

NissanConnect

OWNER'S MANUAL

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1 Introduction

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HOW TO USE THIS MANUAL

This manual uses special words, symbols, icons and illustrations organized by function.

Please refer to the following items and familiarize yourself with them.

FOR SAFE OPERATION

WARNING:

This is used to indicate the presence of a hazard that could cause death or serious personal injury. To avoid or reduce this risk, the procedures must be followed precisely.

CAUTION:

This is used to indicate the presence of a hazard that could cause minor or moderate personal injury or damage to your vehicle. To avoid or reduce this risk, the procedures must be followed carefully.

NOTE:

This indicates items that help you understand and maximize the performance of your vehicle. Ignoring them may lead to a malfunction or poor performance.

REFERENCE SYMBOLS

INFO:

This indicates information that is necessary for efficient use of your vehicle and/or accessories.

☞ Reference page:

This indicates the title and page that you should refer to.

< >:

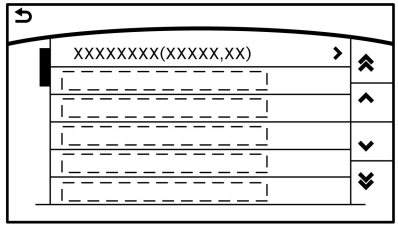
This indicates a control button or a switch.

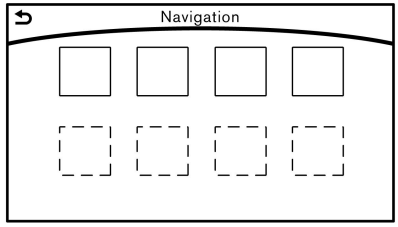
[ ]:

This indicates a key/item displayed on the screen.

SCREEN ILLUSTRATIONS

- The illustrations in this manual are representatives of various models and may not be identical to the design and specifications of your vehicle.
- Icons and menu items displayed on the screen may be abbreviated or omitted from the screen illustrations when appropriate. The omitted icons and menu items are described as dotted lines as illustrated.





TERMS DISPLAYED ON SCREEN

Some menu items may be spelled or termed differently on the screen depending on models/markets. In this manual, menu items with multiple menu terms are described with a slash "/" between the terms. (For example, "[Volume and Beeps]/[Volume & Beeps]".)

SAFETY INFORMATION

This system is primarily designed to help you support pleasant driving as outlined in this manual. However, you, the driver, must use the system safely and properly. Information and the availability of services may not always be up to date. The system is not a substitute for safe, proper and legal driving.

Before using the system, please read the following safety information. Always use the system as specified in this manual.

WARNING:

- **To operate the system, first park the vehicle in a safe location and set the parking brake. Operating the system while driving can distract the driver and may result in a serious accident.**
- **Exercise extreme caution at all times so full attention may be given to vehicle operation. If the system does not respond immediately, please be patient and keep your eyes on the road. Inattentive driving may lead to a crash resulting in serious injuries or death.**
- **Do not disassemble or modify this system. Doing so may result in an accident, fire or electrical shock.**
- **If you notice any foreign objects in the system hardware, spill liquid on the system or notice smoke or a smell coming from it, stop using the system immediately and contact a NISSAN dealer. Ignoring such conditions may lead to an accident, fire or electrical shock.**

CAUTION:

- **Some jurisdictions may have laws limiting the use of video screens while driving. Use this system only where it is legal to do so.**
- **Extreme temperatures [below −20°C (−4°F) and above 70°C (158°F)] could affect the performance of the system.**
- **The touch screen display may break if it is hit with a hard or sharp object. If the glass screen breaks, do not touch it. Doing so could result in an injury.**

NOTE:

Do not keep the system running with the engine or the hybrid system stopped. Doing so may discharge the vehicle battery (12V battery). When using the system, always keep the engine or the hybrid system running.

REGULATORY INFORMATION

LASER PRODUCT

This NissanConnect with Navigation (if equipped) and Apps is certified as a Class 1 laser product.

WARNING:

- **Do not disassemble or modify this system. There are no user serviceable parts in the system.**
- **If maintenance, adjustments and operations other than those specified in this manual are attempted, injury due to laser radiation and exposure could occur.**

BLUETOOTH® DEVICES

FCC ID : HYQDNNS086

NOTE:

This device complies with part 15 of the FCC Rules. Operation is subject to the following two conditions: (1) This device may not cause harmful interference, and (2) this device must accept any interference received, including interference that may cause undesired operation.

FCC WARNING:

Changes or modifications not expressly approved by the party responsible for compliance could void the user's authority to operate the equipment.

CAUTION: Radio Frequency Radiation Exposure

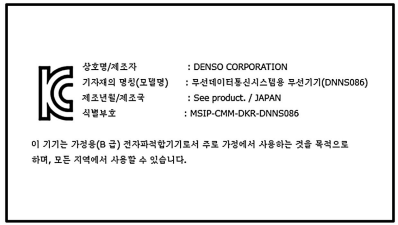
This equipment complies with FCC radiation exposure limits set forth for uncontrolled environment and meets the FCC radio frequency (RF) Exposure Guidelines. This equipment has very low levels of RF energy that it deemed to comply without maximum permissive exposure evaluation (MPE). But it is desirable that it should be installed and operated with at least 20 cm and more between the radiator and person's body.

Co-location: This transmitter must not be co-located or operated in conjunction with any other antenna or transmitter.

For Mexico:

La operación de este equipo está sujeta a las siguientes dos condiciones: (1) es posible que este equipo o dispositivo no cause interferencia perjudicial y (2) este equipo o dispositivo debe aceptar cualquier interferencia, incluyendo la que pueda causar su operación no deseada.

For Korea:



TRADEMARKS

Made for iPod iPhone

"Made for iPod" and "Made for iPhone" mean that an electronic accessory has been designed to connect specifically to iPod or iPhone, respectively, and has been certified by the developer to meet Apple performance standards. Apple is not responsible for the operation of this device or its compliance with safety and regulatory standards. Please note that the use of this accessory with iPod or iPhone may affect wireless performance.

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MEMO

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CONTROL BUTTONS AND TOUCH SCREEN DISPLAY (center display)

Designs and button layout may vary depending on models and specifications.

LIQUID CRYSTAL DISPLAY

The display is a liquid crystal display and should be handled with care.

WARNING:

- **Never disassemble the display. Some parts utilize extremely high voltage. Touching them may result in serious personal injury.**
- **ALWAYS give your full attention to driving.**
- **Avoid using vehicle features that could distract you. If distracted, you could lose control of your vehicle and cause an accident.**

CAUTION:

- **The glass on the touch screen display may break if it is hit with a hard or sharp object. If the glass breaks, do not touch it. Doing so could result in an injury.**

Characteristics of liquid crystal display

- If the temperature inside the vehicle is especially low, the display will stay relatively dim or the movement of the images may be slow. These conditions are normal. The display will function normally when the interior of the vehicle has warmed up.
- Some pixels in the display are darker or brighter than others. This condition is an inherent characteristic of liquid crystal display, and it is not a malfunction.
- A remnant of the previous display image may remain on the screen. This screen burn is inherent in this type of display, and it is not a malfunction.

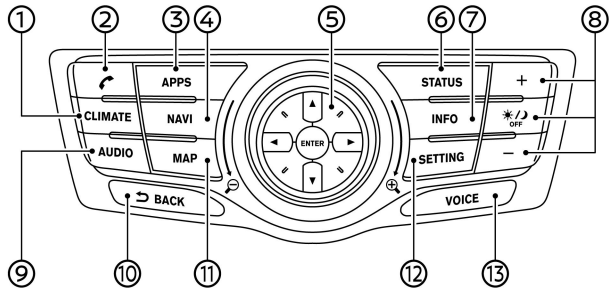
Maintenance of display

To clean the display screen, use a dry, soft cloth. If additional cleaning is necessary, use a small amount of neutral detergent with a soft cloth. Never spray the screen with water or detergent. Dampen the cloth first, then wipe the screen.

CAUTION:

- **To clean the display, stop the vehicle in a safe location.**
- **Clean the display with the ignition switch in the OFF position. If the display is cleaned while the ignition switch is in the ON position, unintentional operation may occur.**
- **When cleaning the display, never use a rough cloth, alcohol, benzine, thinner or any kind of solvent or paper towel with a chemical cleaning agent. Doing so will cause scratches or deterioration of the panel.**
- **Do not splash any liquid such as water or car fragrance on the display. Contact with liquid will cause the system to malfunction.**

CENTER MULTI-FUNCTION CONTROL PANEL (Type A)



① **<CLIMATE>**:

Push to display the screen for air conditioner operations.

For additional information, refer to the vehicle Owner's Manual.

② **< >**:

Push to operate the hands-free phone system.

"4. Bluetooth® Hands-Free Phone"

③ **<APPS>**:

Push to display the available Apps.

"NissanConnect Apps" (page 5-4)

④ **<NAVI>***:

Push to display the destination menu screen.

"Setting destination" (page 6-13)

⑤ Multi-function controller:

Use to select an item on the screen, select the highlighted item, or scroll the map on the screen, etc.

"Multi-function controller" (page 2-8)

⑥ **<STATUS>***:

Push to display the current setting of the vehicle information, air conditioner, audio and navigation route information.

"System status screen" (page 2-14)

⑦ **<INFO>**:

Push to display the information menu.

"Information menu" (page 5-2)

⑧ **< OFF >, <+>/<–>**:

Push **< OFF >** to switch the display brightness to the daytime mode or the nighttime mode, and to adjust the display brightness level using the multi-function controller while the indicator is displayed. Push and hold **< OFF >** to turn the display on/off.

The display brightness can also be adjusted using **<+>** or **<–>**.

⑨ **<AUDIO>**:

Push to operate the audio system.

"Audio main operations" (page 3-21)

⑩ **< BACK>**:

Push to return to the previous screen. In a settings screen, this button is also used to apply the setting.

⑪ **<MAP>***:

Push to display the current location map screen.

"Displaying current vehicle location" (page 6-6)

⑫ **<SETTING>**:

Push to display the setting menu.

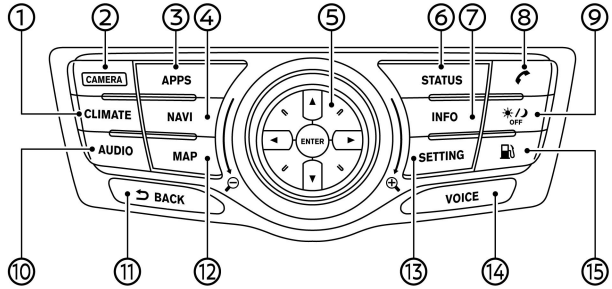
"Settings menu" (page 2-20)

⑬ **<VOICE>***:

Push to repeat the voice guidance for a guide point.

* : For some countries, the navigation system does not include map data of the area and navigation related functions are not available.

CENTER MULTI-FUNCTION CONTROL PANEL (Type B)



① **<CLIMATE>**:

Push to display the screen for air conditioner operations.

For additional information, refer to the vehicle Owner's Manual.

② **<CAMERA>**:

Push to operate the Intelligent Around View Monitor/Around View Monitor.

For additional information, refer to the vehicle Owner's Manual.

③ **<APPS>**:

Push to display the available Apps.
"NissanConnect Apps" (page 5-4)

④ **<NAVI>***:

Push to display the destination menu screen.
"Setting destination" (page 6-13)

⑤ Multi-function controller:

Use to select an item on the screen, select the highlighted item, or scroll the map on the screen, etc.
"Multi-function controller" (page 2-8)

⑥ **<STATUS>***:

Push to display the current setting of the vehicle information, air conditioner, audio and navigation route information.
"System status screen" (page 2-14)

⑦ **<INFO>**:

Push to display the information menu.
"Information menu" (page 5-2)

⑧ **< >**:

Push to operate the hands-free phone system.
"4. Bluetooth® Hands-Free Phone"

⑨ **< OFF >**:

Push **< OFF >** to switch the display brightness to the daytime mode or the nighttime mode, and to adjust the display brightness level using the multi-function controller while the indicator is displayed. Push and hold **< OFF >** to turn the display on/off.

⑩ **<AUDIO>**:

Push to operate the audio system.
"Audio main operations" (page 3-21)

⑪ **< BACK>**:

Push to return to the previous screen. In a settings screen, this button is also used to apply the setting.

⑫ **<MAP>***:

Push to display the current location map screen.
"Displaying current vehicle location" (page 6-6)

⑬ **<SETTING>**:

Push to display the setting menu.
"Settings menu" (page 2-20)

⑭ **<VOICE>***:

Push to repeat the voice guidance for a guide point.

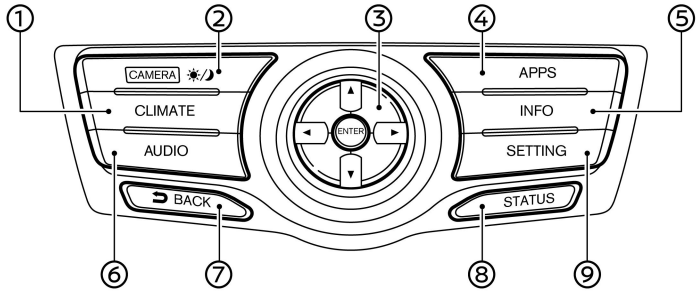
⑮ **< >**:

Push to display the fuel economy

information.

* : For some countries, the navigation system does not include map data of the area and navigation related functions are not available.

CENTER MULTI-FUNCTION CONTROL PANEL (Type C)



① **<CLIMATE>**:

Push to display the screen for air conditioner operations.

For additional information, refer to the vehicle Owner's Manual.

② **<CAMERA☀/)>** (models with Intelligent Around View Monitor/Around View Monitor):

Push to operate the Intelligent Around View Monitor/Around View Monitor.

For additional information, refer to the vehicle Owner's Manual.

Push and hold **<CAMERA☀/)>** to switch the display brightness to the daytime mode or the nighttime mode, and to adjust the display brightness level using the multi-function controller while the indicator is displayed.

<☀/) OFF> (models without Intelligent Around View Monitor/Around View Monitor):

Push **<☀/) OFF>** to switch the display brightness to the daytime mode or the nighttime mode, and to adjust the display brightness level using the multi-function controller while the indicator is displayed. Push and hold **<☀/) OFF>** to turn the display on/off.

③ Multi-function controller:

Use to select an item on the screen, select the highlighted item, etc.

☞ "Multi-function controller" (page 2-8)

④ **<APPS>**:

Push to display the available Apps.

☞ "NissanConnect Apps" (page 5-4)

⑤ **<INFO>**:

Push to display the information

menu.
☞ "Information menu" (page 5-2)

⑥ **<AUDIO>**:

Push to operate the audio system.
☞ "Audio main operations" (page 3-21)

⑦ **< BACK>**:

Push to return to the previous screen. In a settings screen, this button is also used to apply the setting.

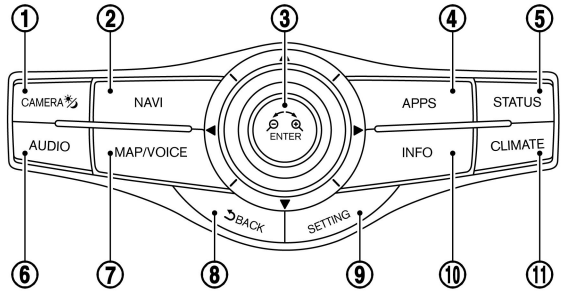
⑧ **<STATUS>**:

Push to display the current setting of the vehicle information, air conditioner and audio system.
☞ "System status screen" (page 2-14)

⑨ **<SETTING>**:

Push to display the setting menu.
☞ "Settings menu" (page 2-20)

CENTER MULTI-FUNCTION CONTROL PANEL (Type D)



① **<CAMERA☀/)>** (models with Intelligent Around View Monitor/Around View Monitor):

Push to operate the Intelligent Around View Monitor/Around View Monitor.

For additional information, refer to the vehicle Owner's Manual.

Push and hold **<CAMERA☀/)>** to switch the display brightness to the daytime mode or the nighttime mode, and to adjust the display brightness level using the multi-function controller while the indicator is displayed.

<☀/) OFF> (models without Intelligent Around View Monitor/Around View Monitor):

Push **<☀/) OFF>** to switch the display brightness to the daytime mode or the nighttime mode, and to adjust the display brightness level using the multi-function controller while the indicator is displayed. Push and hold **<☀/) OFF>** to turn the display on/off.

② **<NAVI>***:

Push to display the destination menu screen.
☞ "Setting destination" (page 6-13)

③ Multi-function controller:

Use to select an item on the screen, select the highlighted item, or scroll the map on the screen, etc.
☞ "Multi-function controller" (page 2-8)

④ **<APPS>**:

Push to display the available Apps.
☞ "NissanConnect Apps" (page 5-4)

⑤ **<STATUS>***:

Push to display the current setting of the vehicle information, air condi-

tioner, audio and navigation route information.
☞ "System status screen" (page 2-14)

⑥ **<AUDIO>**:

Push to operate the audio system.
☞ "Audio main operations" (page 3-21)

⑦ **<MAP/VOICE>***:

Push to display the current location map screen. Push and hold to repeat the voice guidance for a guide point.
☞ "Displaying current vehicle location" (page 6-6)

⑧ **< ⮌ BACK>**:

Push to return to the previous screen. In a settings screen, this button is also used to apply the setting.

⑨ **<SETTING>**:

Push to display the setting menu.
☞ "Settings menu" (page 2-20)

⑩ **<INFO>**:

Push to display the information menu.
☞ "Information menu" (page 5-2)

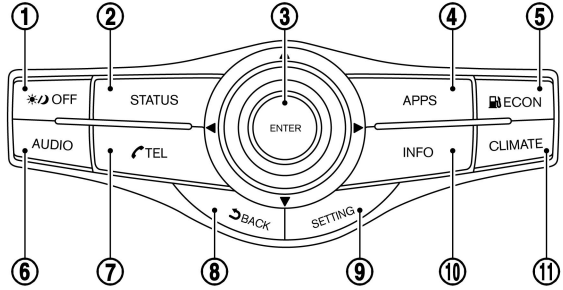
⑪ **<CLIMATE>**:

Push to display the screen for air conditioner operations.

For additional information, refer to the vehicle Owner's Manual.

* : For some countries, the navigation system does not include map data of the area and navigation related functions are not available.

CENTER MULTI-FUNCTION CONTROL PANEL (Type E)



① **<CAMERA☀/)>** (models with Intelligent Around View Monitor/Around View Monitor):

Push to operate the Intelligent Around View Monitor/Around View Monitor.

For additional information, refer to the vehicle Owner's Manual.

Push and hold **<CAMERA☀/)>** to switch the display brightness to the daytime mode or the nighttime mode, and to adjust the display brightness level using the multi-function controller while the indicator is displayed.

<☀/) OFF> (models without Intelligent Around View Monitor/Around View Monitor):

Push **<☀/) OFF>** to switch the display brightness to the daytime mode or the nighttime mode, and to adjust the display brightness level using the multi-function controller while the indicator is displayed. Push and hold **<☀/) OFF>** to turn the display on/off.

② **<STATUS>**:

Push to display the current setting of the vehicle information, air conditioner and audio system.
☞ "System status screen" (page 2-14)

③ Multi-function controller:

Use to select an item on the screen, select the highlighted item, etc.
☞ "Multi-function controller" (page 2-8)

④ **<APPS>**:

Push to display the available Apps.
☞ "NissanConnect Apps" (page 5-4)

⑤ **< ECON>**:

Push to display the fuel economy information.

⑥ **<AUDIO>**:

Push to operate the audio system.
☞ "Audio main operations" (page 3-21)

⑦ **< TEL>**:

Push to operate the hands-free phone system.
☞ "4. Bluetooth® Hands-Free Phone"

⑧ **< BACK>**:

Push to return to the previous screen. In a settings screen, this button is also used to apply the setting.

⑨ **<SETTING>**:

Push to display the setting menu.
☞ "Settings menu" (page 2-20)

⑩ **<INFO>**:

Push to display the information menu.
☞ "Information menu" (page 5-2)

⑪ **<CLIMATE>**:

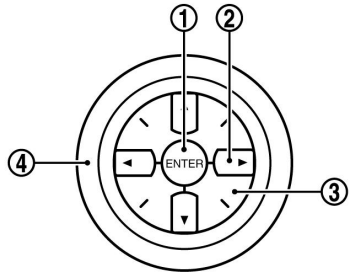
Push to display the screen for air conditioner operations.

For additional information, refer to the vehicle Owner's Manual.

MULTI-FUNCTION CONTROLLER

With directional buttons

Models with navigation system:



① **<ENTER>**:

Push to select the highlighted item on the screen.

If this button is pushed while a map is displayed, the shortcut menu or the map menu screen is displayed.
☞ "Shortcut menu" (page 2-14)
☞ "Map menu (models with navigation system)" (page 2-15)

② Main directional buttons:

Use to move across the map, highlight an item on the screen or adjust a setting (volume, brightness, etc.).

③ Additional directional buttons:

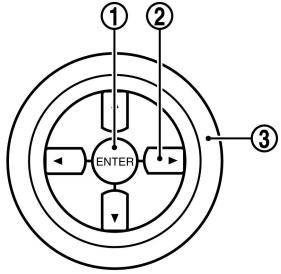
Use to move across the map or highlight an item on the character input screen.

④ Center dial:

Turn to highlight an item on the screen or adjust a setting.

The center dial can also be used to adjust the map scale.

Models without navigation system:



① **<ENTER>**:

Push to select the highlighted item on the screen.

If this button is pushed while the climate screen or status screen is displayed, the shortcut menu screen is displayed.
☞ "Shortcut menu" (page 2-14)

② Main directional buttons:

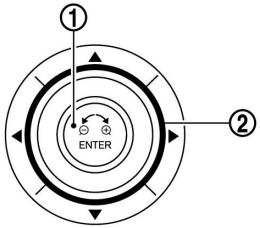
Use to highlight an item on the screen or adjust a setting (volume, brightness, etc.).

③ Center dial:

Turn to highlight an item on the screen or adjust a setting.

Without directional buttons

Models with navigation system:



① **<ENTER>**:

Push to select the highlighted item on the screen.

If this button is pushed while a map is displayed, the shortcut menu or the map menu screen is displayed.

☞ "Shortcut menu" (page 2-14)
☞ "Map menu (models with navigation system)" (page 2-15)

② Center dial/slide switch:

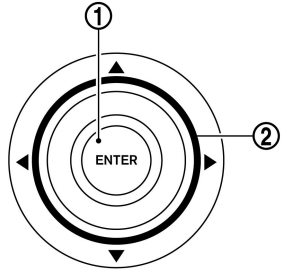
Turn to highlight an item on the screen, to adjust a setting, or to adjust the map scale.

Slide (push upward/downward/leftward/rightward) to highlight an item on the screen or to adjust a setting (volume, brightness, etc.). The map can be scrolled in 8 directions by sliding this switch.

INFO:

For some countries, the navigation system does not include map data of the area and navigation related functions are not available.

Models without navigation system:



① **<ENTER>**:

Push to select the highlighted item on the screen.

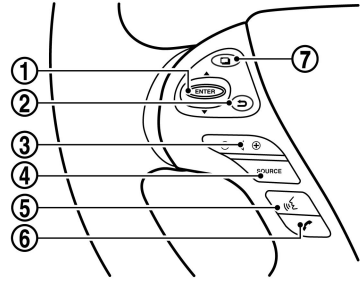
If this button is pushed while the climate screen or status screen is displayed, the shortcut menu screen is displayed.

☞ "Shortcut menu" (page 2-14)

② Center dial/slide switch:

Turn or slide (push upward/downward/leftward/rightward) to highlight an item on the screen or to adjust a setting (volume, brightness, etc.).

STEERING WHEEL SWITCHES (Type A)



① **<ENTER>**:

Tilt to highlight an item on the screen or adjust a setting. Push to select the highlighted item.

Audio operations are possible by tilting the switch.

☞ "Steering wheel mounted audio control buttons (Type A)" (page

3-20)

Models with navigation system:

If this button is pushed while a map is displayed, the shortcut menu or the map menu screen is displayed.
☞ "Shortcut menu" (page 2-14)
☞ "Map menu (models with navigation system)" (page 2-15)

Models without navigation system:

If this button is pushed while the climate screen or status screen is displayed, the shortcut menu screen is displayed.
☞ "Shortcut menu" (page 2-14)

② **< ⮌ >**:

Push this switch to go back to the previous screen.

③ **<– 🔊 +>**:

Push to adjust the volume.

④ **<SOURCE>**:

Push to switch the audio mode (source).
☞ "Steering wheel mounted audio control buttons (Type A)" (page 3-20)

⑤ **< 🎤 >**:

Push to start a voice recognition session. During a voice recognition session, pushing this button cancels the voice guidance and you can speak a voice command immediately. Push and hold this button to end a voice recognition session.
☞ "7. Voice recognition"

⑥ **< 📞 >**:

Push to operate the hands-free phone system.
☞ "4. Bluetooth® Hands-Free Phone"

⑦ **< 🖵 >**:

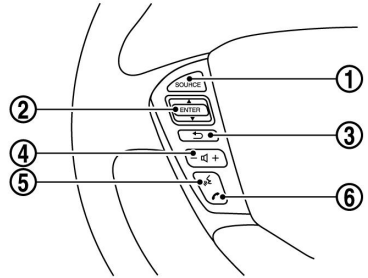
This button is used for the vehicle information display operation.

For additional information, refer to the vehicle Owner's Manual.

INFO:

You are unable to operate the touch screen display using the switches on the steering wheel whenever the vehicle information display shows the setting display.

STEERING WHEEL SWITCHES (Type B)



① **<SOURCE>**:

Push to switch the audio mode (source).
☞ "Steering wheel mounted audio control buttons (Type B)" (page 3-20)

② **<ENTER>**:

Tilt to highlight an item on the screen or adjust a setting. Push to select the highlighted item.

Audio operations are possible by tilting the switch.
☞ "Steering wheel mounted audio control buttons (Type B)" (page 3-20)

Models with navigation system:

If this button is pushed while a map is displayed, the shortcut menu or the map menu screen is displayed.

☞ "Shortcut menu" (page 2-14)
☞ "Map menu (models with navigation system)" (page 2-15)

For some countries, the navigation system does not include map data of the area and navigation related functions are not available.

Models without navigation system:

If this button is pushed while the climate screen or status screen is displayed, the shortcut menu screen is displayed.
☞ "Shortcut menu" (page 2-14)

③ **< ⮌ >**:

Push this switch to go back to the previous screen.

④ **<– +>**:

Push to adjust the volume.

⑤ **<** **>**:

Push to start a voice recognition session. During a voice recognition session, pushing this button cancels the voice guidance and you can speak a voice command immediately. Push and hold this button to end a voice recognition session.
☞ "7. Voice recognition"

⑥ **<** **>**:

Push to operate the hands-free phone system.
☞ "4. Bluetooth® Hands-Free Phone"

AUDIO ACCESSORIES

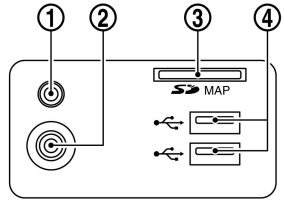
The vehicle is equipped with the USB connection ports and the auxiliary input jacks (if equipped). When connected, the in-vehicle audio system can play audio contents from compatible devices.

INFO:

- Even when iPod and/or iPhone are connected to both of the two USB connection ports, the system recognizes only one of the connected iPod and/or iPhone at a time.
- Only one of the two connected USB devices can be operated by the Voice Recognition System.
  ☞ "Voice recognition settings" (page 7-13)
- The rear media interface for the Mobile Entertainment System (if equipped) which includes the ports for USB and HDMI is located at the rear of the center console box.
  ☞ "Rear media interface" (page 3-56)

Type A:

The USB connection ports and the auxiliary input jacks are located in the center console box.



① Auxiliary audio input jack:

Connect an audio player that accepts a 3.5 mm (1/8 inch) TRS connector (such as an MP3 player etc.) to play music.

② Auxiliary video input jack:

Connect a video player to play a video.

③ SD card slot (if equipped):

The card slot is for the map SD card for the navigation system.
☞ "SD card slot" (page 6-58)

④ USB connection ports:

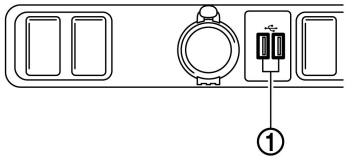
Connect to play media from an iPod, iPhone or a USB memory device. Refer to the device manufacturer's owner information regarding the proper use and care of the device.

NOTE:

Depending on the size and shape of the USB device, the console lid may not fully close. Do not force the console lid closed as this may damage the USB device.

Type B:

The USB connection ports are located on the lower instrument panel.



① USB connection ports:

Connect to play media from an iPod, iPhone or a USB memory device. Refer to the device manufacturer's owner information regarding the proper use and care of the device.

STARTING SYSTEM

The system starts when the ignition switch is placed in the ACC or ON position.

START-UP WARNING (if equipped)

When the ignition switch is placed in the ACC or ON position, the start-up screen is displayed.

Touch [OK] after reading and agreeing with the message. If you do not agree to the message, some of the functions will be disabled.

NOTE:

Do not keep the system turned on with the engine or the hybrid system stopped. Doing so may discharge the vehicle battery (12V battery). When you use the system, always keep the engine or the hybrid system running.

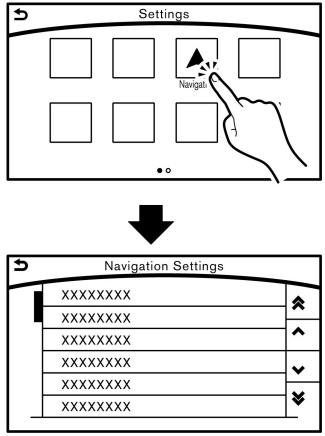
TOUCH PANEL OPERATION

This system is mainly operated with the touch screen display.

HOW TO USE TOUCH SCREEN DISPLAY

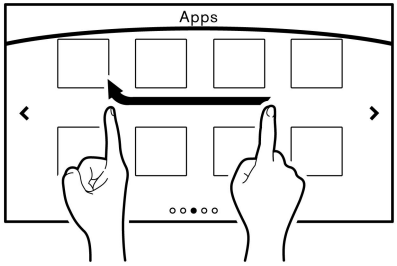
Basic operations can be done by touching, swiping and dragging on the screen.

- **Touch**



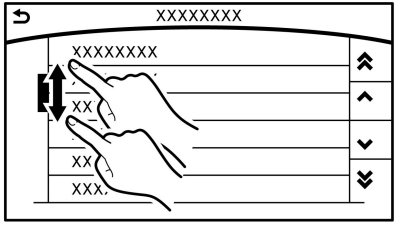
Select and execute the selected key on the screen.

- **Swipe**



Menu screen pages will skip to the next page.

- **Drag**

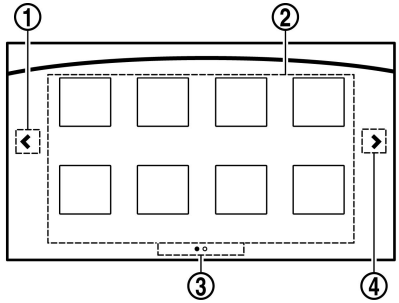


Drag the scroll bar up or down to scroll the menu screen.

Models with navigation system:

Various further operations are possible for a map screen.
☞ "Map operation" (page 6-3)

OPERATING MENU SCREENS



① Touch [<] to scroll to the previous page.

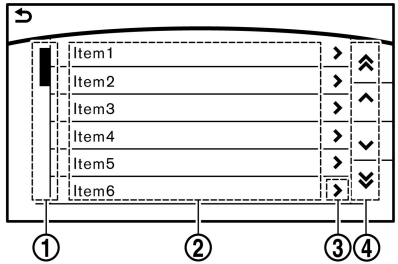
② Touch the preferred icon to execute a function and display the next screen.

③ Indicates the position of the currently displayed page out of the total number of available pages.

④ Touch [>] to scroll to the next page.

A swipe gesture can also be used to move quickly between pages.

SCROLLING LIST OR MESSAGE



① Drag the scroll bar up or down to scroll the message or list up or down.

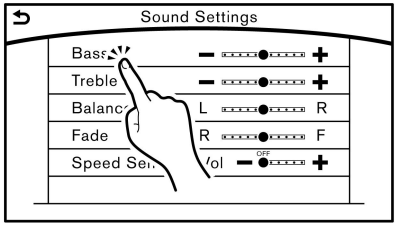
② Touch the preferred item.

③ If a listed item name is not completely displayed (due to length), touch [>] to display the hidden part of the name.

④ Touch [∧] or [∨] to scroll the message or list one item at a time.

Touch [⩓] or [⩔] to skip to the next page.

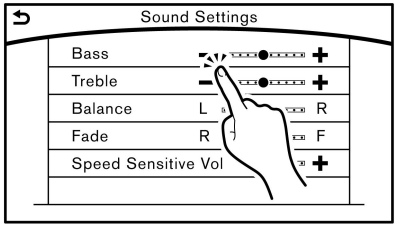
SELECTING ITEM



When an item is touched, it is executed and the next screen is displayed.

Touch [⮌] to return to the previous screen.

ADJUSTING SETTINGS



The level of volume, brightness, etc. can be adjusted.

Touch the adjustment keys, such as [+]/[-], [L]/[R], etc., to adjust each item. Each time a key is touched, the indicator moves along the bar.

SYSTEM STATUS SCREEN

By pushing **<STATUS>**, the current status of the system can be displayed.



INFO:

There are different status screens displayed depending on various factors, such as the currently active mode or whether a destination has been set (models with navigation system) or not, etc.

Touching [**<**]/[**>**] can switch the display among vehicle information, navigation route information (models with navigation system) and air conditioner status.

Models with navigation system:

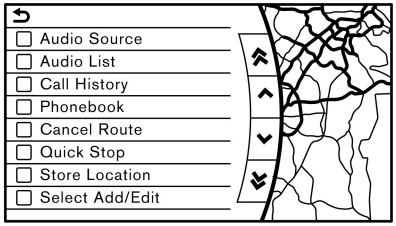
When no route is set, a compass and the current location is displayed instead of the route information.

SHORTCUT MENU

Models with navigation system:

Push **<ENTER>** or touch [☰] while the current location map screen is displayed to display the shortcut menu screen.

The items on the shortcut menu can be customized to your preference.

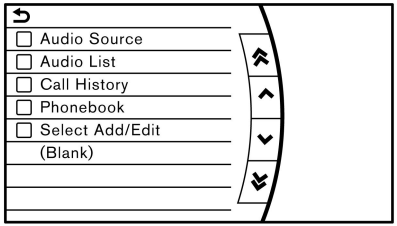


Available items:

- [Audio Source]
- [Audio List]
- [Call History]
- [Phonebook]
- [Cancel Route]
- [Nearby Places]/[Quick Stop]
- [Store Location]
- [Select Add/Edit]

Models without navigation system:

Push **<ENTER>** or touch [☰] while the audio screen, climate screen or status screen is displayed to display the shortcut menu.



Available items:

- [Audio Source]
- [Audio List]
- [Call History]
- [Phonebook]
- [Select Add/Edit]

EDIT SHORTCUT MENU

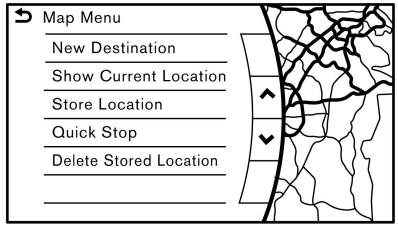
The following procedure can be used to edit or sort the shortcut menu.

1. Select [Select Add/Edit] to register a new item to the menu, or to change an existing menu item.
2. Select the preferred setting.
   - [Change Order]

     Change the order in which shortcut menu items are shown. Touch and hold [≡] displayed next to the item you wish to relocate. Drag the icon to the position in the list where you wish to insert it.
   - [Edit Shortcut Items]

     Select items to be displayed in the shortcut menu.

MAP MENU (models with navigation system)



While scrolling the map screen, push **<ENTER>** or touch [≡] to display the Map Menu.

- [New Destination]
- [Show Current Location]
- [Store Location]
- [Nearby Places]/[Quick Stop]
- [Delete Stored Locations]/[Delete Stored Location]

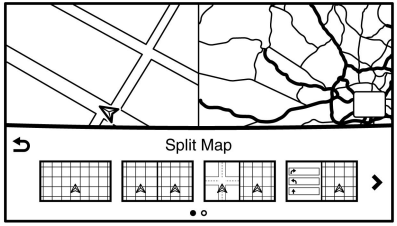
INFO:

[Delete Stored Locations]/[Delete Stored Location] is available only when the cross pointer is aligned over the stored location.

DISPLAY VIEW BAR (models with navigation system)

Various map information screens can be shown by selecting from the Display View Bar.

Available views may vary depending on models and specifications.

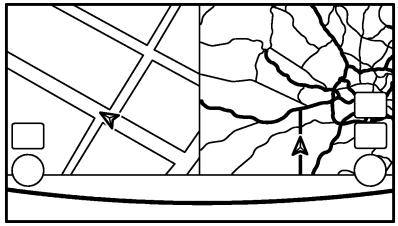


When the screen displays the map, push **<MAP>** or **<MAP/VOICE>** to show the Display View Bar.

Select an icon in the Display View Bar. The current view will change and the Display View Bar will be closed.

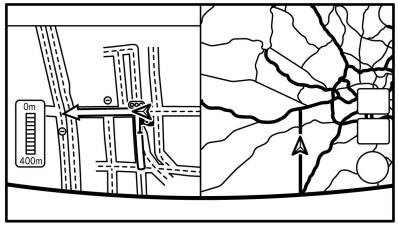
The following display views are available.

Viewing Split Map:



The map can be displayed on the split screen. Map settings can be adjusted independently.

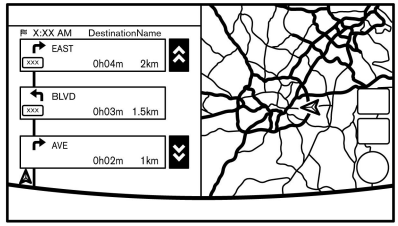
Viewing Junction/Intersection:



The next junction/intersection is always displayed.

When no route is set, the junction/intersection screen is not displayed and the map is displayed in full screen.

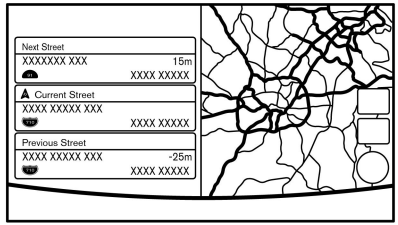
Viewing Turn List:



This displays the turn list on the left screen. When approaching a guide point, the left screen automatically switches to an enlarged view of the intersection.

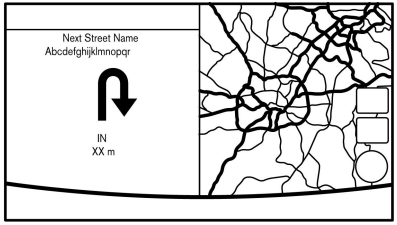
When no route is set, the turn list screen is not displayed and the map is displayed in full screen.

Viewing Where am I?:



This displays the information about the vehicle location.

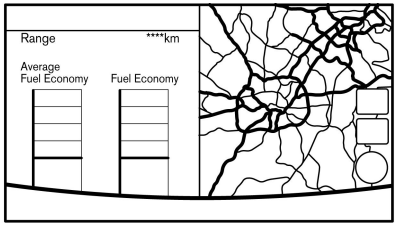
Viewing Turn by Turn:



This displays a turn point when driving according to route guidance.

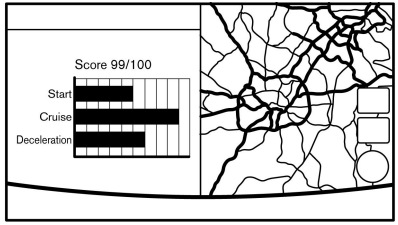
When no route is set, the turn by turn screen is not displayed and the map is displayed in full screen.

Viewing Fuel Economy:



This displays the fuel economy information.

Viewing Eco Drive Report:

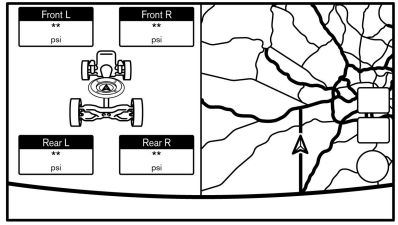


Your driving score will be displayed in real time, with 100 points designated as the score for ideal eco-driving.

To improve your score:

- When starting off, depress the accelerator gently.
- When cruising, accelerate and decelerate as little as possible.
- When decelerating, release the accelerator early.

Viewing Off-Road:



This displays the current vehicle direction and tire pressure.

CUSTOMIZING THE DISPLAY VIEW BAR

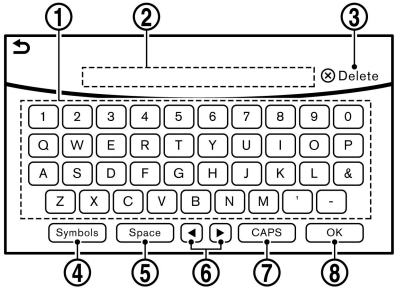
The menu icons on the Display View Bar can be set to your preference.

1. Push **<SETTING>** and touch [Navigation] to display the navigation setting screen.
2. Touch [Map & Display View] and touch [Change Order].
3. Change the order of the icons to be displayed on the Display View Bar. Touch and hold [≡] displayed next to the item you wish to relocate. Drag the icon to the position in the list where you wish to insert the item.

The keyboard screen differs depending on the model and specification.

ENGLISH CHARACTER (letters and numbers) INPUT SCREEN

Alphanumeric characters can be entered using the keyboard. The designs and the displayed items may vary depending on types of screen.



① Touch a character on the displayed keyboard. The selected character is entered.

② Entered characters are displayed.

③ Touch [Delete] to delete the last character entered.

Touch and hold [Delete] to delete all the characters entered.

④ The symbol keys are displayed by touching [Symbols]/[Change]. The alphabet keys are displayed by touching [A-Z].

⑤ Touch [Space] to enter a space.

⑥ Touch [◀] or [▶] to move the cursor.

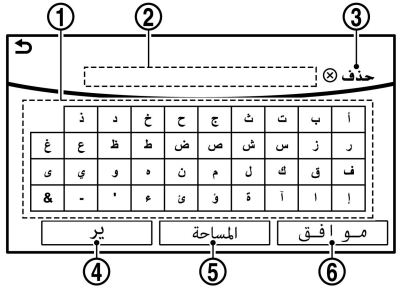
⑦ Touch [CAPS] to toggle between upper and lower case letters.

⑧ Touch [OK] or [List] to confirm the entry.

ARABIC CHARACTER (letters and numbers) INPUT SCREEN (if equipped)

Arabic characters can be entered using the keyboard.

The designs and the displayed items may vary depending on types of screen.



① Touch a character on the displayed keyboard. The selected character is entered.

② Entered characters are displayed.

③ Touch [Delete] to delete the last character entered.

Touch and hold [Delete] to delete all the characters entered.

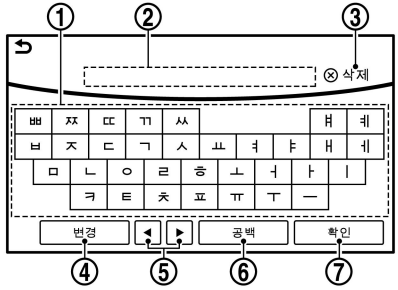
④ Touch [Change] to select the type of the keyboard.

