



Mitsubishi Multi-Communication System

Introduction

Thank you for buying a Mitsubishi Motors product.

In order to fully utilize the functionality of this product and ensure safe and correct operation, please read the "User Manual" carefully before operation.
After reading the "User Manual", ensure this is kept readily available, and refer to it again if you do not understand any points, or in the event of problems.

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Introduction

The followings are what you need to know before using this product.

Before Use

Disclaimers

- Mitsubishi Motors will in no way be held responsible for losses resulting from fire, earthquake, tsunami, flood, or other natural disasters; from actions of third parties; from other accidents; or from inappropriate or abnormal usage conditions utilized by the customer, be said conditions deliberate or unintentional.
- There will be no indemnification for alteration or loss of any information stored upon this product (address book etc.) by the customer or a third party resulting from improper use of this product, the influence of static electricity or electric noise, or at the time of malfunction or repair or similar circumstances. We recommend that you create backups of important information as a precautionary measure.
- Some personal information (addresses in address book, telephone numbers etc.) input into this product may remain in memory even if this product is removed. The customer is responsible for proper handling and management (including deleting) of personal information to protect privacy when handing this product over to anyone else or disposing of it. Mitsubishi Motors will in no way be held responsible.
- Mitsubishi Motors will in no way be held responsible for any collateral losses (loss of business profits, alteration or loss of recorded data) resulting from the usage or inability to use this product.
- Please be aware that the map displayed is from when the data was prepared, so it may differ from current conditions. Also, Mitsubishi Motors will in no way be held responsible for any losses resulting from map data inadequacies.
- This product contains data on traffic regulations, but due to changes in traffic rules, this data may differ from the actual traffic rules. Always obey the actual traffic regulations. Also, Mitsubishi Motors will in no way be held responsible for any losses resulting from traffic accidents or traffic rule violations due to traffic regulation data inadequacies.
- Returns, refunds, exchange, or conversion for reasons of map data inadequacy or the like are not possible. There may be times when the map data does not match the specific objective of the user. The contents of the map data are subject to change without notice. The map data may contain wrong or missing characters, incorrect locations etc.
- The rule guidance and audio guidance, for example when to turn, may sometimes differ from the actual traffic signs or traffic regulations. Always obey the actual traffic signs and actual traffic regulations.
- For the purpose of product improvement, specifications and external appearance may be subject to change without advance notice. Accordingly, while the contents of the User Manual may differ, please be aware that returns, refunds, exchange, or conversion are not possible.
- This User Manual explains details for multiple vehicle models together. Depending on the vehicle model, there may be functions that may be described but not available, or requirements for separately purchased-products. Thank you for your understanding.
- Images and illustrations used in the User Manual are either those used in development, or used for explanations. Please be aware that these may differ from the actual images and illustrations used in the product.
- Please be aware that Mitsubishi Motors, including after-sales service departments, will in no way be held responsible for any losses or detriment resulting from alteration or loss of any information stored in this product, including customer registration information.

Important Points on Usage

Common

- During operation, ensure that the vehicle is not stationary in a garage or other confined area with bad ventilation while the engine is running. Doing so may result in gas poisoning.
- For safety, the driver is not to operate this product while the vehicle is moving. The driver should also minimize as much as possible the time spent viewing the screen. Being distracted by the screen can result in an accident.
- Do not turn the volume up to the extent that you cannot hear sounds from outside the vehicle while driving. Driving without being able to hear sounds from outside the vehicle can result in an accident.
- Do not disassemble or modify the product. This may lead to malfunction, smoking, or fire.
- Avoid relying on this product for guidance to emergency facilities (hospitals, fire departments, police, etc.). Contact such emergency facilities directly.
- When operating, ensure that the vehicle is stopped in a safe area in which stopping is permitted.
- Continued usage of this product without the engine running may deplete the vehicle battery, meaning that the engine may not be able to start. Ensure this product is used while the engine is running.

- The following phenomena are characteristic of LCD screens. They do not indicate a malfunction.
 - Small black dots or bright dots (red, blue, green) on the screen.
 - Screen movement is slow during cold weather.
 - The screen is sometimes dark during hot weather.
 - The color tones and brightness vary with the viewing angle.
- It is a characteristic of LCD screens that the picture quality varies with the viewing angle. When using this product for the first time, adjust the picture quality.
- If you paste a commercially-available LCD protective film or the like on the screen, it may interfere with touch panel operation.
- If you operate the touch panel with a sharp object (pen tip, finger nail, etc.), the screen may be scratched and this unit may be damaged, leading to faulty operation.
- Operating the touch panel with gloves on may cause faulty operation.
- When cleaning the screen, wipe it with a soft cloth. Do not use benzene, paint thinners, anti-static agents, or other chemical wipes. They could scratch the screen.

iPod/iPhone Playback Function (Option)

- This product supports audio playback from iPod/iPhone devices, however differing versions mean that playback cannot be guaranteed.
- Please be aware that depending on the iPod/iPhone model or version, operation may differ.

FCC 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 CAUTION

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

Restrictions on Operations while the Vehicle Is Driving

Some operations are restricted while the vehicle is driving. The driver should refrain from operating this product while the vehicle is moving. First stop the vehicle in a safe location, then operate this product.

How to Clean

- If the product becomes dirty, wipe with a soft cloth.
- If very dirty, use a soft cloth dipped in neutral detergent diluted in water, and then wrung out. Do not use benzene, thinners, or other chemical wipes. This may harm the surface.

Trademarks

- Product names and other proper names are the trademarks or registered trademarks of their respective owners.
- Furthermore, even if there is no specific denotation of trademarks or registered trademarks, these are to be observed in their entirety.



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here

Maps for Life



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Continued on the next page

Made for



"Made for iPod," "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.

iPhone, iPod, iPod classic, iPod nano, and iPod touch are trademarks of Apple Inc., registered in the U.S. and other countries.

Apple is not responsible for the operation of this device or its compliance with safety and regulatory standards

* This product is compatible with iOS5 on the "iPod touch" and "iPhone".

* iPod and iTunes licensing allows individual users to privately reproduce and play back non-copyrighted material as well as material that may be legally copied and reproduced. Infringement of copyright is prohibited.

* The supported devices for vehicles with a Bluetooth® 2.0 interface vary. For details, refer to the vehicle's user manual.

iPod



iPod
5th generation
(video)
60GB 80GB



iPod
5th generation
(video)
30GB

iPod classic



iPod classic
160GB (2009)



iPod classic
160GB (2007)



iPod classic
80GB

iPod nano



iPod nano
6th generation
8GB 16GB



iPod nano
5th generation (video camera)
8GB 16GB



iPod nano
4th generation (video)
8GB 16GB



iPod nano
3rd generation
(video)
4GB 8GB



iPod nano
2nd generation
(aluminum)
2GB 4GB 8GB



iPod nano
1st generation
1GB 2GB 4GB

iPod touch



iPod touch
4th generation
8GB 32GB 64GB



iPod touch
3rd generation
32GB 64GB



iPod touch
2nd generation
8GB 16GB 32GB



iPod touch
1st generation
8GB 16GB 32GB

iPhone



iPhone 4S
16GB 32GB 64GB



iPhone 4
16GB 32GB



iPhone 3GS
8GB 16GB 32GB



iPhone 3G
8GB 16GB

Important Points on Safety for the Customer

This product features a number of pictorial indications as well as points concerning handling so that you can use the product correctly and in a safe manner, as well as prevent injury or damage to yourself, other users, or property.

⚠ WARNING This indicates details regarding handling of the product that if ignored, could be expected to result in death or serious injury.

⚠ CAUTION This indicates details regarding handling of the product that if ignored, could be expected to result in personal injury or property loss.

⚠ WARNING

- **The driver should not pay close attention to the images on the screen while driving.**
This may prevent the driver looking where they are going, and cause an accident.
- **The driver should not perform complicated operations while driving.**
Performing complicated operations while driving may prevent the driver looking where they are going, and cause an accident.
Therefore stop the vehicle in a safe location before performing such operations.
- **Do not use during malfunctions, such as when the screen does not light up or no sound is audible.**
This may lead to accident, fire, or electric shock.
- **Do not place anything on the open display.**
This may lead to accident, fire, electric shock, or malfunction.
- **Ensure water or other foreign objects do not enter the product.**
This may lead to smoking, fire, electric shock, or malfunction.

⚠ WARNING

- **Do not insert foreign objects into the disc slot or card slot.**
This may lead to fire, electric shock, or malfunction.
- **Always obey all actual traffic regulations, even when following route guidance from this navigation system.**
Due to changes in traffic rules, this data may differ from the actual traffic regulations.
Always obey the actual traffic regulations.
- **In the event of abnormalities occurring when foreign objects or water enter the product, resulting in smoke or a strange smell, immediately stop using the product, and consult with your dealer.**
Continuing to use the product may result in accident, fire, or electric shock.
- **Do not disassemble or modify the product.**
This may lead to malfunction, fire, or electric shock.
- **During thunderstorms, do not touch the antenna or the front panel.**
This may lead to electrical shock from lightning.

Continued on the next page

⚠ CAUTION

- **Do not block ventilation holes or heat sinks on the product.**

Blocking ventilation holes or heat sinks may prevent heat from escaping from within the product, leading to fire or malfunction.

- **Do not turn the volume up to the extent that you cannot hear sounds from outside the vehicle while driving.**

Driving without being able to hear sounds from outside the vehicle may result in an accident.

- **If opening or closing the monitor panel interferes with gear shift lever operation etc., stop your car in a safe location before performing such operations.**

- **Do not insert your hand or fingers into the disc slot or card slot.**

This may result in injury.

- **Do not leave the monitor panel open when you are not using the product.**

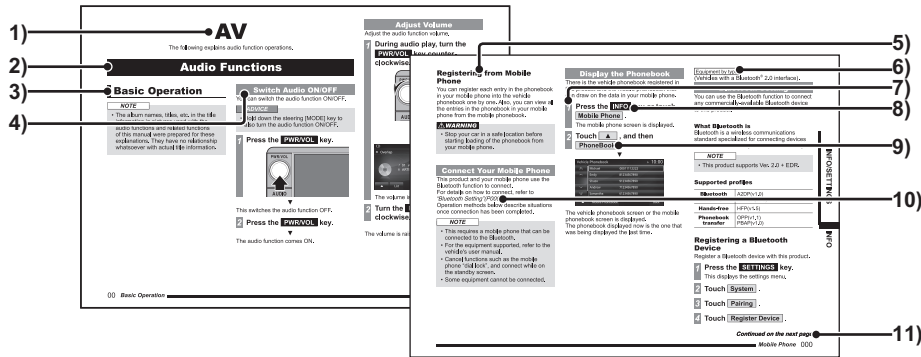
This may result in injury.

- **Be careful that your hand or fingers are not pinched when you open or close the monitor panel.**

This may result in injury.

How to Read This Manual

The notation used in this manual and what it means are as follows.



1) Volume Header

Classified by main functions.

2) Chapter Header

Classifies more finely the main functions in the volume header. A chapter header appears at the head of each chapter. You can also check the index on the right edge.

3) Major Header

Classifies the main operations and functions in a chapter.

4) Intermediate Header

Classifies the operations and functions under the major header.

5) Minor Header

Classifies more finely the operations and functions classified under the intermediate header.

6) Equipment by type

Indicates equipment that differs according to the vehicle model and grade.

7) Operation procedure

These are numbers that shows the operation procedure. Perform the procedure in the order of these numbers.

8) key or key

Shows an operation key on the panel.

9) or

Shows a touch switch displayed on the screen.

10)(P000)

Shows the page to refer to. It contains relevant explanations etc.

11)Continued on the next page

Used when the explanation of operations is continued.

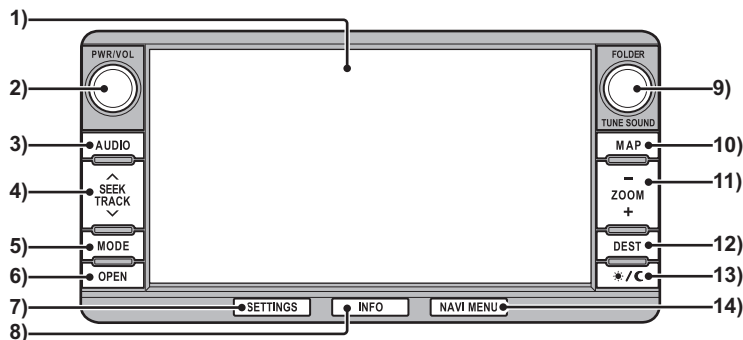
Basic Operation

This Product

Main Unit Panel

This gives the names of each section of the main unit panel and explains their functions.

When the panel is closed



1) Display

Operations can be performed by touching the touch switches.

→“How to Perform Touch Operations”(P18)

2) PWR/VOL key (P81)

Allows you to adjust the volume for the audio function and telephone function. It also allows you to switch the audio function ON/OFF. Hold down to turn OFF/ON the audio function and the screen display. To display it again, touch the screen or press [MAP].

3) AUDIO key

Displays the audio source screen (for the last source used).

4) ^ SEEK TRACK key/ SEEK TRACK v key

Allows you to seek a radio station, or select a CD track. Also, holding down either of these keys allows you to fast-forward/fast-rewind a CD.

5) MODE key (P24)

Used to select an audio source. Each time this is pressed, this switches the audio source. The audio source can only be switched on the Mode screen.

6) OPEN key

Displays the monitor panel open/close screen. Used to open/close the monitor panel or insert or remove a disc (P82).

7) SETTINGS key (P196)

Used to make settings.

8) INFO key (P25)

Used to check information.

9) FOLDER/TUNE key

Allows to select an audio file folder or a radio station by turning.

SOUND key (P207)

Pressing the key displays the sound quality setting screen. Used to adjust the sound quality.

10) MAP key

Used to display the current location screen of the navigation (P30).

11) -ZOOM key/ ZOOM+ key

Zooms in or zooms out the map.
→“Switch the Scale”(P40)

12) DEST key (P47)

Used to set a navigation destination.

13) */C key

Allows you to switch the map screen color Auto, Daytime, and Nighttime according to the car lighting state.

14) NAVI MENU key (P23)

Used to make navigation settings.

NOTE

Operation and display of the following keys differ depending on the model.

• 2) PWR/VOL key

The audio function goes OFF and the screen display may not go out even by holding down the key.


• 4) ^ SEEK TRACK key/ SEEK TRACK v key

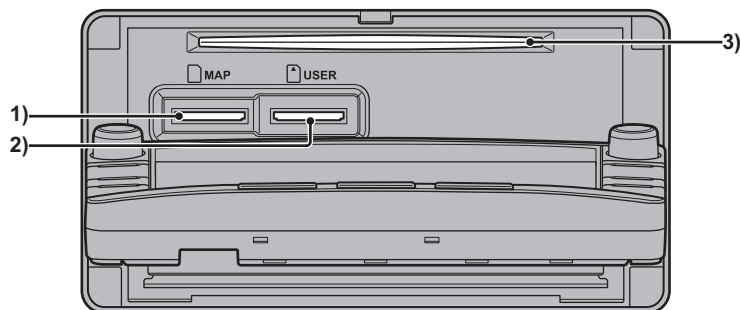
Seeking of radio stations may function by holding down the key.

• 5) MODE key

The audio source may not be switchable.

• 12) DEST key

This may be the  key.

When the panel is open**1) Map slot**

The map card that contains the map data for the navigation functions is inserted here.

2) User slot

An audio SD card is inserted here. Audio SD cards can be played (P121). Also, map data can be updated.

→“Update the Map Database”(P137)

3) Disc slot

When a disc is inserted that can be played by this product, starts playback.

→“Inserting the Disc”(P82)

Start

Start the system.

CAUTION

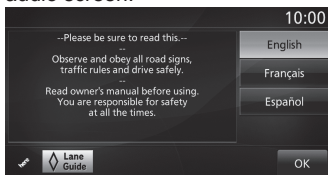
- This system cannot be started unless a map card is inserted.

1 Switch the vehicle's ignition key to "ACC" or "ON".

2 Check the message, then touch

OK.

If the audio function was used last the previous time, the display switches to the audio screen.



This switches to the navigation screen.

ADVICE

- Immediately after the ignition key is switched to "ACC" or "ON", if the navigation functions are used, some functions are not available immediately after the map screen is displayed because data is being read in from the map card. Please wait until the reading is completed.
- Allows you to disable the opening animation to make startup faster. → "Opening Setting" (P212)
This function may not be set depending on the model.

SD Cards

This product supports two types of SD cards: map cards used with the navigation function and audio SD cards used with audio functions.

WARNING

- **In order to prevent an accident, keep the SD card out of the reach of small children.**

If a child does swallow an SD card, seek immediate medical attention.