⑤ Touch [Space] to enter a space.

⑥ Touch [OK] or [List] to confirm the entry.

KOREAN CHARACTER (letters and numbers) INPUT SCREEN (if equipped)

Characters can be entered using the keyboard. The designs and the displayed items may vary depending on the types of screen.



① Touch a character on the displayed keyboard. The selected character is entered.

② Entered characters are displayed.

③ Touch [Delete] to delete the last character entered.

Touch and hold [Delete] to delete all the characters entered.

④ Touch [Change] to select the keyboard type from hangul character, alphabet, or symbol.

⑤ Touch [◀] or [▶] to move the cursor.

⑥ Touch [Space] to enter a space.

⑦ Touch [OK] to confirm the entry.

SYSTEM SETTINGS

SETTINGS MENU

The system settings can be changed to your preference.

Available setting items may vary depending on models and specifications.

Push **<SETTING>** to display the setting menu and touch a setting item you wish to adjust.

Menu item	**Result**
[Bluetooth]	Sets the Bluetooth® streaming audio and phone. ☞ "Bluetooth® settings" (page 2-29)
[Phone/Mail]	Displays the phone/mail setting screen. ☞ "Phone and text message settings" (page 4-7)
[Vehicle]/[Vehicle Settings]	Displays the vehicle setting screen. ☞ "Vehicle Settings" (page 2-22)
[Navigation]	Displays the navigation setting screen. ☞ "Navigation settings" (page 6-49)
[Audio]	Displays the audio setting screen. ☞ "Audio settings" (page 3-38)
[Screen]/[Screen Settings]	Displays the touch screen display setting screen. ☞ "Screen settings" (page 2-23)
[Volume Adjustment]	Displays the volume adjustment setting screen. ☞ "Volume settings" (page 2-24)
[Clock]	Displays the clock setting screen. ☞ "Clock settings" (page 2-28)
[Voice Recognition]	Displays the voice recognition function setting screen. ☞ "Voice recognition settings" (page 7-13)
[Camera/Sonar]	Displays the camera/parking sensor (sonar) system setting screen. For additional information, refer to the vehicle Owner's Manual.
[Driver Assistance]	Displays the Driver Assistance setting screen. For additional information, refer to the vehicle Owner's Manual.

Menu item		Result
[Other]	[Language]	Displays the language setting screen. ☞ "Language settings" (page 2-25)
	[Language & Units]	Displays the language and units setting screen. ☞ "Language & Units settings" (page 2-26)
	[Units]	Displays the units setting screen. ☞ "Units settings" (page 2-27)
	[Keyboard Type]	Sets the keyboard type to [ABC] or [QWERTY] .
	[Low on Fuel Alert]	Sets the fuel low notification to on/off.
	[Software Information]	Displays the Software Information.

Vehicle Settings (if equipped)

This menu turns the vehicle setting on/off.

Available setting items may vary depending on models and specifications.

1. Push **<SETTING>**.
2. Touch [Vehicle]/[Vehicle Settings].

Setting item	**Result**
[Lamp ON When Door Unlocks]/[Light ON when Door Unlocks]	When this item is turned on, the interior lights illuminate when any door is unlocked.
[Light Sensitivity]	Set to change when the lights illuminate based on the brightness outside the vehicle.
[Light Off Delay]	Set the duration of the Intelligent Auto Headlights off timer.
[Speed Sensing Wiper Interval]	Set the wiper interval to be adjusted automatically according to the vehicle speed.
[Selective Door Unlock]	Set the selective door unlock.
[Intelligent Key Lock/Unlock]	When this item is turned on, door lock/unlock function by pushing the door handle request switch will be activated.
[Lift Steering Wheel on Exit]	Set the steering wheel to lift on exit.
[Slide Driver's Seat Back on Exit]/[Slide Driver Seat Back on Exit]	Set the driver's seat to slide back on exit.
[Reset Settings]	All vehicle setting values are returned to the default settings.

Screen settings

This menu turns the display on/off and adjusts the image quality of the display.

Available setting items may vary depending on models and specifications.

1. Push **<SETTING>**.
2. Touch [Screen]/[Screen Settings].

Setting item		**Action**
[Display Settings]	[Brightness]	Adjust the brightness.
	[Contrast]	Adjust the contrast.
	[Black Level]	Adjust the black level.
[Display OFF]		Turns the screen on/off. Push and hold **<CAMERA☀/)>**, **<☀/) OFF>**, **<CAMERA>** or **<** ☀/) OFF **>** for more than 2 seconds to turn the screen on.
[Day/Night]		Adjust the screen brightness. Toggle the screen color between the day screen and the night screen.
[Change Map Color]/[Change Map Colour]		Toggles the screen color between the daytime mode and the night time mode.
[Reset Settings]		This restores the screen settings to the default settings.

Volume settings

This turns on/off, as well as adjusts, the volume for various functions and system beeps.

Available setting items may vary depending on models and specifications.

1. Push **<SETTING>**.
2. Touch [Volume Adjustment].

Setting item	**Action**
[Audio Volume]	Adjusts the volume of the audio system.
[Voice Guidance]/[Guidance Voice]	Toggles the voice guidance on/off.
[Guidance Volume]	Adjusts the volume level of the guidance volume.
[Ringtone Volume]/[Incoming Tone Vol]	Adjusts the volume level of the ringtone.
[Incoming Call Vol.]/[Phone Incoming Vol.]/[Incoming Call Vol]	Adjusts the incoming call volume.
[Outgoing Call Vol.]/[Phone Outgoing Vol.]/[Outgoing Call Vol]	Adjusts the outgoing call volume.
[RDS Volume]	Adjusts the volume level of the RDS announcement.
[Sonar Volume]	Adjusts the volume level of the sonar warning volume.
[Button Beep sound]	Toggles the button beep sound and alarm for a prohibited operation to on/off.
[Use Voice with Parking Guide]	Turns the parking guidance announcements on/off.

Language settings (if equipped)

This changes the display language used in the system.

Available setting items may vary depending on models and specifications.

1. Push **<SETTING>**.
2. Touch [Other].
3. Touch [Language].

Setting item	Action
[System Language]/[Language Settings]	Selects the language of the display, voice announcements, and voice recognition functions.

INFO:

- Do not change the ignition switch position while changing the language.
- The Voice Recognition System can be used only if the language selected in this setting is supported by the system.
- Depending on the language selected, available voice commands for the Voice Recognition System may differ.

Language & Units settings (if equipped)

This changes the display language and measurement unit used in the system.

Available setting items may vary depending on models and specifications.

1. Push **<SETTING>**.
2. Touch [Other].
3. Touch [Language & Units].

Setting item	**Action**
[System Language]/[Language Settings]	Select the language of the display, voice announcements, and voice recognition functions.
[Fuel Economy Unit Settings]	Select the preferred fuel economy unit.
[Tyre Pressure Units]/[Tire Pressure Units]	Select the preferred tire pressure unit.
[Temperature Units]	Select the preferred temperature unit.

INFO:

- Do not change the ignition switch position while changing the language.
- The Voice Recognition System can be used only if the language selected in this setting is supported by the system.
- Depending on the language selected, available voice commands for the Voice Recognition System may differ.

Units settings (if equipped)

This changes the display measurement unit used in the system.

1. Push **<SETTING>**.
2. Touch [Other].

Available setting items may vary depending on models and specifications.

Setting item		**Action**
[Units]	[Fuel Economy Unit Settings]	Select the preferred unit.
	[Tyre Pressure Units]	Select the preferred tire pressure unit.
	[Temperature Units]	Select the preferred temperature unit.

Clock settings

Clock settings of the system can be changed.

Available setting items may vary depending on models and specifications.

1. Push **<SETTING>**.
2. Touch [Clock].

Setting item		**Action**
[On-Screen Clock]		Sets the clock display on/off. When this item is on, the clock display appears.
[Daylight Saving Time]/[Daylight Savings Time]		Select the setting for the daylight saving time from [ON], [OFF] or [Auto]. Each time this item is touched the setting is changed.
[Clock Format (24h)]		Select the clock format between 12–hour and 24–hour times. When the indicator light illuminates, the clock is set to the 24–hour format.
[Offset Adjustment]		Adjusts the offset value (hour and minutes).
[Time Zone]		Select an appropriate time zone from the destination list. If [Auto] is selected, the system selects the time zone automatically.
[>]	[Time Adjustment]	Adjusts the time by increasing or decreasing the value.
	[Calendar Adjustment]	Adjusts the year, month and day.

PAIRING BLUETOOTH® DEVICE

Your vehicle is equipped with a Bluetooth® Hands-Free Phone System and Bluetooth® streaming audio. If you are an owner of a compatible Bluetooth® enabled cellular phone or Bluetooth® streaming audio module, you can set up the wireless connection between your cellular phone and the in-vehicle phone module, or Bluetooth® streaming audio device and the in-vehicle audio module. With Bluetooth® wireless technology, you can make or receive a telephone call with your cellular phone in your pocket and listen to music on your Bluetooth® streaming audio device via the in-vehicle system.

Pairing cellular phone/audio device

1. Push **<SETTING>**.
2. Touch [Bluetooth] and touch [Pair Device]/[Connect Device].
3. Touch [Add New (X/5 Free)] to register a device.
4. When a PIN code appears on the screen, operate the compatible Bluetooth® cellular phone to enter the PIN code.

   The pairing procedure for cellular phones varies depending on the model of cellular phone. Refer to the owner's manual for the cellular phone for details.

   If the registered device has both audio and phone functions, the system displays a message asking if you would like to register the device for another function.

   The procedure for connecting a cellular phone/audio device varies depending on the Bluetooth® device. Refer to the owner's manual for the Bluetooth® device for details.

NOTE:

Some cellular phones or other devices may cause interference or a buzzing noise to be emitted from the audio system speakers. Storing the device in a different location may reduce or eliminate the noise.

INFO:

It is recommended that you visit a NISSAN dealer for compatibility information and for instructions on pairing NISSAN recommended Bluetooth® devices.

Bluetooth® settings

The Bluetooth® settings can be set in detail according to the user's preference.

1. Push **<SETTING>**.
2. Touch [Bluetooth].
3. Touch the preferred item.
   - [Bluetooth]

     Turn the Bluetooth® connection to the vehicle on/off.
   - [Pair Device]/[Connect Device]

     Touch this item to connect to the Bluetooth® device. You can also delete a registered device and display information for the registered device.
   - [Select Phone]

     Registered Bluetooth® Hands-Free Phones are shown on the list. Select a device from the list to disconnect or connect a Bluetooth® device.
   - [Select Audio Device]

     Registered Bluetooth® streaming audio players are shown on the list. Select a device from the list to disconnect or connect a Bluetooth® device.
   - [Vehicle Bluetooth Device Info]

     The registered device name and the PIN code can be changed.

FUNCTIONS DISABLED WHILE DRIVING

To ensure safe driving, some functions cannot be operated while driving.

The on-screen functions that are not available while driving will be "grayed-out" or muted. In some cases, certain text will not be displayed on the screen.

To use these functions, first park the vehicle in a safe location and then operate the system.

In regions where image viewing in the vehicle is restricted, still pictures and movies may not be displayed on the display while the vehicle is in motion.

ADDITIONAL SYSTEM INFORMATION

NissanConnect with Navigation (if equipped) and Apps uses an operating system like those found on many computers, tablets and cell phones. Like these devices, processing speed may vary, and system response delays or resets may occur intermittently. This does not indicate a malfunction, and further information on system operation can be found below.

System Start-Up

Due to the large number of features and capabilities that the system needs to load on start-up, it may take up to a minute for all functions (such as Apps) to be available.

System Response Delay

The system uses an operating system like those found on many computers, tablets and cell phones. Like these devices, sometimes programs do not respond immediately and this may temporarily delay system use.

In most situations, simply waiting a few moments longer should be sufficient for the pending operations to complete.

If the system temporarily does not respond to commands, the system can be easily reset. Simply push and hold **<VOL/ ON·OFF>/<VOL/ ⏻ >** for at least 5 seconds. The system will turn off and restart.

After restarting, all functions should be available.

System Reset

As noted above, intermittent system resets may occur during normal operation. You may also wish to reset the system if you find that a particular feature is not loading or responding. Often, a quick system reset will resolve any issue you may be experiencing. After restarting, all functions will be available as described above.

System Updates

Like many digital devices, the system is designed to allow for software updates as enhancements are developed and additional features added. If you have questions about system performance, it is recommended that you contact a NISSAN dealer to ensure that your vehicle has had the latest available software installed.

Operating Tips

The system provides several methods of operation to suit your preferences. The following are suggested operating tips.

- Operating the multi-function controller, steering wheel controls, or other controls too quickly can cause a lag between the control and the display. Operate the controls carefully and allow the system to respond to your request.
- NISSAN recommends using Voice Recognition whenever possible to select options while driving. Some touch screen functionality will become in-

tentionally unavailable during driving. Please view the available voice commands by pushing **<** **>** and then selecting a category on the display.

- The Voice Recognition System recognizes a defined set of commands. These commands can be viewed in the display by pushing **<** **>** and then selecting a category from the displayed list. The commands can also be found in the Voice Recognition section under command list.
  "Command list" (page 7-6)
- In some situations, the system may not be able to recognize your command even if you say the exact command. This can be due to noise conditions or an accent.
- In some unique cases, the system may expect a word to be spoken as it is spelled as opposed to the way it is normally pronounced.

ADDITIONAL HELP

For additional technical information, it is recommended that you contact a NISSAN dealer for troubleshooting help.

MEMO

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AUDIO OPERATION PRECAUTIONS

WARNING:

- **The driver must not attempt to operate the audio system while the vehicle is in motion, so that full attention may be given to the vehicle operation.**
- **Park the vehicle in a safe location and apply the parking brake before operating the audio system and playing movies (if equipped).**

CAUTION:

- **Operate the audio system only when the vehicle engine or the hybrid system is running. Operating the audio system for extended periods of time with the engine or the hybrid system turned off can discharge the vehicle battery (12V battery).**
- **Do not allow these systems to get wet. Excessive moisture, such as spilled liquids, may cause the system to malfunction.**

RADIO

Place the ignition switch in the ACC or ON position before turning on the radio. If you listen to the radio when the engine or the hybrid system is not running, the ignition switch should be placed in the ACC position.

Radio reception is affected by station signal strength, distance from the radio transmitter, buildings, bridges, mountains, and other external influences. Intermittent changes in reception quality are normally caused by these external influences.

Using a cellular phone in or near the vehicle may influence radio reception quality.

Radio reception

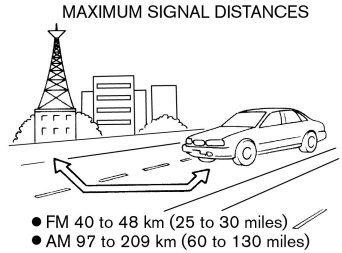
Your radio system is equipped with state-of-the-art electronic circuits to enhance radio reception. These circuits are designed to extend reception range, and to enhance the quality of that reception.

However there are some general characteristics of both FM and AM radio signals that can effect radio reception quality in a moving vehicle, even when the best quality equipment is used. These characteristics are completely normal in a given reception area, and do not indicate any malfunction in your radio system.

Reception conditions will constantly change because of vehicle movement. Buildings, terrain, signal distance and interference from other vehicles can adversely affect ideal reception. Described below are some of the factors that can affect radio reception.

Some cellular phones or other devices may cause interference or a buzzing noise to come from the audio system speakers. Storing the device in a different location may reduce or eliminate the noise.

FM radio reception



Range: FM range is normally limited to 40 to 48 km (25 to 30 miles) with monaural (single station) FM having slightly more range than stereo FM. External influences may sometimes interfere with FM station reception even if the FM station is within the 40 km (25 miles). The strength of the FM signal is directly related to the distance between the transmitter and receiver. FM signals follow a line-of-sight path, exhibiting many of the same characteristics as light. For example they will reflect

off objects.

Fade and drift: As your vehicle moves away from a station transmitter, the signal will tend to fade and/or drift.

Static and flutter: During signal interference from buildings, large hills or due to antenna position, usually in conjunction with an increased distance from the station transmitter, static or flutter can be heard. This can be reduced by lowering the treble setting to reduce the treble response.

Multipath reception: Because of the reflective characteristics of FM signals, direct and reflected signals reach the receiver at the same time. The signals may cancel each other out, resulting in momentary flutter or loss of sound.

AM radio reception

AM signals, because of their low frequency, can bend around objects and skip along the ground. In addition, the signals can bounce off the ionosphere and be bent back to earth. Because of these characteristics, AM signals are also subject to interference as they travel from transmitter to receiver.

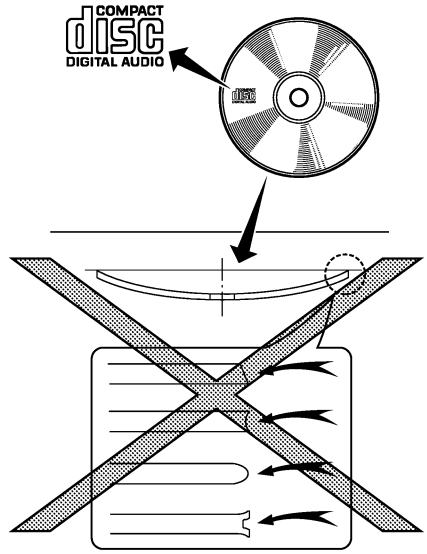
Fading: This occurs while the vehicle is passing through freeway underpasses or in areas with many tall buildings. It can also occur for several seconds during ionospheric turbulence even in areas where no obstacles exist.

Static: Caused by thunderstorms, electrical power lines, electric signs and even traffic lights.

Digital Audio Broadcast (DAB) (if equipped)

The supported standards for this system are DAB and DAB+. Some of the stations do not support EPG (Electric Program Guide). Depending on the reception condition, acquiring or updating EPG data may take some time.

COMPACT DISC (CD) PLAYER



- Do not force a compact disc into the CD insert slot. This could damage the CD and/or CD player.
- Trying to load a CD with the CD door closed could damage the CD and/or CD player.
- During cold or rainy weather, the player may malfunction due to the humidity. If this occurs, remove the CD

and dehumidify or ventilate the player completely.

- The player may skip while driving on rough roads.
- The CD player sometimes cannot function when the passenger compartment temperature is extremely high. Decrease the temperature before use.
- Only use high quality 12 cm (4.7 in.) round discs that have the "COMPACT disc DIGITAL AUDIO" logo on the disc or packaging.
- Do not expose the CD to direct sunlight.
- CDs that are of poor quality, are dirty, scratched, or covered with fingerprints, or that have pin holes may not work properly.
- The following CDs may not work properly:
  - Copy control compact discs (CCCD)
  - Recordable compact discs (CD-R)
  - Rewritable compact discs (CD-RW)
- Do not use the following CDs as they may cause the CD player to malfunction.
  - 8 cm (3.1 in) discs
  - CDs that are not round
  - CDs with a paper label
  - CDs that are warped, scratched, or have abnormal edges
- This audio system can only play prerecorded CDs. It has no capabilities to record or burn CDs.
- If a CD cannot be played, error messages similar to the following may be displayed.

[Disc Reading Error]:

Indicates a CLV/Focus, TOC or Access error. Check and re-insert the CD. Make sure that it is inserted correctly.

[Please Eject Disc]:

Indicates a mechanism error. If the CD can be ejected, eject and re-insert the CD. If the CD cannot be ejected, it is recommended that you contact a NISSAN dealer.

[File type is not supported]:

Indicates that no readable files are found on the inserted CD. Check the data on your CD.

DIGITAL VERSATILE DISC (DVD) PLAYER (if equipped)

Copyright and trademark

- The technology protected by the U.S. patent and other intellectual property rights owned by Macrovision Corporation and other right holders is adopted for this system.
- This copyright protected technology cannot be used without a permit from Macrovision Corporation. It is limited to be personal use, etc., as long as the permit from Macrovision Corporation is not issued.
- Modifying or disassembling is prohibited.
- Dolby digital is manufactured under license from Dolby Laboratories, Inc.
- Dolby and the double D mark DOLBY DIGITAL re trademarks of Dolby Laboratories, Inc.
- DTS is a registered trademark of DTS, Inc. and DTS 2.0 "dts 2.0 Channel" is a trademark of DTS, Inc.

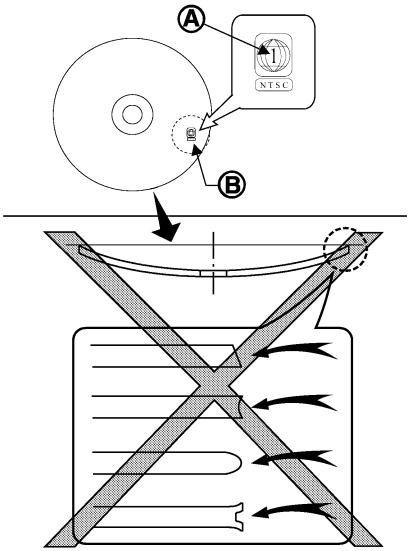
Parental level (parental control)

DVDs with the parental control settings can be played with this system. Please use your own judgement to set the parental control with the system.

Disc selection

You can play the following disc formats with the DVD drive:

- DVD-Video
- DVD-VR
- Video-CD
- DTS-CD



Use DVDs with the region code "ALL" or the code applicable to your DVD player. (The region code Ⓐ is displayed as a small symbol printed on the DVD Ⓑ.) This vehicle-installed DVD player can only play DVDs with an applicable region code.

Do not use the following DVDs as they may cause the DVD player to malfunction:

- **8 cm (3.1 in) discs**
- **DVDs with incompatible region code**
- **DVDs that are not round**
- **DVDs with a paper label**
- **DVDs that are warped, scratched, or have unequal edges**

The following DVDs may not work properly:

- Recordable digital video discs (DVD-R)
- Rewritable digital video discs (DVD-RW)

Specification chart for DVD

Playable media:

The following media can be played on the system.

- DVD+RW
- DVD+R
- DVD+R DL
- DVD-RW (corresponds to CPRM)
- DVD-R (corresponds to CPRM)
- DVD-R DL (corresponds to CPRM)
- DVD-ROM
- Dual DISC (not guaranteed)

Video codec:

The following video codecs are supported by the system.

Video file format	
DVD Video	
DVD-VR with CPRM	
VIDEO CD	Ver. 1.0
	Ver. 1.1
	Ver. 2.0
DTS CD	

Audio codec:

The following combinations of audio codecs support video formats.

Sound format	DVD-Video	DVD-VR	Video-CD	DTS-CD
LPCM	Supported	Supported	Not supported	Not supported
Dolby Digital	Supported	Supported	Not supported	Not supported
Dolby Digital EX	Supported with limited output *1	Not supported	Not supported	Not supported
Dts	Supported	Not supported	Not supported	Supported
dts-ES	Supported with limited output *2	Not supported	Not supported	Not supported
dts 96/24	Supported with limited output *3	Not supported	Not supported	Not supported
MPEG1 Layer3	Supported	Supported	Supported	Not supported
MPEG2 Layer3	Supported with limited output *4	Supported with limited output	Not supported *5	Not supported

*1 A back surround channel is assigned to the LS and RS channels and output.

*2 A surround center channel is assigned to the LS and RS channels and output.

*3 Output in 48kHz/24bit.

*4 A back surround channel of DVD-Video and DVD-VR/MPEG2 is assigned to the LS and RS channels and output.

*5 MPEG2 Layer3 of VIDEO CD indicates SVCD. SVCD may play but its performance is not guaranteed. The 2ch output is utilized for the audio output of SVCD.

USB (Universal Serial Bus) CONNECTION PORT

WARNING:

Do not connect, disconnect or operate the USB device while driving.

Doing so can be distracting. If distracted, you could lose control of your vehicle and cause an accident or serious injury.

CAUTION:

- **Do not force the USB device into the USB connection port. Inserting the USB device tilted or upside down into the port may damage the port. Make sure that the USB device is connected correctly into the USB connection port.**
- **Do not grab the USB connection port cover (if equipped) when pulling the USB device out of the port. This could damage the port and the cover.**
- **Do not leave the USB cable in a place where it can be pulled unintentionally. Pulling the cable may damage the port.**

This vehicle is not equipped with a USB device. USB devices should be purchased separately as necessary.

This system cannot be used to format USB devices. To format a USB device, use a personal computer.

In some jurisdictions, the USB device for the front seats plays only sound without images for regulatory reasons, even when the vehicle is parked.

This system supports various USB memory devices, USB hard drives and iPod players. Some USB devices may not be supported by this system.

- Partitioned USB devices may not play correctly.
- Some characters used in other languages (Chinese, Japanese, etc.) may not appear properly in the display. Using English language characters with a USB device is recommended.

General notes for USB use

Refer to your device manufacturer's owner information regarding the proper use and care of the device.

Notes for iPod use

"Made for iPod" and "Made for iPhone" mean that an electronic accessory has been designed to connect specifically to iPod or iPhone, respectively, and has been certified by the developer to meet Apple performance standards. Apple is not responsible for the operation of this device or its compliance with safety and regulatory standards. Please note that the use of this accessory with an iPod or iPhone may affect wireless performance. Apple, the Apple logo, iPhone, iPod, iPod classic, iPod nano, and iPod touch are trademarks of Apple Inc., registered in the U.S. and other countries. Lightning is a trademark of Apple Inc. App Store is a service mark of Apple Inc.

- Improperly plugging in an iPod may cause a check-mark to be displayed on/off (flickering). Always make sure that the iPod is connected properly.
- An iPod nano (1st generation) may remain in fast-forward or rewind mode if it is connected during a seek operation. In this case, please manually reset the iPod.
- An iPod nano (2nd generation) will continue to fast-forward or rewind if it is disconnected during a seek operation.
- An incorrect song title may appear when the Play Mode is changed while using an iPod nano (2nd generation).
- Audiobooks may not play in the same order as they appear on an iPod.
- Large video files cause slow responses in an iPod. The in-vehicle touch screen display may momentarily black out, but will soon recover.
- If an iPod automatically selects large video files while in the shuffle mode, the in-vehicle touch screen display may momentarily black out, but will soon recover.

COMPRESSED AUDIO FILES (MP3/WMA/AAC)

Explanation of terms

- MP3 — MP3 is short for Moving Pictures Experts Group Audio Layer 3. MP3 is the most well known compressed digital audio file format. This format allows for near "CD quality" sound, but at a fraction of the size of normal audio files. MP3 conversion of an audio track can reduce the file size by approximately a 10:1 ratio (sampling: 44.1 kHz, bit rate: 128 kbps) with virtually no perceptible loss in quality. The compression reduces certain parts of the sound that seem inaudible to most people.
- WMA — Windows Media Audio (WMA) is a compressed audio format created by Microsoft as an alternative to MP3. The WMA codec offers greater file compression than the MP3 codec, enabling storage of more digital audio tracks in the same amount of space when compared to MP3s at the same level of quality.

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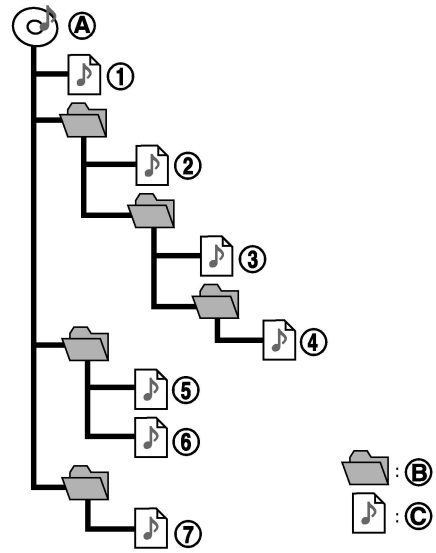
- AAC — Advanced Audio Coding (AAC) is a compressed audio format. AAC offers greater file compression than MP3 and enables music file creation and storage at the same quality as MP3.
- Bit rate — Bit rate denotes the number of bits per second used by a digital music file. The size and quality of a compressed digital audio file is determined by the bit rate used when encoding the file.
- Sampling frequency — Sampling frequency is the rate at which the samples of a signal are converted from analog to digital (A/D conversion) per second.
- Multisession — Multisession is one of the methods for writing data to media. Writing data once to the media is called a single session, and writing more than once is called a multisession.
- ID3/WMA Tag — The ID3/WMA tag is the part of the encoded MP3 or WMA file that contains information about the digital music file such as song title, artist, album title, encoding bit rate, and track time duration, etc. ID3 tag information is displayed on the Album/Artist/Track title line on the display.

* Windows® and Windows Media® are registered trademarks or trademarks of Microsoft Corporation in the United States of America and/or other countries.

Playback order



Ⓐ Root folder
Ⓑ Folder
Ⓒ Audio file

- The folder names of folders not containing compressed audio files are not shown on the display.

- If there is a file in the top level of a disc/USB, the root folder is displayed.
- The playback order is the order in which the files were written by the writing software, so the files might not play in the desired order.
- The music playback order of compressed audio files is as illustrated.

Specification chart for CD

Supported media			CD, CD-R, CD-RW
Supported file systems			CD, CD-R, CD-RW
Supported versions*1	MP3	Version	MPEG1 Audio Layer3, MPEG2 Audio Layer3, MPEG2.5 Audio Layer3
		Sampling frequency	MPEG2.5 Audio Layer3: 8kHz, 11.025kHz, 12kHz MPEG2 Audio Layer3: 16kHz, 22.05kHz, 24kHz MPEG1 Audio Layer3: 32kHz, 44.1kHz, 48kHz
		Bit rate	8 kbps - 320 kbps, VBR
	WMA*2	Version	WMA7, WMA8, WMA9.1, WMA9.2
		Bit rate/Sampling frequency	Bit rate: Ver7, Ver8: 32–192kbps Ver9, Ver9.1, Ver9.2: 32–192kbps, VBR Sampling frequency: Ver7, Ver8: 8k/11.025k/16k/22k/32k/44.1k Ver9, Ver9.1, Ver9.2: 8k/11.025k/16k/22k/32k/44.1k/48 kHz
	AAC*3	Bit rate/Sampling frequency	Bit rate: 8–320 kbps, VBR Sampling frequency: 11.025–48kHz
Tag information (Song title, Artist name and Album name)			ID3 tag VER1.0, VER1.1, VER2.2, VER2.3, VER2.4 (MP3 only)
			WMA Tag (WMA only)
			AAC Tag (AAC only)
Folder levels			CD, CD-R, CD-RW: Folder levels: 8, Folders: 255 (including root folder), Files: 510 (Max. 255 files for one folder)
Displayable character codes*4			01: SHIFT-JIS, ASCII, ISO–8859–1, UTF-8, UTF-16 BOM, UTF-16 Big Endian, UTF-16 Little Endian, 02: UNICODE, 03: UTF-16

*1 Files created with a combination of 48 kHz sampling frequency and 64 kbps bit rate cannot be played.

*2 Protected WMA files (DRM) cannot be played.

*3 Made by iTunes.

*4 Available codes depend on what kind of media, versions, and information are going to be displayed.

Specification chart for USB

Supported media	USB2.0
Supported file systems	FAT32
Folder levels	Folder levels: 8, Folders: 512 (including the root folder), Files: 5000

Format		**Sampling rate**	**Supported/Not supported**
MPEG1	Layer-1	-	Not supported
	Layer-2	-	Not supported
	Layer-3	44.1, 48, 32 kHz	Supported (32–320 kbps)
MPEG2	Layer-1	-	Not supported
	Layer-2	-	Not supported
	Layer-3	22.05, 24, 16 kHz	Supported (16–160 kbps)
MPEG2.5	Layer-1	-	Not supported
	Layer-2	-	Not supported
	Layer-3	11.025, 12, 8 kHz	Supported (16–160 kbps)
WMA*1		32, 44.1, 48 kHz	Supported VER.7/8 (48–192 bps) VER.9/9.1/9.2 (48–320 bps)
AAC (MPEG4)*2 (Extension “m4a” only)		8, 11.025, 12, 16, 22.05, 24, 32, 44.1, 48 kHz	Supported (16–320 kbps)

*1 Professional (voice, lossless, multichannel) is not supported.

*2 AAC (MPEG-2) is not supported.

Windows Media Player

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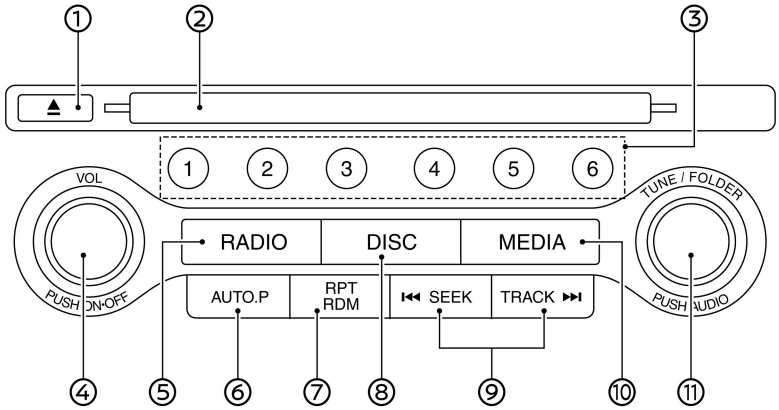
BLUETOOTH® STREAMING AUDIO

- Some Bluetooth® streaming audio devices may not be recognized by the in-vehicle audio system.
- It is necessary to set up the wireless connection between a compatible Bluetooth® streaming audio device and the in-vehicle Bluetooth® module before using the Bluetooth® streaming audio.
- The Bluetooth® streaming audio may be stopped under the following conditions:
  - When receiving a hands-free call
  - When checking the connection to the hands-free phone
  - When connecting the hands-free phone or audio device
  - When downloading a phonebook memory from a connected cellular phone
- Do not place a Bluetooth® streaming audio device in an area surrounded by metal or far away from the in-vehicle Bluetooth® module to prevent tone quality degradation and wireless connection disruption.
- While an audio device is connected through Bluetooth® wireless connection, the battery of the device may discharge quicker than usual.
- This system supports the Bluetooth® Advanced Audio Distribution Profile (A2DP) and Audio/Video Remote Control Profile (AVRCP).
- Wireless LAN (Wi-Fi) and the Bluetooth® functions share the same frequency band (2.4 GHz). Using the Bluetooth® and the wireless LAN functions at the same time may slow down or disconnect the communication and cause undesired noise. It is recommended that you turn off the wireless LAN (Wi-Fi) when using the Bluetooth® functions.

NAMES AND FUNCTIONS OF AUDIO CONTROL BUTTONS

AUDIO MAIN BUTTONS (Type A)



① **< ⏏ >**:

Push to eject a disc.

② Disc slot:

Insert a disc with the label side facing up.

③ Radio memory buttons:

Up to six preferred stations can be registered in the preset list for each band.

④ **<VOL/ON·OFF>**:

Push to turn the audio system on/off. Turn to adjust the volume.

⑤ **<RADIO>**:

Push to switch to the radio mode. To change the radio bands, push the button multiple times until a preferred band is selected.

⑥ **<AUTO.P>**:

Push and hold to store the radio station frequency automatically. Push briefly to switch back and forth between the manual preset memory (memory stored with radio memory buttons) and automatic memory.

⑦ **<RPT RDM>**:

Push to change the play mode of the tracks.

⑧ **<DISC>**:

Push to play the CD or DVD (if equipped).

⑨ **<SEEK>/<TRACK>**:

Functions to seek radio stations or to skip and fast-forward/rewind through tracks.

⑩ **<MEDIA>**:

Each time the button is pushed, a different audio source will be selected.

⑪ **<TUNE/FOLDER AUDIO>**:

Bass, treble, balance and fade can be adjusted by pushing this button and turning the knob.

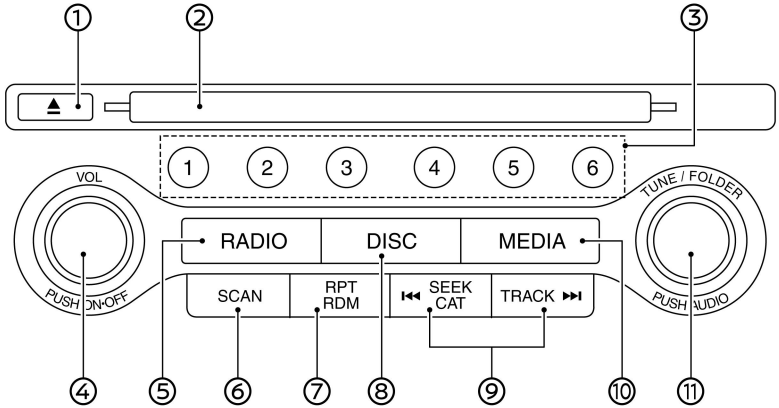
Also, functions to manually tune AM/FM stations and to select MP3/WMA/AAC folders.

When DAB (if equipped) is playing, turning this button briefly will shift up/down the station within the ensemble. Pushing and holding the button will shift up/down the ensemble while tuning to DAB.

INFO:

The audio system settings can be linked and memorized for each of the Intelligent Keys (if equipped). For additional information, refer to the vehicle Owner's Manual.

AUDIO MAIN BUTTONS (Type B)



① **< ⏏ >**:

Push to eject a disc.

② Disc slot:

Insert a disc with the label side facing up.

③ Radio memory buttons:

Up to six preferred stations can be registered in the preset list for each band.

④ **<VOL/ON·OFF>**:

Push to turn the audio system on/off. Turn to adjust the volume.

⑤ **<RADIO>**:

Push to switch to the radio mode. To change the radio bands, push the button multiple times until a preferred band is selected.

⑥ **<SCAN>**:

Push to scan when scannable source is playing. Push again to stop scanning.

⑦ **<RPT RDM>**:

Push to change the play mode of the tracks.

⑧ **<DISC>**:

Push to play the CD or DVD (if equipped).

⑨ **<SEEK CAT>/<TRACK>**:

Functions to seek radio stations or to skip and fast-forward/rewind through tracks.

⑩ **<MEDIA>**:

Each time the button is pushed, a different audio source will be selected.

⑪ **<TUNE/FOLDER AUDIO>**:

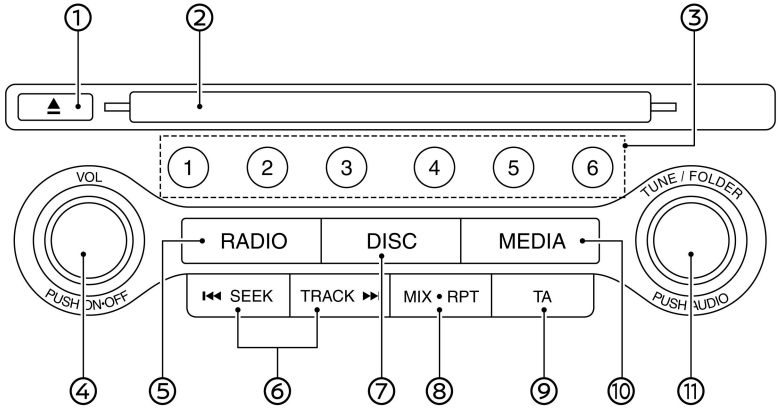
Bass, treble, balance and fade can be adjusted by pushing this button and turning the knob.

Also, functions to manually tune AM/FM stations and to select MP3/WMA/AAC folders.

INFO:

The audio system settings can be linked and memorized for each of the Intelligent Keys (if equipped). For additional information, refer to the vehicle Owner's Manual.

AUDIO MAIN BUTTONS (Type C)



① **< ▲ >**:

Push to eject a disc.

② Disc slot:

Insert a disc with the label side facing up.

③ Radio memory buttons:

Up to six preferred stations can be registered in the preset list for each band.

④ **<VOL/ON·OFF>**:

Push to turn the audio system on/off. Turn to adjust the volume.

⑤ **<RADIO>**:

Push to switch to the radio mode. To change the radio bands, push the button multiple times until a preferred band is selected.

⑥ **<SEEK>/<TRACK>**:

Functions to seek radio stations or to skip and fast-forward/rewind through tracks.

⑦ **<DISC>**:

Push to play the CD or DVD (if equipped).

⑧ **<MIX RPT>** :

Push to change the play mode of the tracks.

⑨ **<TA>**:

Use the button for Traffic Announcement operations.

⑩ **<MEDIA>**:

Each time the button is pushed, a different audio source will be selected.

⑪ **<TUNE/FOLDER AUDIO>**:

Bass, treble, balance and fade can be adjusted by pushing this button and turning the knob.

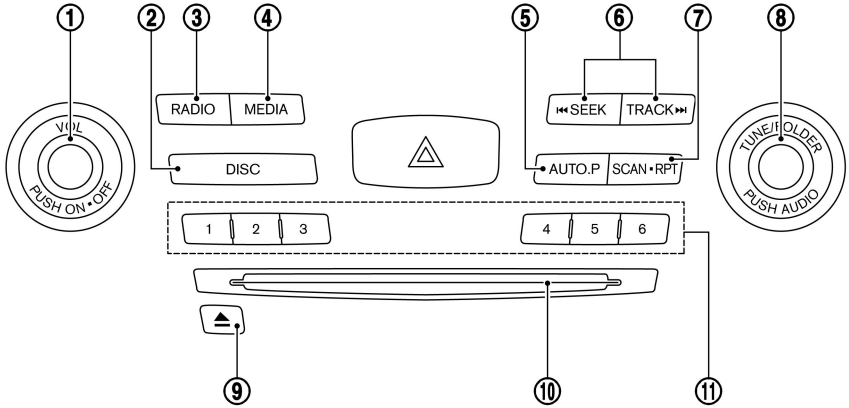
Also, functions to manually tune AM/FM stations and to select MP3/WMA/AAC folders.

When DAB (if equipped) is playing, turning this button briefly will shift up/down the station within the ensemble. Pushing and holding the button will shift up/down the ensemble while tuning to DAB.

INFO:

The audio system settings can be linked and memorized for each of the Intelligent Keys (if equipped). For additional information, refer to the vehicle Owner's Manual.

AUDIO MAIN BUTTONS (Type D)



① **<VOL/ON·OFF>**:

Push to turn the audio system on/off. Turn to adjust the volume.

② **<DISC>**:

Push to play the CD or DVD (if equipped).

③ **<RADIO>**:

Push to switch to the radio mode. To change the radio bands, push the button multiple times until a preferred band is selected.

④ **<MEDIA>**:

Each time the button is pushed, a different audio source will be selected.

⑤ **<AUTO.P>**:

Push and hold to store the radio station frequency automatically. Push briefly to switch back and forth between the manual preset memory (memory stored with radio memory buttons) and automatic memory.

⑥ **<SEEK>/<TRACK>**:

Functions to seek radio stations or to skip and fast-forward/rewind through tracks.

⑦ **<SCAN RPT>**:

Push to change the play mode of the tracks.

⑧ **<TUNE/FOLDER AUDIO>**:

Bass, treble, balance and fade can be adjusted by pushing this button and turning the knob.

Also, functions to manually tune AM/FM stations and to select MP3/WMA/AAC folders.

⑨ **< ⏏ >**:

Push to eject a disc.

⑩ Disc slot:

Insert a disc with the label side facing up.

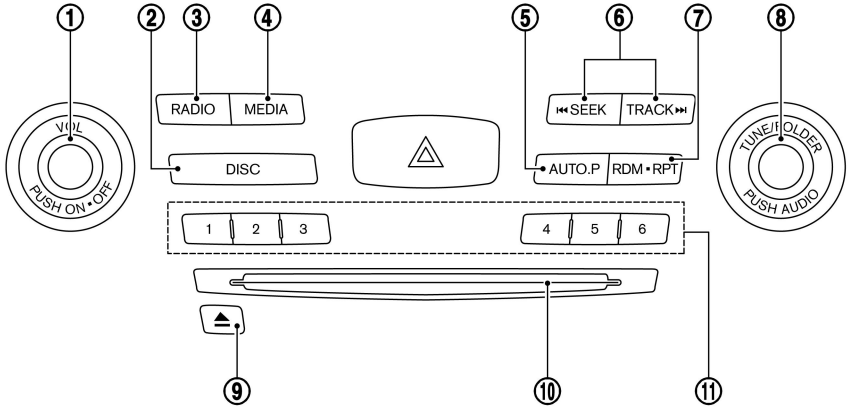
⑪ Radio memory buttons:

Up to six preferred stations can be registered in the preset list for each band.

INFO:

The audio system settings can be linked and memorized for each of the Intelligent Keys (if equipped). For additional information, refer to the vehicle Owner's Manual.

AUDIO MAIN BUTTONS (Type E)



① **<VOL/ON·OFF>**:

Push to turn the audio system on/off. Turn to adjust the volume.

② **<DISC>**:

Push to play the CD or DVD (if equipped).

③ **<RADIO>**:

Push to switch to the radio mode. To change the radio bands, push the button multiple times until a preferred band is selected.

④ **<MEDIA>**:

Each time the button is pushed, a different audio source will be selected.

⑤ **<AUTO.P>**:

Push and hold to store the radio station frequency automatically. Push briefly to switch back and forth between the manual preset memory (memory stored with radio memory buttons) and automatic memory.

⑥ **<SEEK>/<TRACK>**:

Functions to seek radio stations or to skip and fast-forward/rewind through tracks.

⑦ **<RDM RPT>**:

Push to change the play mode of the tracks.

⑧ **<TUNE/FOLDER AUDIO>**:

Bass, treble, balance and fade can also be adjusted by pushing this button and turning the knob.

Also, functions to manually tune AM/FM stations and to select MP3/WMA/AAC folders.

⑨ **< ⏏ >**:

Push to eject a disc.

⑩ Disc slot:

Insert a disc with the label side facing up.

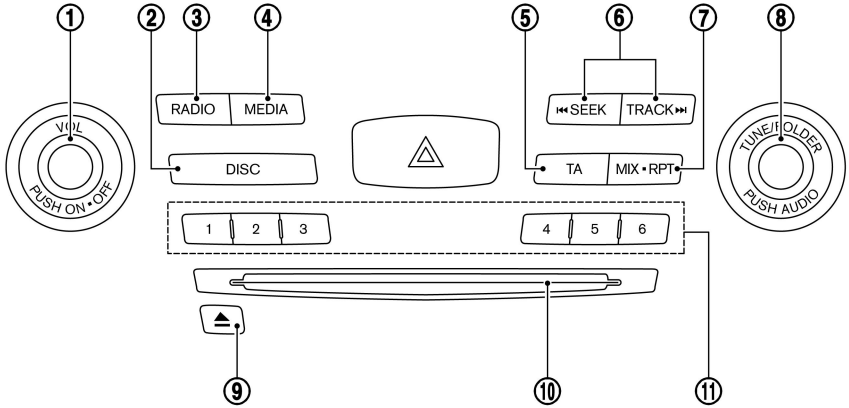
⑪ Radio memory buttons:

Up to six preferred stations can be registered in the preset list for each band.

INFO:

The audio system settings can be linked and memorized for each of the Intelligent Keys (if equipped). For additional information, refer to the vehicle Owner's Manual.

AUDIO MAIN BUTTONS (Type F)



① **<VOL/ON·OFF>**:

Push to turn the audio system on/off. Turn to adjust the volume.

② **<DISC>**:

Push to play the CD or DVD (if equipped).

③ **<RADIO>**:

Push to switch to the radio mode. To change the radio bands, push the button multiple times until a preferred band is selected.

④ **<MEDIA>**:

Each time the button is pushed, a different audio source will be selected.

⑤ **<TA>**:

Use the button for Traffic Announcement operations.

⑥ **<SEEK>/<TRACK>**:

Functions to seek radio stations or to skip and fast-forward/rewind through tracks.

⑦ **<MIX RPT>** :

Push to change the play mode of the tracks.

⑧ **<TUNE/FOLDER AUDIO>**:

Bass, treble, balance and fade can be adjusted by pushing this button and turning the knob.

Also, functions to manually tune AM/FM stations and to select MP3/WMA/AAC folders.

When DAB (if equipped) is playing, turning this button briefly will shift up/down the station within the ensemble. Pushing and holding the button will shift up/down the ensemble while tuning to DAB.

⑨ **< ⏏ >**:

Push to eject a disc.

⑩ Disc slot:

Insert a disc with the label side facing up.

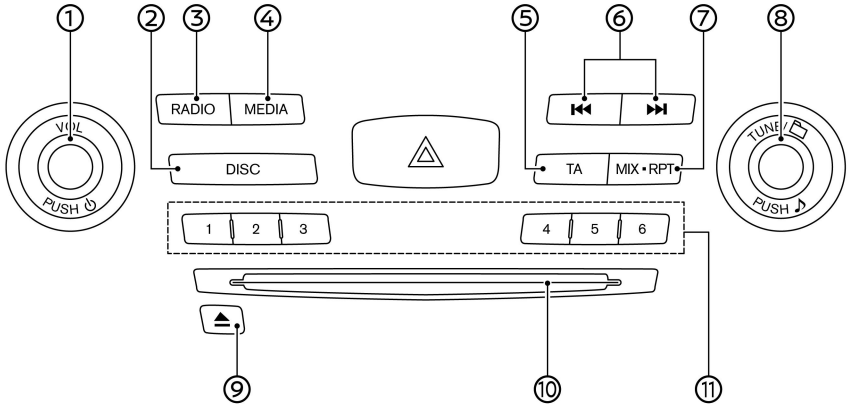
⑪ Radio memory buttons:

Up to six preferred stations can be registered in the preset list for each band.

INFO:

The audio system settings can be linked and memorized for each of the Intelligent Keys (if equipped). For additional information, refer to the vehicle Owner's Manual.

AUDIO MAIN BUTTONS (Type G)



① **<VOL/ ⏻ >**:

Push to turn the audio system on/off. Turn to adjust the volume.

② **<DISC>**:

Push to play the CD or DVD (if equipped).

③ **<RADIO>**:

Push to switch to the radio mode. To change the radio bands, push the button multiple times until a preferred band is selected.

④ **<MEDIA>**:

Each time the button is pushed, a different audio source will be selected.

⑤ **<TA>**:

Use the button for Traffic Announcement operations.

⑥ **< ⏮ >/< ⏭ >**:

Functions to seek radio stations or to skip and fast-forward/rewind through tracks.

⑦ **<MIX RPT>** :

Push to change the play mode of the tracks.

⑧ **<TUNE/ 🗀 ♪>**:

Bass, treble, balance and fade can be adjusted by pushing this button and turning the knob.

Also, functions to manually tune AM/FM stations and to select MP3/WMA/AAC folders.

⑨ **< ⏏ >**:

Push to eject a disc.

⑩ Disc slot:

Insert a disc with the label side facing up.

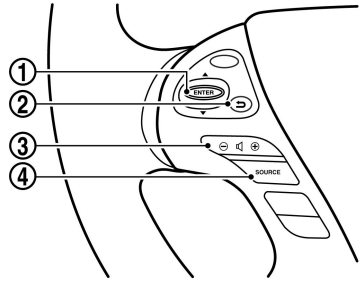
⑪ Radio memory buttons:

Up to six preferred stations can be registered in the preset list for each band.

INFO:

The audio system settings can be linked and memorized for each of the Intelligent Keys (if equipped). For additional information, refer to the vehicle Owner's Manual.

STEERING WHEEL MOUNTED AUDIO CONTROL BUTTONS (Type A)



① **<ENTER>**:

While the display is showing a map (if equipped), status or audio screen, tilt this switch upward or downward to select a station, track or folder. For most audio sources, tilting the switch up/down for more than 1.5 seconds provides a different function than tilting up/down for less than 1.5 seconds.

② **< ⮌ >**:

Push to go back to the previous screen or cancel the selection if it is not completed.

③ **<– 🔊 +>**:

Push to adjust the volume.

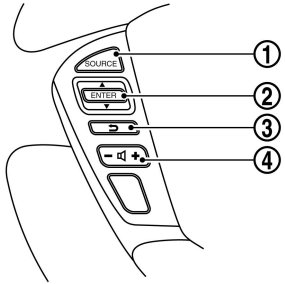
④ **<SOURCE>**:

With the ignition switch in the ACC or ON position, push this button to turn the audio system on. Push to change the audio source.

NOTE:

You are unable to operate the display of the system using the buttons on the steering wheel whenever the vehicle information display shows the setting display.

STEERING WHEEL MOUNTED AUDIO CONTROL BUTTONS (Type B)



① **<SOURCE>**:

With the ignition switch in the ACC or ON position, push this button to turn the audio system on. Push to change the audio source.

② **<ENTER>**:

While the display is showing a map (if equipped), status or audio screen, tilt this switch upward or downward to select a station, track or folder. For most audio sources, tilting the switch up/down for more than 1.5 seconds provides a different function than tilting up/down for less than 1.5 seconds.

③ **< ⮌ >**:

Push to go back to the previous screen or cancel the selection if it is not completed.

④ **<– 🔊 +>**:

Push to adjust the volume.

AUDIO MAIN OPERATIONS

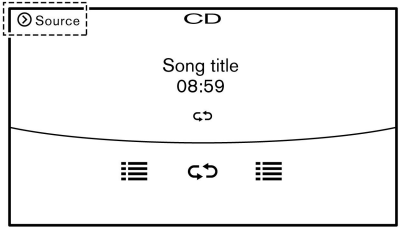
Turning audio system on/off

The ignition switch must be in the ACC or ON position to turn on the audio system. Push **<VOL/ON·OFF>**/**<VOL/ ⏻ >** to turn on the last audio source which was playing immediately before the system was turned off. To turn off the audio system, push **<VOL/ON·OFF>**/**<VOL/ ⏻ >** again.

Displaying audio screen

Push **<AUDIO>** to display the current audio screen.

Selecting audio source



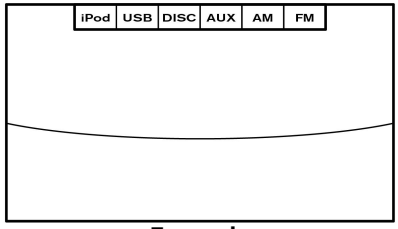
1. Turn on the audio source menu screen by touching [Source] on the upper left corner of the audio screen.
2. Select an item from the audio source menu screen.

INFO:

- Pushing **<RADIO>**, **<DISC>**, **<MEDIA>** or **<SOURCE>** can also change the audio source.
  ☞ "Names and functions of audio control buttons" (page 3-13)
- If the audio system has been turned off while one of the audio sources was playing, turning the audio system back on will play the audio source that was playing when the system was turned off.
- The audio source can also be changed with the source bar on top of the audio screen.

Audio source bar

The audio source can be changed with the source bar on top of the audio screen. The source bar display can be turned on/off.



Example

Turning source bar on/off:

You can select whether the source bar on top of the audio screens is displayed or not.

1. Touch [Source] on the upper left corner of the audio screen.
2. Touch [Show Source Bar] to turn the indicator on/off.

Editing source bar:

The audio sources to be displayed on the source bar can be changed.

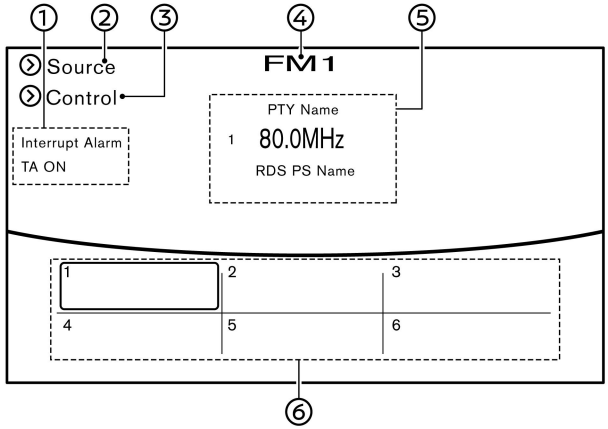
1. Touch [Source] on the upper left corner of the audio screen.
2. Touch [Edit Source Bar].
3. Touch one of the keys on the source bar and then touch one of the audio sources from the source list to register the audio source in the source bar.

RADIO

How to view radio operation screen

The radio screen can be viewed and operated on the display.

Designs and items displayed on the screen may vary depending on models and specifications.



① TA (Traffic Announcement) status indicator:

The current status is displayed.

The status indicator is displayed in any audio source screen.

② [Source]:

Touch to switch to the source select screen.
☞ "Selecting audio source" (page 3-21)

③ [Control]:

Touch to display the control screen.
☞ "Radio controls" (page 3-23)

④ Radio band indicator:

The currently selected radio band is displayed.

⑤ Selected station and reception information display:

Selected station and reception information available at the time such as PTY name, etc. is displayed.

⑥ Preset list:

Up to six preferred stations can be registered in the preset list for each band. Names of the preset broadcasting stations are displayed when available.

Radio operation

Available functions and items displayed on the screen may vary depending on models and specifications.

Radio activation and band selection:

Push **<RADIO>** or select the preferred radio band from the audio source list to turn on the radio. Each time **<RADIO>** is pushed, the radio band will change.
☞ "Selecting audio source" (page 3-21).

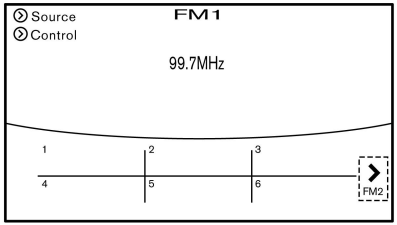
INFO:

When the stereo broadcast signal is weak, the radio will automatically change from stereo to monaural reception.

Switching between FM1 and FM2 screens:

In an area where FM stations are divided into FM1 and FM2, flicking on the FM1 or FM2 screen from right to left or left to

right can change the screens to FM2 or FM1.



FM1 and FM2 screens can also be switched by touching the FM band shift key displayed on the screen. The FM band shift key is displayed on the lower corner of the FM screen. Touch the key to switch from FM1 to FM2, or from FM2 to FM1.

Seeking stations:

Push **<SEEK>/<TRACK>/<SEEK CAT>/ < |◀◀ >/< ▶▶| >** to tune from low to high or high to low frequencies to stop at the next broadcasting station.

Tilting and holding **<ENTER>** on the steering wheel will also seek up/down to the next station.

Manual tuning:

To tune to the preferred station manually, turn **<TUNE/FOLDER AUDIO>/<TUNE/ ♪>** until the preferred station is selected.

Scan tuning (if equipped):

To scan tune the stations, touch [Control] on the display and touch [Scan]. The stations will be turned to from low to high frequencies and stop at each broadcasting station for 5 seconds. Touching [Scan] again during this 5 second period will stop scan tuning and the radio will remain tuned to that station.

Pushing **<SCAN>** can also scan tune.

Manual presetting:

Up to six stations can be registered for each radio band.

1. Select a radio band.
2. Tune to the station you wish to store in the preset list.
3. Touch and hold one of the preset numbers in the preset list or push and hold the desired radio memory buttons.
4. The information, such as frequency, etc. will be displayed on the preset list.

INFO:

Touch one of the preset numbers in the preset list or push a memory button (1 - 6) to select a desired memory. Tilt **<ENTER>** on the steering wheel to scroll up/down the preset stations.

Auto presetting (if equipped):

Six stations with the best reception for AM and FM respectively can be stored besides manually preset stations.

1. Touch [Control] on the radio screen.
2. Touch and hold [Auto.P].
3. The preset screen for the selected band will appear when the preset is complete.

Briefly touching [Auto.P] in the control menu will turn the auto preset screen on/off. For models with **<AUTO.P>**, pushing and holding **<AUTO.P>** can also automatically store stations, and pushing **<AUTO.P>** briefly can switch back and forth between the manual preset memory and the automatic memory.

Traffic Announcement (TA) (if equipped):

Push **<TA>** to activate TA (Traffic Announcement) mode.

Radio controls

Touch [Control] on the radio operation screen to display the control screen.

Available functions and items displayed on the screen may vary depending on models and specifications.

FM/AM:

- [Station list]
  Touch to display the available station list.
  While listening to FM radio, Auto Update is not preformed.
- [AUTO.P]
  Touch and hold to auto store the stations with the best reception condition. Touch briefly to turn the auto preset screen on/off.
- [Scan]
  Touch to scan for and tune radio stations.
- [TA Interrupt] (FM only)
  When this item is turned on, received TA (Traffic Announcement) broadcasts will interrupt the audio source that is playing. This item is available only in Audio mode.
- [RDS Info]
  Touch to display the RDS information when FM radio is playing.

DAB:

- [Station List]
  Touch to display the available station list.
- [PTY List]
  Touch to display the PTY (Programme Type) list. Touch one of the item on the list to display the radio station which belongs to the selected PTY.
- [EPG]
  Touch to display the EPG (Electronic Programme Guide) list. If the selected item on the list is broadcast at the time, you can tune to the station by touching [Listen] or read information by touching [Details].
  Some stations do not support EPG. Depending on the signal condition, acquiring and updating the data may take some time.
- [TA Interrupt]
  When this item is turned on, received TA (Traffic Announcement) will interrupt the audio source that is playing.
- [DAB Info]
  Touch to display the DAB (Digital Audio Broadcast) information. Information such as the song title and traffic information can be viewed via Dynamic Label Segment.

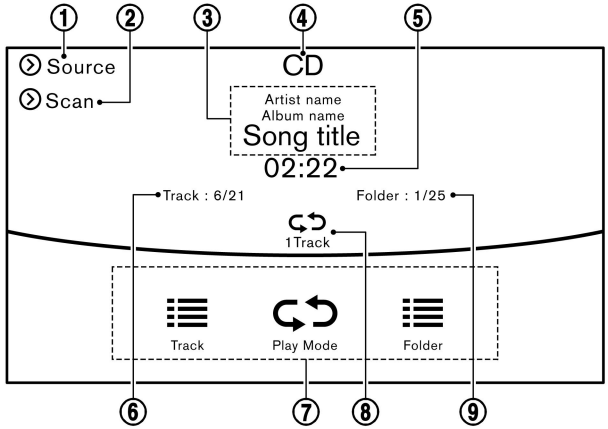
INFO:

"EAS" in "EAS test" (displayed on the screen as a PTY name) is an abbreviation of "Emergency Alert System".

COMPACT DISC (CD) PLAYER

How to view CD operation screen

Designs and items displayed on the screen may vary depending on models and specifications.



① [Source]:

Touch to switch to the source list screen.

☞ "Selecting audio source" (page 3-21)

② [Scan]:

Touch to play the first 10 seconds of the tracks. Touch again to stop scanning.

③ Track information:

Track information such as the song title, artist name and album name is displayed.

④ Audio source indicator:

Indicates that CD is currently selected.

⑤ Play time:

The play time of the track is displayed.

⑥ Track number:

This indicates the current track number and the total number of tracks.

⑦ CD menu:

- [Track]
- [Play Mode]
- [Folder] (for MP3, WMA, AAC)

⑧ Play Mode indicator:

This indicates the current play mode. Touch to change the play mode.

For CDs without compressed audio files:

Mode	Screen display
[Disc Repeat]/[1 Disc Repeat]	Disc/ DISC
[1 Track Repeat]/[Repeat Track]	1 Track
[Disc Random]/[1 Disc Random]/[MIX Disc]	Disc/ DISC

For CDs with compressed audio files:

Mode	Screen display
[Disc Repeat]/[1 Disc Repeat]	Disc/ DISC
[1 Folder Repeat]/[Repeat Folder]	1 Folder
[1 Track Repeat]/[Repeat Track]	1 Track
[Disc Random]/[1 Disc Random]/[MIX Disc]	Disc/ DISC

[1 Folder Random]/[Mix Folder]/[MIX Folder]	1 Folder

⑨ Folder number (for MP3, WMA, AAC):

This indicates the folder number when a CD with compressed audio files is loaded.

CD player operation

Available functions and items displayed on the screen may vary depending on models and specifications.

Loading:

Insert the CD into the slot with the label side facing up. The CD will be guided automatically into the slot and start playing.

After loading the CD, the CD screen will appear on the display.

Activation and playing:

The CD mode can be selected from the source list or by pushing **<DISC>** with a CD loaded to play the CD.

☞ "Selecting audio source" (page 3-21)
☞ "Names and functions of audio control buttons" (page 3-13)

If the system has been turned off while the CD was playing, pushing **<VOL/ ON·OFF>/<VOL/ ⏻ >** will start the Audio system set to the CD screen.

Selecting track/folder:

Touch [Track] or [Folder] in the CD menu and select a preferred track or folder from the list.

Push **<SEEK>/<TRACK>/<SEEK CAT>/ < ⏮ >/< ⏭ >** or tilt **<ENTER>** on the steering wheel up/down briefly to move to the next or previous track.

For CDs with compressed audio files, turn **<TUNE/FOLDER AUDIO>/<TUNE/ 🗀 ♪>** or tilt and hold **<ENTER>** on the steering wheel to move to the next or previous folder.

☞ "Names and functions of audio control buttons" (page 3-13)

Fast-forwarding or rewinding:

Push and hold **<SEEK>/<TRACK>/<SEEK CAT>/< ⏮ >/< ⏭ >** to fast-forward or rewind the track. Release to play the track at normal speed.

Scanning (if equipped):

Touch [Scan] or push **<SCAN>** to scan the tracks in the CD. While scanning, the CD will play the first 10 seconds of each track and move on to the next track. Touching [Scan] or pushing **<SCAN>** again within the 10 seconds will stop scanning.

Changing play mode:

Touch [Play Mode], [ ] or [ ] to select the play mode.

Pushing **<SCAN RPT>/<MIX RPT>/<RDM RPT>/<RPT RDM>** can also change the play mode.

Ejecting CD:

Push **< ⏏ >** to eject the CD. If the CD is ejected and left unremoved, it will be reloaded into the slot to protect the CD.

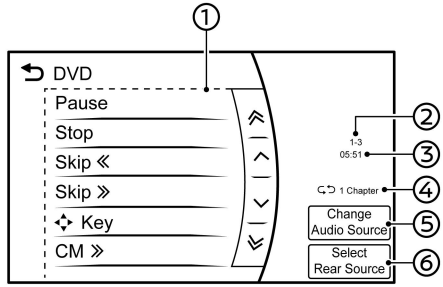
DIGITAL VERSATILE DISC (DVD) PLAYER (if equipped)

Precautions

- Images cannot be displayed when the ignition switch is in the ON position.
- In some countries, movies cannot be displayed in the vehicle at any time for regulatory reasons.
- Some VIDEO-CD functions may not be supported with this system.

How to view DVD operation screen

Designs and items displayed on the screen may vary depending on models and specifications.



① DVD operation menu:

DVD menu items are displayed. Touch to operate the DVD.

- [Play]/[Pause]
- [Stop]
- [Skip <<]
- [Skip >>]
- [◂✥▸ Key]
- [CM >>]
- [CM <<]
- [Title Menu]
- [Top Menu]
- [Title List]
- [10 Key Direct Input]/[10 Key Search]
- [Display Settings]
- [Play Mode]
- [Select No.]
- [Previous Title]
- [Next Title]/[Go to Next Title]
- [Default Position]

② Title/chapter number:

This indicates the DVD title/chapter number currently selected.

③ Play time:

The play time of the track is displayed.

④ Play mode indicator:

This indicates the current play mode.

Mode	Screen display
[OFF]	OFF
[1 Disc Repeat]/[Disc Repeat]	Disc/ DISC
[1 Chapter Repeat]/[Repeat Chapter]	1 Chapter
[Disc Random]/[Mix Disc]/[1 Disc Random]	Disc/ DISC

⑤ [Change Audio Source]

Touch to display the source select screen.

☞ "Selecting audio source" (page 3-21)

⑥ [Select Rear Source]:

Touch to display the Mobile Entertainment System screen.

☞ "Controlling the rear system on the front display" (page 3-59)

INFO:

- The DVD menu list will appear when the screen is touched while a movie is playing.
- The availability of the DVD menu items depend on the type of DVD.
- In some countries, images cannot be displayed on the in-vehicle system at any time for regulatory reasons, and a different DVD operation screen is displayed.

DVD player operation

Available functions and items displayed on the screen may vary depending on models and specifications.

Loading:

Insert the DVD into the slot with the label side facing up. The DVD will be guided automatically into the slot and start playback.

When a DVD is loaded, the DVD operation screen is displayed on the display.

Activation and playing:

Inserting the DVD into the slot will activate the DVD mode. The DVD mode can also be selected from the source list or by pushing **<DISC>** with a DVD loaded.

☞ "Selecting audio source" (page 3-21)
☞ "Names and functions of audio control buttons" (page 3-13)

Touch [Play] in the DVD menu to start playing. Touch [Pause] to pause and touch [Stop] to stop playing the DVD.

Skipping track/chapter:

Touch [Skip <<] or [Skip >>] in the DVD menu to skip to the next or previous track/chapter.

Displaying operation keys:

Touch [◂▴▸ Key] in the DVD menu to display operation keys such as [Enter] or [Return], etc. on the display.

Skipping commercial messages:

Touch [CM <<] or [CM >>] in the DVD menu to skip commercials.

Displaying top menu:

Touch [Top Menu] in the DVD menu to display the top menu specific to each disc. For additional information, refer to the disc instructions.

Displaying title list:

Touch [Title List] in the DVD menu to display the title list.

Displaying title menu:

Touch [Title Menu] in the DVD menu to display the title menu specific to each disc. For additional information, refer to the disc instructions.

Selecting track/chapter/menu number:

Touch [10 Key Search]/[10 Key Direct Input] or [Select No.] in the DVD menu to display the keyboard screen. Enter the track/chapter or menu number you wish to play.

Viewing next/previous title:

Touch [Next Title]/[Go to Next Title] or [Previous Title] in the DVD menu to shift to the next title or return to the previous title.

Viewing from default list:

Touch [Default Position] in the DVD menu to view from the default list.

Adjusting the display:

Touch [Display Settings] in the DVD menu to adjust the display settings of the display.

[Brightness]	Adjusts the display brightness.
[Contrast]	Adjusts the display contrast.
[Black Level]	Adjusts the display black level.
[Tint]	Adjusts the tint level.
[Color]/[Colour]	Adjusts the color.
[Reset Settings]	Resets all the display settings to default.

Changing play mode:

Touch [Play Mode] in the DVD menu to select the play mode.

Available modes

- DVD Video
  - [OFF]
  - [1 Chapter Repeat]/[Repeat Chapter]
- DVD VR
  - [1 Disc Repeat]/[Disc Repeat]
  - [1 Chapter Repeat]/[Repeat Chapter]
- Video CD 1.1
  - [1 Disc]/[Disc Repeat]
  - [1 Track Repeat]/[Repeat Track]
  - [1 Disc Random]/[MIX Disc]
- DTS-CD
  - [1 Disc Repeat]/[Disc Repeat]
  - [1 Track Repeat]/[Repeat Track]
  - [1 Disc Random]/[MIX Disc]

Ejecting disc:

Push **< ⏏ >** to eject the disc. If the disc is ejected and left unremoved, it will be reloaded into the slot to protect the disc.

USB (Universal Serial Bus) CONNECTION PORT

Connecting USB memory device

WARNING:

Do not connect, disconnect or operate the USB device while driving. Doing so can be distracting. If distracted, you could lose control of your vehicle and cause an accident or serious injury.

CAUTION:

- **Do not force the USB device into the USB connection port. Inserting the USB device tilted or upside down into the port may damage the port. Make sure that the USB device is connected correctly to the USB connection port.**
- **Do not grab the USB connection port cover (if equipped) when pulling the USB device out of the port. This could damage the port and the cover.**
- **Do not leave the USB cable in a place where it can be pulled unintentionally. Pulling the cable may damage the port.**

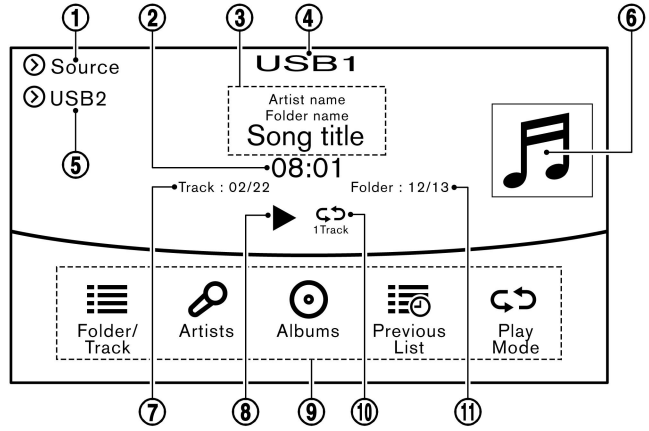
Refer to your device manufacturer's owner information regarding the proper use and care of the device.

When compatible storage devices are plugged into the jack, compatible audio files on the storage devices can be played through the vehicle's audio system.

USB connection port location:
☞ "Audio accessories" (page 2-11)

How to view USB operation screen

Designs and items displayed on the screen may vary depending on models and specifications.



① [Source]:

Touch to switch to the source list screen.

☞ "Selecting audio source" (page 3-21)

② Play time:

The play time of the track is displayed.

③ Track information:

Track information such as the song title, artist name and folder name is displayed.

④ Audio source indicator:

Indicates which of the two USB memory devices is selected.

⑤ [USB1]/[USB2]:

Touch to switch to the other connected USB memory device.

⑥ Album artwork:

An image of the CD cover is displayed when available.

⑦ Track number:

This indicates the track number and the total number of tracks.

⑧ [▶]/[⏸]:

Touch to play or pause the track.

⑨ USB menu:

- [Folder/Track]
- [Artists]
- [Albums]
- [Previous List]/[Previous list]
- [Scan]
- [Play Mode]

⑩ Play mode indicator:

This indicates the current play mode. Touch to change the play mode.

Mode	Screen display
[All Track Repeat]/[Repeat All Tracks]	↻All
[1 Folder Repeat]/[Repeat Folder]	↻1 Folder
[1 Track Repeat]/[Repeat Track]	↻1 Track
[All Random]/[MIX All]	⤮All
[1 Folder Random]/[MIX Folder]	⤮1 Folder

⑪ Folder number:

This indicates the folder, artist or album number and the total number of folders/lists.

USB memory device player operation

Activation and playing:

USB memory device mode can be activated from the audio source list and the audio source bar by the touch panel operation or by pushing **<MEDIA>**.

☞ "Selecting audio source" (page 3-21)
☞ "Names and functions of audio control buttons" (page 3-13)

To play the USB memory device, touch [▶], and to pause the USB memory, touch [⏸] on the USB operation screen.

Selecting play list:

Select a play list by touching an icon on the USB menu.

- Folder/Track (List)
- Artist (List)
- Album (List)
- Previous List

Skipping tracks/folders:

Push **<SEEK>**/**<TRACK>**/**<SEEK CAT>**/**< ⏮ >**/**< ⏭ >** or tilt **<ENTER>** on the steering wheel up/down briefly to skip to the next or previous track.

To skip to the next or previous folder, turn **<TUNE/FOLDER AUDIO>**/**<TUNE/📁 ♪>** or tilt and hold **<ENTER>** on the steering wheel.

Fast-forwarding or rewinding:

Push and hold **<SEEK>/<TRACK>/<SEEK CAT>/< |◀◀ >/< ▶▶| >** to fast-forward or rewind the track. Release to play the track at normal speed.

Scanning (if equipped):

Touch [Scan] or push **<SCAN>** to scan the tracks in the USB memory device. While scanning, the USB memory device will play the first 10 seconds of each track and move on to the next track. Touching [Scan] or pushing **<SCAN>** again within the 10 seconds will stop scanning.

Changing play mode:

Touch [Play Mode], [↻] or [⤮] on the display to select the play mode.

Pushing **<SCAN RPT>/<MIX RPT>/<RDM RPT>/<RPT RDM>** can also change the play mode.

iPod PLAYER

Connecting iPod

WARNING:

Do not connect, disconnect or operate the iPod while driving. Doing so can be distracting. If distracted, you could lose control of your vehicle and cause an accident or serious injury.

CAUTION:

- **Do not force the iPod device into the USB connection port. Inserting the iPod cable tilted or upside down into the port may damage the port. Make sure that the iPod cable is connected correctly to the USB connection port.**
- **Do not grab the USB connection port cover (if equipped) when pulling the iPod cable out of the port. This could damage the port and the cover.**
- **Do not leave the iPod cable in a place where it can be pulled unintentionally. Pulling the cable may damage the port.**

Refer to your device manufacturer's owner information regarding the proper use and care of the device.

The battery of the iPod will be charged while the device is connected to the vehicle if the iPod supports USB connection charging.

Depending on the model and firmware version of the iPod, the display on the iPod shows a NISSAN or Accessory Attached screen when the connection is completed. When the iPod is connected to the vehicle, the iPod music library can only be operated using the vehicle audio controls.

USB connection port location:
☞ "Audio accessories" (page 2-11)

Compatibility:

Made for

- iPod touch (5th generation)
- iPod touch (4th generation)
- iPod touch (3rd generation)
- iPod touch (2nd generation)
- iPod touch (1st generation)
- iPod with video
- iPod classic
- iPod nano (7th generation)
- iPod nano (6th generation)
- iPod nano (5th generation)
- iPod nano (4th generation)
- iPod nano (3rd generation)
- iPod nano (2nd generation)
- iPod nano (1st generation)
- iPhone 5S

- iPhone 5
- iPhone 4S
- iPhone 4
- iPhone 3GS
- iPhone 3G
- iPhone

INFO:

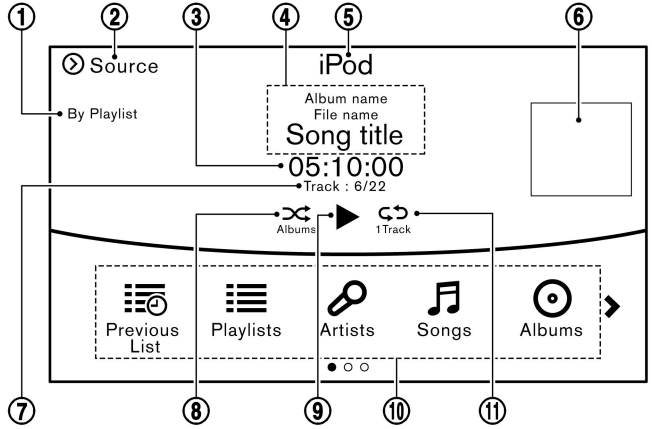
- The iPod touch may not respond quickly with the system in some cases.
- Make sure that the iPod firmware is updated.
- The Lightning connector works with iPhone 5, iPhone 5S, iPod touch (5th generation) and iPod nano (7th generation).

  The 30-pin connector works with iPhone 4S, iPhone 4, iPhone 3GS, iPhone 3G, iPhone, iPod touch (1st through 4th generation), iPod classic and iPod nano (1st through 6th generation).

  USB works with iPhone 5, iPhone 4S, iPhone 4, iPhone 3GS, iPhone 3G, iPhone, iPod touch (1st through 5th generation), iPod classic and iPod nano (1st through 7th generation).

How to view iPod operation screen

Designs and items displayed on the screen may vary depending on models and specifications.



① Search condition indicator:

This indicates the current search condition.

② [Source]:

Touch to switch to the source list screen.

"Selecting audio source" (page 3-21)

③ Play time:

The play time of the track is displayed.

④ Track information:

Track information such as the song title, artist name and album name is displayed.

⑤ Audio source indicator:

This indicates that the iPod is currently selected.

⑥ Album artwork:

An image of the CD cover is displayed when available.

⑦ Track number:

This indicates the current track number and the total number of tracks.

⑧ Shuffle mode indicator:

Touch to change the shuffle mode.

Mode	Screen display
[Shuffle Albums]	Albums
[All songs]	Songs
[OFF]/[Shuffle Off]/[Shuffle OFF]	Off/ OFF

⑨ [▶]/[⏸]:

Touch to play or pause the track.

⑩ iPod menu:

- [Previous List]
- [Playlists]
- [Artists]
- [Songs]
- [Albums]
- [Genres]
- [Composers]
- [Podcasts]
- [Audiobooks]
- [Shuffle]/[MIX]
- [Repeat]

⑪ Repeat mode indicator:

Touch to change the repeat mode.

Mode	Screen display
[All Track Repeat]/[Repeat All Tracks]	All
[1 Track Repeat]/[Repeat Track]	1 Track
[Repeat Off]/[Repeat OFF]	Off/ OFF

iPod player operation

Activation and playing:

Inserting the iPod cable into the connection port will activate the iPod mode.

iPod can also be selected from the audio sources list and the source bar by touch panel operation or by pushing **<MEDIA>**.

☞ "Selecting audio source" (page 3-21)
☞ "Names and functions of audio control buttons" (page 3-13)

To play and pause the iPod, touch [▶]/[⏸] in the iPod operation screen.

Selecting search method:

A list of search methods is displayed in the iPod menu. Touch and select an item to play the iPod in your preferred settings.

Fast-forwarding or rewinding:

Push and hold **<SEEK>/<TRACK>/<SEEK CAT>/< |◀◀ >/< ▶▶| >** to fast-forward or rewind the song. Release to play the song at normal speed.

Changing play mode:

Touch [Shuffle]/[Mix], [Repeat], [ ] or [ ] on the display to select the play mode.

Pushing **<SCAN RPT>/<MIX RPT>/<RDM RPT> /<RPT RDM>** can also change the play mode.

Skipping songs:

Push **<SEEK>/<TRACK>/<SEEK CAT>/< |◀◀ >/< ▶▶| >** or tilt **<ENTER>** on the steering wheel to skip to the next or previous song.

INFO:

Even when iPod and/or iPhone are inserted into both of the two USB connection ports, the system recognizes only one of the connected iPod and/or iPhone at a time.

BLUETOOTH® STREAMING AUDIO

Your vehicle is equipped with Bluetooth® streaming audio.

If you have a compatible Bluetooth® device with streaming audio (A2DP profile), you can set up a wireless connection between your Bluetooth® device and the in-vehicle audio system. This connection allows you to listen to the audio from the Bluetooth® device using your vehicle speakers. It may also allow basic control of the device for playing and skipping audio files using the AVRCP Bluetooth® profile. Not all Bluetooth® devices have the same level of controls for AVRCP. Please consult the manual for your Bluetooth® device for more details.

Wireless LAN (Wi-Fi) and the Bluetooth® functions share the same frequency band (2.4 GHz). Using the Bluetooth® and the wireless LAN functions at the same time may slow down or disconnect the communication and cause undesired noise. It is recommended that you turn off the wireless LAN (Wi-Fi) when using the Bluetooth® functions.

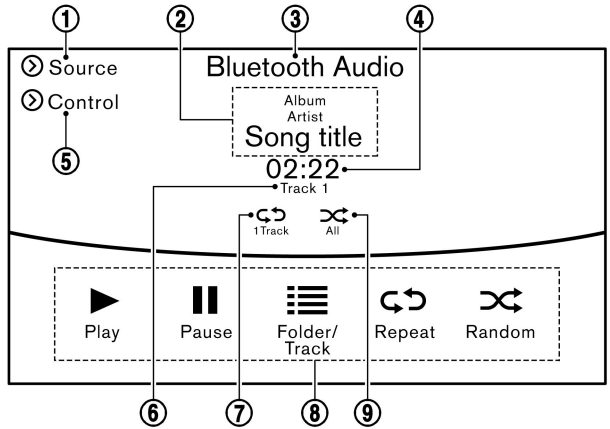
Connecting Bluetooth® streaming audio device

Bluetooth® streaming audio device must be connected to the vehicle before operation.

☞ "Pairing Bluetooth® device" (page 2-29)

How to view Bluetooth® streaming audio operation screen

Designs and items displayed on the screen may vary depending on models and specifications.



① [Source]:

Touch to switch to the source list screen.

☞ "Selecting audio source" (page 3-21)

② Track information:

Track information such as the song title, artist name and folder name is displayed.

③ Audio source indicator:

This indicates that Bluetooth® streaming audio is currently selected among other sources.

④ Play time:

The play time of the track is displayed.

⑤ [Control]:

Touch to display the control screen.

☞ "Bluetooth® streaming audio controls" (page 3-36)

⑥ Track number:

This indicates the track number.

⑦ Repeat mode indicator:

Touch to change the repeat mode.

Mode	Screen display
[All Track Repeat]/[Repeat All Tracks]	All
[1 Folder Repeat]/[Repeat Folder]	1 Folder
[1 Track Repeat]/[Repeat Track]	1 Track
[Repeat Off]/[Repeat OFF]	Off/OFF

⑧ Bluetooth® streaming audio menu:
- [Play]
- [Pause]
- [Folder/Track]
- [Repeat]
- [Random]

⑨ Random mode indicator:
Touch to change the random mode.

Mode	Screen display
[All Random]/[MIX All]	All
[1 Folder Random]/[MIX Folder]	1 Folder
[Random Off]/[Random OFF]	Off/OFF

INFO:

Depending on the audio device that is connected to the vehicle, track information may not be displayed.

Bluetooth® streaming audio operation

The ability to pause, change tracks, fast-forward, rewind, randomize and repeat music may be different between devices. Some or all of these functions may not be supported on each device.

INFO:

- Depending on the Bluetooth® streaming audio device that is connected, it may not be possible to perform audio operations.
- Depending on the Bluetooth® streaming audio device that is connected, a time lag may occur before music is played back.

Activation and playing:

Bluetooth® streaming audio can be selected from the audio sources list by touching [Source] or by pushing **<MEDIA>**.
"Selecting audio source" (page 3-21)
"Names and functions of audio control buttons" (page 3-13)

To play the Bluetooth® streaming audio device, touch [Play] and to pause the Bluetooth® streaming audio device, touch [Pause] in the Bluetooth® steaming audio menu.

Selecting folder/track:

Touch [Folder/Track] to select a folder/track.

Changing play mode:

Touch [Repeat], [Random], [ ] or [ ] on the display to change the play mode.

Pushing **<SCAN RPT>/<MIX RPT>/<RDM RPT>/<RPT RDM>** can also change the play mode.

Fast-forwarding or rewinding:

Push and hold **<SEEK>/<TRACK>/<SEEK CAT>/< ◀◀ >/< ▶▶ >** to fast-forward or rewind the song. Release to play the song at normal speed.

Skipping songs/folders:

Push **<SEEK>/<TRACK>/<SEEK CAT>/< ◀◀ >/< ▶▶ >** or tilt **<ENTER>** on the steering wheel to skip to the next or previous song.

Turn **<TUNE/FOLDER AUDIO>/<TUNE/ ♪>** to skip to the next or previous folder.

Bluetooth® streaming audio controls

Touch [Control] on the Bluetooth® streaming audio operation screen to display the control screen.

[Connect Device]/[Pair Device]	Touch to connect a new Bluetooth® device.
[Select Audio Device]/[Select Device]	Touch to select a different Bluetooth® streaming audio device from a list of registered Bluetooth® devices. ☞ "Bluetooth® settings" (page 2-29)

AUXILIARY (AUX) DEVICES (if equipped)

Precautions

In some countries, images cannot be displayed in the vehicle at any time for regulatory reasons.