CAUTION

- Do not insert the map card anywhere other than the map slot in this product. Doing so may lead to malfunction. Data might be destroyed and the map card might become unusable.
- When inserting and removing an SD card, first ensure that your car is stopped in a safe area in which stopping is permitted.
- Do not remove a SD card or switch OFF the power while data is being read from or written to the SD card. The recorded data might be lost or damaged.
- Do not insert foreign objects into the SD card slot. This may lead to injury, smoking, or fire.
- There are two SD card slots, the map slot and the user slot. Be sure to insert the SD card into the correct slot.

NOTE

- Mitsubishi Motors will in no way be held responsible for any losses resulting from SD card data loss.
- SD cards formatted using standard computer functions may not operate correctly.
- SD cards have a finite service life. After being written repeatedly, writing, erasing, etc. may become impossible.

Important Points on Handling

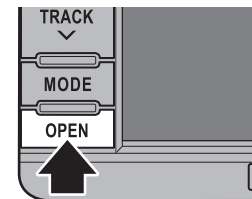
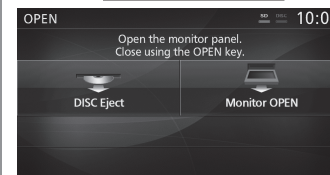
- Fingerprints or other marks on the terminals of an SD card may result in its content being more difficult to read. When holding an SD card, do not touch its terminals.
- Do not affix paper or stickers to an SD card and do not damage it.
- Do not forcefully insert an SD card if an SD card is already within the device. Doing so may lead to malfunction.
- Do not insert anything other than an SD card into an SD card slot. Inserting anything other than an SD card may cause damage or get the object stuck in the slot.

Important Points on Storage

When you take an SD card out of this product, store it out of direct sunlight.

Insert an SD Card**Map Card**

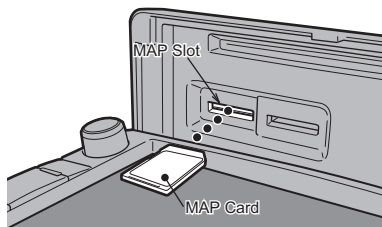
Insert the map card that contains the map data for the navigation functions.

1 Press the **OPEN key.****2 Touch **Monitor OPEN**.**

▼
The monitor panel opens.

3 Insert the map card into the map slot.

Insert until you hear the “click”.



CAUTION

- Do not insert into the user slot.

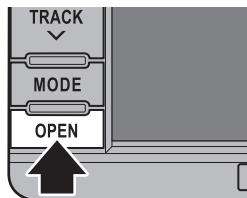
4 Press the **OPEN** key to close the monitor panel.

You can now use the navigation function.

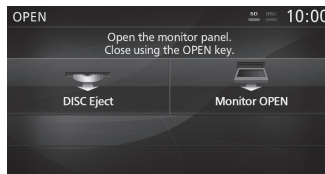
Audio SD Card

Insert the audio SD card used for the audio functions.

1 Press the **OPEN** key.



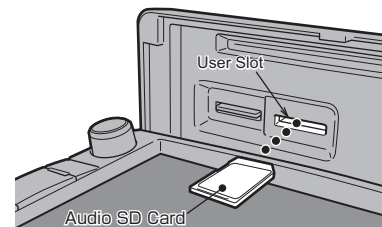
2 Touch **Monitor OPEN**.



The monitor panel opens.

3 Insert the audio SD card into the user slot.

Insert until you hear the “click”.



CAUTION

- Do not insert into the map slot.

4 Press the **OPEN** key to close the monitor panel.

You can now use the SD card with the audio functions.

Remove the SD Card

Map Card

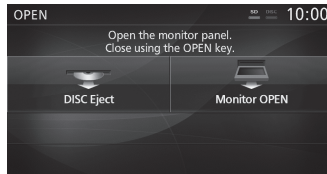
The map card that contains the map data for the navigation functions is inserted. This device cannot be used if the map card is removed.

Audio SD Card

Eject the audio SD card used for the audio functions.

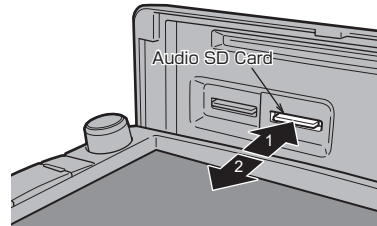
1 Press the **OPEN** key.

2 Touch **Monitor OPEN**.



The monitor panel opens.

3 Push the audio SD card in the user slot until you hear a “click”.



The audio SD card jumps out and can now be removed. Gently remove it.

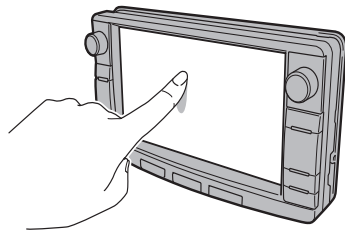
4 Press the **OPEN** key to close the monitor panel.

How to Perform Touch Operations

This system uses a touch panel that is operated by touching the display directly.

When Touching

This manual indicates the operation of touching the screen to "Enter" with "Touch _____".



Also, the menu of operations executed by touch is indicated as "Touch Switch".

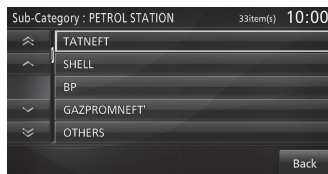
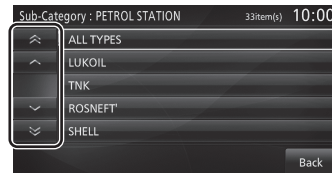
CAUTION

- The surface of the display scratches easily. Do not push on it too hard or rub it with a stiff cloth.
- If the screen is dirty, wipe it gently with an eyeglass wipe or other soft cloth.

Searching Items from a List

By touching  or , you can select one item at a time from the list.

By touching  or , you can move the display one page.



When the item you are searching for is displayed, touch it directly.

How to Input Characters

This section explains the menu items for the character input keyboard.

Keyboard for Character Input



ADVICE

- For some functions and character types, some touch switches may either not be displayed or changed into some other touch switch. For details, refer to the explanations of individual functions.

1) Input character display section

Displays the input characters.

2) The cursor

┌ is displayed with and to the left of ┌, characters are input.

3) Input keyboard

Displayed characters can be input by touch.

4) Set

This finalizes all the input characters and ends character input mode.

5) A/a

Switches the characters displayed on the input keyboard in the order of capital letters, small letters, and Capital letters.

6) ◀

Clears one character among the characters being input.

7) Clear All

Clears all the characters being input.

8) More

Switches the characters displayed on the input keyboard to “Numbers” and “Symbols”.

9) Back

Returns to the previous screen.

Types of Characters That Can Be Input

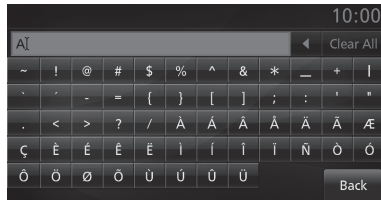
The input keyboard is capable of inputting various characters.

Character input is displayed when it becomes necessary during the operation of functions. However, some functions limit the characters that can be input.

Letters/numbers

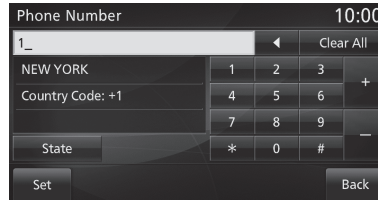


Symbols

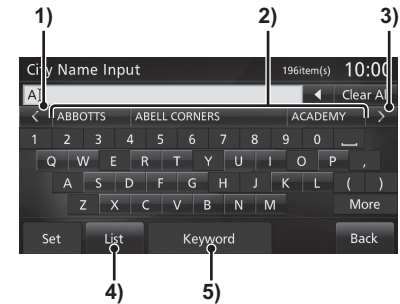




Keyboard for Number Input

The input keyboard makes it possible to input house numbers and latitude/longitude.



Input assist for searches



- 1)  Displays the previous candidate list.
- 2) **Search candidate list**
Displays characters and candidates that follow the input characters.
Touching this completes the input.
- 3)  Displays the next candidate list.
- 4) **List**
Displays the search results for the input characters.
- 5) **Keyword**
Keywords can be input.

Top Menu

By pressing the corresponding key, you can use various functions from the top menus.

Display Types

The top menus have a number of display methods. You can use the one you like best. You can switch by touching the display switch menu at the top of each top menu.



NOTE

- The types that can be displayed depend on the top menu. There are also menus that do not allow you to switch the display type.