Connecting auxiliary devices

The auxiliary audio input jack accepts any standard analog audio input such as from a portable cassette player, CD player or MP3 player.

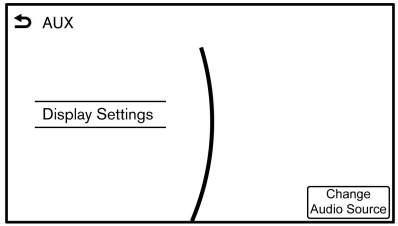
A video player can be connected to the auxiliary video input jack to play movies.

Auxiliary audio input jack location:
☞ "Audio accessories" (page 2-11)

INFO:

Insert a 3.5 mm (1/8 in) stereo mini plug in the audio input jack. If a cable with a mono plug is used, the audio output may not function normally.

How to view AUX operation screen



Touch [Display Settings] to adjust the display settings.

Touch [Change Audio Source] to display the source select screen.
☞ "Selecting audio source" (page 3-21)

Designs and items displayed on the screen may vary depending on models and specifications.

INFO:

In some countries, images cannot be displayed on the in-vehicle system at any time for regulatory reasons and a different AUX operation screen with a key only for source change is available.

AUX operation

Activation and playing:

Turn on an AUX device.

Connecting an AUX device into the jack will activate the AUX mode.

AUX can be selected from the other audio sources by touching [Source] or by pushing **<MEDIA>**.
☞ "Selecting audio source" (page 3-21)
☞ "Names and functions of audio control buttons" (page 3-13)

AUDIO SETTINGS

Audio settings can be adjusted or audio related functions can be turned on/off using the following procedure. Some of the setting items may not be displayed when the audio system is turned off.

Available setting items may vary depending on models and specifications.

1. Push **<SETTING>**.
2. Touch [Audio].

The following setting items are available:

- **[Sound Settings]**

Setting Items	Action
[Bass]	Adjust the speaker tone quality and sound balance by touching [+]/[-], [L]/[R] or [R]/[F].
[Treble]	
[Balance]	
[Fader]/[Fade]	
[Speed Sensitive Vol]	This automatically adjusts the volume depending on the vehicle speed. Touch [+]/[-] to change the sensitivity level.

- **[Album Cover]/[Display Album Cover Art]**

  Turn this item on to display image files from the media device. If the media device does not contain images, no image will be displayed.
- **[Broadcast Method]**

  Select broadcast method from [AUTO], [PAL] and [NTSC].
- **[Radio Settings]**

Setting Items	Action
[TA Interrupt]	This setting item is for both FM and DAB radio. When this item is turned on, received TA (Traffic Announcement) will interrupt the audio source that is playing. In some cases, there may be no sound if your vehicle is in an area where it is difficult to receive a radio signal, because DAB is broadcast digitally.
[News Interrupt]	This setting item is for both FM and DAB radio. When this item is turned on, received News PTY will interrupt the audio source that is playing.

[DAB-DAB Tracking]	This setting item is for DAB only. When this item is turned on, the system searches for and re-tunes to an alternative DAB station that offers the same programme with better reception. In some cases there may be no sound when this function is active.
[DAB-RDS Link]	This setting item is for DAB only. When this item is turned on, the system searches for and tunes to an alternative RDS station that offers the same programme with better reception if the DAB signal cannot be tuned to or the receiving DAB signal becomes weak. In some cases there may be no sound when this function is active.
[Region Settings]	This setting item is for DAB only. When this items is turned on, the system will allow interruption of a DAB station only if it contains regional information announcements.
[L-band setting]	This setting item is for DAB only. When this item is turned on, the system will search from both L-band and Band III which requires extra time for searching. Turn this item off to exclude L-band from the station search.
[AF]	This setting item is for FM only. When this item is turned on, the system searches for and re-tunes to an alternative FM station that offers the same programme with better reception.
[REG (Regional)]	This setting item is for FM only. When this item is turned on, the system searches for and re-tunes to an alternative FM station that offers the same programme with better reception within the same region. The searching and the re-tuning is executed regardless of the region if this item is turned off.

- **[DVD Settings]**

Setting Items	**Action**
[Angle]	Images and movies can be viewed in different angles if the DVD contains this data. Switch the angle number by touching [+]/[-].
[CM Skip]	Select commercial skip length from 15, 30, and 60 seconds.
[DRC]	Select the DRC (Dynamic Range Compression) setting from OFF, 1 and 2. DRC allows tuning of the dynamic range of sound recorded in the Dolby Digital format.
[Angle Mark]	Turn the angle mark display on/off. When this item is turned on, “Multi Angle” will be displayed on the DVD screen.
[Menu Skip]	DVD menus are automatically configured and the contents will be played directly when this item is turned on. Note that some discs may not be played directly even if this item is turned on.

[DOWN MIX]	When this item is turned on, a multi-channel recording will be converted to a traditional two channel (stereo) recording.
[DVD Language]	Enter the language code of the preferred language.
[Language]	Changeable items will vary depending on types of DVD. For DVD-V: The audible language can be changed by touching [+]/[-]. For Video CD: Select the sound setting from Main audio, Sub audio and Main/Sub audio. For DVD-VR: Select the sound setting from Main audio 1, Sub audio 1, Main/Sub audio 1, Main audio 2, Sub audio 2, and Main/Sub audio 2.
[Subtitle]	The subtitle language can be changed by touching [+]/[-].
[DVD Screen Settings]	Touch to adjust the DVD aspect ratio.
[PG/PL Mode]	Touch to switch the PG/PL mode setting.

INFO:

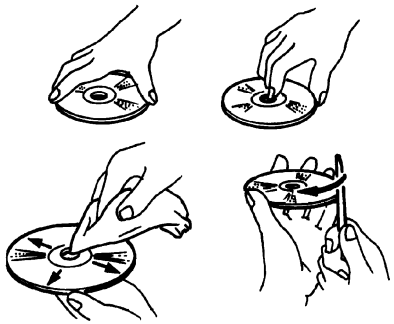
The available setting items differ depending on the DVD.

- **[AUX Settings]**

Setting Items	Action
[AUX Image Display]	The image display size setting can be selected from [Normal], [Wide] and [Cinema].
[Volume Setting]	The volume setting can be selected from [Low], [Medium] and [High].

DISC/USB MEMORY DEVICE CARE AND CLEANING

DISCS



- Handle a disc by its edges. Never touch the surface of the disc. Do not bend the disc.
- Always place discs in their storage cases when they are not being used.
- To clean a disc, wipe the surface from the center to the outer edge using a clean, soft cloth. Do not wipe the disc using a circular motion.

  Do not use a conventional record cleaner or alcohol intended for industrial use.
- The inner and outer edges of a new disc may be rough. Remove the rough edges by rubbing the inner and outer edges with the side of a pen or pencil as illustrated.

USB MEMORY DEVICE

- Never touch the terminal portion of the USB memory device.
- Do not place heavy objects on the USB memory device.
- Do not store the USB memory device in very humid locations.
- Do not expose the USB memory device to direct sunlight.
- Do not spill any liquids on the USB memory device.

Refer to the owner's manual for the USB memory device for details.

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MOBILE ENTERTAINMENT SYSTEM (MES) (if equipped)

If your vehicle is equipped with the Mobile Entertainment System (MES), you can enjoy playing audio and movie files on the rear displays with images and sound.

Playable source:

- DVD (if equipped)
- AUX device (if equipped)
- USB device (connected to the rear USB connection port)
- HDMI device

The front and left/right rear displays can show different sources individually.

Disc slot location:
☞ "Names and functions of audio control buttons" (page 3-13)

Auxiliary input jack location (if equipped):
☞ "Audio accessories" (page 2-11)

Rear media interface (USB and HDMI connection ports) location:
☞ "Rear media interface" (page 3-56)

WARNING:

The driver must not attempt to operate the Mobile Entertainment System while driving so full attention may be given to vehicle operation.

CAUTION:

- **Do not attempt to use the system in extremely high or low temperature conditions [below -20°C (-4°F) or above 70°C (158°F)].**
- **To avoid draining the vehicle battery (12V battery), do not operate the system for more that 15 minutes without starting the engine or the hybrid system.**

The front display is designed to not show images during driving, as the driver's attention must be given to vehicle operation for safety. Sounds are still audible. To show images on the front display, stop the vehicle in a safe location, move the shift lever to the "P" (Park) position and apply the parking brake.

PRECAUTIONS

Start the engine or the hybrid system when using the Mobile Entertainment System.

WARNING:

The driver must not attempt to operate the Mobile Entertainment System or wear the headphones while the vehicle is in motion so that full attention may be given to vehicle operation.

Park the vehicle in a safe location and apply the parking brake to view the images on the front touch screen display with the Mobile Entertainment System.

CAUTION:

- **Only operate the Mobile Entertainment System while the engine or the hybrid system is running. Operating the Mobile Entertainment System for extended periods of time with the engine or the hybrid system turned off can discharge the vehicle battery (12V battery).**
- **Do not allow the system to get wet. Excessive moisture, such as spilled liquids, may cause the system to malfunction.**
- **While playing VIDEO-CD media, this system does not guarantee complete functionality of all VIDEO-CD formats.**

TECHNICAL INFORMATION

USB media support

Supported USB media:

USB 1.1	Low Speed (1.5 Mbps), Full Speed (12 Mbps)
USB 2.0	Low Speed (1.5 Mbps), Full Speed (12 Mbps), High Speed (480 Mbps)

Mass Storage Support:

The Mobile Entertainment System recognizes the connected USB media as a mass storage device.

Supported file systems and partition:

The first partition of the following file systems are supported.

- NTFS
- FAT32
- FAT16
- HFS+

Supported folder structure:

Folders	1,000 folders maximum
Files	10, 000 files maximum
Pass length	3072 characters maximum
Full name length	232 characters maximum
Folder levels	11 levels maximum (when root is regarded as level 0)

Supported format and decode:

Video codec

Codec	**Profile**	**Maximum Resolution/Frame Rate**	**Notes**
DivX	DivX 3.11/4/5/6	SD (720 x 576)/30	Only single-instance playback is supported for DivX 3.11.
Flash	-	1080 p/30	-
H.263	-	1080 p/30	-
H.264	BP/MP/HP	1080 p/30	Extended file is not supported.
MPEG-1	-	1080 p/30	-
MPEG-2	MP@ML	1080 p/30	-
MPEG-4	SP/ASP	1080 p/30	-
Real Video	RV8/9/10	1080 p/30	-
XviD	-	SD (720 x 576)/30	-
WMV7/8	-	D1/30	HD version is not provided. Only single instance playback is supported for WMV7/8
WMV9/VC-1	SP/MP/AP	1080 p/30	Complex Profile not supported.

Audio codec

Codec	Supported Bitrates	Sampling Frequency	Channels	Codec Features Supported
AAC (MPEG4 AAC-LC)	8 kbps - 320 kbps	8, 11.025, 16, 22.05, 24, 32, 44.1, 48 KHz	Mono/Stereo/5.1-> Stereo Downmixing	- Complies with ISO/IEC 13818-7 - ADTS/ADIF Output - Modes: Mono, Stereo, Dual Mono, Joint Stereo (Intensity Stereo (IS) and Mid-side Stereo (MS)) - All tools of 13818-7 LC + PNS are supported - CRC check is supported - Header formats: AAC, ADIF, ADTS
AAC+ (ENHANCED AAC +)	Up to 264 kbps	Up to 48 KHz	Mono/Stereo	- Modes: Mono, Stereo, Dual Mono - Header formats: ADIF, ADTS
Linear PCM	-	Up to 48 KHz	Stereo	Max 16bit only
RealAudio (3, 6, 9, 10)	6 to 96 kbps	8, 11.025, 22.05, 44.1 KHz	Mono/Stereo	Downmixing is not supported.
Dolby Digital	64 to 640 kbps	48 KHz	Mono/Stereo/5.1 -> Stereo Downmixing	Modes: Mono, Stereo, 5.1 -> Stereo Downmixing
MP3	32 to 320 kbps (MPEG-1 Layer 1,2,3) 8 to 160 kbps (MPEG-2 Layer 1,2,3)	8/11.025/12 KHz (MPEG-2.5) 16/22.05/24 KHz (MPEG-2) 32/44.1/48 KHz (MPEG-1)	Mono/Stereo	- Complies with ISO 11172-3 and ISO 13818-3 - Modes: Mono, Stereo, Dual Mono, Joint Stereo (Intensity Stereo (IS) and Mid-side Stereo (MS)) - CRC check is supported
OGG Vorbis	Up to 128 kbps	8 to 48 KHz	Mono/Stereo	-

Codec	Supported Bitrates	Sampling Frequency	Channels	Codec Features Supported
WMA v9 (std) WMA v10 (std)	Up to 384 kbps	Up to 48 KHz	Mono/Stereo	- Decodes WMA streams generated using encoder v2, v7, v8, v9, v10 content. - Supports all L1, L2, and L3 profiles.

Depending on the combination of video codec, audio codec, and format, some files cannot be played with the Mobile Entertainment System.

Combinations of video/audio codecs and playable file extensions:

Video	Audio Codec	Extension
H.263	AAC	".3gp", ".3g2"
H.264	AAC	"avi", ".3gp", ".3g2", ".mp4", ".m4v", ".divx", ".mov"
	AAC+	".avi", ".3gp", ".3g2", ".mp4", ".m4v", ".divx", ".mov"
	Linear PCM	".avi", ".divx"
	Dolby Digital	".avi", ".mp4", ".m4v", ".divx", ".mov", ".m2ts", ".mts"
	MP3	".avi", ".flv", ".mp4", ".m4v", ".divx", ".mov"
	WMA	".avi", ".divx"
Divx	AAC	".avi", ".divx"
	Linear PCM	".avi", ".divx"
	Dolby Digital	".avi", ".divx"
	MP3	".avi", ".divx"
	WMA	".avi", ".divx"

Video	Audio Codec	Extension
XviD	AAC	".avi", ".mp4", ".m4v", ".divx", ".mov"
	AAC+	".avi", ".mp4", ".m4v", ".divx", ".mov"
	Linear PCM	".avi", ".divx"
	Dolby Digital	".avi", ".mp4", ".m4v", ".divx", ".mov"
	MP3	".avi", ".mp4", ".m4v", ".divx", ".mov"
	WMA	".avi", ".divx"
MPEG-1	AAC	".avi", ".mp4", ".m4v", ".divx", ".mov"
	AAC+	".avi", ".mp4", ".m4v", ".divx", ".mov"
	Linear PCM	".avi", ".divx"
	Dolby Digital	".avi", ".mp4", ".m4v", ".mpg", ".divx", ".mov"
	MP3	".avi", ".mp4", ".m4v", ".mpg", ".mpeg", ".divx", ".mov"
	WMA	".avi", ".divx"
MPEG-2	AAC	".avi", ".mp4", ".m4v", ".divx"
	AAC+	".avi", ".mp4", ".m4v", ".divx"
	Linear PCM	".avi", ".divx"
	Dolby Digital	".avi", ".mp4", ".m4v", ".mpg", ".divx"
	MP3	".avi", ".mp4", ".m4v", ".mpg", ".divx"
	WMA	".avi", ".divx"

Video	Audio Codec	Extension
MPEG-4	AAC	".avi", ".3gp", ".mp4", ".m4v", ".divx", ".mov"
	AAC+	".avi", ".3gp", ".mp4", ".m4v", ".divx", ".mov"
	Linear PCM	".avi", ".divx"
	Dolby Digital	".avi", ".mp4", ".m4v", ".divx", ".mov"
	MP3	".avi", ".mp4", ".m4v", ".divx", ".mov"
	WMA	".avi", ".divx"
WMV7/8	AAC	".avi", ".divx"
	Linear PCM	".avi", ".divx"
	Dolby Digital	".avi", ".divx"
	MP3	".avi", ".divx"
	WMA	".avi", ".wmv", ".divx"
WMV9/VC-1	Linear PCM	".avi", ".divx"
	Dolby Digital	".avi", ".divx"
	MP3	".avi", ".divx"
	WMA	".avi", ".wmv", ".divx"
Flash	MP3	".flv"
Real Video	Real Audio	".rmvb", ".rm"

Video	Audio Codec	Extension
Without Picture (Audio only)	AAC	".m4a", ".aac"
	AAC+	".m4a", ".aac"
	Linear PCM	".wav", ".aiff"
	Dolby Digital	".m4a", ".ac3"
	MP3	".mp3", ".m4a"
	Ogg Vorbis	".ogg"
	WMA	".wma"

Apple support

When an iPhone, iPad, or iPod is connected, the Mobile Entertainment System will play music with the iPod technology and initiate quick charging (up to 2.1 A). The following Apple products are supported:

- iPhone 5s (iOS 7.0.4)
- iPhone 5c (iOS 7.1)
- iPhone 5 (iOS 6.1.4)
- iPhone 4S (iOS 5.1.1)
- iPhone 4 (iOS 7.1)
- iPhone 3GS (iOS 6.1.6)
- iPhone 3G (iOS 4.2.1)
- iPad (4th generation) (iOS 7.0.4)
- iPad (3rd generation) (iOS 6.0)
- iPad (2nd generation) (iOS 6.0)
- iPad (1st generation) (iOS 5.1.1)
- iPad Air (iOS 7.0.4)
- iPad mini (2nd generation) (iOS 7.0.4)
- iPad mini (1st generation) (iOS 7.0.4)
- iPod touch (5th generation) (iOS 6.1.3)
- iPod touch (4th generation) (iOS 6.1.3)
- iPod touch (3rd generation) (iOS 5.1.1)
- iPod touch (2nd generation) (iOS 4.2.1)
- iPod touch (1st generation) (iOS 3.1.3)
- iPod nano (7th generation) (Firmware version 1.0.2)
- iPod nano (6th generation) (Firmware version 1.2)
- iPod nano (5th generation) (Firmware version 1.0.2)
- iPod nano (4th generation) (Firmware version 1.0.3)
- iPod nano (3rd generation) (Firmware version 1.1.2)
- iPod nano (2nd generation) (Firmware version 1.1.3)
- iPod nano (1st generation) (Firmware version 1.3.1)
- iPod classic (160 GB) (End 2009) (Firmware version 2.0.4)
- iPod classic (120 GB) (Firmware version 2.0.1)
- iPod classic (Firmware version 1.1.2)

Made for iPod iPhone iPad

"Made for iPod," "Made for iPhone," and "Made for iPad" mean that an electronic accessory has been designed to connect specifically to iPod, iPhone, or iPad, respectively, and has been certified by the developer to meet Apple performance standards. Apple is not responsible for the operation of this device or its compliance with safety and regulatory standards. Please note that the use of this accessory with iPod, iPhone, or iPad may affect wireless performance.

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Sorenson Spark Video decoder:

This product contains an officially licensed Sorenson Spark optimized video decoder licensed from Sorenson Media, Inc.

Natune surround sound:

natune
SURROUND SOUND

Natune surround sound is a general term for the family of the latest acoustic signal processing technology produced by DiMAGIC Co., Ltd.

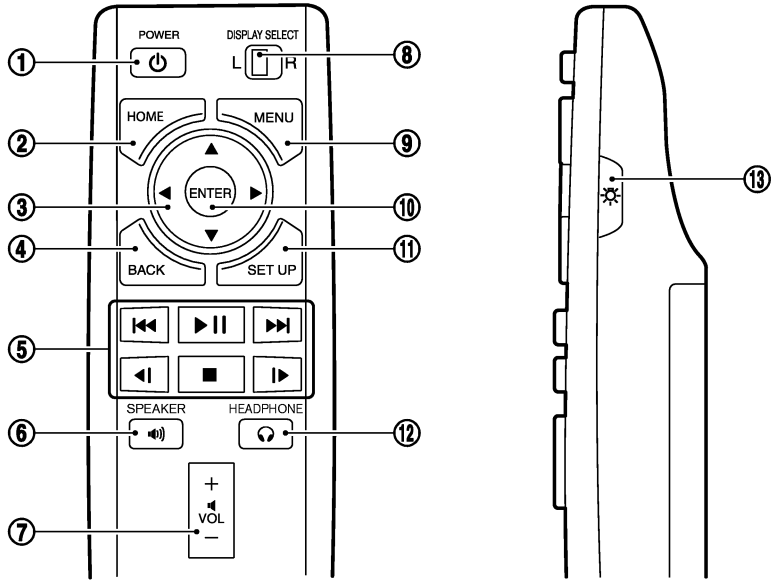
REMOTE CONTROLLER AND HEADPHONES

Remote controller

A remote controller is provided with the Mobile Entertainment System.

The remote controller is for the rear display operation and cannot be used to control portable devices.

The following buttons/switches are on the remote controller.



① **< ⏻ >**:

Push to activate or deactivate the rear displays individually.

② **<HOME>**:

Push to display the HOME screen. Select the media from the DVD (if equipped), USB, HDMI and AUX (if equipped) interface device.

③ **< ▲ >, < ▼ >, < ◀ >, < ▶ >**:

Push the select buttons to select the items displayed on the rear screens.

④ **<BACK>**:

Push to go back to the previous screen.

⑤ Keypad:

Push the keys below for operations.

Key	Operations
< ▶II >	Push to play or pause the movie.
< ■ >	Push to stop playing the movie.
< ▶▶I >	Push to select the next chapter. Push and hold to fast-forward the movie.
< I◀◀ >	Push once to return to the beginning of the current chapter. Push again to select the previous chapter. Push and hold to rewind the current movie.

< ▶| >	Push to fast-forward skipping a number of seconds (for DVD-VIDEO).
< |◀ >	Push to rewind skipping a number of seconds (for DVD-VIDEO).

⑥ **<SPEAKER>**:

Push to turn on all of the in-vehicle speakers.

⑦ Volume control button **< + >/< − >**:

Push to adjust the speaker volume.

⑧ **<DISPLAY SELECT>**:

Slide the switch to the side corresponding to the screen you wish to operate (L or R).

⑨ **<MENU>**:

Push to display the operation screen for the source that is being played.
☞ "Menus" (page 3-57)

⑩ **<ENTER>**:

Push to execute the selected item.

⑪ **<SET UP>**:

Push to display the Mobile Entertainment System settings.
☞ "Setting and information" (page 3-58)

⑫ **<HEADPHONE>**:

Push to turn on the sound from the headphones and turn off the speakers.

⑬ **<☼>**:

Push to turn on the backlighting of the remote controller buttons.

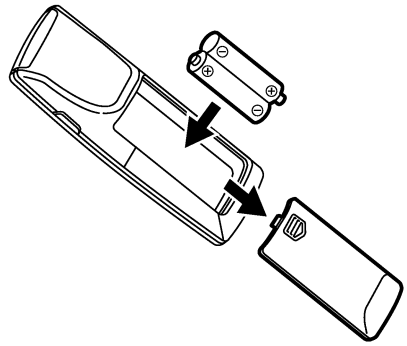
Battery replacement:

CAUTION:

- **An improperly disposed battery can harm the environment. Always confirm local regulations for battery disposal.**
- **When changing the batteries, do not let dust or oil get on the components.**

NOTE:

Change the batteries of the remote controller when it does not function properly.

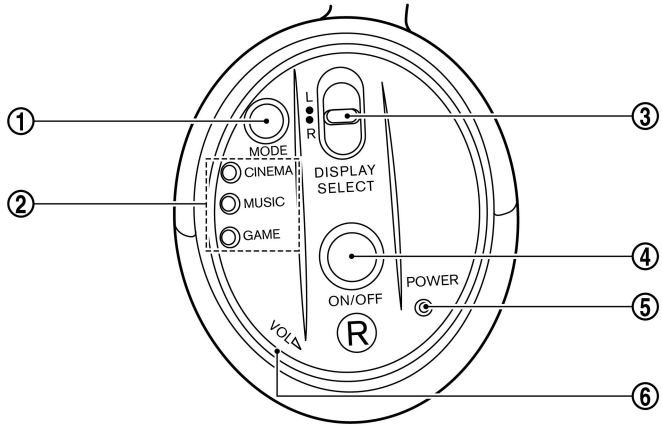


To replace the battery:

1. Open the lid as illustrated above.
2. Replace both batteries with new ones.
   - Recommended battery: Size AA x 2
   - Be careful not to touch the battery terminal.
   - Make sure that the ⊕ and ⊖ ends on the batteries match the markings inside the compartment.
3. Close the lid securely.
   - If you will not be using the remote controller for long periods of time, remove the batteries.
   - Replacement of the batteries is needed when the remote controller only functions at extremely close distances to the Mobile Entertain-

ment System or when it does not function at all.

Headphones



Two wireless headphones are provided with the Mobile Entertainment System. The headphones can only be used in the rear seats.

① **<MODE>**:

Push to select a surround audio mode optimal for the media. Three types of virtual surround modes supported by Natune surround sound technology are available. When the surround audio modes are turned off, a regular 2.0 ch stereo mode is applied.

CINEMA:

Optimum mode for movies. Provides powerful surround audio as if you are in a theater.

MUSIC:

Provides natural and clear sounds with stability optimal for listening to music.

GAME:

Provides realistic sounds for playing games with bass enhanced sounds.

② Mode indicators:

The selected surround audio mode will illuminate.

③ **<DISPLAY SELECT>**:

Slide this switch to select which of the audio sources to listen to when the rear displays are playing different sources.

L: The headphone will play audio from the source playing on the left display.

R: The headphone will play audio from the source playing on the right display.

④ **<ON/OFF>**:

Push to turn the headphones on or off.

⑤ Power ON/OFF indicator:

Illuminates when the headphones are turned on.

⑥ **<VOL>**:

Turn to adjust the volume.

Operating tips:

- The headphones will automatically turn off after several minutes if there is no audio output during that period. The headphones will also turn off after approximately 4 hours of continuous use. To prevent the battery from being discharged, keep the power turned off when not in use.

- If the sound from the headphones is not clear, it may be due to interference from an infrared communication device or a cellular phone. If this happens, turn down the headphone volume or stop using the headphones. It is also possible that the headphones may be too far or offset from the transmitter which is in the rear display screen. Use the headphones in front of the rear display.
- The sound may also be interrupted temporarily when there is something between the headphones and the transmitter causing interference. Move the source of interference, such as opaque materials, hands, hair, etc.

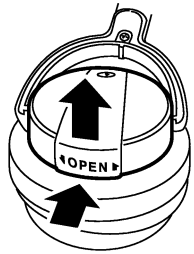
Battery replacement:

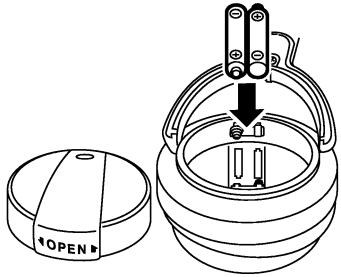
CAUTION:

- **An improperly disposed battery can harm the environment. Always confirm local regulations for battery disposal.**
- **When changing the batteries, do not let dust or oil get on the components.**

NOTE:

Change the batteries of the headphones when they stop functioning while playing or when noise is produced.



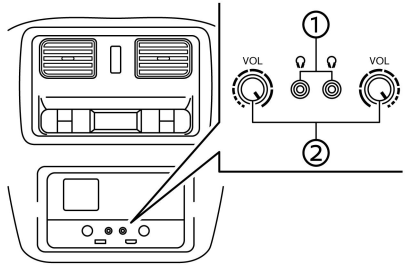


1. Open the lid as illustrated above.

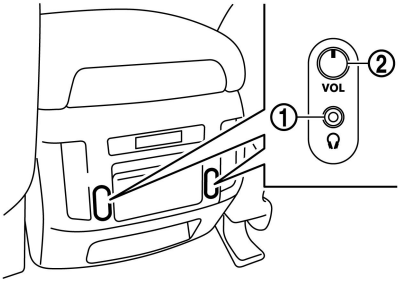
   For headphones, use a flat object, such as a coin, if necessary, to open the lid located on the back of the left headphone speaker.

2. Replace both batteries with new ones.
   - Recommended battery: Size AAA x 2
   - Be careful not to touch the battery terminal.
   - Make sure that the ⊕ and ⊖ ends on the batteries match the markings inside the compartment.
3. Close the lid securely.

Audio jacks for wired headphones



Type A



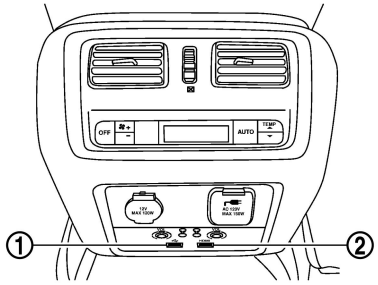
Type B

Commercially available headphones can also be used by connecting them to the headphone jacks ① located at the rear of the center console box.

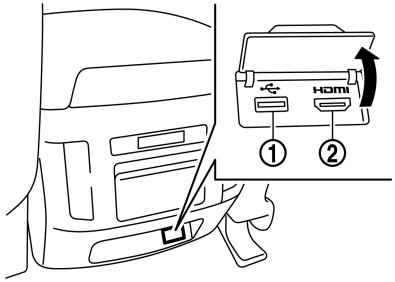
To adjust the volume of the wired headphone, push **<VOL>**② on the corresponding side (left/right) to pull out the knob which can be rotated to turn up or down the volume.

Push **<VOL>**② back in when it is not in use.

REAR MEDIA INTERFACE



Type A



Type B

Ports for the USB① and HDMI② are located at the rear of the center console box.

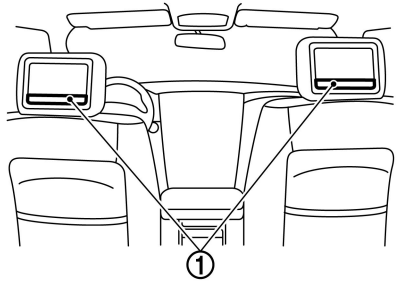
Compatible devices connected to the ports can be played on the rear displays.

Turn off the power of the portable device before connecting to the port.

NOTE:

Do not apply strong pressure to any portable device (such as a USB memory device) or cable that is connected to the USB connection port or the HDMI port. It could damage the device and the ports.

ACTIVATING REAR DISPLAYS



CAUTION:

- **The glass on the display screens may break if hit with a hard or sharp object. If the glass breaks, do not touch the liquid crystalline material. In case of contact with skin, wash immediately with soap and water.**
- **Applying pressure to the display screens may damage it.**
  ☞ "Care and maintenance" (page 3-61)

The rear displays are located on the back of the front head restraints.

Use the remote controller to operate the rear display screens.

☞ "Remote controller" (page 3-52)

Select the left or right rear display using **<DISPLAY SELECT>** on the remote controller and push **< ⏻ >** to activate the corresponding rear display. When the display is turned on, a green indicator on the lower corner of the display will illuminate.

The lower part of the rear displays ① functions as a signal receiver/transmitter for the remote controller and wireless headphones, and should not be blocked or covered.

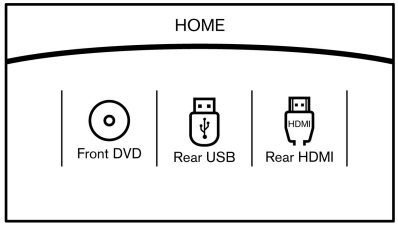
Turning the rear displays on/off can also be done on the front display.

☞ "Controlling the rear system on the front display" (page 3-59)

NOTE:

- **The rear displays may turn off automatically when the temperature is high to protect the display screens from being damaged.**
- **The movement of the images displayed on the rear displays could slow down when the temperature is below 0°C (32°F) but this is not a malfunction. The movement will return to normal when the temperature rises between 0°C (32°F) and 50°C (122°F).**
- **The following conditions may occur but these are characteristics of the crystal display and are not malfunctions:**
  - **Black spots, bright spots and afterimages appear on this display.**
  - **The screen appears faint or dimmed depending on the angle viewed.**

OPERATIONS ON REAR DISPLAYS



Example

Use the remote controller and take the following steps to operate the rear displays from the rear seats:

1. Turn on the rear displays using **< ⏻ >** on the remote controller.
2. Push **<HOME>** and select a source from the DVD (if equipped), AUX (if equipped), USB or HDMI interface devices.

   When USB is selected for the first time after the USB device is connected, select a file you wish to play from the File Browser screen.

Menus

Push **<MENU>** on the remote controller to display the operation screen for the source that is playing. Select and adjust the preferred items. The available menu items differ depending on the selected source.

Available menu items:

- [Speaker Output]
  When this item is turned on, the audio of the source playing on the corresponding rear display will be output to the vehicle speakers.
- [Top Menu] (DVD only)
  Select to display the top menu screen.
- [Title Menu] (DVD only)
  Menus specific to each disc will be shown. For details, see the instructions attached to the disc.
- [Title Search] (DVD only)
  A scene that belongs to a specified title will be displayed each time [+] side or [—] side is selected.
- [10 Key Search] (DVD only)
  Select [10 Key Search] to display the number entry screen. Enter the number you want to search for and select [OK] with the remote controller. The selected Title/Chapter will be played.
- [Audio] (DVD, USB (DivX®) only)
  Select a preferred settings for the

audio output.

- [Subtitle] (DVD, USB (DivX®) only)
  Choose the preferred subtitle language setting.
- [Angle] (DVD only)
  If the DVD contains data of different angles, the angle of the image can be changed.
- [File Browser] (USB only)
  The data contained in the USB can be browsed. The tracks are automatically categorized by playlists, songs, artists, composers, genres, etc.
- [Play Mode] (USB only)
  Select a preferred play mode from [Normal]/[Repeat]/[Shuffle].
- [Aspect Ratio]
  Aspect can be selected from Normal, Wide, Cinema and Full.
- [Select No.] (Video-CD only)
  Select a section number you wish to play.

SETTING AND INFORMATION

Various settings for the Mobile Entertainment System, such as aspect ratio, language, etc., can be changed on the rear displays.

Push **<SET UP>** on the remote controller and select the preferred item to change the rear display settings and to view the system information.

Available items:

- [System Settings]
- [Display Settings]
- [Information]

System settings

To change the settings of the Mobile Entertainment System, push **<SET UP>** on the remote controller and select [System Settings].

Select the preferred item and adjust the setting using the remote controller.

Available items:

- [Aspect Ratio]
  Select the image size from normal, wide, cinema and full.
- [Language]
  The language displayed on the screen can be changed. Select [Manual] and then select a preferred language from the list. To apply the same language that is applied to the front display, select [Auto].
  The language of the rear menu screens can be set independently from the front display. The rear display language settings will be applied to both the rear left and rear right displays.
- [Operation Guide]
  When this item is turned on, an explanation for the menu highlighted on the screen will appear at the bottom of the screen.
- [DivX(R) VOD]
  DivX® VOD license information can be viewed.

Display settings

To change the rear display settings, push **<SET UP>** on the remote controller and select [Display Settings].

Select the preferred item and adjust the setting using the remote controller.

Available items:

- [Display Adjustment]
  - [Picture Mode]
    Select image quality from normal, dynamic, cinema and game.
  - [Auto Bright]
    Select from normal, bright, off and dark. The brightness of the screen is adjusted automatically according to the brightness inside the vehicle compartment. The sensor is located on the right side corner of the rear displays.
  - [Brightness]/[Tint]/[Contrast]/[Color]/[Black Level]
    Adjust the levels using **< ◀ >** or **< ▶ >** on the remote controller.
  - [Default]/[Initialization]
    Select this item to reset the screen settings to the default value.
- [Automatic Detail Enhancement]

The enhancement of the contrast for details can be adjusted automatically with this function. Select the level of the function from high, medium and low.

- [Super Resolution]
  Blurred images with a low resolution can be converted and adjusted into more crisp, clearer images. Select the level of the function from high, medium and low.
- [Automatic Contrast Adjustment]
  Objects in dark images that are difficult to view can be adjusted and enhanced automatically for clearer viewing. Select the level of the function from high, medium and low.
- [Noise Reduction]
  With the noise reduction function, block noise that accompanies images can be reduced. Select the level of the function from high, medium and low.

Software information

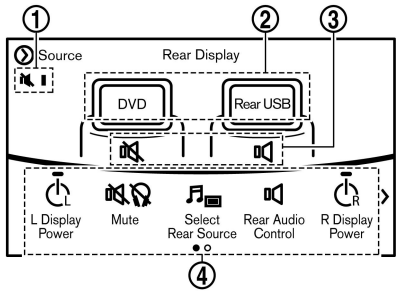
To display the software information of the Mobile Entertainment System, push **<SET UP>** on the remote controller and select [Information].

CONTROLLING THE REAR SYSTEM ON THE FRONT DISPLAY

To control the rear displays and the rear speakers on the front display, push **<AUDIO>** on the control panel when the audio screen is displayed, and then touch [Rear Display].

☞ "Selecting audio source" (page 3-21)

The Mobile Entertainment System screen will appear on the front display, allowing the system to be controlled from the front seats.



① Status display icons:

Status of the speakers and the remote controller is shown in icons. Touch the icons to change the setting.

② Source selection indicator:

Displays the currently selected source on the corresponding rear display. Touch the left/right rear display icon to display the operation screen. The currently selected source on the corresponding rear display can be operated from the screen.

③ Speaker status indicator:

Indicates which of the audio sources is selected to be heard from the speaker. Touch to show the Rear Audio Control screen and change the speaker setting.

④ Setting menu:

Various settings can be changed. Touch a preferred menu to change the setting.

Available setting menu items:

- [L Display Power]/[R Display Power]
  Touch to turn on or off the rear display on the left/right side.
- [Mute]
  Touch to mute or unmute all the speakers and the headphones.
- [Select Rear Source]
  Touch to display the Select Rear Source screen. Select [Left Screen] or [Right Screen] and then select a source to be played on the screen.
- [Rear Audio Control]
  Touch to display the Rear Audio Control screen to select a sound setting from the following items:
  — [Headphones Only]

— [Listen to Audio from Left Display]

— [Listen to Audio from Right Display]

- [Source Control]:
  Touch to display the operation screen for the currently selected source. Touch [Left Screen] or [Right Screen] to select which of the rear displays you wish to operate.
- [Remote Controller Lock]:
  Touch to lock or unlock the remote controller operation.
  When the ignition switch is placed in the OFF or LOCK position, the remote controller will be unlocked.
- [Rr Speaker Mute]:
  Touch to mute or unmute the rear speakers.
- [Auto Display Power ON]:
  Touch to turn on or off the setting for automatic power on setting. When this item is turned on, both the left and right rear displays will turn on automatically when the DVD (if equipped) is inserted into the front unit and the movie will start to play.

OPERATING TIPS

- The rear USB and the rear HDMI cannot be played on the front screen.
- Devices connected to the USB connection port for the front display cannot be played on the rear displays.
- When connecting a device to the USB connection port for the first time, the system structures the file list and this could slow down the operation speed. This is not a malfunction.
- The operation speed of the system could slow down when the left and right displays play different files from the same device connected to the USB connection port. This is not a malfunction.
- Images from DVDs (if equipped) or devices connected to the USB connection port may not be displayed in an adequate ratio depending on the resolution. To correct the ratio, adjust the aspect using the remote controller.
  ☞ "System settings" (page 3-58)
- If a computer with an HDMI output terminal is connected to the HDMI input terminal, the computer may not automatically shift to the output mode. To view images on the rear displays, operate the computer and change the mode to the output mode according to the computer owner's manual.
- Depending on the USB memory device, the image may not start playing upon activation or connection of the device to the USB connection port. In that case, remove and reinsert the USB memory device into the port.

Multiple source display

It is possible to play different sources on each display

Refer to the following table of example combinations.

Playback combinations by media:

Rear Display (L)	Rear Display (R)	Availability of playback on the left and right display
DVD*1	DVD*1	Simultaneous playback
DVD*1	USB	Individual playback
DVD*1	HDMI	Individual playback
HDMI	HDMI	Simultaneous playback
HDMI	USB	Individual playback
USB	USB	Individual playback*2

*1 DVDs cannot be played depending on models and specifications.

*2 When playing a USB device simultaneously on the left and right displays, playback may be limited by the image

quality (resolution) of the data. Refer to the following examples of combinations. However, when the system is under a heavy load, there are some combinations that cannot be played.

Combinations according to USB device image quality:

Rear Display (L)	**Rear Display (R)**	**Availability of individual playback on the left and right display**
FULL HD (Maximum 1920 x 1080p)	FULL HD (Maximum 1920 x 1080p)	Not available (Simultaneous playback)
FULL HD (Maximum 1920 x 1080p)	SD (Maximum 720 x 480p)	Available
HD (Maximum 1280 x 720p)	HD (Maximum 1280 x 720p)	Not available (Simultaneous playback)
HD (Maximum 1280 x 720p)	QHD (Maximum 960 x 540p)	Available
HD (Maximum 1280 x 720p)	SD (Maximum 720 x 480p)	Available
QHD (Maximum 960 x 540p)	QHD (Maximum 960 x 540p)	Available
QHD (Maximum 960 x 540p)	SD (Maximum 720 x 480p)	Available
SD (Maximum 720 x 480p)	SD (Maximum 720 x 480p)	Available
FULL HD (Maximum 1920 x 1080p)	HD (Maximum 1280 x 720p)	Not available (Files selected from the rear cannot be played. Enjoy the combinations that can be played.)
FULL HD (Maximum 1920 x 1080p)	QHD (Maximum 960 x 540p)	Not available (Files selected from the rear cannot be played. Enjoy the combinations that can be played.)

NOTE:

- **Different movie files cannot be played on the left and right displays at the same time if either or both of the movie files contain images with high resolution.**
- **When DVD (if equipped) or AUX device (if equipped) is selected to be played on the rear displays, different movie files cannot be played on the left and right displays at the same time.**

CARE AND MAINTENANCE

CAUTION:

- **Do not apply excessive force to the screens.**
- **Avoid touching or scratching the screens as it may become dirty or damaged.**
- **Do not attempt to operate the system in extreme temperature conditions [below −20°C (−4°F) and above 70°C (158°F)].**
- **Do not attempt to operate the system in extreme humidity (less than 10% or more than 75%).**
- **For cleaning, turn the rear displays off and use a soft dry cloth. Never use a rough cloth, alcohol, benzine, thinner or any kind of solvent or paper towel with a chemical cleaning agent. They will scratch or cause discoloration to the displays. If dirt does not come off with a dry cloth, slightly dampen the cloth with neutral detergent.**

MEMO

4 Bluetooth® Hands-Free Phone

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Phone 4-3
Hands-free text messaging assistant 4-5
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BLUETOOTH® HANDS-FREE PHONE SYSTEM

WARNING:

- **Only use a phone after stopping your vehicle in a safe location. If you have to use a phone while driving, exercise extreme caution at all times so full attention may be given to vehicle operation.**
- **If you find yourself unable to devote full attention to vehicle operation while talking on the phone, pull off the road in a safe location and stop your vehicle before doing so.**

CAUTION:

To avoid draining the vehicle battery (12V battery), only use a phone after starting the engine or the hybrid system.

Your vehicle is equipped with a Bluetooth® Hands-Free Phone System. If you are an owner of a compatible Bluetooth® enabled cellular phone, you can set up the wireless connection between your cellular phone and the in-vehicle phone module. With Bluetooth® wireless technology, you can make or receive a telephone call with your cellular phone in your pocket.

Once a cellular phone is connected to the in-vehicle phone module, the procedure for connecting the phone does not need to be performed again. Your phone is automatically selected by the in-vehicle phone module when the ignition switch is placed in the ON position with the selected cellular phone turned on and carried in the vehicle.