Destination Menu

This section explains the destination menu displayed when you press the **DEST** key. This may be the **F2** key depending on the model.



1) Display switch menu (P21)

Allows you to switch the menu display type.

2) Go Home

Allows you to register a home location. (P68) Also allows you to set your registered home as the destination.(P47)

3) Address/Intersection (P50)

Allows you to search for a location from an address.

4) Point of Interest (P51)

Allows you to input the name of an establishment to search for the establishment.

5) Zip Code (P95)

Allows you to input the zip code to search for its location.

6) Phone Number (P55)

Allows you to input the telephone number to search for its location.

7) ▲

Displays the numbers for frequently used locations(P49).

8) Clock

Displays the current time using 12- or 24-hour time.

9) Latitude/Longitude (P56)

Allows you to input the latitude and longitude to search for its location.

10) Return Trip (P56)

Sets the start location as the destination.

11) Previous 50 (P50)

Allows you to select a location for which a map of the surroundings has been displayed by using the search function.

12) Address Book (P49)

Allows you to select a location from the address book.

13) Advanced Search (P53)

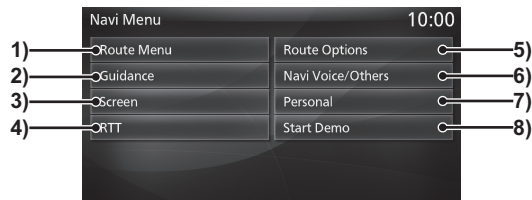
Allows you to search for an establishment around the current location or destination, along the route, etc.

14) Delete Route (P65)

Deletes the set route.

Navi Menu

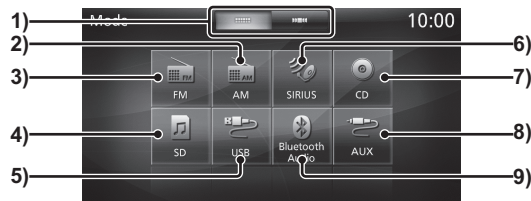
This section explains the navigation menu displayed when you press the **NAVI MENU** key.



- 1) Route Menu** (P58)
Allows you to check and edit the set route.
- 2) Guidance** (P197)
Allows you to set up the guidance display.
- 3) Screen** (P199)
Allows you to set up the navigation display.
- 4) RTT** (P77)
Allows you to set up the RTT.
- 5) Route Options** (P203)
Allows you to set up the default values for route search conditions.
- 6) Navi Voice/Others** (P204)
Allows you to set up the navigation audio guidance. Also allows you to check vehicle signals.(P205)
- 7) Personal** (P206)
Allows you to manage address book, home location, and other information.
- 8) Start Demo** (P60)
Starts a demo trip.

Mode

This section explains the Mode displayed when you press the **MODE** key.



1) Display switch menu (P21)

Allows you to switch the menu display type.

2) **AM** (P93)

Allows you to use the AM radio function.

3) **FM** (P93)

Allows you to use the FM radio function.

4) **SD** (P119)

Allows you to play back audio files (MP3/WMA/AAC/WAV) on an SD card.

5) **USB/iPod** menu^{*1}

When an iPod is connected to this product, **iPod** is displayed. When you touch it, the iPod screen is displayed.

(→ P114)

When a USB memory is connected to this product, **USB** is displayed. When you touch it, the USB screen is displayed.

(→ P119)

When nothing is connected to this product, **USB/iPod** is displayed.

6) **SIRIUS** ^{*4} (P99)

Allows you to use satellite radio.

7) **CD**

Plays media inserted into this product.

Audio CD (→ P107)

Audio files (MP3/WMA/AAC/WAV) (→ P110)

8) **AUX** ^{*1, *2} (P130)

When an external input device is connected to this product, the audio from the external input device is played.

9) **Bluetooth Audio** ^{*3} (P125)

When a Bluetooth-capable audio device is connected to this product, the Bluetooth audio function can be used.

^{*1} This is equipment that only some vehicle types have. This also requires the external input device and a cable.

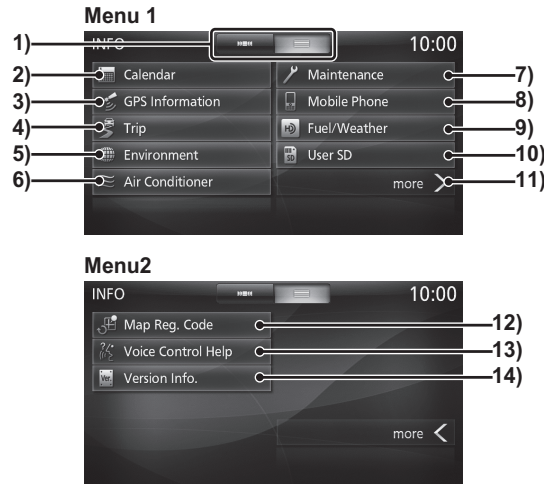
^{*2} [AUX] is displayed even if no separately-purchased external input/output cable and external input device is connected to this product.

^{*3} This is equipment that only some vehicle types have. This requires an audio device that is Bluetooth capable. No cable is required.

^{*4} This is equipment that only some vehicle types have. Requires satellite tuner connection.

INFO Menu

This section explains the info menu displayed when you press the **INFO** key. The order of display items may differ depending on the model. In that case, 9) **Fuel/Weather** changes to **HD Information**.



1) Display switch menu (P21)

Allows you to switch the menu display type.

2) Calendar (P131)

Displays the calendar. Allows you to check and set special days and anniversaries.

3) GPS Information (P143)

Allows you to check the name of the current location, its latitude/longitude, and the number of GPS satellites being received.

4) Trip (P138)

Allows you to check and set trip information.

5) Environment (P153)

Allows you to check the outside air temperature, altitude, and air pressure.

6) Air Conditioner (P142)

Allows you to check the air conditioner status.

7) Maintenance (P154)

Allows you to make settings for notifications when engine oil, oil filter, and other maintenance is due.

8) Mobile Phone (P145)

Allows you to make and receive telephone calls.

9) Fuel/Weather (P159)

Allows you to check Fuel prices and weather information.

10) User SD (P136)

Allows you to check the SD card capacity and available space. Also allows you to update the map database (P137).

11) more

When there are many items, you can move forward/back by page. This is not displayed when there are few items.

12) Map Reg. Code (P137)

Allows you to check the request code required for updating the map.

13) Voice Control Help (P195)

Allows you to check a list of voice commands, the usage for voice control, etc.

14) Version Info. (P165)

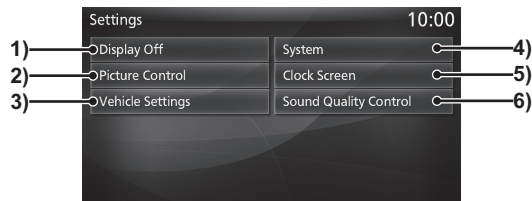
Allows you to check the program version, map version, etc.

* This is displayed when your car is equipped with the equipment.

SETTINGS Menu

This section explains the settings menu displayed when you press the **SETTINGS** key.

6) **Sound Quality Control** may not be displayed depending on the model.



1) **Display Off** (P216)

Allows you to switch OFF the screen display.

2) **Picture Control** (P216)

Allows you to adjust the picture quality.

3) **Vehicle Settings** ^{*1} (P216)

Allows you to make settings for vehicle equipment.

4) **System** ^{*2}

Allows you to make settings for the Time (P211), Language (P211), Opening Setting (P212), Camera (P152), A/C Cut-in (P212), Units (P212), Pairing (P213), Keyboard Layout (P215), etc.

5) **Clock Screen** (P221)

Displays the clock.

6) **Sound Quality Control** (P207)

Allows you to perform settings related to sound quality.

*1 This is displayed when your car is equipped with the equipment.

*2 Depending on the equipment, some of the items in [System] may not be displayed.

NAVI

This chapter explains navigation function operations.

Basic Operation

Navigation Functions

What is Navigation?

Navigation is a system that measures the location of your car and guides you along the route to the set destination. Your car's location displayed on the map is measured with the "GPS" and "Map matching" functions.

GPS(Global Positioning System)

The system that uses GPS satellites to detect the location is called "GPS". The radio signals from these GPS satellites are received and the location of one's own car is measured to within about 30 to 200 meters.

- Measuring your car's location takes about 2 minutes in a location with a good view. The first time this product is used or it is used after a long while, it takes about 5 minutes to measure your car's location.

- The GPS satellites are managed by the Department of Defense of the United States of America, which sometimes deliberately reduces the location precision. When that happens, the location of your car may not be displayed in the correct location.

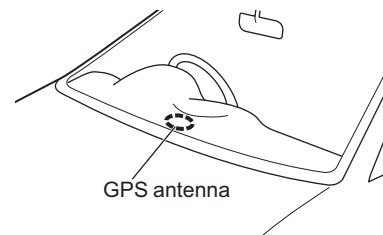
Map Matching

"Map matching" is a function that compares the route tracking data for your car with the road configuration in the map data, estimates the road you are driving on, and displays this on the map.

CAUTION

- The map displayed for navigation and the traffic rule information were prepared based on various types of information when the map data was prepared, so they may differ from the actual roads and traffic regulations. Always follow the actual roads and obey the actual traffic regulations.

GPS Antenna



The location of your car is measured by receiving weak radio signals from GPS satellites with the "GPS antenna".

ADVICE

If the radio signals from the GPS satellite are blocked, the location of your car may not be displayed in the correct location, so observe the following rules.

- Do not paste a mirror type film or shade film that contains carbon onto the windshield.
- Do not place anything on or near the GPS antenna.
- Do not use a mobile phone, PHS, computer, etc. near the GPS antenna.

Map Data

The map data may contain wrong or missing characters, incorrect locations etc.

Position Measurement

When Accurate Position Measurement Is Not Possible

Radio signals from GPS satellites cannot be received in locations such as in tunnels, indoor parking garages, locations surrounded by high buildings, mountains or trees, under freeways and elevated train lines. In such cases, the position measurement uses autonomous navigation based on the gyro sensor and speed sensor, so accurate measurement of your car's location may become impossible.

Measurement Error

When radio signals cannot be received from GPS satellites, measurement error occurs easily and the location of your car may not be displayed correctly.

If you keep on driving, when it becomes possible to receive radio signals from GPS satellites, the error in the current location will be automatically corrected.

Reasons Why the Location of Your Car Is Not Displayed Correctly

- When a freeway and general road are near each other
- When driving roads laid out in a grid
- When driving on a mountain road with a sharp slope
- When turning left or right after having driven a long while on a straight road
- Immediately after the engine is switched ON
- When driving at slow speed, for example on a congested road or in a parking lot (Because some cars do not output a vehicle speed signal when driving too slow)
- When traveling with chains on the tires
- When the vehicle was turned on a turntable or the like
- When driving through a fork in the road with a small angle between the two branches
- After the vehicle has been moved by ferry or the like
- When driving in a multi-level parking garage or on a spiral road
- When zig-zagging on a wide road
- When a tire has been replaced with the emergency spare
- When driving on snow, sand, or other slippery road

3D Position Measurement

When effective radio signals for which positional precision can be expected can be received from four or more GPS satellites, the 3D position of latitude, longitude, and altitude can be calculated.

"GPS Information"(P143)

2D Position Measurement

When effective radio signals for which positional precision can be expected can be received from three or more GPS satellites but not enough for 3D position measurement, the altitude is assumed to have remained the same since the last time it could be measured and only the 2D of latitude and longitude can be calculated. In this case, the positional precision is less than for 3D position measurement.

"GPS Information" (P143)

Non-measurable Position

When effective radio signals from GPS satellites for which positional precision can be expected cannot be received, the position is not measured.

"GPS Information"(P143)

Route Search Methods

- The route displayed in the route guidance is a reference route to the destination. It is not necessarily the shortest route. This route guidance also does not take traffic congestion information into account.
- Not all roads are used in route guidance.
- Routes using ferries are set to be less recommended than normal roads. Therefore, even when a ferry provides a quicker route to the destination, a route not using the ferry may be displayed.
- When a toll road interchange, parking area, or service area is set as the destination or as a waypoint, select from an establishment search or from a freeway simplified map and set without scrolling the map.
- Sometimes, the route is not the same as the one prepared previously even though the same locations were set as the destination and waypoints.
- Sometimes routes are displayed that include pedestrian ways, stairs, etc. that are not passable by vehicle.
- If there is no road to the destination or only narrow roads, a route may be displayed that goes to some place apart from the destination.
- Because searches are carried out passing alongside establishments, depending on the road configuration, roundabout routes may be displayed.
- Sometimes routes are searched that take traffic rule information into account.
- Sometimes, some temporary rules are not taken into account or the time for which they are applied differs from when they are actually in effect.

Route Guidance

- When your car is driving on the searched route, this displays the distance until the destination or the next waypoint.
- When your car is driving off the searched route, this displays the distance from the point where you left the route until the destination or the next waypoint.
- The display of the estimated time of arrival at the destination is calculated based on the remaining time data in the map data and learning trip information.
- Sometimes even though you need to turn at a junction, the junction name is not in the guidance and the junction is not covered in the audio guidance.
- Sometimes left and right turn guidance differs from the actual road configuration.
- When you go off the route, for example by turning one junction too early, sometimes the audio guidance continues for the route you had been on.
- Sometimes the distance in the guidance is slightly too high or too low.

Precautions for operating the navigation

- During route guidance, always obey the actual traffic regulations. Failure to do so may cause a traffic accident.
- The route is searched using the map data on the map card. Sometimes it may differ from actual restrictions for construction, one-way rules, and other traffic rules. Always obey the actual traffic regulations.
- Traffic rules that depend on the time of day reflect the time at which the route was searched. When driving the route, always obey the actual traffic regulations.
- The distance your car has traveled is measured with the speed sensor (and this speed is proportional to the rotation rate of the tires). When the tires are new, if you have non-standard tires, or if the tire air pressure is not correct, error inputs the distance measurement more easily and the location of your car may not be displayed correctly.
- The route is a reference route to around the destination. It is not the shortest route or the route most free of traffic congestion.
- While you are driving, the amount of road information displayed is restricted and some roads may not be displayed. (For example, narrow streets)
- If the distance to the destination is extremely short or extremely long, route search may be impossible.
- Even if you travel off the route, the route is automatically recalculated.
- The estimated time of arrival varies with the road conditions and how you drive.

Navigation Screen

This section explains the navigation map screen and the display contents for the menu screens.

Map Display Contents

The map screens include the current location screen and scroll screens (P31).

Current Location Screen

This section explains the contents displayed on the current location screen, which is displayed when you press the **MAP** key.



1) Route guidance mark

The road you are to drive is indicated by an arrow.

With the [Screen] “Searched Root”, you can select [Arrow] or [Line].

→ “Navi Settings” (P196)

2) Car’s location mark

The arrow shows the location of your car and the direction of the arrow shows the direction you are traveling in.

3) Junction guidance icon

Shows the distance until the next junction to turn and which way to turn. Touching this displays the junction guidance map.

→ “Check the Next Junction to Turn” (P58)

4) (P33)

Displays a sub-menu.

5) (P32)

Displays the current telephone and audio status.

6) **Clock**

Displays the current time using 12- or 24-hour time.

7) **RTT**

Displays traffic congestion information and traffic rule information etc. Touching RTT symbol allows you to check the detailed information.

→ “Checking the RTT Traffic Messages” (P79)

8) **Direction icon**

Touching this displays the map switching screen.

→ “Select the Map Screen” (P34)

9) **Scale icon**

Shows the scale of the displayed map.

Touching this changes the scale.

→ “Switch the Scale” (P40)

10) **Destination/waypoint information**

Shows the time, direction, and distance to the destination or waypoint. Each time you touch this, the display switches to the estimated time of arrival, time remaining, and local time. The time and distance at this time are the expected time of arrival, time remaining, or local time and distance to the destination or waypoint from a location off the route.

ADVICE

- The menu items vary with the navigation settings and travel status. Some items may not be displayed.
- To make the explanation clearer, the navigation images in this manual leave out some landmarks.

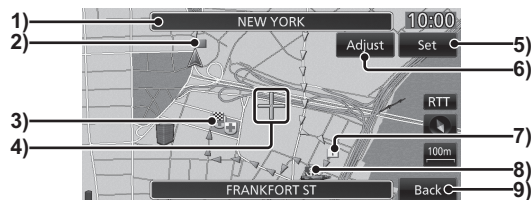
ADVICE

- The display of 7) POI icons can be removed from the map screen by setting [Hide All] for [Screen] "POI icons".
→ "Navi Settings"(P196)
- You can select which 7) POI icon types to display and which not to display.
→ "POI Icons on Map"(P201)

Scroll Screens

This section explains the contents displayed on the scroll screens displayed when the map is scrolled or after a search is performed (P40).