You can register up to five different Bluetooth® cellular phones to the in-vehicle phone module. However, you can talk on only one cellular phone at a time.

The Voice Recognition System supports phone commands, so dialing a phone number using your voice is possible.

"7. Voice recognition"

Before using the Bluetooth® Hands-Free Phone System, refer to the following notes.

- Wireless LAN (Wi-Fi) and the Bluetooth® functions share the same frequency band (2.4GHz). Using the Bluetooth® and wireless LAN functions at the same time may slow down or disrupt communications and could cause undesired noise. It is recommended that you turn wireless LAN (Wi-Fi) off when using the Bluetooth® functions.
- Set up the wireless connection between a compatible cellular phone and the in-vehicle phone module before using the Bluetooth® Hands-Free Pone System.
- Some Bluetooth® enabled cellular phones may not be recognized by the in-vehicle phone module. It is recommended you contact a NISSAN dealer for phone compatibility.
- Depending on the types of cellular phones, text messaging functions may not work with this system.
- You will not be able to use a hands-free phone under the following conditions:
  - Your vehicle is outside the service area for your cellular phone network.
  - Your vehicle is in an area where it is difficult to receive radio waves, such as in a tunnel, in an underground parking garage, behind a tall building or in a mountainous area.
  - Your cellular phone is locked in order to prevent dialing.
- When the radio wave condition is not ideal or ambient sound is too loud, it may be difficult to hear the other person's voice during a call.
- This Bluetooth® system supports Wideband speech, which enhances the sound quality of phone calls placed over Bluetooth®. To take advantage of this feature, the cellular device should be used on a carrier supporting Adaptive MultiRate Wideband (AMR-WB) or HD voice technology. The performance of AMR-WB may vary by carrier and calling area. Con-

sult your cellular carrier if you experience issues with call quality or connection.

- The system may not be able to receive phone calls immediately after the power has been turned on.
- Immediately after the ignition switch is placed in the ON position, it may be impossible to receive a call for a short period of time.
- Do not place the cellular phone in an area surrounded by metal or far away from the in-vehicle phone module to prevent tone quality degradation and wireless connection disruption.
- While a cellular phone is connected through the Bluetooth® wireless connection, the battery of the cellular phone may discharge quicker than usual.
- If the Bluetooth® Hands-Free Phone System seems to be malfunctioning, it is recommended that you visit a NISSAN dealer for troubleshooting help.
- Some cellular phones or other devices may cause interference or a buzzing noise to be emitted from the audio system speakers. Storing the device in a different location may reduce or eliminate the noise.
- Refer to the owner's manual for the cellular phone for information regarding the telephone pairing procedure specific to your phone, battery charging , and cellular phone antenna, etc.
- The antenna display on the touch screen display may not match the antenna display of some cellular phones.
- The battery display on the touch screen display may not match the battery display of some cellular phones.
- Keep the interior of the vehicle as quiet as possible to hear the caller's voice clearly as well as to minimize echoes.
- If reception between callers is unclear, adjusting the incoming or outgoing call volume may improve the clarity.
- If the audio of a call is unclear, adjusting the incoming or outgoing call volume may improve the clarity.

CONTROL BUTTONS AND MICROPHONE

Control buttons:

The Hands-Free Phone System can be operated mainly with **< ☎ >** on the steering wheel.

For models with **< ☎ >** or **< ☎ TEL>** on the control panel, the same operation as **< ☎ >** on the steering wheel can be conducted using those buttons on the control panel.

☞ "Control buttons and touch screen display (center display)" (page 2-2)

This chapter mainly explains the operation method using the steering wheel switch.

Microphone:

The microphone is located near the map light.

CONNECTING BLUETOOTH® HANDS-FREE PHONE

The cellular phone must be connected to the Bluetooth® Hands-Free Phone System before commencing operation. Up to 5 cellular phones can be connected to the system.

☞ "Pairing Bluetooth® device" (page 2-29)

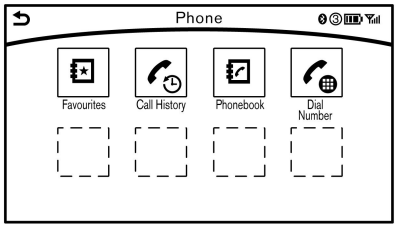
PHONE

Phone selection

Select one of the connected devices for operation.

1. Push **< ☎ >** on the steering wheel and then touch [Select Phone]. A list of the connected cellular phones is displayed.
2. Select one of the connected cellular phones from the list.
3. When selection of the device is successful, a message on the display indicates that the cellular phone was selected.

Making a call



1. Push < > on the steering wheel.
2. Select one of the following methods to make a call.

   Available methods

   - [Favorites]/[Favourites]

     Select a telephone number from a list of personally selected numbers.

   - [Call History]

     Select a telephone number from recent incoming or outgoing calls.

   - [Phonebook]

     Select a telephone number from the phonebook.

     The telephone number must be transferred to the phonebook from the cellular phone prior to using this method.

     ☞ "Phone and text message settings" (page 4-7)

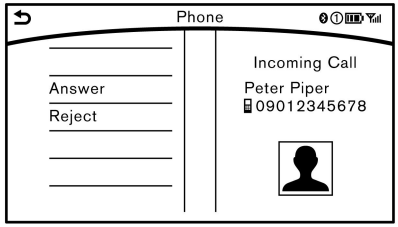
   - [Dial Number]

     Input the phone number manually using the keypad displayed on the screen. Touch the key to call the number.

     ☞ "How to input letters and numbers" (page 2-18)

3. The number will be dialed and the screen will change to the call in progress screen.

Receiving a call



Example

When you receive a phone call, a notification message is displayed on the touch screen display with a ring tone.

Taking a call:

To answer a call, take one of the following actions.

- Push < > on the steering wheel.
- Touch [Answer].

Reject a call:

To reject a call, touch [Reject]/[Decline].

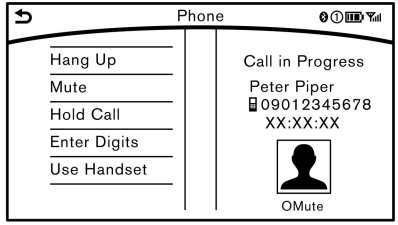
Receiving a call while on the line with another person:

When another phone call is received while on the line with another person, a message box informing you of the incoming call will appear on the display.

Available items

Available Items	Action
[Answer]	Take the second call and put the first call on hold.
[Reject]/[Decline]	Reject the second call and keep the first call on line.

During a call



There are various options available during a call. Select one of the following options displayed on the screen if necessary.

Available items

Available Items	Action
[Switch Call]*	Answer another incoming call. The person you are talking to will be placed on hold. Push once more to speak to the person on hold again.
[Hang Up]	This disconnects the person you are currently connected to and will connect you to the person who is on hold.
[Mute]	When muted, your voice will not be heard by the person on the other end of the line.
[Cancel Mute]	
[Hold Call]**	Place the call on hold.
[Enter Digits]	Using the touch tone, send digits to the connected party for using services such as voicemail.
[Use Handset]	The call can be selected to be handled with the handset or with the in-vehicle hands-free phone system.
[Use Hands free]	
[End All Calls]*	Hang up all calls including the ones that were on hold.

* Available when multiple lines are connected.

** Available when a single line is connected.

- To adjust the volume of the person's voice to be louder or quieter, push **<–🔊+>** on the steering wheel or turn **<VOL/ON·OFF>/<VOL/ ⏻ >** on the audio system, while talking on the phone.
- Touch [Mute] if you do not want your voice to be heard by the person on the other end of the line.

HANDS-FREE TEXT MESSAGING ASSISTANT

WARNING:

Use the text messaging feature after parking your vehicle in a safe location. If you have to use the feature while driving, exercise extreme caution at all times so full attention may be given to vehicle operation.

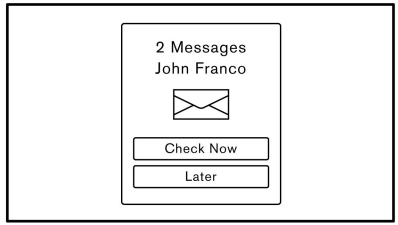
CAUTION:

- **This feature is disabled if the connected device does not support the Message Access Profile (MAP). For additional information, refer to the owner's manual for your phone.**
- **Laws in some jurisdictions may restrict the use of "Text-to-Speech". Check local regulations before using this feature.**

INFO:

- Depending on the device that is connected to the vehicle, some of the items/functions may not be displayed or used.
- The text messaging assistant system allows the sending and receiving of the text messages through the vehicle interface.

Receiving a message

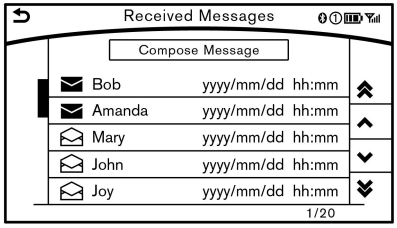


When the cellular phone connected to the vehicle receives a text message, a notification is displayed accompanied by a tone. To check the message, touch [Check Now]. Touch [Later] to save the message to be checked later.

Before using the text messaging assistant feature, confirm the settings of the iPhone.

1. Connect your iPhone to the Bluetooth® Hands-Free Phone System.
2. Disconnect iPhone from the Bluetooth® settings menu.
   ☞ "Bluetooth® settings" (page 2-29)
3. Turn "Show Notification" ON from the Bluetooth® setting menu on your iPhone.
4. Place the ignition switch in the OFF position, and then place the ignition switch in the ACC or ON position after waiting approximately 3 minutes.

Displaying received message list

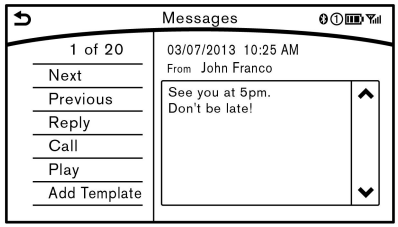


1. Push **<** **>** on the steering wheel.
2. Touch [Text Messages]/[Messages].
3. Touch an item on the list to read or to reply to the message.

INFO:

Up to 20 messages can be stored on the message list.

Received message screen



Touching [Check Now] on the new message notification screen or selecting a message from the message list will show details of the received message on the display.

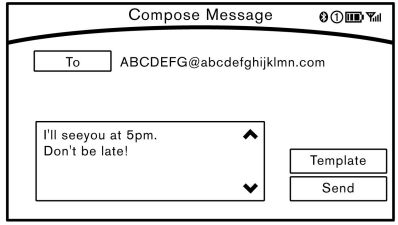
Available actions:

- [Next]
  Touch to read the next message.
- [Previous]
  Touch to read the previous message.
- [Reply]
  A reply template can be selected.
  ☞ "Sending a text message" (page 4-6)Depending on the connected cellular phone, this item may not be displayed.
- [Call]
  If the sender of the message is registered in the Phonebook, touch this menu to make a call to the sender.
- [Play]/[Stop]
  Touch [Play] to have the hands-free phone system read out the received message. Touch [Stop] to stop reading.
- [Add Template]
  The received text message can be added to the template (text list).

INFO:

- The next or previous message will be read if **<ENTER>** on the steering wheel is tilted up or down while the received text message is read out.
- If the sender's name and address are registered in the Phonebook, the name of the sender is displayed as sender information on the screen.

Sending a text message



1. Push **<** **>** on the steering wheel.
2. Touch [Mail]/[Text Message].
3. Touch [Compose Message].

The following items are available.

Available items		Action
[To]	[Keypad]	Type in the address of the recipient using the keypad. Touch [OK] to confirm the address.
	[Phonebook]	Select a recipient from the phonebook and touch [OK] to confirm.
[Template]	Select from list	Select an item from the message list. The selected text will be added to the message to be sent.
	[Add Template]	Select an item in the message list to be edited. Use the keypad to edit the text and touch [OK] to complete editing.
[Send]		Touch to send the message.

PHONE AND TEXT MESSAGE SETTINGS

Phone settings

The Bluetooth® Hands-Free Phone System can be set in detail according to the user's preference.

1. Push **<SETTING>**.
2. Touch [Phone/Mail].
3. Touch [Phone Settings].

The following phone setting items are available.

Incoming Call Settings:

Setting item	Action
[Ringtone]	Select a type of ringtone.

Phonebook/Favorites Settings:

Setting item			Action
[Configure Phonebook Settings]	[Automatic Transfer Settings]/[Auto Download Settings]	[Phonebook Auto Download]	Turn automatic download of the phonebook from the cellular phone on/off.
		[Call History Download]	Turn automatic download of the cellular phone call history on/off.
	[Manual Phonebook Transfer]	[Transfer and Overwrite] (Depending on cellular phone)	Manually transfer information from the phonebook on the cellular phone.
		[Transfer and Add] (Depending on cellular phone)	
	[Delete Phonebook]		To delete a single item, select the item you wish to delete from the list. Touch [Delete All] to delete all items. To delete multiple items, touch [Multiple Selection].

Setting item			Action
[Favourites Settings]/[Favorites Settings]	[Delete Favourites]/[Delete Favorites]		To delete a single item, select the item you wish to delete from the list. Touch [Delete All] to delete all items. To delete multiple items, touch [Multiple Selection].
	[Add to Favourites]/[Add to Favorites]	[From Phonebook]	Select items from the phonebook of the in-vehicle system to add to the favorites.
		[From Outgoing Calls]	Select items from the outgoing calls list to the in-vehicle system to add to the favorites.
		[From Incoming Calls]	Select items from the incoming calls list of the in-vehicle system to add to the favorites.
		[From Missed Calls]	Select items from the missed calls list of the in-vehicle system to add to the favorites.
[Delete Call History]	[Delete Outgoing Call History]		To delete a single item, select the item you wish to delete from the list. Touch [Delete All] to delete all items. To delete multiple items, touch [Multiple Selection].
	[Delete Incoming Call History]		
	[Delete Missed Call History]		
	[Delete ALL Call History]		

Mail settings

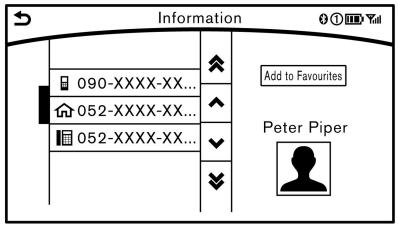
Various settings can be changed from the Mail Settings screen.

1. Push **<SETTING>**.
2. Touch [Phone/Mail].
3. Touch [Mail Settings].

The following mail setting items are available.

Setting item	Action
[Message Download Settings]	The transfer function can be turned on/off. When the transfer function is on, the phonebook on the cellular phone will be automatically downloaded to the hands-free text messaging system when connected.
[Attempts for Sending]	The number of reattempts after failing to send a text message can be selected between 0 and 3.
[New Message Alert]	The type of tone used for the notification sound can be selected.
[Edit Text Message Replies]	The template (text to select from when composing an outgoing message) can be edited.

Phonebook



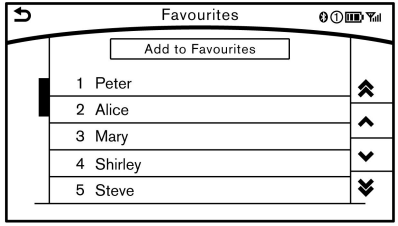
Information in the phonebook on cellular phones can be downloaded.

"Phone settings" (page 4-7)

1. Push **<** **>** on the steering wheel.
2. Touch [Phonebook] and select from the list.

This can be viewed on the display and used to make calls or send text messages.

Favorites

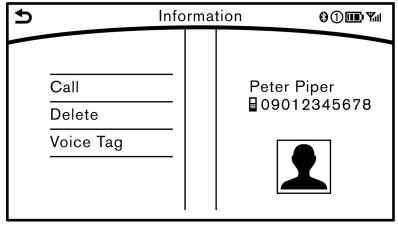


Up to 40 phone numbers can be transferred to the favorites list from a cellular phone.

1. Push **<** **>** on the steering wheel.
2. Touch [Favourites]/[Favorites] and select from the list.

It can be viewed on the display and used to make calls or send text messages.

Voice Tag:



A custom voice tag can be recorded for phone numbers on the favorites list and used to dial the number by speaking it.

1. Push **<** **>** on the steering wheel.
2. Touch [Favourites]/[Favorites].
3. Select an item from the list.
4. Touch [Voice Tag].

The following items are available.

Available items	Action
[Register]/[Store]	Touch to record a voice tag for the phone number.
[Re-registration]/[Restore]	Touch to restore the voice tag.
[Play]	Touch to play the recorded voice tag.

Available items	Action
[Delete]	Touch to delete the voice tag.

BLUETOOTH® INFORMATION

Information about the connected Bluetooth® device can be viewed.

1. Push **<SETTING>**.
2. Touch [Bluetooth].
3. Touch [Vehicle Bluetooth Device Info.].

The following items are available.

Available items	Action
[Device Name]	The name of the connected Bluetooth® device is displayed. Touch [Device Name] to display the keyboard input screen for editing.
[Pin Code]/ [Enter PIN Code]	The passkey of the connected Bluetooth® device is displayed. Touch [Pin Code]/[Enter PIN Code] to display the keyboard input screen.
Device Address	The device address of the connected Bluetooth® device is displayed.

MEMO

5 Information and NissanConnect Apps

Information menu 5-2
NissanConnect Apps 5-4
NissanConnect Apps overview 5-4
Using applications 5-4
NissanConnect Vehicle Apps 5-4

INFORMATION MENU

The information screen sets or displays various information that is helpful for using the vehicle.
Push **<INFO>** to display the information menu.
The displayed items vary depending on models and specifications.

Menu item		**Result**
[Energy Flow]		Energy information is displayed on the screen. Touch [Fuel Economy History] to display the Energy Flow History screen.
[Fuel Economy History]		Fuel Economy History is displayed on the screen. The Fuel Economy History screen can be scrolled. To go back to the Energy Flow screen, touch [Energy Flow].
[Fuel Economy]		Displays the Fuel Economy. The current and average fuel economy and the distance to empty can be confirmed.
	[History]	The Fuel Economy history screen can be scrolled. Displays Fuel Economy history screen. Touch [<]/[>] to display an older history or the newest history.
	[Reset]	Resets the average Fuel Economy. The average for the Reset-to-Reset period is stored as a fuel economy history.
[Tyre pressures]/[Tire Pressures]/[Tyre Pressures]		The tire pressure information is displayed for reference.
	[Select Units]	Changes the measurement units.
[Maintenance]	[Engine Oil]	The maintenance intervals can be displayed for the engine oil, oil filter, tire and other reminders. The following settings are available for each maintenance item. [Distance]: Set the interval (mileage) of the maintenance schedule. [Reset Distance]: Reset the driving distance to the new maintenance schedule. [Show Alerts]: Display the reminder automatically when the set distance is reached.
	[Oil Filter]	
	[Tyre]/[Tire]	
	[Other Reminders]	
[Eco Drive Report]		Displays the Eco Drive Report for “Start”/“Cruise”/“Deceleration”.

Menu item		Result
	[History]	The Eco Drive Report History screen can be scrolled. Displays the Eco Drive Report History screen. Touch [<]/[>] to display an older history or the newest history.
	[Reset]	Resets the Eco Drive Report screen. The average for the Reset-to-Reset period is stored as an Eco Drive Report history.
[Traffic Information]		Displays traffic information. ☞ "Viewing available traffic information" (page 6-38)
[Off-Road]		Displays the off-road information. The tire pressure and the azimuth direction is also displayed.
[Map Information]		Displays the navigation system unit identification number, the current map version, and the software version.

INFO:

[Traffic Information] is available only in areas where RDS-TMC is broadcast. RDS-TMC information is not available in some regions.

NISSANCONNECT APPS OVERVIEW

Laws in some jurisdictions may restrict the use of some of the applications and features. Check local regulations for any requirements.

Some pre-installed NissanConnect Vehicle Apps can be used without taking any extra steps.

CAUTION:

- **While driving, some operations are limited in order to prevent distracting the driver. While driving, avoid keeping a close watch on the display.**
- **Some application services may be subject to change or termination without prior notice.**

USING APPLICATIONS

NOTE:

To use Apps functions on models without navigation system, please complete the calendar setting from the clock setting screen.
"Clock settings" (page 2-28)

Main operation

Push **<APPS>** to display the apps screen.

Touch the icon for the desired application. The selected application will be launched.

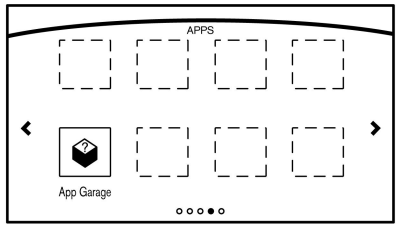
INFO:

- The applications shown on the apps screen and the display order can be customized.
  "App Garage screen" (page 5-4)
- Some applications can be set to launch automatically when the ignition switch is placed in the ON position.
  "App Garage Settings screen" (page 5-5)

NISSANCONNECT VEHICLE APPS

NissanConnect Vehicle Apps are unique applications developed by NISSAN.

App Garage screen



Push **<APPS>** and touch [App Garage].

Available settings:

- [App Garage Settings]
  View Apps information, manage Apps, customize shortcuts on the menu screen and set notifications.
- Available application list
  Displays the installed NissanConnect Vehicle Apps applications.

App Garage Settings screen:

You can use various application settings.

1. Push **<APPS>** and touch [App Garage].
2. Touch [App Garage Settings].

Available items may vary depending on models and specifications.

Menu Item		**Action**
[All Apps]		Shows all applications. Select an application from the list to modify additional application-specific settings.
[Running Apps]	Applications list	Displays all running applications. To display application information or stop an application, select the desired application from the list.
	[Stop All]	Stops all running applications.
[Menu Icon Location Setting]	Applications list	Shows or hides the application icon on the apps screen.
	[Delete All]	Deletes all application icons on the apps screen.
[Auto Start Setting]		Enable this setting to automatically launch the application when the ignition switch is placed in the ON position.
[System Information]		Displays system information.
[Install Apps via USB]		Installs an application via USB from the NISSAN portal site (if available).
[Network Notification]		This function is not available.
[Installation Notification]		If this function is on, a pop-up message is displayed when a new application is installed.
[Factory Data Reset]		Discards the stored application data.

NOTE:

- **Depending on the types of application, some applications may not be displayed in [Running Apps] field even if they are running.**
- **[Auto Start Setting] function may not be available for some applications.**
- **After resetting the data using [Factory Data Reset], the system will respond slowly because of the high workload of the system. Place the ignition switch in the OFF position and wait for 5 minutes. Then place the ignition switch in the ON position again.**
- **Vehicle Apps may not work for 30 seconds after placing the ignition switch in the ON position.**

The major Apps available

The major applications currently available for the system are introduced here.

Note that the applications are subject to updates and changes.

Available items may vary depending on models and specifications.

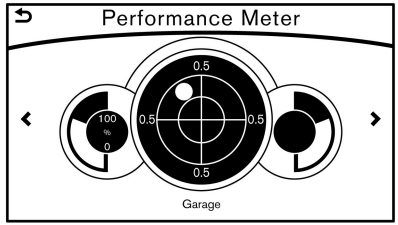
APPS	Descriptions
[Quick Guide]	You can see how to connect a Bluetooth® device, make a call and set the clock.
[Driving Performance]	Vehicle performance such as Fuel Flow, Accel, etc., can be understood intuitively.
[Maintenance Note]	You can check maintenance items inside the vehicle at your convenience.
[Compass]	In addition to the current traveling direction of the vehicle, the direction of the destination is also shown. Accurate information cannot be provided if GPS position information cannot be obtained.
[Clock]	The clock shows the current time in various kinds of skins.

WARNING:

- **Use the information from the Driving Performance strictly as a reference to make your driving more comfortable. The readings are not meant to prevent accidents caused by reckless driving or poor driving conditions (due to weather, road conditions, etc.). Always obey all traffic regulations and posted speed limits.**
- **Operating the Driving Performance while driving can lead to a crash, resulting in serious injuries or death. Always park the vehicle in a safe place before operating the display screen.**
- **Look at the display screen only briefly while driving. Keep your eyes on the road. Inattentive driving may lead to a crash, resulting in serious injuries or death.**

Example of how NissanConnect Vehicle Apps is used

Example : Driving Performance application (if equipped):



This allows you to see the vehicle status and the results of driving operation.

1. Push **<APPS>** and touch [Driving Performance]. The Driving Performance meter is displayed.
2. Touch [<] or [>] to change the layout of the Driving Performance meter.

   Touch the meter illustration on the Performance Meter screen to select another meter to display.

NOTE:

Use the displayed information as a reference. This may differ from the actual vehicle information depending on the road surface conditions or temperature. Also, it may differ from what is displayed on the vehicle combination meter.

6 Navigation (if equipped)

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SAFETY INFORMATION

The navigation system is primarily designed to guide you and help you to reach your destination. However, you, the driver, must use the system safely and properly. Information concerning road conditions, traffic signs and the availability of services may not always be up to date. The system is not a substitute for safe, proper, and legal driving.

WARNING:

- **Do not rely on route guidance alone. Always be sure that all driving maneuvers are legal and safe in order to avoid accidents.**

MAP DATA AUTHENTICATION

Map data authentication may be required when using the navigation system for the first time or after updating the map data.

1. The system starts when the ignition switch is placed in the ACC or ON position for the first time. The map data authentication screen is displayed.
2. Enter the 16 alphanumeric characters in four parts containing four characters each. Each of the four parts is displayed separately.

MAP OPERATION

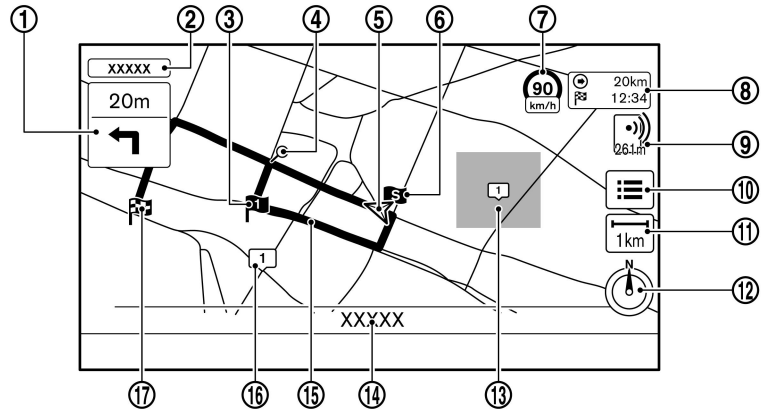
For some countries, the navigation system does not include map data of the area and navigation related functions are not available.

MAP TYPES

Two types of map views are available: 2D map and Birdview™ (3D) map.

2D map

The 2D map displays the map in a two-dimensional environment similar to a road map.



Screen information:

① Arrow:

Indicates the distance to the next guide point and the turning direction at that guide point.

This indicator will appear when a destination or waypoint is set and route guidance is started.

② Traffic information indicator (for Australia and New Zealand):

Displays the name of the provider and the reception condition of traffic information transmitted from the provider.

When the reception condition of traffic information transmitted from the provider is not detected, the traffic information indicator will not be displayed.

③ Waypoint:

Displays the set locations between the starting point and the destination. A maximum of five waypoints can be set.

④ Guide point:

Indicates a guide point (Route guidance announcement checkpoint) on the route.

⑤ Vehicle icon:

Indicates the current vehicle location and the direction of travel.

⑥ Starting point:

Shows the vehicle location, with which the route is set, as the starting point.

⑦ Speed limit icon (if equipped):

Indicates the speed limit of the road you are currently driving on. The icon design varies depending on the country.

⑧ Arrival time and distance to the destination or waypoint:

Indicates the estimated arrival time and the distance to the destination or waypoint. This indicator will appear when a destination or waypoint is set and route guidance is started.

Arrival time format can be switched between [Estimated Time of Arrival] and [Trip Time Remaining].

"Guidance settings" (page 6-36)

⑨ Speed Limit Warning icon (if equipped):

Indicates the distance to a safety camera.

⑩ Map menu icon:

Touch the icon to display menus on the display.

"Shortcut menu" (page 2-14)
"Map menu (models with naviga-

tion system)" (page 2-15)

⑪ 1km Scale indicator:

Indicates the scale of the map.

Touch the icon to display the scale bar. The map scale can be adjusted using the scale bar.

☞ "Changing scale of map" (page 6-7)

⑫ / Direction indicator:

Indicates the directional setting of the map.

: North always pointing up.

: The direction of the vehicle is always pointing up.

Touch the icon to change the setting from among North Up, Heading Up and Birdview™ (3D) map.

⑬ 1 Avoid Area (green/blue):

Displays the areas to avoid that are stored in the Stored Locations. During the route search, route guidance is performed by searching for a route that avoids those areas.

☞ "Storing Avoid Area" (page 6-42)

⑭ Street name:

Displays the name of the street that you are currently driving on.

⑮ Suggested route:

Appears in bold blue during route guidance.

⑯ 1 Stored location (yellow):

Displays the locations that are stored in the Stored Location. The icons can be changed according to your preferences.

⑰ Destination:

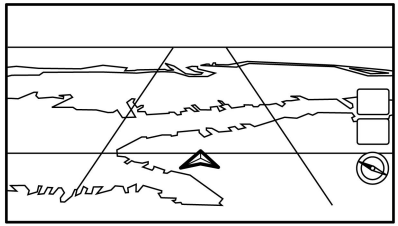
Indicates the destination location of route guidance.

INFO:

Designs and locations of the icons displayed on the map screen may change depending on conditions.

Birdview™ (3D) map

Birdview™ displays the map from an elevated perspective. In Birdview™, it is easy to recognize an image of the route because it provides a panoramic view over a long distance.



INFO:

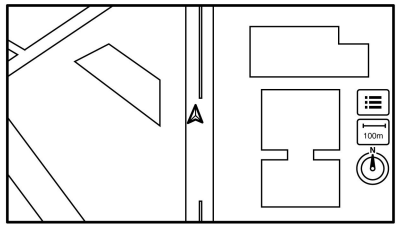
Note the following items about the Birdview™ display.

- "Birdview™" is a registered trademark of Clarion Co., Ltd.
- The map in Birdview™ always appears with the current forward direction facing up.

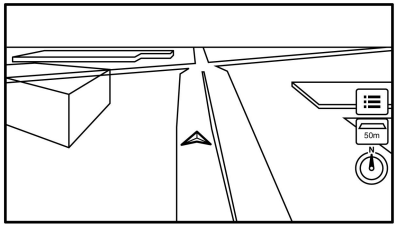
Building graphics (if equipped)

In an area where the building graphics are stored in the map data, the building graphics are displayed when the map is zoomed in. On the 2D map display, these are called "Building footprint graphics", and on the Birdview™ display, these are called "3D building graphics".

The way of looking at the map is the same for the 2D and Birdview™ maps.



Building footprint graphics (2D map)



3D building graphics (Birdview™ map)

INFO:

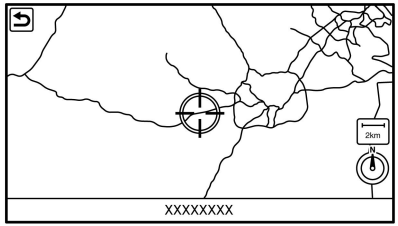
In an area where the building graphics are not stored in the map data, the normal map is displayed even when the map is zoomed in.

DISPLAYING CURRENT VEHICLE LOCATION

Operating with control panel

The basic map screen displays the current location (the position where the vehicle mark is located). Push **<MAP>** or **<MAP/VOICE>** to display the current location on the map.

Operating with touch panel operation



After moving the map, touch [⮌] on the map screen to display the current location map screen.

MOVING MAP

The operations for moving across the map are different between the 2D and Birdview™ maps.

Map scrolling operations are limited and not fully available while driving. When detailed map screen is displayed while driving, the map cannot be scrolled.

2D map

The following touch panel operations are available to move map.

- **Touch**
  Touch the screen. The cross pointer is displayed at the center of the map. Touching the screen again will scroll the map toward the touched location.
- **Long touch**
  Touch the direction to move to. The map continues to scroll while the screen is touched.
  While driving, one-touch continuous scrolling is disabled. Touch the screen again to scroll further.
- **Drag**
  Drag the map to scroll to the preferred direction.
- **Swipe**
  Swipe to scroll the map.

Multi-function controller operation:

With directional buttons:

Push and hold the main directional buttons and the additional directional buttons to scroll the map in the corresponding direction. The cross pointer is displayed at the center of the map.

Without directional buttons:

Slide (push upward/downward/leftward/rightward) the slide switch to scroll the map in the corresponding direction. The cross pointer is displayed at the center of the map.

Birdview™ (3D) map

The following touch panel operations are available to move map.

- **Touch**
  Touch the screen. The cross pointer is displayed at the center of the map. Touching the screen again will scroll the map toward the touched location.

Touch [ ] or [ ] to change the direction of the map.

- **Long touch**
  Touch the direction to move to. The map continues to scroll while the screen is touched.
  While driving, one-touch continuous scrolling is disabled.
- **Drag**
  Drag the map to scroll to the preferred direction.
- **Swipe**
  Swipe the touch panel to scroll the map screen quickly.

Multi-function controller operation:

With directional buttons:

Push and hold the left and right main directional buttons to rotate the map counterclockwise or clockwise.

Push and hold the rest of the main directional buttons or additional directional buttons to scroll the map in the corresponding direction. The cross pointer is displayed at the center of the map.

Without directional buttons:

Slide the slide switch in the direction of left or right to rotate the map counterclockwise or clockwise.

Slide the slide switch in the direction of except for left or right to move continuously across the map in one direction.

CHANGING SCALE OF MAP

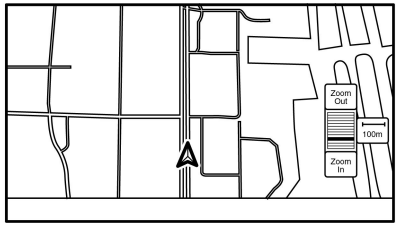
There are several methods for changing the map scale.

INFO:

While driving, operation for changing map scale is limited.

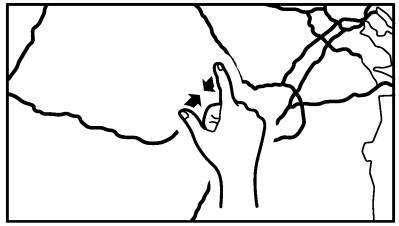
Touch panel operation

Touching scale bar:



1. Touch [ ].
   The scale bar is displayed.
2. Touch [Zoom In] or [Zoom Out] to change the scale.

Pinch-in:



To view a wider area, use a pinch-in gesture on the map screen.

Pinch-out:



To view the map in detail, use a pinch-out gesture on the map screen.

INFO:

While driving, Pinch-in/Pinch-out are disabled.

Multi-function controller operation

Turn the center dial clockwise or counterclockwise to change the map scale.

Clockwise: Zoom in

Counterclockwise: Zoom out

Free Zoom:

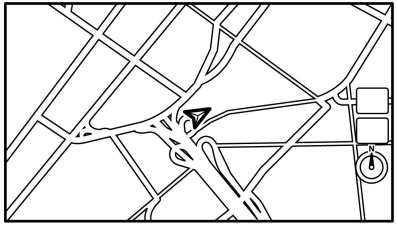
When [Small Step Zoom With Dial]/[Small Step Zoom by Dial] is turned on, the map scale may be adjusted in regular steps or in free zoom (finer scale adjustment in smaller steps) when the center dial is rotated or [Zoom In]/[Zoom Out] is touched and held.

☞ "Navigation settings" (page 6-49)

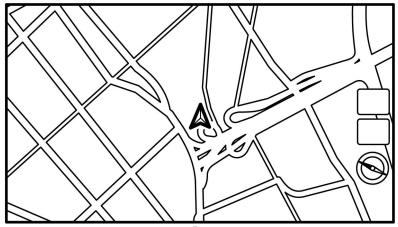
CHANGING MAP ORIENTATION

The map orientation and map view can be changed by touching [⏱]/[⊘] on the map screen.

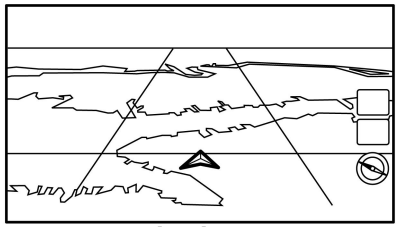
The screen will change to North Up, Heading Up and Birdview™ (3D) map each time [⏱]/[⊘] is touched.



North Up



Heading Up



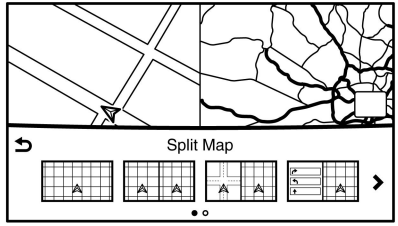
Birdview™

You can also set the map view by pushing **<SETTING>** and then touching [Navigation] and [Map Preferences].

☞ "Map view settings" (page 6-9)

SETTING SPLIT SCREEN

The split screen allows you to display two different maps on the left and right side of the screen at the same time. Alternatively, you can display a map on the right side of the screen and other information (such as junction information) on the left side of the screen.



1. Push **<MAP>** or **<MAP/VOICE>** while the current location map screen is displayed, the Display View Bar is displayed.
2. Select a screen type.
   ☞ "Display view bar (models with navigation system)" (page 2-16)

MAP VIEW SETTINGS

The setup for the map view is performed from the Settings menu.

1. Push **<SETTING>**.
2. Touch [Navigation].

The following map view setting items are available.

Available items may vary depending on models and specifications.

Menu item			**Action**
[Map & Display View]	[Change Order]		Sort the icon on the Display View Bar.
	[Full Map]		Select one of the settings to be applied to the display. ☞ "Display view bar (models with navigation system)" (page 2-16)
	[Split Map]		
	[Junction]/[Intersection]		
	[Turn List]		
	[Where am I?]		
	[Turn by Turn]		
	[Fuel Economy]		
	[Eco Drive Report]		
	[Off-Road]		
[Map Preferences]	[Map View]	[North Up]	Select one of the map views to be applied to the map screen.
		[Heading Up]	
		[Birdview (3D)]/[Bird-seye View (3D)]	

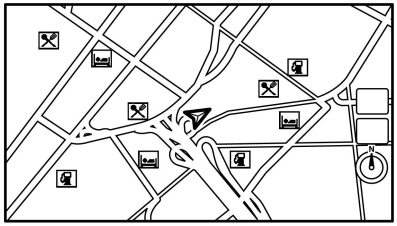
Menu item			Action
	[Long Range Heading Up]		The position of the vehicle icon can be changed to view a wider area in the traveling direction. The vehicle icon is located slightly lower than the center of the screen. Long Range map view is available only when the map view is “Heading Up”.
	[Map Colour]/[Map Color]		Select a preferred map color.
	[Map Text Size]		Set the font size from [Large], [Medium] or [Small].
	[Birdview Angle]/[Birdseye View Angle]		Adjust the Birdview™ angle.
	[Auto North Up]/[Auto North Up Zoom]		Set the top of the map to remain oriented to the north.
	[Automatic Display in Mwy Mode]/[Auto Display in M-way Mode]/[Automatic Display in Fwy Mode]		The route information can be set to on or off to be displayed automatically while driving on a motorway.
	[Names Displayed on Map]	[Place Names]	Allows place names to be displayed on the map screen.
		[POI Names]	Allows facilities names to be displayed on the map screen.
		[Road Names]	Allows road names to be displayed on the map screen.
	[Left Split Map Settings]	[Left Side Map Orientation]	The map view for the left side of split screen can be selected from [North Up] or [Heading Up].
		[Long Range Heading Up]/[Front Wide Map View]/[Long-Range Driving Direction]	Allows the map view for the left side of the split screen to change the position of the vehicle icon so that a wider area in the traveling direction can be viewed. The vehicle icon is located slightly lower than the center of the screen.

DISPLAYING INFORMATION ON MAP

Some information on the map can be displayed or hidden.

Displaying facility icons

The facility icons can be displayed or hidden by type.



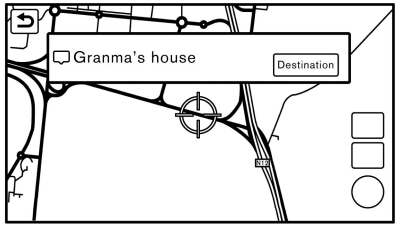
1. Push **<SETTING>**.
2. Touch [Navigation].
3. Touch [POI Icons Displayed on Map]/ [Landmark Icons].
4. Touch the preferred icon. The indicator of the selected icon illuminates.

INFO:

- The facility icons are not displayed on the map screen when the map scale is set to 500 m (1/4 mile) or higher on the 2D and Birdview™ maps.
- If they are registered in the map data, the brand icons will be displayed on the map instead of the general facility icons listed.

Displaying map scrolling information

The system can be set so that information about the location indicated by the cross pointer is displayed when you scroll the map screen.



1. Push **<SETTING>**.
2. Touch [Navigation] and touch [Other Settings].
3. Touch [Map Scrolling Information].
4. Touch the preferred information item.

   The following information items are available.

   The items displayed on the screen may vary depending on models and specifications.

   - [Stored Location Icon Info]
   - [RDS-TMC Icon Info]
   - [Destination/Waypoint Icon Info]
   - [Latitude/Longitude Info]

Road color

The road types are differentiated by color. The main road colors are listed below.

For the Australia, New Zealand, South Africa and Chile

Road type	**Color**
Motorway	Yellow, red line
Main road	Red, orange or yellow
Narrow street	Gray
Road with incomplete map data	Dark

For Mexico

Road type	**Color**
Motorway	Red
Main road	Brown or dark yellow
Narrow street	Gray
Road with incomplete map data	Dark

For the Middle East

Road type	**Color**
Toll road	Orange
National and Prefectural road	Red
Main local road	Yellow
Other road	Yellow or White

TRAFFIC INFORMATION ON MAP (for Australia and New Zealand)

Traffic information can be displayed in the areas where it is broadcast.

Traffic congestion indicator:

Lines displayed along the roads indicate locations of traffic congestion. The lines are color coded as shown below.

Free Flow: Green arrow

Moderate traffic: Yellow arrow

Heavy traffic: Red

Section affected by serious traffic event: Purple

Icons:

The following traffic information icons may be displayed on the map at locations where incidents are detected.

: Information

: Accident

: Broken vehicle

: Closed road

: Contraflow

: Danger

: Delay

: Fog reduced visibility

: Lane restrictions

: Major events

: Rain

: Road surface in poor condition

: Roadwork

: Slippery road

: Snow

: Stationary or Queuing Traffic

: Vehicle on wrong carriage way

: Weather

: Wind

: Slow and Heavy traffic

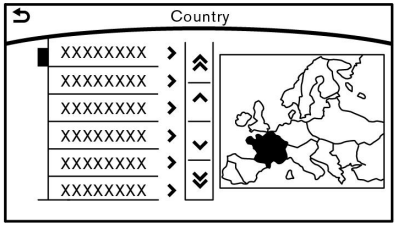
If the route has not been set, all of the traffic information icons on the map screen are displayed in red. When the route is set, the icons on the route are displayed in red, and the icons outside the route are displayed in gray. Information icons and forecast information icons are displayed in blue.

CHANGING REGION

When setting a destination, the location can be narrowed down by specifying the region or city.

Specifying country (for the Middle East, Australia, New Zealand, South Africa and Chile)

When setting a destination, the location can be narrowed down by specifying the country.

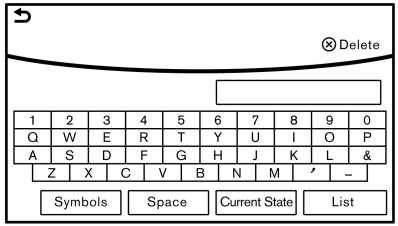


Example

1. Push **<NAVI>**.
2. Touch [Destination Menu] and touch the icon for the preferred search method.
3. Touch [Country].
4. Touch the preferred country from the list.

Specifying state (for Mexico)

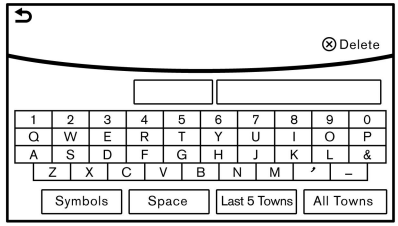
Specify a state in which you wish to search for a destination.



1. Push **<NAVI>**.
2. Touch [Destination Menu] and touch the icon for the preferred search method.
3. Touch [State/Province].
4. Enter the name of the state and then touch [List]. A list screen is displayed.
5. Touch the preferred region from the list.

Specifying city/town

Depending on the destination search method (such as Street Address, Junctions, etc.), the candidates of locations can be narrowed down by specifying the city.



Enter the name of the city you wish to set as a destination.

INFO:

- Touch [List] to display a list of items that matches the entered characters.
- Touch [Symbols]/[Change] to switch the type of keyboard.

DESTINATION SETTING MENU

There are several methods that can be used to set a destination. Understand the advantages of each method and select the best method for finding and setting the preferred destination.

1. Push **<NAVI>**.
2. Touch [Destination Menu].

The items displayed on the screen may vary depending on models and specifications.

Setting item	**Action**
[Street Address]/[Address]	Search for a destination by address. ☞ "Finding address (for the Middle East, South Africa and Chile)" (page 6-16) ☞ "Finding address (for Australia and New Zealand)" (page 6-16) ☞ "Finding address (for Mexico)" (page 6-17)
[Points of Interest]	Search for a destination from various categories of businesses or locations. ☞ "Finding Points of Interest (POI) (for the Middle East, Australia, New Zealand and South Africa)" (page 6-18) ☞ "Finding Points of Interest (POI) (for Mexico and Chile)" (page 6-19)
[Home]	Search for a route from the current location to the previously stored home destination. ☞ "Setting home as destination" (page 6-21)
[Nearby Places]/[Quick Stop]	Search for points of interest near the current vehicle location, such as restaurants, etc. ☞ "Finding nearby place" (page 6-21)
[Stored Locations]	Search for a destination from the list of stored locations. ☞ "Searching from stored locations" (page 6-21)
[Previous Destinations]	Set the previous starting point as the destination or search for the destination from the previous destinations. ☞ "Searching from previous destinations" (page 6-22)
[Junction]/[Intersection]	Set a junction as the destination. ☞ "Setting junction as destination" (page 6-22)
[M-way Entrance/Exit]/[Freeway Entrance/Exit]	Search for a motorway entrance/exit and set it as a destination. ☞ "Setting motorway entrance/exit as destination" (page 6-23)

Setting item	Action
[City Centre]/[Town Centre]/[City Center]	Set the center of a city as the destination. ☞ "Setting city center as destination" (page 6-23)
[Phone Number]/[Phone Numbers]	Search for a point of interest from a phone number and set it as a destination. ☞ "Setting destination by phone number (except for South Africa and Chile)" (page 6-23)
[Stored Routes]	Select a stored route. ☞ "Setting from stored routes" (page 6-24)
[Latitude/Longitude]	Set a destination by entering a latitude and a longitude. ☞ "Setting destination with latitude/longitude" (page 6-24)

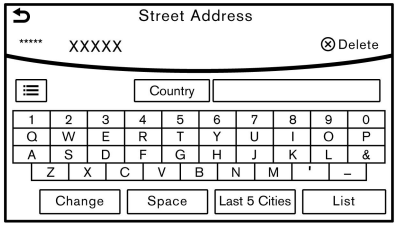
INFO:

- When a destination is set during route guidance, a pop-up message may be displayed depending on the method used to set the destination. When [Replace]/[Replace Route] is selected, the current route will be canceled and route guidance for the new destination will be set. When [Add to]/[Add to Route] is selected, the selected location becomes a waypoint or new destination.
- After setting a destination, the location of the destination can be adjusted and the location can be stored in Stored Locations, etc.
  ☞ "Procedures after setting route" (page 6-25)
- The destination can be deleted.
  ☞ "Canceling route" (page 6-29)

FINDING ADDRESS (for the Middle East, South Africa and Chile)

You can set a destination by specifying an address.

1. Push **<NAVI>** and touch [Street Address]. A letter input screen is displayed.



2. Enter the name of the city. After finishing the entry, touch [List]. A list screen is displayed.

INFO:

- Touch [☰] to set the preferred item (such as [City]).
- Touch [Last 5 Cities] to display the last 5 cities recently set as destinations.

3. Select the city of the destination from the list. Enter the name of the street. After finishing the entry, select [List]. A list of streets is displayed. Select the street of the destination from the list.

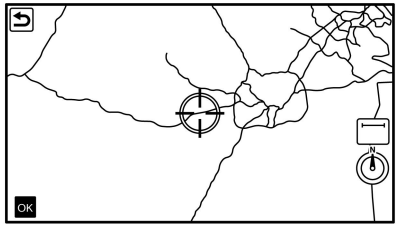
INFO:

When [City Centre]/[City Center] is touched while a city is selected, the center of the city becomes the target of the search.

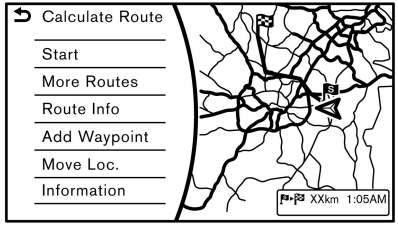
4. Enter the house number and touch [OK].

INFO:

Touch [No House#] if the house number is unknown.



5. The selected destination is displayed at the center of the map. Touch [OK] after confirming the location of the displayed destination.



6. A route to the destination is displayed on the map. Touch [Start] to start route guidance.

INFO:

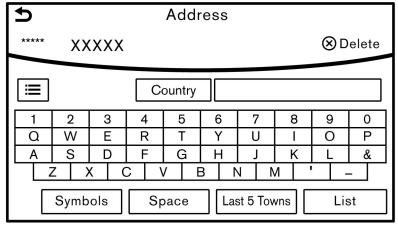
After setting a destination, the location of the destination can be adjusted and the location can be stored in the system.

☞ "Procedures after setting route" (page 6-25)

FINDING ADDRESS (for Australia and New Zealand)

You can set a destination by specifying an address.

1. Push **<NAVI>** and touch [Address]. A letter input screen is displayed.



2. Enter the name of the city. After finishing the entry, touch [List]. A list screen is displayed.

INFO:

- Touch [☰] to set the preferred item (such as [Town]).
- Touch [Last 5 Towns] to display the last 5 towns recently set as destinations.

3. Select the city of the destination from the list. Enter the name of the street. After finishing the entry, select [List]. A list of streets is displayed. Select the street of the destination from the list.

INFO:

When [Town Centre] is selected, the center of the city becomes the target of the search.

4. Enter the house number and touch [OK].

INFO:

- Touch [No House#] if the house number is unknown.
- A range of house numbers is displayed under the number that was entered.
- If the map is displayed, touch [OK] after confirming the location of the displayed destination.

5. A route to the destination is displayed on the map. Touch [Start] to start route guidance.

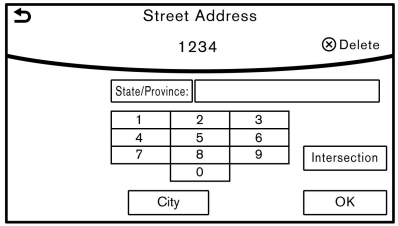
INFO:

- For effective searching, specify the region of the destination before entering the detailed address.
  ☞ "Changing region" (page 6-13)
- The number of matches is displayed to the left of the entry results. In some cases, the number of matches displayed on the screen and the number of matches displayed in the list may be different.
- After setting a destination, the location of the destination can be adjusted and the location can be stored in the Stored Locations, etc.
  ☞ "Procedures after setting route" (page 6-25)

FINDING ADDRESS (for Mexico)

You can set a destination by specifying an address.

1. Push **<NAVI>** and touch [Street Address]. A number input screen is displayed.



2. When information about house number is entered. Touch [OK].

INFO:

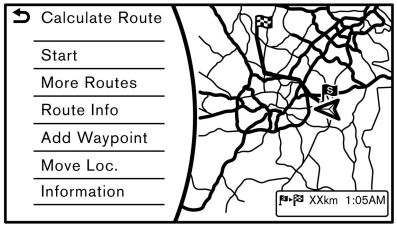
- If the house number is not available, touch [No House #].
- When [City Center] is touched while a city is selected, the center of the city becomes the target of the search.
- When [City] is selected, a city can be specified by typing the city name.
  ☞ "Specifying city/town" (page 6-13)

3. Enter the name of the street. After finishing the entry, touch [OK]. A list of streets is displayed.
4. Touch the correct street of the destination from the list.

INFO:

The number of matches is displayed to the left of the entry results. In some cases, the number of matches displayed on the screen and the number of matches displayed in the list may be different.

5. The selected destination is displayed at the center of the map. Touch [OK].



6. Touch [Start] to start route guidance.

INFO:

- For effective searching, specify the region of the destination before entering the detailed address.
  ☞ "Specifying state (for Mexico)" (page 6-13)
- After setting a destination, the location of the destination can be adjusted and the location can be stored in the Stored Locations, etc.
  ☞ "Procedures after setting route" (page 6-25)

FINDING POINTS OF INTEREST (POI) (for the Middle East, Australia, New Zealand and South Africa)

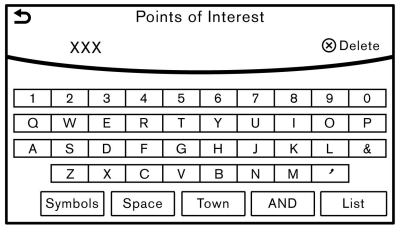
This method allows you to find a facility by name or by category. Specify the region and the city of the destination to search effectively.

NOTE:

Locations and business hours of facilities are subject to change, which may not be reflected in the map data. Double-check this information before you go to an emergency facility to ensure that you can receive proper support. Otherwise, you may not receive emergency help when you arrive at the destination. A confirmation message also appears on the navigation screen. Follow the displayed instructions and check the items required.

Searching by a landmark name

1. Push **<NAVI>**.
2. Touch [Points of Interest].
3. Touch [Name Entry]. A character input screen is displayed.



INFO:

Touch [City]/[Town] and then touch [Last 5 Cities]/[Last 5 Towns] to display the last five cities recently set as destinations.

4. Enter the name of the destination facility. After finishing the entry, touch [List]. A list screen is displayed.
5. Touch the preferred destination facility from the list.

INFO:

The preferred destination may be displayed on the screen directly when the listed item is only one without touching [List]. Touch [OK] to set a destination.

6. A route to the destination is displayed on the map. Touch [Start] to start route guidance.

INFO:

- Searching with two words or more is possible by touching [And]/[AND] between the keywords.
- After setting a destination, the location of the destination can be adjusted and the location can be stored in Stored Locations, etc.
  ☞ "Procedures after setting route" (page 6-25)

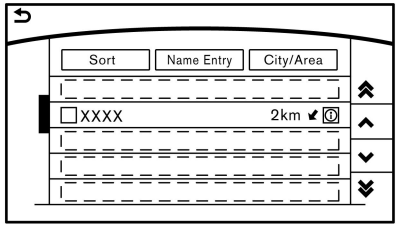
Searching from the landmark category

1. Push **<NAVI>**.
2. Touch [Points of Interest].
3. Touch the category from the menu screen. The subcategory list is displayed.

INFO:

Subcategories may not be displayed depending on the selected main category.

4. Touch the subcategory. A list screen is displayed.



INFO:

- Touch [ⓘ] to display the location information.
- The preferred destination may be displayed directly when the listed item is only one without touching [List]. Touch [OK] to set a destination.

5. Touch the preferred destination facility from the list.

   The selected destination is displayed on the map. Touch [Start] to start route guidance.

INFO:

- After setting a destination, the location of the destination can be adjusted and the location can be stored in Stored Locations, etc.
  ☞ "Procedures after setting route" (page 6-25)
- If the nearest POI cannot be searched, a message asking whether to search from an extended area will be displayed. When [Yes] is selected, the system starts to search for POI in a wider area.

FINDING POINTS OF INTEREST (POI) (for Mexico and Chile)

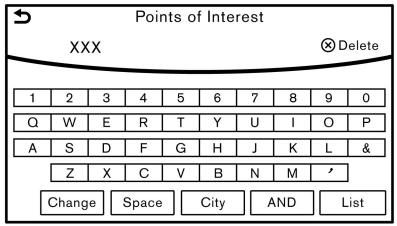
This method allows you to find a facility by name or by category. Specify the region and the city of the destination to search effectively.

NOTE:

Locations and business hours of facilities are subject to change, which may not be reflected in the map data. Double-check this information before you go to an emergency facility to ensure that you can receive proper support. Otherwise, you may not receive emergency help when you arrive at the destination. A confirmation message also appears on the navigation screen. Follow the displayed instructions and check the items required.

Searching by a landmark name

1. Push **<NAVI>**.
2. Touch [Points of Interest].
3. Touch [Spell Name]. A character input screen is displayed.



INFO:

Touch [City] and then touch [Last 5 Cities] to display the last five cities recently set as destinations.

4. Enter the name of the destination facility. After finishing the entry, touch [List]. A list screen is displayed.

INFO:

Searching with two words or more is possible by touching [AND] between the keywords.

5. Touch the preferred destination facility from the list.

INFO:

The preferred destination may be displayed directly when the listed item is only one without touching [List]. Touch [OK] to set a destination.

6. A route to the destination is displayed on the map. Touch [Start] to start route guidance.

INFO:

After setting a destination, the location of the destination can be adjusted and the location can be stored in Stored Locations, etc.

"Procedures after setting route" (page 6-25)

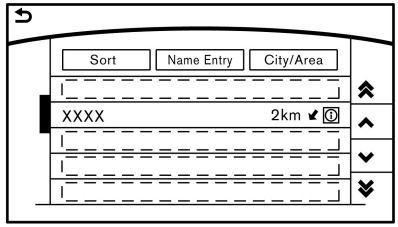
Searching from the landmark category

1. Push **<NAVI>**.
2. Touch [Points of Interest].
3. Touch the category from the menu screen. The subcategory list is displayed.

INFO:

Subcategories may not be displayed depending on the selected main category.

4. Touch the subcategory. A list screen is displayed.



INFO:

- Touch [ⓘ] to display the location information.
- The preferred destination may be displayed directly when the listed item is only one without touching [List]. Touch [OK] to set a destination.

5. Touch the preferred destination facility from the list.

   A route to the destination is displayed on the map. Touch [Start] to start route guidance.

INFO:

- After setting a destination, the location of the destination can be adjusted and the location can be stored in Stored Locations, etc.

  "Procedures after setting route" (page 6-25)

- If the nearest POI cannot be searched, a message asking whether to search

from an extended area will be displayed. When [Yes] is selected, the system starts to search for POI in a wider area.

SETTING HOME AS DESTINATION

The home location can be set as the destination if the home location is stored in advance. This function is especially useful when searching for a route to return to the home location.

1. Push **<NAVI>** and touch [Home].
2. The system sets the home location as the destination.

INFO:

If the home location is not stored, the system will display a screen with a message asking if you wish to store a home location.

☞ "Storing home location" (page 6-40)

3. A route to home is displayed on the map. Touch [Start] to start route guidance.

FINDING NEARBY PLACE

A facility located near the current vehicle location or another location that you scroll to on the map can be set as the destination. This allows you to set the destination to a facility located near the current vehicle location or another location that you scroll to on the map.

1. Push **<NAVI>**.
2. Touch [Destination Menu] and touch [Nearby Places]/[Quick Stop]. The category list is displayed.
3. Select [RESTAURANT] for example.
4. Touch the preferred destination from the list. A route to the destination is displayed on the map.

INFO:

- Touch [ⓘ] to display the location information. If [Call] is activated on the location information screen, it is possible to call the location indicated.
- If the suggested route is already set, by touching [Along Route]/[Show Along Route], the system displays only the facilities located along the route.
- A maximum of 100 facilities can be displayed on the list screen.

5. Touch [Start] to start route guidance.

INFO:

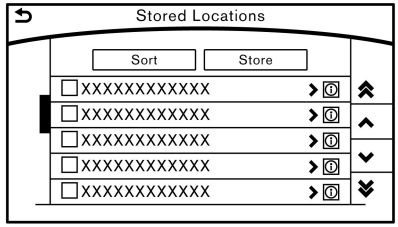
- When the route is already set, the location that was set as the destination becomes a waypoint.
- Nearby place can be set as a destination also by touching [☰] on the map screen and selecting [Nearby Places]/[Quick Stop].

SEARCHING FROM STORED LOCATIONS

Storing frequently used destinations in Stored Locations makes it easy to set a destination. Locations should be stored in Stored Locations before using this function.

☞ "Storing location" (page 6-40)

1. Push **<NAVI>**.
2. Touch [Destination Menu] and touch [Stored Locations].



3. Touch the preferred location from the list.

INFO:

- Selecting [Sort] displays a list of various sort functions.

— [Sort by Entry No.]/[By Number]:

The Address Book entries are displayed in ascending numerical order.

— [Sort by Name]/[By Name]:

The Address Book entries are displayed in alphabetic order.

— [Sort by Icon]/[By Icon]:

By selecting a particular icon, a list that contains only the Address Book entries associated with that icon is displayed.

— [Sort by Group]/[By Group]:

By selecting a particular group (family, friends, leisure, etc.), the selected group is displayed at the top of the list.

- When [Store] is touched, a new location can be stored.
- Touch [ⓘ] to display the location information.

4. A route to the destination is displayed on the map. Touch [Start] to start route guidance.

SEARCHING FROM PREVIOUS DESTINATIONS

A previous destination can be set as the destination.

Up to 100 previous destinations will be automatically stored. If the number of previous destinations exceeds 100, the oldest entry will be replaced with the newest one.

1. Push **<NAVI>**.
2. Touch [Destination Menu] and touch [Previous Destinations]. A list screen is displayed.
3. Touch the previous start point or the previous destination from the list.
4. A route to the destination is displayed on the map. Touch [Start] to start route guidance.

INFO:

- Touch [ⓘ] to display the location information.
- Touch [Call] to make a call to the facility.

SETTING JUNCTION AS DESTINATION

It is possible to set a junction of any two streets as the destination and have the system calculate a route.

1. Push **<NAVI>**.
2. Touch [Destination Menu] and touch [Junction]/[Intersection].
3. The first street input screen is displayed.

INFO:

Touch [Country] or [City]/[Town] to narrow down the specified country and city.

4. Enter the name of the first street. After finishing the entry, touch [List]. A list screen is displayed.

INFO:

If the country or city/town is changed after selecting the first street, the first street that was selected will be canceled.

5. Touch a street as the first street from the list.
6. The second street input screen is displayed.
7. Enter the name of the second street. After finishing the entry, touch [List]. A list screen is displayed.

INFO:

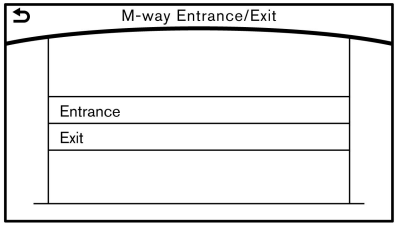
Touch [Map] on the list to preview the location of the selected junction.

8. Touch a street as the second street from the list.
9. A route to the destination is displayed on the map. Touch [Start] to start route guidance.

SETTING MOTORWAY ENTRANCE/ EXIT AS DESTINATION

It is possible to set the destination to an entrance or exit of a motorway.

1. Push **<NAVI>**.
2. Touch [Destination Menu] and [M-way Entrance/Exit]/[Freeway Entrance/ Exit]. A character input screen is displayed.
3. Enter the name of the motorway. After finishing entry, touch [List].
4. Touch the preferred motorway.



5. Touch [Entrance] or [Exit]. A list screen is displayed. Touch the preferred destination from the list.

INFO:

- Touch [Sort] and then select [By Road No.] or [Sort By Distance]/[By Distance] to sort the items in order.
- Touch [Map] on the list to preview the location of the selected entrance or exit of a motorway.

6. A route to the destination is displayed on the map. Touch [Start] to start route guidance.

SETTING CITY CENTER AS DESTINATION

It is possible to set the center of a specified city as a destination.

1. Push **<NAVI>**.
2. Touch [Destination Menu].
3. Touch [City Centre]/[Town Centre]/ [City Center]. A character input screen is displayed.
4. Enter the name of the city and touch [List]. A list screen is displayed.

INFO:

Touch [Last 5 Cities]/[Last 5 Towns] to display the last five cities recently set as destinations.

5. Touch the preferred destination from the list.

INFO:

Touch [Map] on the list to preview the location of the selected destination.

6. Touch [Start] after confirming the location of the displayed destination.

SETTING DESTINATION BY PHONE NUMBER (except for South Africa and Chile)

If the phone number of a facility is known, it is possible to search for a facility by entering the phone number.

INFO:

- If the area code of the specified telephone number does not exist in the map data, the system cannot search for the location.
- Only the locations included in the database in the map data can be searched for by phone number. Residential phone numbers cannot be used to search for a location.

1. Push **<NAVI>**.
2. Touch [Destination Menu] and touch [Phone Number]/[Phone Numbers]. The telephone number input screen is displayed.
3. Enter the telephone number including the area code. After finishing entry, touch [OK].

INFO:

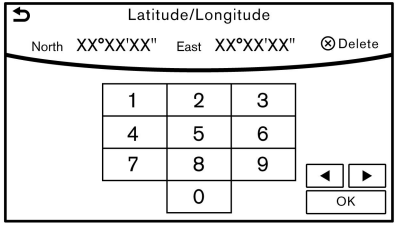
- A list screen is displayed if there are two or more search results. Touch the preferred destination from the list.

- Touch [ⓘ] to display the location information.

4. A route to the destination is displayed on the map. Touch [Start] after confirming the location of the displayed destination.

SETTING DESTINATION WITH LATITUDE/LONGITUDE (if equipped)

A destination can be set by specifying the latitude and longitude of the location.



1. Push **<NAVI>**.
2. Touch [Destination Menu] and touch [Latitude/Longitude]. A number input screen is displayed.
3. Enter the latitude and longitude of the location to be set as a destination and touch [OK].
4. A route to the destination is displayed on the map. Touch [Start] to start route guidance.

INFO:

- To switch between entering latitude and longitude, move the cursor by touching [◀] or [▶].
- Depending on the country, it is possible to touch [North]/[South] to switch the latitude or touch [East]/[West] to switch the longitude.

SETTING FROM STORED ROUTES

It is possible to select a preferred route from the stored routes. This search method is available only if previous routes have been stored.

☞ "Storing route" (page 6-41)

1. Push **<NAVI>**.
2. Touch [Destination Menu] and touch [Stored Routes]. A list screen is displayed.
3. Touch the preferred route from the list.
4. When the stored route is displayed, touch [New Dest.].
5. The route is displayed on the map. Touch [Start] to start route guidance.

INFO:

The stored route only includes locations (destination and waypoints) and route calculation conditions, not the route itself. Therefore, when the destination is set using a stored route, a different route may be suggested if the current vehicle location is different from the one when the route was stored.

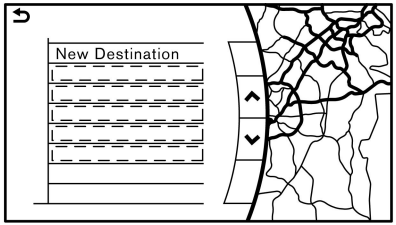
SETTING POINT ON MAP

A destination can be set by scrolling to and touching a location on the map.

1. Scroll the map, place the cross pointer over the preferred location, and touch [☰] or push **<ENTER>**.

INFO:

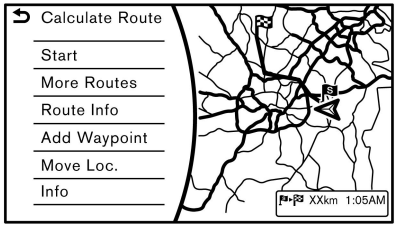
- Adjust the map scale for effective location search.
- A road on the map will blink when it is aligned with the cross pointer indicating that the road can be set as a destination.



2. Touch [New Destination].
3. A route to the destination is displayed on the map. Touch [Start] to start route guidance.

PROCEDURES AFTER SETTING ROUTE

The system sets the destination to the selected location and starts calculating a route. After performing a route search, route guidance can be started. Also, it is possible to confirm or change a route.



Available items

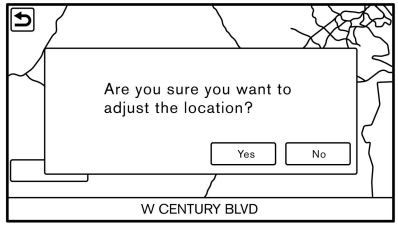
- [Start]:
  Start route guidance to the selected destination.
  If no operations have been performed on the system for several seconds, [Start] is automatically selected, and the system starts route guidance. When the vehicle is being driven, [Start] is automatically selected and the system will start the route guidance function.
- [More Routes]:
  Route condition such as fastest/shortest distance or minimum use of motorways/freeways can be selected.
  The routes may not always be different.
- [Route Info]:
  Route Information can be displayed.
- [Add Waypoint]:
  Allows you to edit the route by adding a destination or waypoint.
  If a destination is added, the prior destination becomes a waypoint.
- [Move Loc.]:
  The location can be adjusted.
- [Information]/[Info]:
  Allows you to store the destination. Also if there is information about the destination (street address and phone number) stored in the map data, it can be displayed.

INFO:

- Estimated Time of Arrival (ETA) can be checked on the lower right of the display.
- It is possible to edit or add a destination or waypoints to the route that is already set.
  ☞ "Editing route" (page 6-30)

Moving location of destination

The location of the destination can be adjusted by moving the cross pointer across the map.



1. After setting a destination, touch [Move Loc.].
2. A map screen with the destination located on the map center is displayed.
3. Adjust the location by moving the cross pointer across the map and touch [OK]. A confirmation message is displayed. Confirm the contents of the message, touch [Yes] to location of the destination modify.

INFO:

The map scale can be changed by touching [200m].

ABOUT ROUTE GUIDANCE

After setting the route, select [Start] to start route guidance.

Throughout route guidance, the system navigates you through the guide points using visual and voice guidance.

CAUTION:

- **The navigation system's visual and voice guidance is for reference purposes only. The contents of the guidance may be inappropriate depending on the situation.**
- **Follow all traffic regulations when driving along the suggested route (e.g., one-way traffic).**
  ☞ **"Route guidance" (page 6-56)**

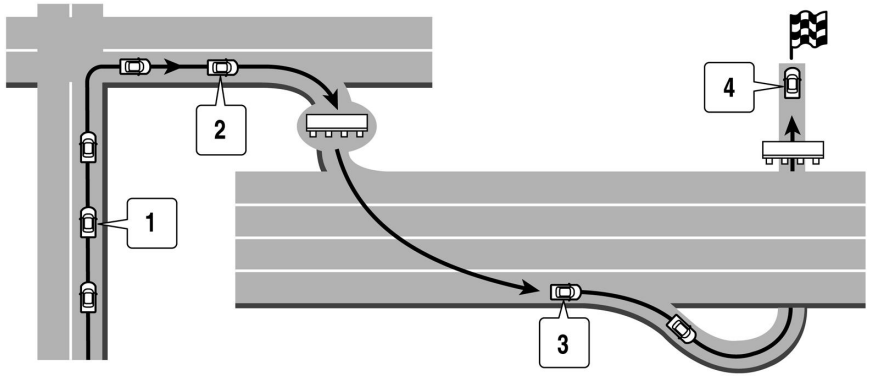
Voice guidance

Basics of voice guidance:

Voice guidance announces which direction to turn when approaching an intersection for which a turn is necessary.

Example of voice guidance

Voice guidance settings can be changed from [Voice Guidance Settings].
☞ "Guidance settings" (page 6-36)



1. "In 400 meters (1/4 mile), turn right (left)."
2. "In 400 meters (1/4 mile) take the motorway entrance on your right."
3. "In 2 kilometers (1 mile), take the exit."
4. "You have arrived at your destination. Ending the route guidance."

INFO:

- Distances may vary, depending on the vehicle speed.
- Directions will differ, depending on the road type.
- There may be some cases in which voice guidance and the actual road conditions do not correspond. This may occur because of discrepancies between the actual road and the information in the map data, or may also be due to the vehicle's speed.
- In case voice guidance does not correspond to the actual road conditions, follow the information obtained from traffic signs or notices on the road.
- When approaching a guide point (intersection or corner) or destination, etc. during route guidance, voice guidance announces the remaining distance and/or turning direction.

Repeating voice guidance:

This function is available throughout route guidance, from the time after the route calculation is completed until the vehicle arrives at the destination.

Push **<VOICE>** or push and hold **<MAP/VOICE>**. Voice guidance will be repeated.

INFO:

- If **<VOICE>** is pushed or **<MAP/VOICE>** is pushed and held when the vehicle is deviating from the suggested route and when the automatic reroute function is off, voice guidance will announce, "Proceed to the highlighted route."
- If **<VOICE>** is pushed or **<MAP/VOICE>** is pushed and held when the vehicle is going in the wrong direction, the system will announce a route to allow you to resume the route set with voice guidance.

Notification when approaching destination:

When approaching the destination, voice guidance will announce, "You have arrived at your destination. Ending route guidance." To reach your final destination, refer to the map screen.

Notes on voice guidance:

- Voice guidance in this system should be regarded as a supplementary function. When driving the vehicle, check the route on the map and follow the actual roads and traffic regulations.
- Voice guidance only activates for intersections under certain conditions. There may be cases where the vehicle has to turn, but voice guidance is not provided.
- Voice guidance contents may vary, depending on the direction of the turn and the type of intersection.
- The voice guidance timing will vary depending on the situation.
- When the vehicle has deviated from the suggested route, voice guidance will not be available. The system will not announce this. Refer to the map and recalculate the route.
  ☞ "Recalculating route" (page 6-32)
- Voice guidance may not accurately correspond with road numbers and directions at motorway junctions.
- The displayed street names may sometimes differ from the actual names.
- Voice guidance is not available when [Guidance Voice] is turned off.
  ☞ "Volume settings" (page 2-24)
- Voice guidance will start when the vehicle enters the suggested route. Refer to the map for directions to the starting point of the route.
- When approaching a waypoint, voice guidance will announce, "You have arrived at waypoint 1 (2, 3, 4,...)." Voice guidance will switch to the next section of the route. When voice guidance is not available, refer to the map for directions.
- In some cases, voice guidance ends before arrival at the destination. Refer

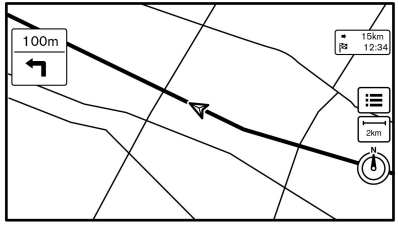
to the destination icon on the map to reach the destination.

- If the system recognizes on which side the destination (waypoint) is located, voice guidance will announce "on the right/left" after announcing the arrival at the destination.
- Voice guidance may be partially operational or inoperative due to the angle of roads at an intersection.
- Motorway lane information is available only for the limited major motorways, and guidance is not available for all junctions and exits.
- Motorway exit information may differ from the information on the actual exit signs.
- Because it is not possible to use data for roads whose accessibility changes depending on the season, a route may be displayed that does not match the actual traffic restrictions. Be sure to follow the actual traffic restrictions while driving.

Route guidance screens

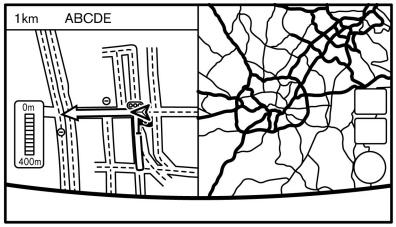
Route guidance displays map screens and various information according to the situation.

Route guidance on map screen:



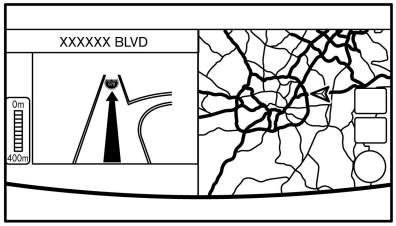
When route guidance starts, a small turn arrow is displayed in the upper left corner of the map screen. This arrow indicates the turning direction at the next guide point (corner or intersection). The distance is also displayed. At the top of the screen, the distance to the next guide point and the name of the next street to turn on to are displayed.

Enlarged intersection view:



When approaching a guide point, the system automatically changes to the split screen and shows an enlarged view of the intersection on the left screen. To switch to the previous screen while the enlarged intersection view is displayed, push **<MAP>** or **<MAP/VOICE>**.

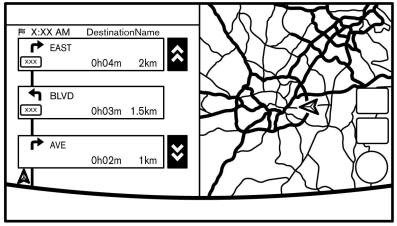
Junction guidance:



While driving on a motorway, when the vehicle is approximately 2 km (approximately 1 mile) from a junction, the system automatically switches to the split screen and displays an enlarged view of the junction on the left screen. After passing the junction, the system automatically

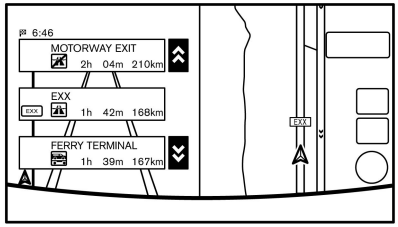
returns to the full screen mode. To switch to the previous screen while the enlarged junction view is displayed, push **<MAP>** or **<MAP/VOICE>**.

Route Information:



When [Turn List] in the view settings menu or the Display View Bar is turned on, a turn list can be displayed on the left side of the screen. The left screen automatically switches to an enlarged view of the intersection when approaching a guide point. To return to the turn list or to switch to the full map screen, push **<MAP>** or **<MAP/VOICE>** until the desired screen in displayed.

Junction list:



When [Auto Display in M-way Mode]/[Automatic Display in Mwy Mode]/[Automatic Display in Fwy Mode] is turned on, a junction list is displayed automatically while driving on motorways. Push **<MAP>** or **<MAP/VOICE>** to switch to the previous screen.

☞ "Map view settings" (page 6-9)

Guidance screen settings

The guidance screen can be displayed at all times even when the vehicle is located away from the guide point. Various types of screens can be set.

☞ "Map view settings" (page 6-9)

CANCELING ROUTE

Set route can be canceled.

1. Push **<NAVI>**.
2. Touch [Cancel Route].
3. A message is displayed.

INFO:

- The canceled route cannot be reactivated.
- [Cancel Route] will cancel all routes including way points. To delete individual waypoints, select [Edit Route].

☞ "Editing route" (page 6-30)

ROUTE MENU

WARNING:

Always stop the vehicle in a safe location before modifying the route conditions. Modifying the route conditions while driving may cause an accident.

During route guidance, the route conditions can be modified and the route information can be confirmed. Set route conditions according to your personal preference.

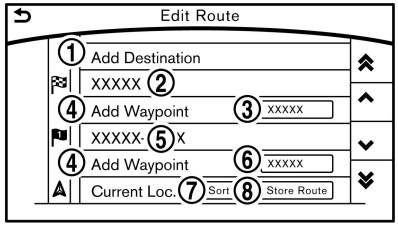
1. Push **<NAVI>**.
2. Touch [Route Menu]. The following items are available.

Available settings

- [Edit Route]:
  Edit or add a destination or waypoint to the route that is already set.
  ☞ "Editing route" (page 6-30)
- [Search Criteria Settings]:
  Change the route calculation conditions anywhere along the route.
  ☞ "Route Settings" (page 6-34)

- [Recalculate]:
  Manually search for the route again after changing the search conditions and have the system calculate a route.
  ☞ "Recalculating route" (page 6-32)
- [Show Destination]:
  The destination is displayed on the map screen.
- [Detour]:
  — A detour of a specified distance can be calculated.
  ☞ "Searching for a detour route (for the Middle East, Mexico, South Africa and Chile)" (page 6-33)
  — [Traffic Detour] (if equipped):
  Sets the route search condition to detour traffic jam and traffic accident.
  ☞ "Searching for detour route (for Australia and New Zealand)" (page 6-32)
- [Cancel Route]:
  The destination and the waypoints on the route are deleted.
- [Route Info]:
  Route Information can be displayed.

EDITING ROUTE



1. Push **<NAVI>**.
2. Touch [Edit Route].
3. Touch the item you wish to edit.

Available settings

① [Add Destination]:
Touch to add a destination.
☞ "Adding destination or waypoint" (page 6-30)

② Current destination:
Change or delete the destination.
☞ "Editing/deleting destination or waypoint" (page 6-31)

③ Condition for calculating a route to the destination:
Change the conditions for calculating a route to the destination.
☞ "Changing route calculation conditions" (page 6-31)

④ [Add Waypoint]:
☞ "Adding destination or waypoint" (page 6-30)

⑤ Current waypoint:
Change or delete the waypoint.
☞ "Editing/deleting destination or waypoint" (page 6-31)

⑥ Condition for calculating a route to a waypoint:
Change the conditions for calculating a route to a waypoint.
☞ "Changing route calculation conditions" (page 6-31)

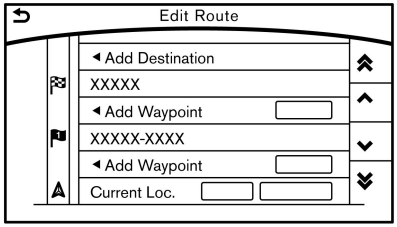
⑦ [Sort]:
The waypoint and the destination can be sorted.

⑧ [Store Route]:
Store a route including a destination and route conditions. A maximum of five routes can be stored. Stored routes can be easily retrieved and set as the suggested route.

Adding destination or waypoint

A destination or waypoint can be added to a route that has already been set. A total of six destinations or waypoints can be set.

1. Push **<NAVI>**.
2. Touch [Edit Route].



3. Touch [Add Destination] or [Add Waypoint].

INFO:

If [Add Destination] is selected, the current destination changes to a waypoint.

4. Set a destination or waypoint. The method of searching for a destination or waypoint is the same as the one for a destination.
☞ "Destination setting menu" (page 6-14)
5. The system will recalculate the routes. After the route search is completed, the display will automatically return to the Edit Route screen. Set the route conditions as necessary.
☞ "Editing/deleting destination or waypoint" (page 6-31)

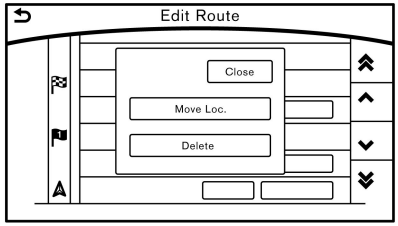
INFO:

The prior route is automatically deleted.

Editing/deleting destination or waypoint

A destination or waypoint that has already been set can be modified or deleted. If a location is modified or deleted when a suggested route is already set, the prior suggested route will be recalculated accordingly.

1. Touch a destination or waypoint that is already set.



2. Touch the item you want to set.

Available settings

- [Move Loc.]:
  The location of the destination or waypoint can be adjusted by moving the cross pointer across the map.
- [Delete]:
  A destination or waypoint that has already been set can be deleted.

INFO:

If the destination is deleted, the final waypoint of the route becomes the destination.

Changing route calculation conditions

Each section of the route between waypoints can have different route calculation conditions. After setting these conditions, the entire route can be recalculated.

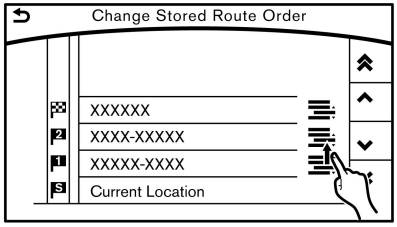
1. Touch the preferred section of the route to the destination or waypoint.
2. Touch the preferred condition.
☞ "Procedures after setting route" (page 6-25)
3. The conditions are changed and the display returns to the Edit Route screen.

INFO:

The recalculated route may not be the shortest route because the system prioritizes roads that are easy to drive on for safety reasons.

Changing order of destination and waypoints

The order of a destination and waypoints that are already set can be changed.



1. Touch [Sort]. A list of the destination and waypoints is displayed.
2. Touch [≡] (a chime will sound), slide your finger to the place you would like to move and then release your finger from the display.
3. Touch [↩] to apply the change.

RECALCULATING ROUTE

A route can be manually searched for again after changing the search conditions.

1. Push **<NAVI>**.
2. Touch [Route Menu] and touch [Recalculate].
3. A message is displayed and the route is recalculated.

INFO:

- When a waypoint has been set on the route, the system will search for only one route, even if route recalculation is performed.
- When the vehicle deviates from the suggested route, the route from the current location to the destination is automatically searched for again by the Auto Reroute function.
  ☞ "Route Settings" (page 6-34)

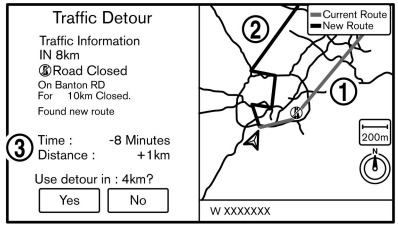
SEARCHING FOR DETOUR ROUTE (for Australia and New Zealand)

There are two methods for setting a detour route: A detour route setting taking traffic information into consideration and a detour route setting specifying the distance.

Traffic information based detour

When a serious traffic event occurs on the route, or if the system finds a faster route, a detour alert will display automatically. If you do not notice the automatic alert, a detour can also be searched for manually.

1. Push **<NAVI>**.
2. Touch [Route Menu] and touch [Detour].
3. Touch [Traffic Detour].



4. When the detour search is successful, detailed information about the detour route and the comparison screen of the two routes are displayed.
   ① Current Route (blue)
   ② New Route (purple)
   ③ Estimated change time and distance
5. To accept the suggested detour route, touch [Yes].

INFO:

- Traffic information is available only in areas where RDS-TMC is broadcast. RDS-TMC information is not available in some regions.
- If no route is set, or [Use Real Time Traffic Information] is turned off, this function cannot be operated.
  ☞ "Route Settings" (page 6-34)
- If a detour route is not selected and no further action is performed, the detour route will be automatically canceled.

- The detour suggestion can be retrieved even after the message disappears by manually selecting [Traffic Detour]. The system will then search for the detour again and will suggest a detour if one is available at that time.

Specified distance based detour

To detour from the suggested route, a route detouring for a specified distance can be calculated.

1. Push **<NAVI>**.
2. Touch [Route Menu] and [Detour].
3. Touch the preferred detour distance from the list. The system will calculate the route with the specified detour distance and the route will appear on the map.