6) **Adjust** may change to **Tuning** depending on the model.




1) City name

If there is a city name for the cursor position, this city name is displayed.

2) mark

Shows the starting point with the mark.

3) mark

The set destination (P47) is shown with the  mark.


4) mark

The Cursor mark is displayed at the center point of the location scrolled to.

5) **Set**

Displays the scroll menu (P32).
Allows you to set the destination, waypoints, and address book.

6) **Adjust**

The  mark position can be fine tuned.
→ "Scroll Fine Adjustment"(P41)

7) **1** mark

The set waypoints (P61) are shown with the **1** mark.
Up to 5 waypoints can be set. They are shown with **1**, **2**, **3**, **4**, **5** in the order in which they are passed.

8) POI icons




Trademarks, sight-seeing areas, etc. are shown with these marks.

9) **Back**

Returns to the previous screen.

Individual Icons

This section explains the icons displayed on the current location screen (P30).


	Displayed when connected to Bluetooth. → "Bluetooth Setting" (P213)
	Displays the signal strength and whether or not the phone is roaming.
	Displayed when the phone is used. Redisplays the phone operation panel (P150). Whether or not to display can be selected with [Screen] "Mobile Phone Icon". → "Navi Settings" (P196)
AV icon	Displays the status of the audio source currently being used. For details, see "AV Icons" (P83). Whether or not to display can be selected with [Screen] "Other Indicator Icons". → "Navi Settings" (P196)

NOTE

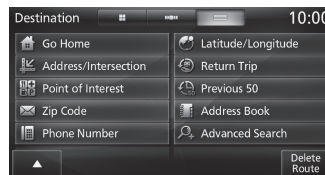
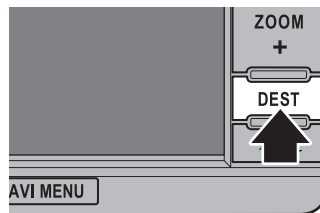
- The audio screen currently being played can be displayed by touching the AV icon depending on the model.

Display the Destination Menu

You can set the destination and erase routes from this menu screen.


The **DEST** key may change to the  key depending on the model.

1 Press the **DEST** key.



This displays the destination menu.

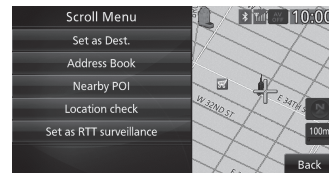
Display the Scroll Menu

You can set the location scrolled (P40) to  as the destination or set it in the address book.






ADVICE

- You can also display the scroll menu from the map screen displayed with search results by touching [Adjust], and then [Set].

1 On the scroll screen, touch



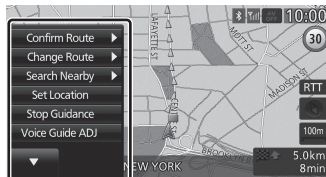
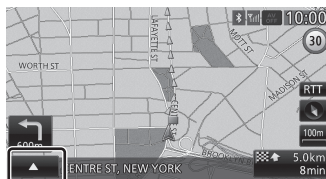
The scroll menu is displayed.

Set as Dest.	The  location can be set as the destination. → "Set as the Destination" (P42)
Address Book	The  location can be registered. → "Set in the Address Book" (P43)
Nearby POI	Establishments around the  location can be searched for. → "Search for Nearby Establishments" (P43)
Location check	The position of  location relative to the current location can be checked. → "Check the Location of Your Car." (P44)
Set as RTT surveillance	Areas (around the  location) can be registered to check traffic messages. → "Registering the RTT Surveillance Map" (P80)
Back	Returns to the previous screen.

Display the Sub-menu



This section explains how to display the sub-menu displayed from the current location screen (P30).

1 On the current location screen, touch .



This displays the sub-menu.

ADVICE

- In this manual, the touch switch for displaying a sub-menu is shown as .
- On a screen on which  is displayed, you can display sub-menus for each function by touching that.

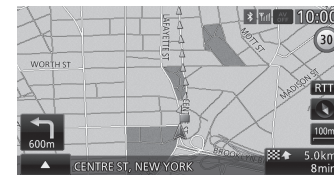
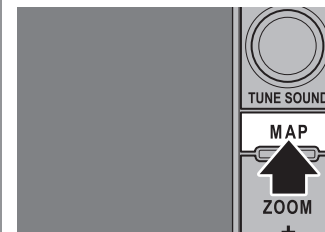
Display the Current Location Screen

You can display the current location screen (P30) from the scroll screen (P31), destination menu (P32), scroll menu (P32), etc.

ADVICE

- You can also display the current location screen from the AV screen, the info screen, and other functions.

1 Press the **MAP** key.



This displays the current location screen of the navigation screen.

Select the Map Screen

You can change the map type and reference orientation.

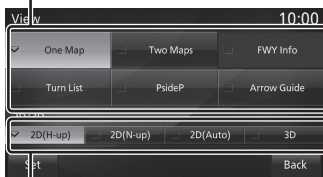
1 Touch the "Direction icon".



Direction icon

2 Touch either "Type" or "Reference orientation".

Type



Reference orientation

3 Touch **Set**.

The map type or reference orientation is changed.

ADVICE

- You can select the map type and the reference orientation separately.
- To change the right screen for Two Maps display, touch the direction icon on the right screen side.



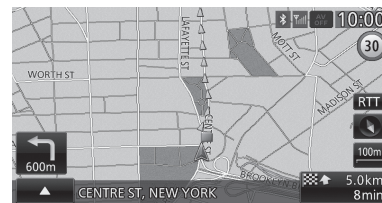
However, it is not possible to display a 3D view map on the left screen.

Types of Maps

This section explains the types of maps you can change to.

One Map

You can display the standard map on one screen.



Two Maps

You can display two maps with different scales at the same time.



ADVICE

- You can make the right screen a 3D view map.



Freeway Info

This displays a list of freeway exit service areas with the current location as the starting point.



ADVICE

- You can check various information on the freeway simplified map →“Freeway Information”(P45)
- To select a freeway simplified map, it is necessary to be driving on a freeway.
- It cannot be displayed on one screen (entire screen).
- You can find out the distance to various establishments and other information.

Turn List

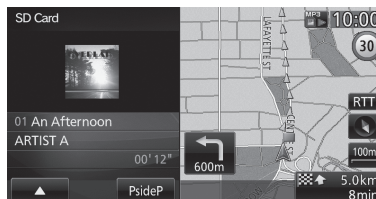
This displays a list of the locations for route guidance on the left screen.



P side P

Displays a sub-screen and displays the audio status, trip information, etc. at the same time as the map. You can change the information displayed on the sub-screen.

→“Change the P side P Display Information”(P37)



Arrow Guide

The location for the next route guidance is displayed with an arrow on the left screen.



Map Reference Orientation

This section explains the map reference orientation, which you can change.

2D(H-up)

This displays a map with the direction in which your car is moving as up.



(Red)

2D(N-up)

This displays a map with north as up.



(Red)

Auto

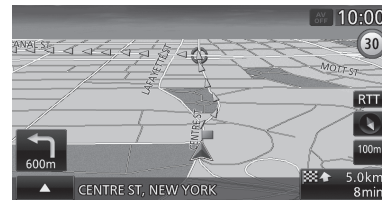
This automatically changes between “H-up” and “N-up” linked with the map scale. For scales of 100 m and less, changes to “H-up” and for scales of 250 m and more, changes to “N-up”.



(Blue)

3D

This displays a map as seen looking down from above.



ADVICE

- On the 3D view map, if you touch [Navi Menu], [Screen], and [Change 3D point of view], you can change the point of view.

Change the P side P Display Information

Change the information displayed on the P side P sub-screen.

1 Touch the “Direction icon”.



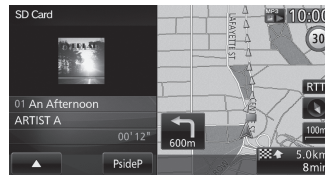
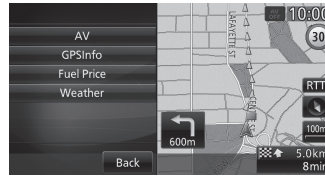
Direction icon

2 Touch **PsideP** .

3 Touch **Set** .

4 Touch **PsideP** .

5 Touch the “item” to display.



The screen for the selected item is displayed on the left screen.

Guidance Display

This product displays various guidance according to the situation.

Junction Guidance Map

When you are traveling the route, as you approach a guidance point, this map is displayed together with the voice guidance. It shows the distance to the junction, the name of the junction, and the name of the area.