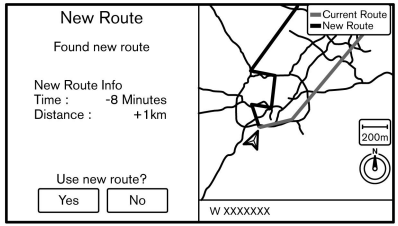
INFO:

- When the vehicle has deviated from the suggested route, [Detour] cannot be selected.
- If the system cannot calculate a detour with the specified conditions, the previously suggested route will be displayed on the map.
- If the vehicle is traveling at a high speed, the detour route may start from a location that the vehicle has already passed.

Automatic detour guidance

When [Auto Reroute] and [Use Real Time Traffic Information] are turned on in the detailed route settings, a message will be displayed automatically when the system finds a detour.

☞ "Route Settings" (page 6-34)



To accept the suggested detour route, touch [Yes].

INFO:

- If no operation is performed for 1 minute after the message is displayed, the message disappears. The detour will not be accepted, and the current suggested route will remain unchanged.
- When [Traffic Announcement] is turned on in the Guidance Preferences settings, the system will announce voice guidance at the same time that the message appears on the screen.

☞ "Guidance settings" (page 6-36)

SEARCHING FOR A DETOUR ROUTE (for the Middle East, Mexico, South Africa and Chile)

To detour from the suggested route, a route detouring for a specified distance can be calculated.

1. Push **<NAVI>**.
2. Touch [Route Menu] and touch [Detour].
3. Touch the preferred detour distance from the list. The system will calculate the route with the specified detour distance and the route will appear on the map.

INFO:

- When the vehicle has deviated from the suggested route, [Detour] cannot be selected.
- If the system cannot calculate a detour with the specified conditions, the previously suggested route will be displayed on the map.
- If the vehicle is traveling at a high speed, the detour route may start from a location that the vehicle has already passed.

ROUTE GUIDANCE SETTINGS

The route search conditions and route guidance can be set.

Route Settings

Route search condition for route calculation can be changed.

1. Push **<SETTING>**.
2. Touch [Navigation].
3. Touch [Route Search Criteria].

Available items may vary depending on models and specifications.

Setting Item		**Action**
[Search Criteria]		Route search conditions can be selected. ☞ "Procedures after setting route" (page 6-25)
[Route Preferences]	[Avoid Toll Roads]	Minimizes the use of motorways.
	[Use Time Restricted Roads]	Use any roads subject to time restrictions.
	[Use Real Time Traffic Information]	Uses the latest traffic information received via the RDS-TMC broadcast.
	[Use Ferries]	Include the use of ferries.
	[Use Avoid Area Setting] /[Use Avoid Area Settings]	Avoid the area specified in the Avoid Area settings. ☞ "Storing Avoid Area" (page 6-42)
	[Auto Reroute]	Automatically recalculate the route when the vehicle deviates from the suggested route.

INFO:

- Only one of the route conditions can be used for route calculation at a time.
- The recalculated route may not be the shortest route because the system prioritizes roads that are easy to drive on for safety reasons.
- If route conditions are set from [Search Criteria], all sections on the route are subject to the same route conditions even though different route conditions have been set for different sections in [Edit Route].
- If [Use Time Restricted Roads] is deactivated, the system calculates a route without any consideration of the regulations concerning the time or day of the week. Therefore, the suggested route may include a road subject to traffic regulations concerning the time or day of the week. When driving along the route, always follow all traffic regulations regardless of whether [Use Time Restricted Roads] is activated or not.
- If the system cannot calculate any alternative routes, it will display the previous route.
- If the vehicle greatly deviates from the suggested route, the system will calculate a new route.

For Australia and New Zealand:

- Traffic jam information displayed on the map screen should not be regarded as statistically accurate traffic information.
- Even when [Use Real Time Traffic Information] is turned on, if traffic information has not been provided for the area, a detour may not always be indicated in a location where a traffic jam occurs.
- The system may not lead the vehicle to a detour if a traffic closure or a traffic jam occurs far from the present location.
- The system performs calculation to reduce the time required for the entire route from the start to the destination. If there are no appropriate routes, the system may lead the vehicle to a route where a traffic jam occurs instead of leading to a detour.
- Traffic information is available only in areas where RDS-TMC is broadcast. RDS-TMC information is not available in some regions.

Guidance settings

Various guidance information can be set to be played during route guidance and the route and/or voice guidance can be activated or deactivated.

1. Push **<SETTING>**.
2. Touch [Navigation].
3. Touch [Guidance Preferences].

Available items may vary depending on models and specifications.

Setting item		**Action**
[Voice Guidance]/[Guidance Voice]		Activate or deactivate voice guidance.
[Guidance Volume]		Adjust the volume level of voice guidance.
[Voice Guidance Settings]		Set advanced settings for the voice guidance announced or the chime that sounds at guide points.
	[Turn Point]	Guidance is provided at the turning point where a maneuver is required.
	[Simple Guide]/[Simple Guidance]	Guidance is provided at two points prior to reaching the turning point.
	[Normal Guide]	Guidance is provided once prior to reaching the turning point and at the turning point.
	[Full Guide]	Guidance is provided at all available points prior to the turning point and at the turning point.
[Traffic Announcement]		Activate/deactivate traffic announcement. When this item is activated, the system provides an announcement for a traffic information event on the route. The indicator illuminates if traffic announcement is activated.
[Arrival Time Format]	[Estimated Time of Arrival]	Displays the estimated arrival time.
	[Trip Time Remaining]	Displays the time required to travel to the destination.
[Estimated Time]	[Destination]	Displays the estimated travel time to the destination. In this mode, is displayed next to the travel time to the destination.

Setting item		Action
	[Waypoints]	Displays the estimated travel time to the waypoint. In this mode, is displayed next to the travel time to the waypoint.
[Set Average Speeds]	[Auto]	If set to ON, the system automatically calculates the time required to travel to the destination.
	[Motorway]/[Freeway]	Adjust the average vehicle speed on motorways.
	[Main Road]	Adjust the average vehicle speed on main roads.
	[Town Road]	Adjust the average vehicle speed on a town road.
	[Residential]	Adjust the average vehicle speed in a residential area.
	[Reset Settings]	Set the average vehicle speeds to the default values.
[Auto Reroute]		If the vehicle deviates from the suggested route, the system automatically recalculates a route that guides the vehicle to the suggested route.

INFO:

The guidance volume can also be adjusted by turning the audio system volume control button or pushing **<–+>** on the steering wheel while voice guidance is being announced.

RDS-TMC TRAFFIC INFORMATION (if equipped)

RDS-TMC FEATURE

The navigation system receives traffic information from the best available sources and enables the RDS-TMC (Radio Data System - Traffic Message Channel) to broadcast this information for the best possible guidance. The RDS-TMC broadcast is fed by a dedicated FM tuner so that you can still listen to the radio while traffic information is being broadcast. Traffic information can be displayed only in areas where RDS-TMC is broadcast. Traffic information is not available in some areas.

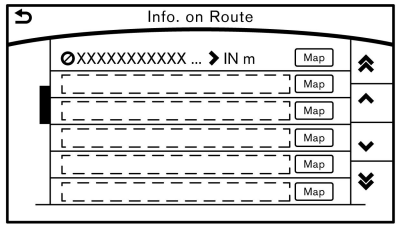
VIEWING AVAILABLE TRAFFIC INFORMATION

1. Push **<INFO>**.
2. Touch [Traffic Information].
3. Touch the preferred information.

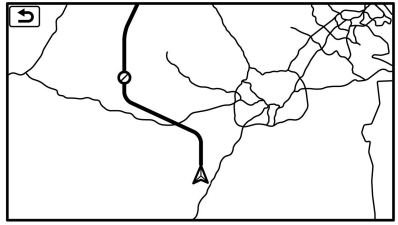
Available item	Action
[Nearby Traffic Info]	The list of available traffic information around the current vehicle location is displayed.
[Info. on Route]	This is only available when a route is set. A list of traffic information found on the recommended route from the current vehicle location to the destination is displayed. Detailed information about displayed events can also be checked.

VIEWING TRAFFIC INFORMATION LIST

A list of traffic information found on the recommended route from the current vehicle location to the destination is displayed. Detailed information about displayed events can also be checked.



1. Touch the event to check the detailed information. Touch [Map] to display the traffic information location.



2. The map screen centered around the selected event is displayed. On the display, detailed information about the event is displayed.

   The message can be scrolled.
3. Touch [⮌] to return to the previous screen.

URGENT TRAFFIC INFORMATION

When an urgent event is found around the current vehicle location, a message pops up automatically on the display with a voice announcement.

The message includes the icon, event type, event information and the direct distance from the current location to the event.

INFO:

- Urgent traffic information is displayed regardless of whether the traffic information system is on or off.
- When there are multiple urgent events, the event with the shortest direct distance from the current location is displayed.
- If the urgent event is on the recommended route, and if a detour is found, the detour route notification screen is displayed when the vehicle approaches the detour point.

TRAFFIC INFORMATION SETTINGS

This displays or changes the settings for the traffic information related functions.

1. Push **<SETTING>** and touch [Navigation].
2. Touch [Traffic Info Settings].
3. Touch the preferred setting. The indicator for the selected setting illuminates.

Available setting items

- [Show Traffic Info on Map]:
  Displays all RDS-TMC information on the map while driving.
- [TMC Service]:
  Defines the RDS-TMC broadcasting tuning.
- [RDS-TMC On Map]:
  Selects and displays the relevant RDS-TMC icons on the map.
- [Traffic Announcement]:
  Announces the traffic information event on the route.

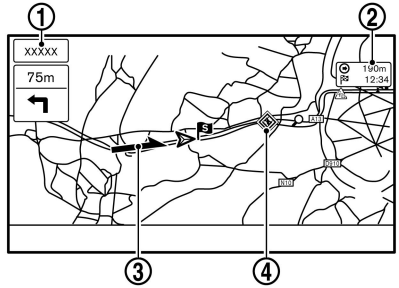
INFO:

- The RDS-TMC system automatically updates and overwrites old information. Traffic information is not available in some areas.
- The color of the RDS-TMC icon displayed on the screen indicates the traffic information reception condition. The icon turns green while in an area where traffic information is being broadcast and the RDS-TMC system receives broadcast information.

TRAFFIC INFORMATION ON MAP

Traffic information is displayed on both the 2D and Birdview™ map screens.

"Viewing available traffic information" (page 6-38)



① Traffic indicator:

Displays the reception condition of traffic information transmitted from the provider.

When the reception condition of traffic information transmitted from the provider is not detected, traffic indicators will not be displayed.

② Estimated travel time and distance to the destination:

Estimated travel time and distance to destination calculated taking traffic information on the route into consideration is displayed.

③ Road conditions:

Free Flow: Green arrow

Moderate traffic: Yellow arrow

Heavy traffic: Red arrow

Section affected by serious traffic event: Purple arrow

④ Traffic information icon:
☞ "Traffic information on map (for Australia and New Zealand)" (page 6-12)

If a route is not set, all of the traffic information icons on the map screen are displayed in color. When a route is already set, the icons on the route are displayed in color, and the icons outside the route are displayed in gray.

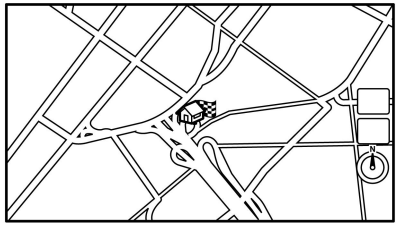
INFO:

Traffic information icons can be displayed only when the scale level of the map is between 25 m (100 ft) and 16 km (8 miles).

STORING LOCATION

Frequently visited locations can be stored in Stored Locations. The stored addresses can be easily retrieved to set them as a destination or waypoint. Up to 200 locations can be stored in Stored Locations.

Storing home location



1. Push **<NAVI>**.
2. Touch [Home].
3. If the home location is not registered, a confirmation message is displayed. Touch [Yes].
4. Set the home location using the same procedure as setting a destination.
☞ "Destination setting menu" (page 6-14)
5. A message is displayed and the home location is stored.

Other Settings:

1. Push **<SETTING>**.
2. Touch [Navigation] and touch [Edit/Delete Stored Locations].
3. Touch [Stored Locations] and touch [Home Location (None)].
4. Touch [Yes] when a confirmation message is displayed.
5. Touch the appropriate method to set a location. The search methods are the same as when setting a destination.
☞ "Destination setting menu" (page 6-14)
6. Adjust the location of the stored item and edit the contents of the stored item as necessary.

Storing location by searching

There are various methods for storing a location by searching.

1. Push **<SETTING>**.
2. Touch [Navigation].
3. Touch [Edit/Delete Stored Locations].
4. Touch [Stored Locations].
5. Touch [Add New].
6. Touch the appropriate method to set a location. The search methods are the same as when setting a destination.
☞ "Destination setting menu" (page 6-14)
7. The address of the location is stored.
8. Edit the contents of the stored item as necessary.
☞ "Editing stored home and location" (page 6-43)

Other Settings

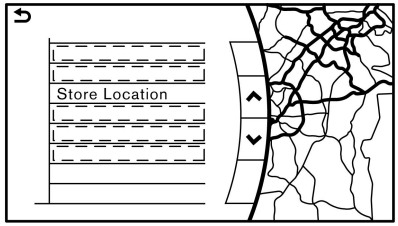
1. Push **<NAVI>**.
2. Touch [Destination Menu] and touch [Stored Locations].
3. Touch [Store].
4. Touch the appropriate method to set a location. The search methods are the same as when setting a destination.
   ☞ "Destination setting menu" (page 6-14)

INFO:

- When the location is stored in the Stored Locations, [Stored Locations] can be used to search for a destination.
- When 200 locations are already stored, a new location cannot be stored until a location currently stored in the system is deleted.

Storing location from map menu

1. Touch [☰] on the current location map or by moving the map to the preferred location.



2. Touch [Store Location]. A message is displayed. Select [Yes] to store the address of the location.
3. The icon representing the stored location is displayed on the map. Touch [⮌] to return to the current location map screen.

INFO:

The address is stored in the first available position number in the Stored Location list.

STORING ROUTE

A maximum of five calculated routes can be stored. Stored routes can be easily retrieved and set as the suggested route.

1. Push **<NAVI>**.
2. Touch [Edit Route].
3. Touch [Store Route]. A confirmation message is displayed. Touch [Yes] to store the current route.

Other settings

A route can also be stored using the following procedure.

1. Push **<SETTING>**.
2. Touch [Navigation] and touch [Edit/Delete Stored Locations].
3. Touch [Stored Route Plans].
4. Touch [Store Current Route]. A confirmation message is displayed.
5. Confirm the contents of the message and then touch [Yes]. The current route is stored.

INFO:

- Stored route includes only locations (destination and waypoints) and route calculation conditions, not the route itself.
- The most recently stored route is stored in the first available position number in the store current route list.
- When five routes are already stored, a new route cannot be stored until a route is deleted.
  ☞ "Deleting stored item" (page 6-46)

STORING AVOID AREA

An Avoid Area can be stored. The Avoid Area is an area that can be excluded from a route, such as a road that is always congested. Once Avoid Areas are stored, the system avoids those areas when calculating a route. Up to 10 Avoid Areas can be stored.

1. Push **<SETTING>**.
2. Touch [Navigation] and touch [Edit/ Delete Stored Locations].
3. Touch [Avoid Areas].
4. Touch [Add New].

   Touch the appropriate method to search for a location.

   ☞ "Destination setting menu" (page 6-14)
5. Adjust the location of the Avoid Area and edit the contents of the Avoid Area as necessary.

   ☞ "Editing Avoid Area" (page 6-45)

INFO:

A maximum of 10 Avoid Areas can be stored. When 10 Avoid Areas are already stored, a new Avoid Area cannot be stored until a currently stored Avoid Area is deleted.

☞ "Deleting stored item" (page 6-46)

EDITING STORED INFORMATION

Items stored in the system can be modified. These settings can be edited to make the navigation system more effective.

Editing stored home and location

1. Push **<SETTING>**.
2. Touch [Navigation] and then touch [Edit/Delete Stored Locations].
3. Touch [Stored Locations].

Available items may vary depending on models and specifications.

Available item			**Action**
[Sort]			Sort the stored locations.
[Add New]			Add a new location. ☞ "Storing location by searching" (page 6-40)
[Home Location]	[Edit]	[Move Location]/[Alter Location]	Adjust the location of the stored location on the map display.
		[Phone No.]	Store the telephone number of the home address.
		[Icon]	Change the icon of the home location to a preferred one.
		[Show Icon on Map]	Display the home icon on the map.
		[Alarm Sounds]	Set the tone of the alarm that sounds when the vehicle approaches the home location.
		[Alarm Direction]	Set the alarm to sound when approaching from a specific direction.
		[Alarm Distance]	Set the alarm to sound when reaching a specific distance to the home location.

Available item			Action
	[Delete]		Delete the stored home location.
Touch the preferred stored address from the list.	[Edit]	[Move Location]/[Alter Location]	Adjust the location of a stored location on the map display.
		[Name]	Change the name of a stored address.
		[Phone No.]	Store the telephone number of a stored address.
		[Icon]	Change the icon of a stored location to a preferred one.
		[Show Icon on Map]	Display the icon of a stored location on the map.
		[Group]	This groups the stored addresses.
		[Alarm Sounds]	Set the tone of the alarm that sounds when the vehicle approaches a stored address.
		[Alarm Direction]	Set the alarm to sound when approaching from a specific direction.
		[Alarm Distance]	Set the alarm to sound when reaching a specific distance to a stored address.
	[Delete]		Delete the stored location.

INFO:

- By changing the icons, the use of [Sort by Icon]/[By Icon] option of the sort function can be optimized more effectively.
  "Searching from stored locations" (page 6-21)
- By grouping the stored addresses, [Sort by Group]/[By Group] option of the sort function can be used more effectively in [Sort] mode.
  "Searching from stored locations" (page 6-21)
- Once the direction and the distance to sound an alarm are set, the system will sound the alarm when the vehicle enters the triggering zone.
- Touch [ⓘ] to display the location information.

Editing Avoid Area

1. Push **<SETTING>** and touch [Navigation].
2. Touch [Edit/Delete Stored Locations].
3. Touch [Avoid Areas].
4. Touch a preferred Avoid Area from the list.

Step 1	**Step 2**	**Action**
[Edit]	[Move Location]	Display the Avoid Area, and adjust the location of the Avoid Area.
	[Rename]	Change the name of an Avoid Area.
	[Resize Area]	Adjust the range of the Avoid Area.
	[Avoid Toll Roads]/[Minimize Toll Roads]	Set the route to include or not include toll roads.
[Delete]		Delete Avoid Area.

INFO:

- Touch [Add New] to add new avoid area.
- Touch [Map] to display the avoid area location.
- An Avoid Area is displayed in green if it includes a motorway or in blue if it does not include a motorway.
- If the current vehicle location is set to an Avoid Area, the system will not provide route guidance.

Editing stored route

1. Push **<SETTING>**.
2. Touch [Navigation] and touch [Edit/ Delete Stored Locations].
3. Touch [Stored Route Plans].
4. Touch the preferred stored route from the list.

Available setting items

- [Rename]:
  Change the stored route name.
- [Delete]:
  Delete the stored route.

INFO:

Touch [Store Current Route] to store the current route.

DELETING STORED ITEM

The locations and routes in the Stored Locations can be deleted. Two deletion methods are available: deleting an individual item and deleting all stored items.

INFO:

Deleted items cannot be restored. Before deleting an item, always make sure that the item is no longer needed.

Deleting stored item individually

1. Push **<SETTING>**.
2. Touch [Navigation] and touch [Edit/Delete Stored Locations].
3. Touch [Delete Stored Items].

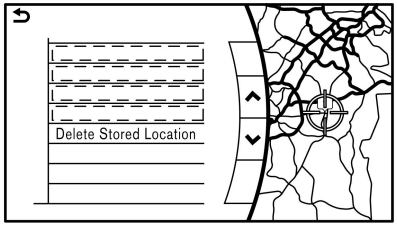
Step 1	Step 2	Action
[Delete Stored Locations]/[Delete Stored Location]	[Sort]	Sort stored locations.
	[Delete All]	Delete all stored locations.
	[Multi Select]	Delete the selected stored locations. To select all the stored items, touch [Select All].
	[Home Location]	Delete Home Location.
	Stored Locations	Delete the selected stored location individually.
[Delete Stored Route Plans]	[Delete All]	Delete all stored routes.
	Stored Route Plans	Delete the selected stored route individually.
[Delete Avoid Areas]	[Delete All]	Delete all Avoid Areas.
	Avoid Areas	Delete the selected Avoid Area individually.

INFO:

- Touch [ⓘ] to display the location information.
- Touch [Map] to display the stored location map.

Deleting individual item on map

1. Move the cross pointer on the map to align it with the stored location for deletion, and then touch [☰].



2. Touch [Delete Stored Locations]/[Delete Stored Location]. A confirmation message is displayed.
3. Touch [Yes]. The stored location is deleted from Stored Location.
4. Touch [↩] to return to the previous screen.

TRANSFERRING INFORMATION TO/FROM ADDRESS BOOK

The stored home location and other stored address data can be exported and imported using a USB memory device.

☞ "Audio accessories" (page 2-11)

INFO:

A USB memory device can be used to transfer data but it is not possible to edit data using a personal computer, etc.

1. Insert a USB memory device, push **<SETTING>**.
2. Touch [Navigation] and touch [Edit/Delete Stored Locations].
3. Touch [Transfer Address Book].
4. Touch [Transfer Address Book to USB] or [Transfer Address Book from USB].
5. Touch [All], [Home Location] or [Stored Locations].

NOTE:

Do not remove the USB memory device until the system has completed importing or exporting the data.

INFO:

If the USB memory device already has the data for the stored address, a confirmation message is displayed. Once overwritten, the original data cannot be recovered.

NAVIGATION SETTINGS

The navigation system can be customized according to the user's preference.

Available items may vary depending on models and specifications.

1. Push **<SETTING>**.
2. Touch [Navigation].
3. Touch the item you want to set.

[Map & Display View]

Touch to change the map and display the view settings.

☞ "Map view settings" (page 6-9)

[Map Preferences]

Touch to set the map view, orientation, font size or map color etc.

☞ "Map view settings" (page 6-9)

[POI Icons Displayed on Map]/[Landmark Icons]

The facility icons can be displayed or hidden by type.

☞ "Displaying facility icons" (page 6-11)

[Guidance Preferences]

Various guidance information can be set to be played during route guidance and the route and/or voice guidance can be activated or deactivated.

☞ "Guidance settings" (page 6-36)

[Route Search Criteria]

Set conditions for the route search.

☞ "Route Settings" (page 6-34)

[Traffic Info Settings]

Displays or changes the settings for the traffic information related functions.

☞ "Traffic information settings" (page 6-39)

[Safety Guide Settings]

Setting item		Action
[Speed Limit Info]		Display speed limit information.
[Speed Trap Warning]	[Speed Trap Icon on Map]	Display a speed limit warning on the right side of the map screen.
	[Warning On]	
	[Only Warn On Route]	

[Edit/Delete Stored Locations]

Touch to edit stored items and Avoid Areas.
☞ "Editing stored information" (page 6-43)

[Delete History]/[Delete Previous Destinations]

Touch to delete previous destinations from the map data.

Setting item		Action
[Delete All]		Delete all previous destinations.
[Multiple Selection]	[Select All]/[Clear All]	Touch [Select All] to select all previous destinations to delete. To cancel all the selected items, touch [Clear All].
	[Delete]	Clear the selected previous destination.
	Select from a list	Select to delete the previous destination.
[Previous Starting Point] /[Previous Start Point]		Delete the previous starting point.
Previous destinations		Delete the previous destination.

INFO:

Touch [ⓘ] to display the location information.

[Other Settings]

Setting item		Action
[Small Step Zoom With Dial]/[Small Step Zoom by Dial]		Touch to turn the free zoom function on/off. With the free zoom turned on, the scale levels can be adjusted in smaller steps than with the normal scale adjustment.
[Map Scrolling Information]		The system can be set so that information about the location indicated by the cross pointer is displayed when you scroll the map screen. ☞ "Displaying map scrolling information" (page 6-11)
[Customise Nearby Places]/[Customize Nearby Places]/[Customize Quick Stop]	Nearby Places List	Customize nearby categories to show the categories that you frequently use.
	[Restore Default Settings]	Reset the settings of all five items in the nearby place list.
[Tracking Dots Displayed on Map]	[Show Tracking Dots on Map]	Display a stored tracked route on the map.
	[Dist. Between Tracking Dots]	Select the tracking dot interval.
	[Delete Current Tracking]/[Delete Track to Current Location]	Delete the stored tracked route.
[Adjust Current Location]		If the vehicle icon indicating the current vehicle location is not in the correct position, the location of the vehicle icon on the map screen can be adjusted.

[Reset Settings]

Reset various settings (display, volume level, etc.) to the default settings.

CURRENT VEHICLE LOCATION

Display of current vehicle location

This navigation system combines the data obtained from the vehicle (by gyro sensor) and from GPS (Global Positioning System) satellites to calculate the current location of the vehicle. This position is then displayed throughout route guidance to a destination.

What is GPS (Global Positioning System)?

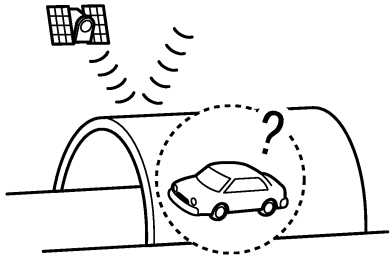
GPS is a position detecting system that uses satellites deployed by the U.S. government. This navigation system receives radio signals from three or more different satellites that orbit 21,000 km (13,049 miles) above the earth in space, and detects the position of the vehicle by utilizing the principle of triangulation.

Positioning adjustment:

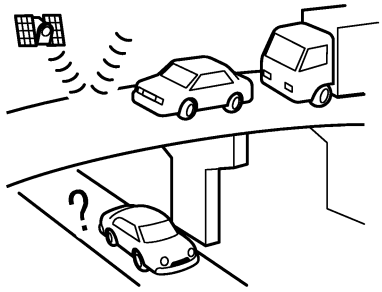
When the system judges that the vehicle position is not accurate based on the vehicle speed and gyro sensor data calculations, the system will automatically adjust the position of the vehicle icon using GPS signals.

Receiving signals from GPS satellites:

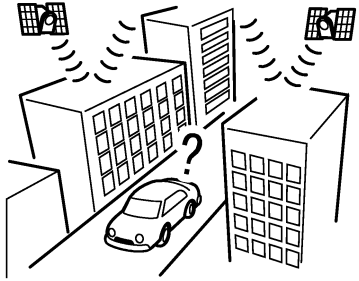
The reception of GPS signals can be weak, depending on the environment. Vehicles in the following areas/environments may not receive GPS signals.



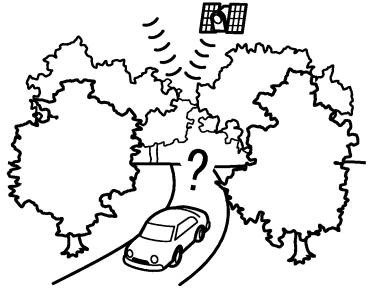
- Inside tunnels or parking garages



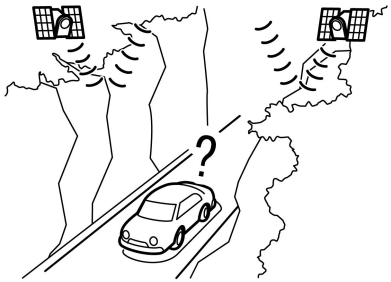
- Under multi-layered highways



- In areas with numerous tall buildings



- In areas with numerous tall trees



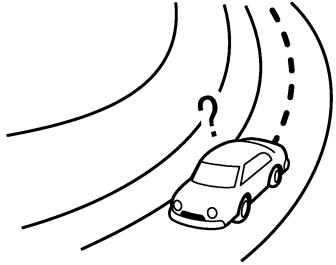
- In a canyon

INFO:

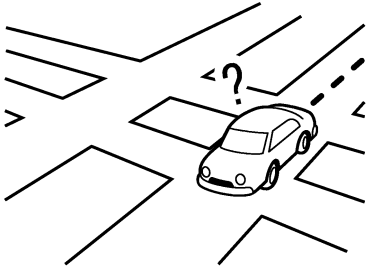
The GPS antenna is located on the instrument panel inside the vehicle. Do not place any objects, especially cellular phones or transceivers, on the instrument panel. Because the strength of the GPS signal is approximately one billionth of that of TV waves, phones and transceivers will affect or may totally disrupt the signal.

Incorrect display of vehicle position

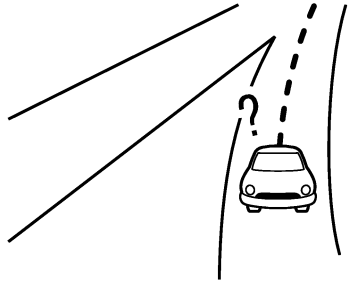
The following cases may affect the display accuracy of the vehicle's position or traveling direction. The accuracy will return to normal if the driving conditions return to normal.



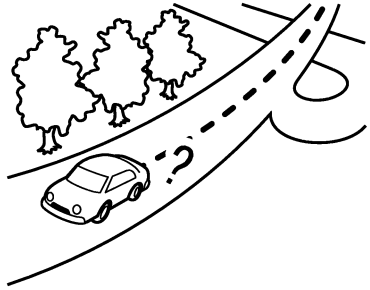
- When there is a similar road nearby



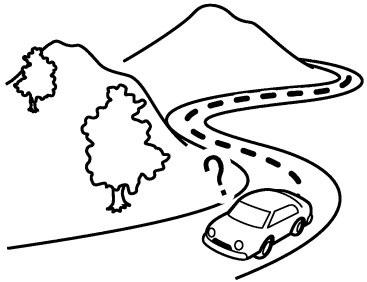
- When the vehicle is traveling in an area with a grid pattern road system



- When the vehicle is passing through a large Y-shaped intersection/junction



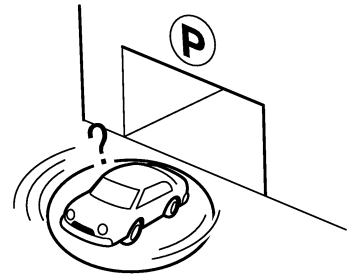
- When the vehicle is traveling on a continuous, slowly curving road



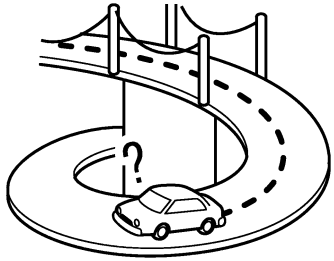
- When the vehicle is traveling on a road with repeating S-shaped curves



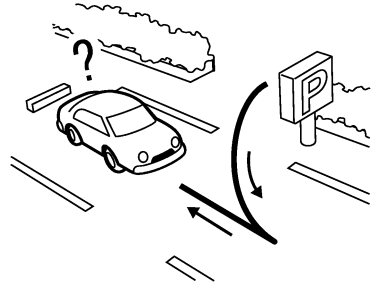
- When the vehicle is on a snow-covered or unpaved road



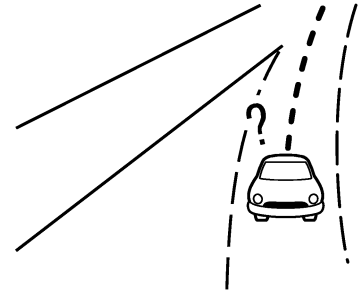
- When the vehicle is rotated on a parking lot turntable while the ignition switch is off



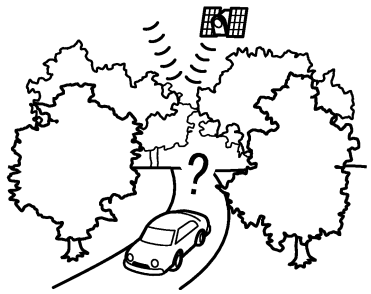
- When the vehicle is on a loop bridge



- When repeatedly turning left or right, or driving in zigzags



- When driving on a road not displayed on the map screen or a road that has been changed due to additional construction or other reasons



- When the GPS positioning accuracy is low

INFO:

- The vehicle icon may be misaligned when starting the vehicle just after starting the engine or the hybrid system.
- The vehicle icon may also be misaligned if different sized tires or tire chains are installed.
- The system has a function that automatically corrects the vehicle icon position when it is misaligned from the actual position.
- If the vehicle icon position does not return to normal even after driving for a while, correct the vehicle icon position manually.

Detailed Map Coverage Areas (MCA)

This system is designed to assist guidance to the destination, and it also performs other functions as outlined in this manual. However, the system must be used safely and properly. Information concerning road conditions, traffic signs and the availability of services may not always be up-to-date. The system is not a substitute for safe, proper and legal driving.

Map data covers select metropolitan areas.

Map data includes two types of areas: "Detailed coverage areas" providing all detailed road data and other areas showing "Main roads only".

INFO:

Detailed map data is not available in many areas and is generally limited to select major metropolitan areas.

ROUTE CALCULATION

- The navigation system does not provide route guidance for roads displayed in dark green.
- If the destination is set on a dark green road, the enlarged map display will switch to the ordinary map screen at some point and suggest a route that is near the destination. The distance and direction to the endpoint of the suggested route will be displayed in the lower right corner of the screen. Also, at this time, voice guidance will announce, "The route to the destination includes roads through incomplete map areas. Voice guidance will not be provided in these areas."

  When approaching the endpoint of the suggested route, voice guidance will announce, "Entering the road with incomplete map data. Use the direction arrow and distance information to proceed to your destination."

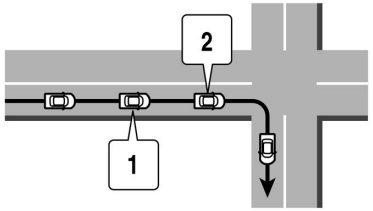
  To reach the destination, refer to the map screen. Always follow actual roads and regulations and drive safely.
- The suggested route may not be the shortest, nor are other circumstances such as traffic jams considered.
- Because of the inevitable difference in road conditions and circumstances between the time you use this system and the time the information was produced for the map data, there may be discrepancies in roads and regulations. In such cases, actual road conditions and regulations take precedence over map data information.
- During route calculation, the map will not scroll, however the vehicle icon will move according to the actual vehicle's movement.
- In some cases, after the calculation is

complete, the calculated route may not be displayed immediately.

- Waypoints that have been passed will be disregarded by rerouting calculation.
- If you scroll the map while the suggested route is being drawn, it may take more time to finish drawing.
- If waypoints are set, the system calculates routes between waypoints simultaneously, and the following may result.
  — If one section between waypoints cannot be calculated, none of the route will be displayed.
  — The route may require a U-turn close to some waypoints.
- Route calculation may not be completed in the following cases.
  — If there is no main road within a range of 2.5 km (1.5 miles) from the vehicle, a message saying so will appear on the screen. Try recalculating when the vehicle is closer to a main road.
  — If there is no main road within a range of 2.5 km (1.5 miles) from the destination or waypoint, a message saying so will appear on the screen. Try setting the location closer to a main road.
  — If the vehicle is too close to the destination or if there are no roads to the destination, a message saying so will appear on the screen.
  — If it is impossible to reach the destination or waypoints because of traffic regulations, etc.
  — If the only route to reach the destination or waypoints is extremely complicated.
- The following may occur when the route is displayed.
  — If you calculate a route on a main road, the starting point of the route may not exactly match the current vehicle location.
  — The endpoint of the route may not exactly match the destination.
  — If you calculate a route on a main road, the system may display a route from another main road. This may be because the position of the vehicle icon is not accurate. In this case, park the vehicle in a safe location and reset the vehicle icon, or continue driving to see if the position of the vehicle icon is automatically adjusted before recalculating the route.
  — There are cases in which the system shows an indirect route to reach the destination or waypoints if you set them from stored or facility information. In order to correct this, you must pay attention to the traffic direction, especially when lanes with different travel directions are shown separately, such as interchanges and service areas.
  — This system makes no distinction between limited traffic control and total control (blockage). It may show an indirect route even if the road is usable.
  — Even if the motorway preference is set to OFF, a route that uses a motorway may be suggested.
  — Even if the ferry preference is set to OFF, a route that uses a ferry line may be suggested.

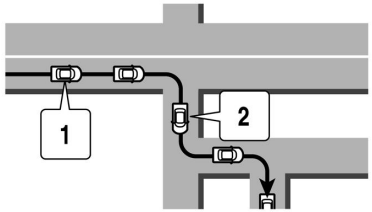
ROUTE GUIDANCE

Notification of intersection on ordinary road



1. “In 400 meters (1/4 mile), turn right (left).”
2. “Turn right (left) now.”

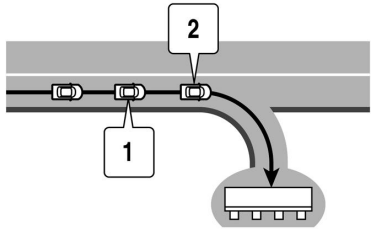
Notification of consecutive intersections on ordinary roads



When the road has three or more consecutive intersections ahead, voice guidance will announce the following.

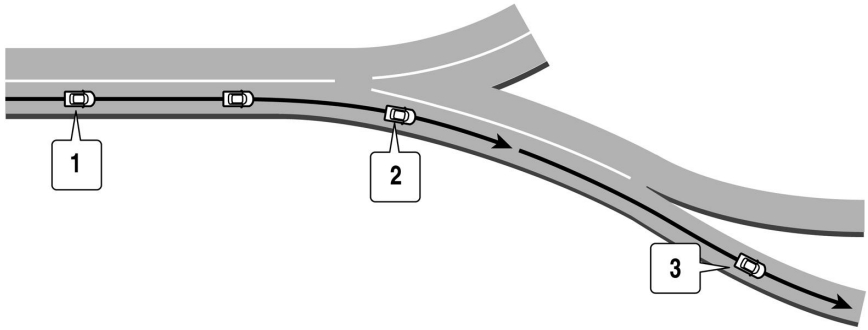
1. “In 400 meters (1/4 mile), turn right (left), then in 400 meters (1/4 mile) turn left (right).”
2. “Turn left (right) now, then in 400 meters (1/4 mile) turn right (left).”

Notification of motorway entrance (if equipped)



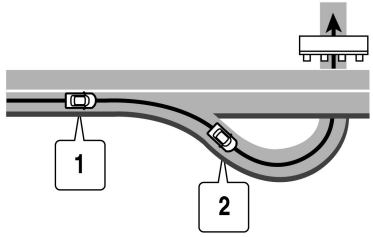
1. “In 400 meters (1/4 mile), take the motorway entrance.”
2. “Turn right (left) now.”

Notification of motorway junction (if equipped)



1. "In 2 kilometers (1 mile), keep to the right (left) onto (road number), then in 400 meters (1/4 mile) keep to the right (left)."
2. "In 400 meters (1/4 mile), keep to the right (left) onto (road number)."
3. "Keep to the right (left) now."

Notification of motorway exit (if equipped)



1. "In 2 kilometers (1 mile), take the exit on your right."
2. "In 2 kilometers (1 mile), take the second exit on your right."

MAP DATA

SD card slot

The SD card slot located in the center console box or on the driver's side of the lower instrument panel depending on the vehicle model.

NOTE:

- **Never insert foreign objects such as coins into the SD card slot. Doing so may result in a malfunction of the device.**
- **Do not apply overload to the SD card when inserting it to the slot. Doing so may result in a malfunction of the device.**
- **The SD card may be hot when it is removed from the device. This does not indicate a malfunction.**

How to handle the map SD card

When handling the map SD card, please be careful and adhere to the following instructions:

- An SD card is inserted in the slot or provided with your vehicle. This is an SDHC card that is exclusively used for

this device. This card includes the map data. The SDHC card is necessary to operate the device. Do not remove this card except when the map data requires updating.

- Never analyze, modify, delete or format the map data. Doing so may cause improper operation of the device.
- The SDHC card that is exclusively used for this device will not work properly if it is inserted in another device.
- The map data cannot be used even if it is copied to another SDHC card.
- Do not remove the SDHC card containing map data that is inserted in the slot. When this SDHC card containing map data is removed the navigation system will not operate. If the SDHC card containing map data is accidentally removed, after reinserting the SDHC card containing map data into the slot, place the ignition switch in the OFF position and then place it back in the ON position again.
- If you have to take out the SDHC card, push the inserted SDHC card in and release it to eject the SDHC card from the slot.

How to order map data updates

To order updated map data, contact a NISSAN dealer.

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WARNING:

- **This navigation system should not be used as a substitute for your own judgment. Any route suggestions made by this navigation system may never override any local traffic regulations, your own judgment, and/or knowledge of safe driving practices.**

  Disregard route suggestions by the navigation system if such suggestions would: cause you to perform an hazardous or illegal maneuver, place you in an hazardous situation, or route you into an area you consider unsafe.
- **The advice provided by the navigation system is to be regarded only as a suggestion(s). There may be situations where the navigation system displays the vehicle's location incorrectly, fails to suggest the shortest course, and/or fails to direct you to your desired destination. In such situations, rely on your own driving judgment, taking into account the current driving conditions.**
- **Do not use the navigation system to route you to emergency services. The database does not contain a complete listing of the locations of emergency service providers such as police, fire stations, hospitals and clinics. Please use your judg-**

ment and your ability to ask for directions in these situations.

- **As the driver you solely are responsible for your driving safety.**
  - **— In order to avoid traffic accidents, do not operate the system while driving.**
  - **— In order to avoid traffic accidents, operate the system only when the vehicle is stopped at a safe place and the parking brake is set.**
  - **— In order to avoid traffic accidents or traffic offences, remember that the actual road conditions and traffic regulations take precedence over the information contained on the navigation system.**
  - **— Accordingly, the Software may contain inaccurate or incomplete information due the passage of time, changing circumstances, and the nature of the sources used. Please observe the actual traffic circumstances and regulations at all times while driving.**
  - **— In a situation when the actual road conditions and traffic regulations differ from the information contained on the navigation system, abide by the traffic rules.**
  - **— The navigation system does not provide, or account for in any way, information regarding traffic and road laws; speed restrictions; road conditions including road slope, grade, and/or surface conditions; obstruction information including bridge and tunnel height and width, and/or other prevailing driving and/or road conditions. Always rely on your own driving judgment, taking into account the current driving conditions.**
  - **— Minimize the amount of time spent viewing the screen while driving.**

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11. Contains material adapted from Gold Coast Cycleway Guide 2015 published by City of Gold Coast Council http://data.gov.au/dataset/5c841f92-0d3c-409a-bbb2-c9b5c81cc490 available under a Creative Commons Attribution 3.0 CC BY 3.0 AU License at http://creativecommons.org/licenses/by/3.0/au/.

New Zealand

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while driving

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MEMO

7 Voice recognition

Voice Recognition System 7-2
Using Voice Recognition System 7-2
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Giving voice commands 7-2
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USING VOICE RECOGNITION SYSTEM

Initialization

The Voice Recognition System will activate in a few seconds after the ignition switch is placed in the ACC or ON position. Once activation is complete, you can start using the system by pushing **< >** on the steering wheel and speaking voice commands. If **< >** on the steering wheel is pushed before the activation completes, the display will show a message to wait until the system is ready.