ADVICE

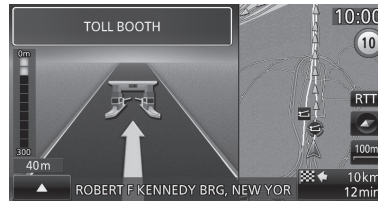
- To display manually, touch the “Junction guidance icon”.



Junction guidance icon

Toll Booth Guidance Map

Displayed when you approach a toll booth.

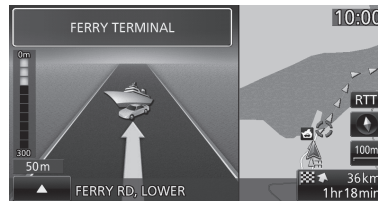


CAUTION

- Car's location mark is not displayed.
- Guidance is not given for all toll booths.

Ferry/Car Train Guidance Map

Displayed when you approach the boarding point while you are traveling a route that uses a ferry or car train.



Lane Guidance

Displayed when there is lane information for the junction ahead.



ADVICE

- This is not displayed while the freeway simplified map is displayed.
- While you are traveling the route, the recommended route is displayed in yellow and the lane you can travel along the route is displayed in light blue.
- There is also audio lane guidance.
- Lane information is displayed for the junction indicated with the arrow.
- Guidance is not given for all lanes.
- Sometimes the actual lanes differ from the guidance.

Junction View

When you approach a junction on a freeway, the actual junction configuration, which way to go, the junction name, etc. are displayed.



CAUTION

- Car's location mark is not displayed.
- Sometimes the actual junction configuration differs from the guidance.

Curve Guidance

Warnings are given by audio and with an icon if you try to take a curve too fast.

It is necessary to set the [Guidance] "Curve Guidance" [On].

→ "Navi Settings" (P196)

Speed Indicator Guidance

Displayed if there is speed indicator information while you are driving.



CAUTION

- Sometimes the actual speed indicators differ from the guidance.

ADVICE

- Guidance is not given for all speed indicators along roads.
- It is necessary to set the [Screen] "Speed Indicator" "On".
→ "Navi Settings" (P196)

Operate the Map

This section explains how to perform such operations as changing the scale and scrolling the map.

Switch the Scale

You can view a wide range or a detailed range.

1 Touch the “scale icon”.



Scale Icon



This displays the scale change bar.



2 Touch .

Each time you touch this, the map is displayed in more detail.

3 Touch .

Each time you touch this, the map is displayed wider.

ADVICE

- By holding down  or , you can use the free zoom function displaying gradually in four steps to the next scale.

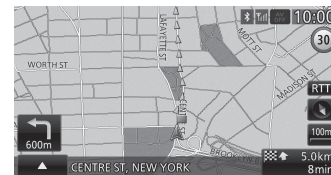
Scroll the Map


This is used to move from the current location screen to another location and check the map.

ADVICE

- While you are scrolling, sometimes part of the map is not displayed. They do not indicate a malfunction.
- With [Screen] “2 Screen Scroll”, when you scroll while displaying “Two Maps”, you can select whether to continue to display two screens or to switch to one screen. → “Navi Settings”(P196)
- With [Screen] “3D Scroll”, when you scroll while displaying in “3D”, you can select whether to continue to display in 3D or to switch to 2D. → “Navi Settings”(P196)

1 Touch the location to view.



The  mark is aligned with the location you are searching.

ADVICE

- Touching [Back] returns the display to the current location screen (P30).
- Holding this down lets you scroll continuously.
- Touching [Set] displays the scroll menu. You can set the destination, waypoints, and address book. → “Display the Scroll Menu”(P32)

Scroll Fine Adjustment

This finely adjusts the scroll position.

[Adjust] may change to [Tuning] and [Adjust Off] may change to [Tuning Off] depending on the model.

1 After scrolling, touch

Adjust .

2 Touch the direction.



Touch a few times to finely adjust.

3 Touch **Adjust Off** .



This completes the fine adjustment.

Operations from the Scroll Menu

When you display the scroll menu, you can set the destination, waypoints, address book, etc.

Set as the Destination

Set the scroll screen (P31) \oplus location as the destination.

ADVICE

- If a route has already been set, that route is erased and \oplus is set as the new destination.

1 Display the scroll menu (P32).

2 Touch **Set as Dest.** .



This displays the guidance start screen (P57).

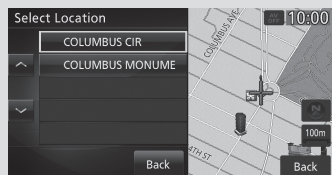
3 Touch **Start** .



The search for the route to the destination is complete and route guidance starts.

ADVICE

- If there is establishment information for the \oplus location, a list of these establishments is displayed for you to select from.



Set as the Waypoint

Set the scroll screen (P31) \oplus location as a waypoint.

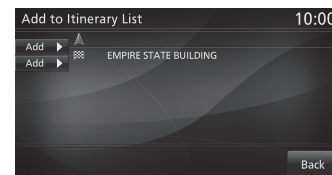
ADVICE

- It is necessary to set a destination.

1 Display the scroll menu (P32).

2 Touch **Set as Dest.** , and then **Itinerary List** .

3 Touch **Add** for the location to add.



4 Touch **Start** .



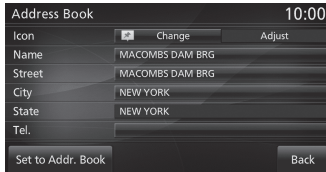
The search for the route to the destination via the waypoints is complete and route guidance starts.


Set in the Address Book

Set the scroll screen (P31) + location as an address in the address book.

1 Display the scroll menu (P32).

2 Touch **Address Book** .



The  mark is displayed at the searched for location and the address book information screen (P74) is displayed.

3 Touch **Set to Addr. Book** .

Registration of the location is complete.

ADVICE

- You can change the address book information displayed here.
→“Change Address Book Information”(P74)

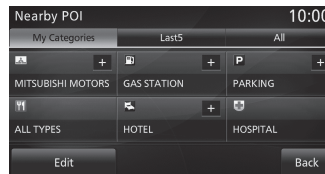
Search for Nearby Establishments

Search for establishments around (P31) + location on the scroll screen. Here, as an example, petrol stations are searched for around the + location.

1 Display the scroll menu (P32).

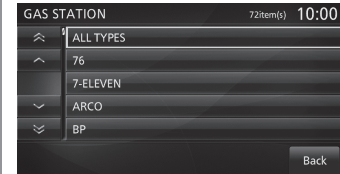
2 Touch **Nearby POI** .

3 Touch **GAS STATION** in “My Categories”.



My Categories	Allows you to select from the pre-registered, frequently used categories.→“Editing My Categories”(P52)
Last 5	Allows you to select from the five most recently searched items.
All	Allows you to select from all categories. When [All] has been touched, you can sort in order of genre or by alphabetical order of name by touching [Sort by Genre] or [Sort by Alphabet].

4 Touch any “type”.



ADVICE


- Touching [info] displays a map of the surroundings and related information.
- Touching [Refresh] start a search again.

5 Touch the “establishment” you are searching for.



This displays a map of the surroundings and related information for the selected establishment.

Check the Location of Your Car.

You can check the relationship between the scroll screen (P31)  location and your current location.


1 Display the scroll menu (P32).

2 Touch **Location check** .



You can check the relationship between your current location and the cursor location.

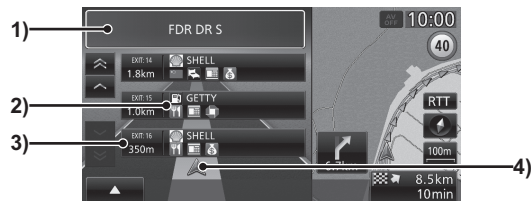
ADVICE

- The location with the  mark is the cursor location.

Freeway Information

When you drive on a Freeway, "Freeway Info" (P35) is displayed. You can check service area and parking area establishment information and junction information.

Display Contents



1) Route number and route name

Displays the route number and route name for the freeway current displayed in "freeway Info".

2) Information display

Displays names and establishment information (such as REST AREA and Junction) with icons.

For a motorway exit, displays information on establishments in the surrounding area.

Touching this displays a map of the surroundings for the selected establishment.

3) Distance display

Displays the distance from your car's location.

4) Your car display

Displayed when a list of the establishments closest to the current location is displayed.