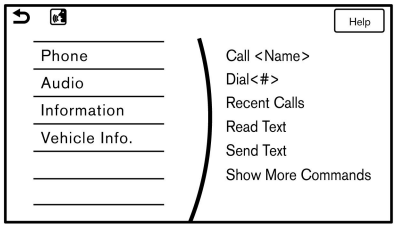
BEFORE STARTING

To get the best recognition performance from the Voice Recognition System, observe the following items.

- The interior of the vehicle should be as quiet as possible. Close the windows to eliminate surrounding noises (traffic noise and vibration sounds, etc.), which may prevent the system from correctly recognizing the voice commands.
- Wait until the tone sounds before speaking a command.
- Speak in a natural conversational voice without pausing between words.
- The Voice Recognition System can only be operated in the languages that are supported by the Voice Recognition System.
- Available voice commands may vary depending on the language setting.
- For models with voice recognition control capability of navigation function:
  — The navigation system related commands can only be used within the area where the map data is included in the navigation system.
  — To use navigation system related commands, the language that is officially spoken in the country of the destination must be selected in the language setting. Destination commands are mostly only available in the languages that are mainly spoken in the country.
  ☞ "Language settings" (page 2-25)
  ☞ "Language & Units settings" (page 2-26)
  ☞ "Command list" (page 7-6)

GIVING VOICE COMMANDS

1. Push **< >** located on the steering wheel.



Example

2. A list of commands appears on the screen, and the system provides a voice menu prompt.

   When this screen is displayed, almost all of the commands can be recognized. Available commands for each category can be shown on the right side of the screen. Use the multifunction controller to highlight a category listed on the left side of the screen and display the available commands by category.

INFO:

Selecting a category by touching the screen or pushing **<ENTER>** will execute the command. After executing the category command, only the commands related to the selected category can be recognized.
☞ "Command list" (page 7-6)

3. After the tone sounds and the icon on the screen changes from to , speak a command. You can also select a command by touching the screen directly.

INFO:

The Voice Recognition System will pause operation when the multi-function controller is moved. To resume operation, push **<** **>** on the steering wheel.

4. Continue to follow the voice menu prompts and speak after the tone sounds until the preferred operation is completed.

INFO:

To cancel the voice command, push and hold **<** **>**.
You can interrupt the voice prompt at any time by pushing **<** **>**.

Operating tips

- Speak a command after the tone.
- If the command is not accepted, the system prompts you to speak the command again. Repeat the command in a clear voice.
- Push **<** **>** on the steering wheel once to return to the previous screen.
- Voice commands spoken from the passenger seat cannot be recognized.
- When **<** **>** on the steering wheel is pushed while the air conditioner is set to the Auto mode, the system controls the air conditioner fan speed in order to improve Voice Recognition performance. When the fan speed is set higher than the 4th speed position, the fan speed is decreased to 4th speed. When the air conditioner is set to the manual mode, the fan speed does not change. The accuracy of Voice Recognition may be affected depending on the fan speed and the air direction.
- To skip the voice guidance function and give the command immediately, push **<** **>** on the steering wheel to interrupt the system. Remember to speak after the tone.
- To cancel the command, push and hold **<** **>** on the steering wheel.
- To adjust the volume of the system feedback, push **<–+>** on the steering wheel or use **<VOL/ON·OFF>**/**<VOL/** **>** on the audio system while the system is making an announcement.

Voice Prompt Interrupt:

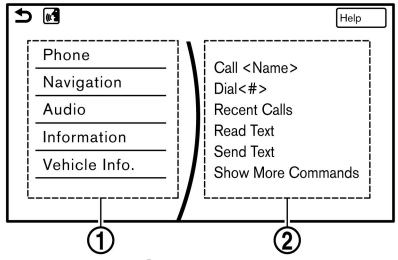
By pushing **<** **>** on the steering wheel, the voice prompt can be interrupted allowing you to speak a voice command without listening to the voice prompt till the end. Remember to wait for the tone before speaking.

How to display voice command screen

1. Push **<** **>** to display the first screen of the voice command list.
2. Speak a command or select an item from the voice command list. The second screen is displayed.
3. Speak a command. The list screen is displayed.
4. Speak the preferred number from the list to perform operation.

INFO:

The voice commands can be spoken one at a time following prompts step by step or spoken successively in one step.



First screen

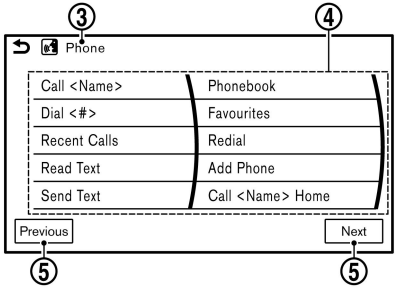
① Available command list (Left side):

Shows available command list. It is also available to select a command from this list by touching screen or

using the multi-function controller.

② Available command list (Right side):

Displayed commands are only available to execute through Voice Recognition. You can say commands from the left screen and the right screen continuously.



Second screen

③ Previously selected command:

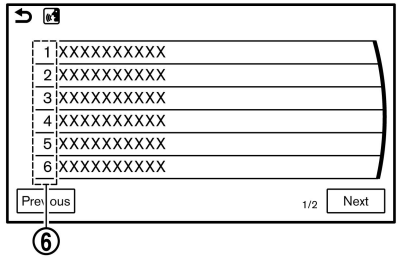
A command previously spoken or selected is displayed.

④ Command list:

You can say a command from the list, touch the screen directly, or select using the steering wheel switch or the multi-function controller. You can say preferred word for < > enclosed part of the command.

⑤ [Previous]/[Next]:

Say as a command or touch to go to the previous/next screen. It cannot be selected using the steering wheel switch or multi-function controller.



List screen

⑥ Command numbers:

Speak 1 to 6 numbers to select. Also, you can touch the screen directly, or select using the steering wheel switch or the multi-function controller.

How to speak numbers

The Voice Recognition System requires the user to speak numbers in a certain way when giving voice commands.

General rule:

Only single digits 0 (zero) to 9 can be used. (For example, if speaking 500, "five zero zero" can be used, but "five hundred" cannot.)

Examples:

1-800-662-6200

"One eight zero zero six six two six two zero zero"

For the best recognition, speak "zero" for the number "0" and "oh" for the letter "o".

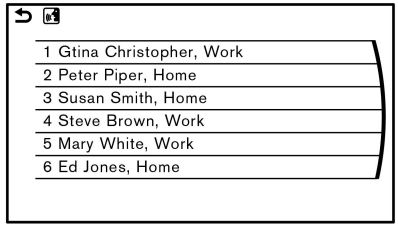
INFO:

For Korea:
For operations in Korean, both Sino-Korean (il, i, sam, etc.) and native Korean (hana, dul, set, etc.) numerals can be used in speaking numbers.

Voice command examples

As examples, some additional basic operations that can be performed by voice commands are described here.

Example 1– Placing a call from hands-free phonebook:



1. Push **<** **>** located on the steering wheel.

2. Wait for the indicator to change to and speak “Phone”.

INFO:

You can also speak “Phone” and then “Call <Name>” successively.

3. Speak “Call <Name>”.

   When options (Home, Work, etc.) are registered to a name in the contact list of a cellular phone, the option can be commanded directly.

   Example: “Call Steve Brown Work” or “Call Steve Brown Other”.

4. The system prompts you to speak or select an item number from the displayed list. To select a displayed matching item, speak a number from between 1 and 6.

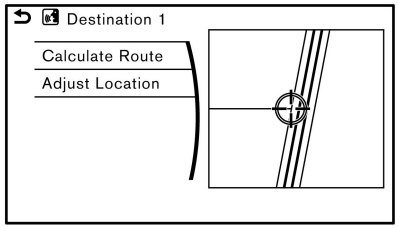
INFO:

If the selected number has more than one phone number registered to it, the phone number list is displayed.

Example 2– Playing radio:

1. Push **<** **>** located on the steering wheel.
2. Wait for the indicator to change to and speak “Audio”.
3. Speak “Play FM” to turn on the FM radio.

Example 3 - Setting destination by Nearby Places (if equipped):



1. Push **<** **>** located on the steering wheel.
2. Wait for the indicator to change to and speak “Navigation”.
3. Speak “Nearby”.

   If a route is already set, choose “Near Current Location”, “Along Route” or “Near Destination”.

4. Speak a category number (between 1 to 6) from the displayed candidates.
5. Speak the list of places of interest in the category.
6. Speak “Calculate Route” to start calculating a route to the destination.

Command list

To use the voice recognition function, you can speak commands in the order of 1st command, 2nd command and 3rd command. You can also operate the system by speaking the 2nd or 3rd command directly.

Variable numbers or words such as names can be applied in < > when speaking a command.

Acceptable commands may vary depending on models, specifications and conditions.

General command

Command	**Action**
Show More Commands	Displays other commands of the same category.
Go back	Corrects the last recognition result to return to the previous screen.
Exit	Cancel Voice Recognition.
Next	Skip to the next page.
Previous	Skip to the previous page.

General phone command

The following commands can be used during the Voice Recognition session.

Command	**Action**
Dial	The system makes a call to a spoken phone number.
Change Number	Corrects the phone number when it is not recognized (available during phone number entry).

Phone command

1st command	**2nd command**	**3rd command**	**4th command**	**Action**
Phone	Call <Name>	< 1–6 >		Makes a call to a contact that is stored on the cellular phone. Select from the list of displayed contacts on the right side of the screen.
	Call	<phonebook name>		Make a call to a contact that is stored on the cellular phone.
		<phonebook name> <type>		Make a call to a contact that is stored on the cellular phone. You can select type from “Work”, “Home” or “Other”.

1st command	2nd command	3rd command	4th command	Action
	Dial <#>	Dial		Makes a call to a spoken phone number.
		Change Number		Changes the number to call.
	Dial	<phone number static>		Makes a call to a spoken phone number.
	Recent Calls	<1-6>		Makes a call to the recent incoming, outgoing, or missed call number.
	Read Text	<1-6>	Play	Listens to recent text message received.
			Reply	Replies to received message.
			Call	Calls the sender of the message.
	Send Text	<phonebook name>		Selects a text message from the list and sends it to a contact name. You can select type from “Work”, “Mobile”, “Home”, or “Other”.
		<phonebook name> <type>		
	Phonebook	<phonebook name>		Makes a call to a contact that is stored on the cellular phone. You can select type from “Work”, “Mobile”, “Home”, or “Other”. Select “Reply” to reply to a message. Select “Call” to call the sender.
		<phonebook name> <type>		
	Favorites/Favourites	<favorite name>/<favourite name> <1-6>		Accesses frequently called contacts by storing them in the favorites list.
		<favorite name> <Type>		
	Redial			Makes a call to the last outgoing phone number.
	Add Phone			Use this command to connect a compatible Bluetooth® device to the system. Follow the on-screen instructions to complete the pairing process from your handset.
	Call <Name> Work	<1-6>		To call someone’s work place, say the person’s name stored in the phonebook on your cellular phone between “Call” and “Work”.
	Call <Name> Mobile	<1-6>		To call someone’s cellular phone, say the person’s name stored in the phonebook on your cellular phone between “Call” and “Mobile”.

1st command	2nd command	3rd command	4th command	Action
	Call <Name> Home	<1-6>		To call someone's home, say the person's name stored in the phonebook on your cellular phone between "Call" and "Home".
	Call <Name> Other	<1-6>		To call someone at a place categorized as "Other", say the person's name stored in the phonebook on your cellular phone between "Call" and "Other".

INFO:

The system can read out SMS text messages in voice.
However, it cannot always read the text correctly.

Audio command

1st command	2nd command	3rd command	Action
Audio	iPod Play Artist <Name>	<1-6>	Turns on the iPod mode, selecting the artist.
	iPod Playlist <Name>	<1-6>	Turns on the iPod mode, playing the spoken playlist.
	iPod Play Album <Name>	<1-6>	Turns on the iPod mode, selecting the album.
	iPod Play Song <Name>	<1-6>	Switches to the iPod mode, selecting the track. You can speak the commands successively.
	USB Play Artist <Name>	<1-6>	Turns on the USB mode, selecting the artist.
	USB Play Album <Name>	<1-6>	Turns on the USB mode, selecting the album.
	USB Play Song <Name>	<1-6>	Switches to the USB mode, selecting the track. You can speak the commands successively.
	Play <Source Name>		Plays the spoken audio source.
	DISC		Switches to CD or DVD (if equipped).

1st command	2nd command	3rd command	Action
	USB All Artists		Displays the USB all artists list.
	USB All Albums		Displays the USB all albums list.
	USB All Folders		Displays the USB all folders list.
	iPod All Artists		Displays the iPod all artists list.
	iPod All Albums		Displays the iPod all albums list.
	iPod All Songs		Displays the iPod all songs list.

Notes on operating audio by Voice Recognition:

- An audio device connected via Bluetooth® cannot be operated with the Voice Recognition System. Source change is only available for Bluetooth® streaming audio.
- Song title and Artist name information will be overwritten when another iPod/iPhone is connected after song titles and artists names in the previously connected iPod/iPhone have been installed.
- If two USB devices are connected at the same time, voice operation will only be available for use with one registered and selected device. When selecting [YES] in the pop-up screen that displays after a new USB audio device is connected, the USB audio device is registered in the Voice Recognition System and is selected automatically. One iPod and one USB device can be registered in the system. If a USB audio device is newly registered, old data is overwritten. It may take a few moments to register an audio device. If you want to enable voice operation for music stored on a previously registered audio device, select the device you want to use in advance.

  ☞ "Voice recognition settings" (page 7-13)

  Even when a device has been previously registered, simply connecting the device will not result in it being selected automatically.
- The Voice Recognition System may not function when the song information is too long (artist names, album titles, song titles, and playlists, etc.)

General navigation command (if equipped)

The following commands can be used during the Navigation voice recognition session.

Command	Action
Calculate Route	Calculate a route.
Adjust Location	Fine-tune the destination.

Navigation command (if equipped)

1st command	2nd command	3rd command	Action
Navigation	Nearby <POI Category> (when a destination is not set)	<1 - 6>	Say “Nearby” followed by a POI category name such as Gas station, Restaurant or Parking. You can say any category name that appears when using manual controls. The system will always search for nearby matches regardless of the current location.
	Nearby <POI Category> (when a destination is set)	Near Current Location	If a route is already set, you can search for a destination from “Near Current Location”.
		Along Route	If a route is already set, you can search for a destination from “Along Route”.
		Near Destination	If a route is already set, you can search for a destination from “Near Destination”.
	Nearby (when a destination is not set)	<1 - 6>	To select a POI category, speak a command number.
	Nearby (when a destination is set)	Near Current Location	If a route is already set, you can search for a destination from “Near Current Location”.
		Along Route	If a route is already set, you can search for a destination from “Along Route”.
		Near Destination	If a route is already set, you can search for a destination from “Near Destination”.

1st command	2nd command	3rd command	Action
	Go Home		Set a route to your home location.
	Previous Destinations	<1 - 6>	Set a route to a previously entered destination.
	Address Book	<Address Book name> <1 - 6>	Set a route to a location stored in the Address Book.
	Cancel Route		Delete the destination and waypoints.
	Recalculate Route	Freeway Preferred	Set the route search condition to find the fastest time.
		Shortest Distance	Set the route search condition to find the shortest distance.
		Minimize Toll Roads	Set the route search condition to find a route with the use of toll roads minimized.
	Zoom In <1 - 13>		Increase the magnification of the map by the number of steps specified.
	Zoom Out <1 - 13>		Decrease the magnification of the map by the number of steps specified.
	Zoom Streets		Change to the street map.
	North Up		Lock the map to make North always point up.
	Heading Up		Lock the vehicle indicator to make it always point up.
	2D Map		Change the current map to 2D map.
	3D Map		Change the current map to 3D map.
	Show POI Icons		Display POI icons on the map.
	Remove POI Icons		Remove POI icons from the map.
	Repeat Instruction		Speaks the current navigation guidance.

1st command	2nd command	3rd command	Action
	Voice Guidance OFF/Voice Guidance ON		Turn the navigation guidance on/off.

Information command

1st command	2nd command	Action
Information	Route Information	Display route information.

Vehicle information command (if equipped)

1st command	2nd command	Action
Vehicle Info.	Tyre Pressures/ Tire Pressures	Display tire pressures information on the display.
	Fuel Economy	Display fuel economy information on the display.
	Maintenance	Display maintenance information on the display.

VOICE RECOGNITION SETTINGS

Voice recognition functions can be set.

1. Push **<SETTING>**.
2. Touch [Voice Recognition].
3. Touch the item you want to set.

Available settings

- [Minimize Voice Feedback]/[Minimise Voice Feedback]:
  Set the function ON (provides short feedback) or OFF (provides long feedback).
- [Audio Device Setting]:
  Select an audio device to be operated via the Voice Recognition System from the list of devices registered to the in-vehicle audio system. The device with an indicator light illuminated can be operated with the Voice Recognition System.

MEMO

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CUSTOMER ASSISTANCE

For assistance or inquiries about Nissan-Connect with Navigation (if equipped) and Apps or to order updated map data for the navigation system (if equipped), it is recommended that you contact a NISSAN dealer.

SYSTEM UNIT

LIQUID CRYSTAL DISPLAY

Available functions and buttons/switches may vary depending on models and specifications.

Symptom	Possible cause	Possible solution
No image is displayed.	The brightness is at the lowest setting.	Adjust the brightness of the display. ☞ "Screen settings" (page 2-23)
	The display is turned off.	Push and hold **<CAMERA☀/☽>**,**<☀/☽ OFF>**, **<CAMERA>** or **<☀/☽ OFF>** to turn on the display.
The screen is too dark.	The cabin temperature is too low.	Wait until the cabin temperature becomes moderate.
	Screen brightness is set to the maximum darkness.	Adjust the brightness setting of the screen. ☞ "Screen settings" (page 2-23)
The screen is too bright.	Screen brightness is set to the maximum brightness.	Adjust the brightness setting of the screen. ☞ "Screen settings" (page 2-23)
A small black spot or a small bright spot appears on the screen.	This is a phenomenon typical to liquid crystal display.	This is not a malfunction.
A dot or stripe pattern appears on the screen.	Electromagnetic waves that are generated from neon billboards, high voltage electric power cables, ham radios or other radio devices equipped to other vehicles may adversely affect the screen.	This is not a malfunction.
Image lag appears on the screen.	This is a phenomenon typical to liquid crystal displays.	This is not a malfunction.
Image motion displayed on the screen is slow.	The cabin temperature is below 0˚C (32˚F).	Wait until the in-cabin temperature rises to above 0˚C (32˚F).
When looking at the screen from an angle, the screen lightens or darkens.	This is a phenomenon typical to liquid crystal display.	Adjust the brightness setting of the screen. ☞ "Screen settings" (page 2-23)

Symptom	Possible cause	Possible solution
The screen turns blue or an error message is displayed on the display.	The SD card is not inserted into the slot correctly (models with navigation system).	If the SD card containing map data is accidentally removed, place the ignition switch in the OFF position and reinsert the SD card containing map data into the slot.
	A system malfunction has occurred.	Contact a NISSAN dealer for inspection.

AUDIO SYSTEM

AM RADIO

Available functions and buttons/switches may vary depending on models and specifications.

Symptom	Possible cause	Possible solution
AM reception deteriorates at night.	AM stations are required to lower their power at night.	This is not a malfunction.

DAB RADIO (if equipped)

Available functions and buttons/switches may vary depending on models and specifications.

Symptom	Possible cause	Possible solution
The sound skips, stutters or echoes.	The radio station has not properly aligned digital and analog audio.	Verify correct operation on another station. Report the station with poor performance.
The volume level is unstable.	Level alignment is inappropriate.	Verify correct operation on another station and check the station availability in the area.
The sound fades in/out.	DAB-RDS Link is taking place.	Verify transition performance on several stations.
Excessive DAB-RDS Link takes place.	The receiver is located near the edge of the DAB coverage area.	Verify the radio station coverage in your area.
The sound quality of DAB is no better than that of FM/AM.	Audio processing on the digital audio by the station can potentially decrease digital audio sound.	Verify correct operation on another station. Report the station with poor performance.
Local stations keep getting lost.	Digital coverage is slightly smaller than analog signal coverage.	Verify correct operation on another station.
	Shadowing (Urban/Terrain) can cause reduced digital coverage.	Verify correct operation on another station.
Some data fields are blank.	Text information is sent at the broadcaster's discretion.	Verify correct operation on another station. Report the station issue.
Text information is truncated.	The display is limited to a fixed number of characters and more data is being sent than can be displayed.	This is not a malfunction.
The DAB-RDS Link setting is turned on but an alternative station does not play and the signal does not appear on the display.	The tuner is waiting for the original signal to recover and is seeking an available alternative signal.	Wait for the signal to return or for the tuner to pick up an alternative signal.
"NO SIGNAL" is displayed on the screen.	The system is not receiving signals.	Move to a location where the signal can be received.
"SERVICE UNAVAILABLE" is displayed on the screen.	The selected service or ensemble is not in service.	Select a different service or ensemble.

INFO:

- When station presetting is performed while a secondary service is playing, the parent primary service will be registered.
- The DAB-RDS Link and the DAB-DAB Tracking functions do not activate for the secondary services.
- Secondary services do not appear on the station list.

COMPACT DISC (CD) PLAYER

Available functions and buttons/switches may vary depending on models and specifications.

Symptom	Possible cause	Possible solution
Music cannot be played back.	The disc is inserted upside down.	Insert the CD with the label side facing up.
	Moisture has accumulated inside the unit.	Wait until the moisture evaporates (approximately 1 hour).
	The cabin temperature is too high.	Wait until the cabin temperature becomes moderate.
	The disc is scratched or dirty.	Wipe off any dirt from the disc. Scratched discs cannot be recovered. Replace the disc.
	Depending on the condition in which they are stored, discs may become unreadable due to deterioration (for example, keeping the discs in the passenger compartment, etc.).	Replace the disc with a deterioration-free disc. Do not use a deteriorated disc. The label surface of a disc may crack or chip, and the layer of the label surface may eventually peel off.
Compressed audio files cannot be played back.	If both music CD files (CD-DA data) and compressed audio files (MP3 data, etc.) are mixed on one disc, the compressed audio files cannot be played back.	Prepare a disc that contains compressed audio files only.
	The files are not named using characters that are compliant with the specifications.	Use the character codes and the number of characters that are compliant with the specifications for the folder names and file names. In addition, always use ".MP3", ".WMA", ".AAC ", "M4A", "AA3", ".mp3" , ".wma", ".aac", ".m4a" or ".aa3" file extensions.
It takes a long time before the music starts playing.	The disc contains a large amount of data.	Some time may be required to check the files. It is recommended that unnecessary folders or any files other than compressed audio files should not be recorded on a disc.
The sound quality is poor.	The disc is dirty.	Wipe off any dirt from the disc.

Symptom	Possible cause	Possible solution
No sounds are played although the CD play time is displayed.	The system is playing the first track of a mix mode disc. (Mix mode is a format in which data except music is recorded on the first track and music data is recorded on one other than the first track in a session.)	Play music data in other tracks.
Music cuts off or skips.	The combination of writing software and hardware might not match; or the writing speed, writing depth, writing width, etc. might not match the specifications.	Create a disc using different writing speed settings, etc.
The system skips the selected track and moves to the next track.	A non-MP3/WMA file has been given an extension of ".MP3", ".WMA", ".mp3" or ".wma".	Prepare MP3/WMA files.
	Some of the file cannot be played due to copyright protection.	Prepare playable files.
The tracks do not play back in the desired order.	The folder locations on the disc are changed by the writing software while the files are written on the disc.	Check the settings of the writing software and create a new disc.

iPod PLAYER

Available functions and buttons/switches may vary depending on models and specifications.

Symptom	Possible cause	Possible solution
The system does not recognize an iPod.	The connector cable is not correctly connected or the iPod does not correctly operate.	Connect the connector cable again. If the system does not recognize the iPod after performing the procedure above, reset the iPod.
	The iPod that is connected is not compatible with the system.	Check the iPod model and firmware versions available for the system.
	The USB extension cable is not correctly connected.	Do not use a USB extension cable.
	The cable is rapidly connected to or disconnected from the USB connection port.	Slowly connect or disconnect the USB cable.
An iPod cannot be operated.	The iPod is connected to the in-vehicle audio system while headsets, etc. are connected to the iPod.	Remove all equipment from the iPod after disconnecting the iPod from the system, and then connect it to the system again.
	The iPod is not operating normally.	Disconnect and re-connect the iPod to the in-vehicle audio system.
	The system plays back an album/track that includes particular album art.	Disconnect the iPod from the in-vehicle audio system and then reset the iPod. Disable the album art and then reconnect the iPod to the system.
An iPod does not respond.	There are too many tracks in a category.	Decrease the number of tracks in a category (less than 3,000 tracks).
	The shuffle function is turned on.	Turn off the shuffle function if many tracks are stored on the iPod.
Music cannot be played back.	The connector is not connected to the iPod.	Firmly connect the connector until it clicks.
Music stops playing.	The sound cuts off due to vibration resulting from the iPod being in an unstable location.	Place the iPod in a stable location where it does not roll over.

Symptom	Possible cause	Possible solution
The sound is distorted.	The EQ (equalizer) function of the iPod is turned on.	Turn off the EQ (equalizer) function.
The iPod battery requires more time than usual to charge.	Charging the iPod battery may take longer while the iPod is playing.	If the iPod requires charging, it is recommended to stop playback.
An iPod cannot be charged while connected to the system.	The cable connected to the iPod may be deteriorated (cable disconnection, etc.).	Check the cable.
The connected iPod cannot be operated with the in-vehicle system.	iPod device recognition by the system is incomplete.	The operation of an iPod must be performed using the in-vehicle audio system after the iPod is connected to the system.
The sound skips.	Surrounding circumstances (noise, etc.) may cause the audio to skip.	This does not indicate a malfunction.
	The USB extension cable is not correctly connected.	Do not use a USB extension cable.

USB CONNECTION PORT

Available functions and buttons/switches may vary depending on models and specifications.

Symptom	Possible cause	Possible solution
The system does not recognize a USB device.	A USB extension cable is used.	Do not use a USB extension cable.
	A USB hub is used.	Do not use a USB hub.
	Connection or disconnection operation of the USB device was too abrupt.	Connect or disconnect the USB device slowly.

BLUETOOTH® STREAMING AUDIO

Available functions and buttons/switches may vary depending on models and specifications.

Symptom	Possible cause	Possible solution
Registration cannot be performed.	The Bluetooth® streaming audio device is not compatible with the in-vehicle audio system.	Check the owner's manual for the Bluetooth® streaming audio device.
	The PIN code is incorrect.	Check the PIN code for the Bluetooth® streaming audio device that is to be registered.
		Check that the PIN code for the Bluetooth® streaming audio device is consistent with that for the in-vehicle audio system.
	Another Bluetooth® device is being used in the vehicle.	Turn off the other Bluetooth® device and wait until registration is completed.
Music cannot be played.	The Bluetooth® streaming audio device is not compatible with the in-vehicle audio system.	Check the owner's manual for the Bluetooth® streaming audio device.
	The system is not in the Bluetooth® streaming audio mode.	Push **<MEDIA>** to select the Bluetooth® streaming audio mode.
	The Bluetooth® adapter is turned off.	Turn on the Bluetooth® adapter when it is used for a Bluetooth® streaming audio device.
Music stops playing.	The Bluetooth® streaming audio device is not compatible with the in-vehicle audio system.	It is recommended that you consult a NISSAN dealer for a recommended Bluetooth® streaming audio device.
	A cellular phone is connected.	This is not a malfunction.
	The sound may cut off when a Bluetooth® streaming audio device is operated.	Push **<MEDIA>** to select the Bluetooth® streaming audio mode, and then operate the device on the touch screen display.
Audio operation cannot be performed.	A Bluetooth® streaming audio device that does not support audio operations is in use.	This is not a malfunction. Refer to the owner's manual for the Bluetooth® streaming audio device.

Symptom	Possible cause	Possible solution
	An error occurs when connecting to a Bluetooth® streaming audio profile.	Turn the power source of the Bluetooth® streaming audio player off and on, and then resume connection with the system.

BLUETOOTH® HANDS-FREE PHONE SYSTEM

Available functions and buttons/switches may vary depending on models and specifications.

Symptom	Possible cause	Possible solution
A cellular phone cannot be registered.	The cellular phone is not compatible with the in-vehicle hands-free phone system.	Use a cellular phone compatible with the system. It is recommended that you consult a NISSAN dealer for model compatibility.
	Registration of the cellular phone has been performed incorrectly.	Check the registration procedure, and then register the cellular phone again.
A cellular phone cannot be connected or becomes disconnected after registration is complete.	The Bluetooth® setting of the in-vehicle hands-free phone system is turned off.	Turn on the Bluetooth® setting of the system.
	The Bluetooth® setting of the cellular phone is turned off.	Turn on the Bluetooth® setting of the cellular phone.
	The remaining battery level of the cellular phone is low.	Charge the battery of the cellular phone.
	The wireless Bluetooth® connection may be disrupted depending on the location of the cellular phone.	Do not place the cellular phone in an area surrounded by metal or far away from the in-vehicle hands-free phone system. Do not place the cellular phone close to the seats or your body.
	Registration of the cellular phone is not complete.	Perform registration of the cellular phone.
A call to a particular number fails.	If the system tries to make a call several times to the same phone number (for example: the party does not respond to the call, the party is out of the network service area, or the call is abandoned before the party responds), the system may reject a request to make a call to the phone number.	Turn the cellular phone off and then on again to reset the connection.

Symptom	Possible cause	Possible solution
The system does not recognize the connection of a cellular phone and cannot receive or make a call.	The cellular phone is not compatible with the in-vehicle hands-free phone system.	Use a cellular phone compatible with the system. It is recommended that you consult a NISSAN dealer for model compatibility.
	The cellular phone is not connected.	Check the registration procedure, and then register the cellular phone again.
	The phone operation is limited by the functions (such as dial lock, etc.) of the registered cellular phone.	Remove any settings that are limiting use of the cellular phone, and then perform registration again.
Registered voice tag is cut short.	Speaking of the voice tag did not fit within the 5 second recording period after the beep.	Speak the voice tag within 5 seconds after the beep.
The other party cannot hear your voice. The other party can hear your voice, but it cracks or cuts out.	The cellular phone is not connected.	Check the registration procedure, and then register the cellular phone again.
	The fan speed of the air conditioner is too fast.	Decrease the fan speed of the air conditioner.
	The ambient noise level is excessive. (For example: heavy rain, construction sites, inside a tunnel, oncoming vehicles, etc.)	Close the windows to shut out ambient noise.
	The noise generated by driving the vehicle is too loud.	Reduce the vehicle speed, and then speak a command.
	The incoming or outgoing voice level is too loud.	Adjust the incoming or outgoing voice level properly.
The voice is cut out or noise is heard during a call.	The wireless Bluetooth® connection may be disrupted depending on the location of the cellular phone.	Do not place the cellular phone in an area surrounded by metal or far away from the in-vehicle hands-free phone system. Do not place a cellular phone close to the seats or your body.
When a cellular phone is operated to make a call, the hands-free function is no longer available.	Some models of a cellular phone do not switch to the hands-free mode when they are operated to make a call.	This is not a malfunction. Make a call again using the hands-free function.

Symptom	Possible cause	Possible solution
The other party's voice cannot be heard. There is no ringtone.	The volume level is set to the minimum.	Adjust the volume level.
	A cellular phone is not connected.	Check the registration procedure, and then register the cellular phone again.
Each volume level (ringtone, incoming voice or outgoing voice) is different.	Each volume level is not adjusted properly.	Adjust each volume level properly.
The antenna display is different between the in-vehicle touch screen display and the screen on a cellular phone. Making or receiving a call is unavailable even though the antenna display indicates that it is possible to do so.	The antenna display varies depending on the model of cellular phone.	This does not indicate a malfunction. The antenna display and remaining battery level shown on the in-vehicle touch screen display may be different from those shown on the cellular phone screen. Use them as a reference.
A voice cannot be heard clearly when using a cellular phone behind tall buildings.	Some structures such as tall buildings, etc. may cause irregular reflection of radio waves or completely shut out radio waves that are used for cellular phones.	This is not a malfunction.
Noise is heard when using a cellular phone under/near areas of elevated railroads, high voltage electric power cables, traffic signals, or neon billboards, etc.	Electromagnetic waves that are generated from radio devices may adversely affect the cellular phone.	This is not a malfunction.
Noise is heard in the sound from the audio system while using a cellular phone.	Radio waves that are generated from a cellular phone may adversely affect the sound from the audio system.	This is not a malfunction.
The sound skips.	The cellular phone may have turned on the wireless LAN (Wi-Fi).	Turn off the wireless LAN (Wi-Fi).
The phonebook cannot be downloaded.	An error occurred during the phone pairing process.	Re-register the Bluetooth® pairing information after deleting the pairing information from both the cellular phone and the vehicle system.

NAVIGATION (if equipped)

BASIC OPERATIONS

Available functions and buttons/switches may vary depending on models and specifications.

Symptom	Possible cause	Possible solution
No voice guidance is available. The volume is too high or too low.	The volume is not correctly set or the sound is turned off.	Adjust the volume of the voice guidance.
	Voice guidance is not provided for certain streets (roads displayed in gray).	This is not a malfunction.
The map does not appear on the screen.	A screen other than the map screen is displayed.	Push **<MAP>** or **<MAP/VOICE>**.
The screen is too dim. The movement is slow.	The temperature in the interior of the vehicle is low.	Wait until the interior of the vehicle warms up.
Some pixels in the display are darker or brighter than others.	This condition is an inherent characteristic of liquid crystal display.	This is not a malfunction.
Some menu items cannot be selected.	Some menu items become unavailable while driving.	Park the vehicle in a safe location, and then operate the navigation system.
Navigation system related functions cannot be operated.	The SD card is not inserted into the slot.	Insert the appropriate SD card.

NAVIGATION DISPLAY

Available functions and buttons/switches may vary depending on models and specifications.

Symptom	Possible cause	Possible solution
Names of roads and locations in 2D View and Birdview™ do not match.	The quantity of the displayed information is reduced so that the screen does not become too cluttered. There is also a chance that the names of the roads or locations may be displayed multiple times, and the names appearing on the screen may be different because of a processing procedure.	This is not a malfunction.
The vehicle icon is not displayed in the correct position.	The vehicle was transported, for example by a ferry or vehicle transporter, after the vehicle power was turned off.	Drive the vehicle for a period of time on a road where GPS signals can be received.
	The position and direction of the vehicle icon may be incorrect depending on the driving environment and the level of positioning accuracy of the navigation system.	This is not a malfunction. Drive the vehicle for a period of time to automatically correct the position and direction of the vehicle icon. ☞ "Current vehicle location" (page 6-52)
When the vehicle is traveling on a new road, the vehicle icon is located on another road nearby.	Since the new road is not stored in the map data, the system automatically places the vehicle icon on the nearest road available.	Update the navigation system with new map data.
The screen does not switch to the night screen even after the headlights are turned on.	The daytime screen was set the last time the headlights were turned on.	Set the screen to the night screen mode using **<CAMERA☀/)>**, **<☀/) OFF>** or **<☀OFF>** when the headlights are turned on. ☞ "Screen settings" (page 2-23)
The map does not scroll even when the vehicle is moving.	The current location map screen is not displayed.	Push **<MAP>** or **<MAP/VOICE>**.
The vehicle icon is not displayed.	The current location map screen is not displayed.	Push **<MAP>** or **<MAP/VOICE>**.

Symptom	Possible cause	Possible solution
The location of the vehicle icon is misaligned from the actual position.	The speed sensor may not be able to calculate correct vehicle location when tire chains are used or the tires have been replaced.	Drive the vehicle at approximately 30 km/h (19 MPH) for about 30 minutes without tire chains to automatically correct the vehicle icon position. If this does not correct the vehicle icon position, contact your NISSAN dealer.
	The map data is out of date.	Update the navigation system with new map data.

ROUTE CALCULATION AND VISUAL GUIDANCE

Available functions and buttons/switches may vary depending on models and specifications.

Symptom	Possible cause	Possible solution
Waypoints are not included in the auto reroute calculation.	Waypoints that have been already passed are not included in the auto reroute calculation.	To return to the waypoint, edit the route.
Route information is not displayed.	The route calculation has not yet been performed.	Set the destination and perform the route calculation.
	The vehicle is not on the suggested route.	Drive on the suggested route.
	Route guidance is turned off.	Turn on route guidance.
	Route information is not provided for certain types of roads (roads displayed in dark green).	This is not a malfunction.
The auto reroute calculation (or detour calculation) suggests the same route as the one previously suggested.	Route calculations took priority conditions into consideration, but the same route was calculated.	This is not a malfunction.
A waypoint cannot be added.	Five waypoints are already set on the route, including ones that the vehicle has already passed.	A maximum of five waypoints can be set on the route. To go to six or more waypoints, perform route calculations multiple times as necessary.
	[Start] must be selected for route calculation after waypoints are selected from the Edit Route screen.	Touch [Start] after selecting waypoints.
The calculated route is not displayed.	Roads near the destination cannot be calculated.	Reset the destination to a main or ordinary road, and recalculate the route.
	The starting point and destination are too close.	Set a more distant destination.
	The starting point and destination are too far away from each other.	Divide the trip by selecting one or two intermediate destinations, and perform route calculations multiple times.
	There are time restricted roads (by the day of the week, by time) near the current vehicle location or destination.	Turn off [Use Time Restricted Roads] setting. ☞ "Route Settings" (page 6-34)

Symptom	Possible cause	Possible solution
A part of the route is not displayed.	The suggested route includes narrow streets (roads displayed in gray).	This is not a malfunction.
The part of the route that the vehicle has already passed is deleted.	A route is managed by sections between waypoints. If the vehicle passed the first waypoint, the section between the starting point and the waypoint is deleted (it may not be deleted depending on the area).	This is not a malfunction.
An indirect route is suggested.	If there are restrictions (such as one-way streets) on roads close to the starting point or destination, the system may suggest an indirect route.	Adjust the location of the starting point or destination.
	The system may suggest an indirect route because route calculation does not take into consideration some areas, such as narrow streets (gray roads).	Reset the destination to a main or ordinary road, and recalculate the route.
The landmark information does not correspond to the actual information.	The map data is out of date.	Update the navigation system with new map data.
The suggested route does not exactly connect to the starting point, waypoints or destination.	There is no data for route calculation closer to these locations.	Set the starting point, waypoints and destination on a main road, and perform route calculation.

VOICE GUIDANCE

Available functions and buttons/switches may vary depending on models and specifications.

Symptom	Possible cause	Possible solution
Voice guidance is not available.	Voice guidance is only available at certain intersections marked with . In some cases, voice guidance is not available even when the vehicle makes a turn.	This is not a malfunction.
	The vehicle has deviated from the suggested route.	Go back to the suggested route or recalculate the route.
	Voice guidance is turned off.	Turn on voice guidance.
	Route guidance is turned off.	Turn on route guidance.
The guidance content does not correspond to the actual road conditions.	The content of voice guidance may vary depending on types of intersections at which turns are made.	Follow all traffic rules and regulations.

TRAFFIC INFORMATION (for Australia and New Zealand)

Available functions and buttons/switches may vary depending on models and specifications.

Symptom	Possible cause	Possible solution
Traffic information is not displayed.	The traffic information setting is turned off.	Turn on the traffic information setting.
	The vehicle is in an area where traffic information is not available.	Scroll to an area where traffic information is available.
	The map scale is set at a level where the icons cannot be displayed.	Check that the map scale is set to a level at which the icons can be displayed. ☞ "Traffic information on map" (page 6-39)
The automatic detour route search setting is turned on, but the suggested detour route does not avoid congested areas.	A faster route was not found, based on the road network and traffic information available.	The automatic detour search is not intended for avoiding traffic jams. It searches for the fastest route taking conditions such as traffic jams into consideration. Follow the suggested route. ☞ "Viewing available traffic information" (page 6-38)
The route does not avoid a road section with traffic information stating that it is closed due to road construction.	The navigation system does not avoid roads under construction if the day and time of the actual roadwork differs from the one that was declared.	Observe the actual road conditions and follow the instructions on the road to make a detour when necessary. If the road is closed, use the detour function and set the detour distance to avoid the road section that is closed.

VOICE RECOGNITION

Available functions and buttons/switches may vary depending on models and specifications.

Symptom	Possible cause	Possible solution
The system does not operate or fails to interpret the command correctly.	The interior of the vehicle is too noisy.	Close the windows or make sure the other occupants are quiet.
	The fan speed of the air conditioner is too fast.	Decrease the fan speed of the air conditioner.
	The noise generated by driving the vehicle is too loud.	Reduce the vehicle speed, and then speak the command.
	The voice command is spoken in a low voice.	Speak the command in a louder voice.
	The command is spoken too fast.	Speak the command after confirming the following: Voice guidance is announced, a tone sounds, and an icon on the screen changes from white to orange.
	The command is spoken too slowly.	Speak in a natural voice without pausing between words.
The system prompts to repeat a command.	Pronunciation is unclear.	Speak clearly.
	The command is spoken too late after the tone.	Speak the command within 5 seconds after confirming the following: Voice guidance is announced, a tone sounds, and an icon on the screen changes from white to orange.
	An improper command is spoken.	Speak the command or a number that is displayed in white on the screen.
		Speak a command that is shown in the command list.
The system does not correctly recognize a number spoken.	Many numbers are spoken at once.	Place a pause between the appropriate digits for correct recognition by the system. When speaking a telephone number, place a pause between area codes and dial codes, etc.

Symptom	Possible cause	Possible solution
Voice recognition does not operate, and a tone sounds twice after **<** **>** is pushed.	**<** **>** is pushed before the system is ready to accept voice commands.	After turning on NissanConnect with Navigation (if equipped) and Apps, wait for the Voice Recognition System to be ready before giving voice commands.
The USB memory device cannot operate with voice recognition.	Depending on the device, an iPhone or iPod may be recognized as a USB memory device.	This is not a malfunction.
	More than one audio device is connected to the USB connection port.	Only one audio device can be operated with the Voice Recognition System even when multiple numbers of devices are connected. Select an audio source to operate with the Voice Recognition System.
The USB/iPod operation screen is grayed out.	The audio device is not connected.	Connect an audio device to the system.
	An audio source to be operated with the Voice Recognition System has not been selected.	Select an audio source to be operated with the Voice Recognition System.
An error message is displayed when trying to select a track and operate the USB/ iPod.	The track information is being processed for registration by the system.	Song information will be loaded into the system when a new audio device is registered for the first time or when the song information in the pre-registered device has been changed. Wait for the loading to complete (this may take from a few minutes up to an hour).
	The number of songs stored on the connected audio device exceeds its capacity.	Decrease the number of songs stored on the audio device.
	No song is stored on the audio device.	Store songs on the connected audio device. Storing songs with information such as artist name, album name, song name, and playlist, etc. will make voice recognition song search available.
The voice recognition commands is not displayed in the voice operation menu screen.	Voice recognition command preparation for the system is not completed immediately after the system is started.	Display any screen other than the voice recognition screen, and then push **<** **>**.

Symptom	Possible cause	Possible solution
The system does not correctly recognize a Point of Interest (POI) name spoken (models with navigation system).	There are some rare cases where a POI is unavailable by voice recognition but the location can be found on the map.	This is not a malfunction. Consider using an alternative search method, like a street address.
	Partial or alias name is spoken.	For best results, speak the full name.
	Some POI category names can only be searched when nearby.	This is not a malfunction.

MEMO

MEMO

MEMO

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