ADVICE

- It is necessary to set the [Screen] "Freeway Simplified Map Automatic Display" "Display".
→ "Navi Settings" (P196)

Information on Establishments

This displays information on the establishment. (Up to for 4 establishments can be displayed.)



Icon	Explanation of marks
	GAS STATION
	RESTAURANT
	REST AREA
	HOTEL
	ATM
	BANK

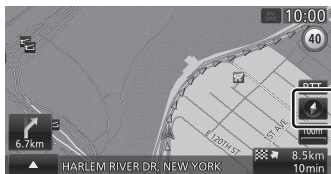
Displaying

With the factory settings, when you drive on a freeway, “freeway Info” (P35) is displayed automatically, so no operation is required.

ADVICE

- If you set the [Screen] “Freeway Simplified Map Automatic Display” to [Not Display], this operation is performed.
→ “Navi Settings”(P196)
- If your car is not on a Freeway, “Freeway Info” cannot be displayed.

1 Touch the “Direction icon”.



2 Touch FWY Info , and then SET .



This displays “Freeway Info”.

Check Area Information

You can check information on SA, PA, IC, and JCT and you can display maps of their surroundings.

1 Touch or .



You can move forward and back through the “Freeway Info”. Establishment information is also displayed.

ADVICE

- You cannot go back farther than the location of your car.

2 Touch the “establishment to check.”



This displays a map of the surroundings for the selected establishment.


ADVICE

- Touching [Set] displays the scroll menu. You can set the destination, waypoints, and address book.
→ “Display the Scroll Menu”(P32)

Destination Settings

Set Your Home as the Destination

You can set your pre-registered home (P68) as the destination.

The **DEST** key may change to  key depending on the model.

1 Press the **DEST** key.

This displays the destination menu.

2 Touch **Go Home** .



This displays the guidance start screen (P57).

ADVICE

- If you have not registered your home, this displays a screen asking if you want to register it, then the setting screen is displayed.→“Register a Home Location”(P68)

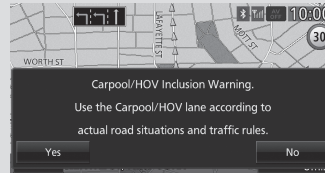
3 Touch **Start** .



The search for the route with your home as the destination is complete and route guidance starts.

NOTE

- If a route using the HOV lane is in the search result with set conditions, a telop that confirms the use of the HOV lane is displayed.




[Yes]: Search for a HOV lane route.

[No]: Search for a non-HOV lane route.

Set the Searched for Location as the Destination

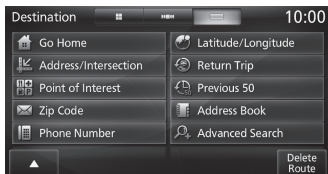
This section explains the series of operations for setting the location searched for with "Search for a Location"(P49) as the destination.

The **DEST** key may change to  key depending on the model.

1 Press the **DEST** key.

This displays the destination menu.

2 Touch any "search method" and search for the location.



→"Search for a Location"(P49~P56)

3 When the location you searched for is displayed, touch **Start**.



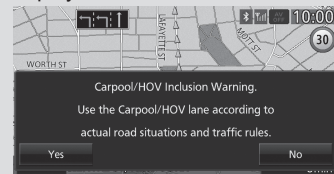
The search for the route that has the searched for location as its destination is complete and route guidance starts.

ADVICE

- Depending on the search method, the establishment name and telephone number may not be displayed.

NOTE

- If a route using the HOV lane is in the search result with set conditions, a telop that confirms the use of the HOV lane is displayed.




[Yes]: Search for a HOV lane route.

[No]: Search for a non-HOV lane route.

Search for a Location

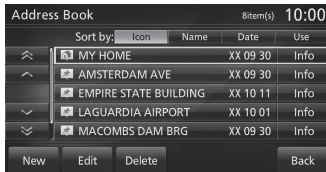
With this product, you can use various methods to search for locations. The location searched for here is used when setting the destination (P47), a waypoint (P61), or an address in the address book (P68).

This section explains the method for searching from the destination menu (P22). The **DEST** key may change to the  key depending on the model.

Load from the Address Book

Loads Address Book.

- 1 Press the **DEST** key.
This displays the destination menu.
- 2 Touch **Address Book** .
This displays the address book list.
- 3 Touch the “location” to load.




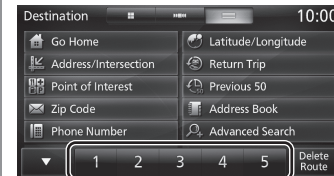
This displays the guidance start screen (P57).

ADVICE

- Touching [info] displays a map of the surroundings and related information.
- While the guidance start screen is displayed, touching [Address Book] allows you to set a location in the address book.→“Set an Address in the Address Book”(P72)

Load a Frequently Used Location from the Address Book

- 1 Press the **DEST** key.
This displays the destination menu.
- 2 Touch  .
- 3 Touch the “number” to load.



This displays the guidance start screen (P57).

Use the Search History

You can use the search history of locations that were set as the destination and display again a map of the surroundings.

ADVICE

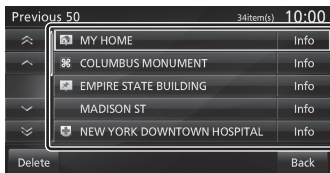
- The search history contains the most recent 50 items.

1 Press the **DEST** key.

This displays the destination menu.

2 Touch **Previous 50**.

3 Touch the “location” you are searching for.



This displays the guidance start screen (*P57*).

ADVICE

- Touching [info] displays a map of the surroundings and related information.

Deleting from the Search History

You can delete a registered search history.

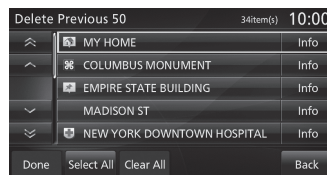
1 Press the **DEST** key.

This displays the destination menu.

2 Touch **Previous 50**.

3 Touch **Delete**.

4 Touch the “location” to delete.



Select All	Selects all the registered items. Touch to delete all.
-------------------	--

Clear All	Cancel all the selected items.
------------------	--------------------------------

5 Touch **Done**.

6 Touch **Yes**.

The search history deletion is complete.

Search from Address

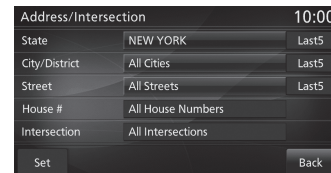
Searches for a location from an address.

1 Press the **DEST** key.

This displays the destination menu.

2 Touch **Address/Intersection**.

3 Touch the item, then input the “address”.



4 Touch **Set**.

This displays the guidance start screen (*P57*).

ADVICE

- Touching [Last 5] allows you to select from among the last 5 searches.
- [All Intersections] can be selected when the street is input.
- Depending on the state of the information recorded in the map data, representative locations for that area may be displayed.

Search by Inputting an Establishment Name

The name of an establishment can be input to search for its location.

1 Press the **DEST** key.

This displays the destination menu.

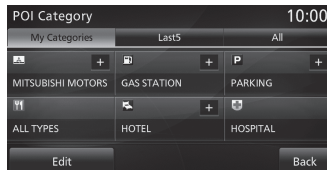
2 Touch **Point of Interest**.

Touching [Last 5] allows you to select from among the last 5 searches.

3 Touch **All Cities**, then input the “city name”.



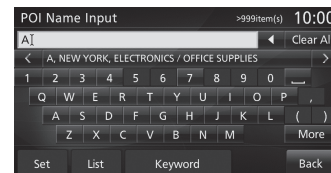
4 Touch **All Categories**, then input the “category name”.



You can skip the category input and perform the operation in Step 4.

My Categories	Allows you to select from the pre-registered, frequently used categories.→“Editing My Categories”(P52)
Last 5	Allows you to select from the five most recently searched items.
All	Allows you to select from all categories. When [All] has been touched, you can sort in order of genre or by alphabetical order of name by touching [Sort by Genre] or [Sort by Alphabet].

5 Touch **All POIs**, then input the “name of the establishment” you are searching for.



→“Input assist for searches”(P20)

You can search without inputting the entire establishment name.

6 Touch **List**.

When you have input the first few characters of the establishment name, if there is only one candidate left, proceed to Step 7.

If there are 5 or less candidates, a list is displayed automatically.

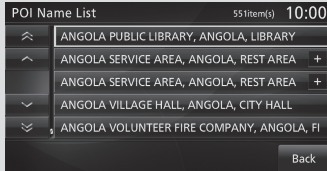
7 Touch the “establishment” you are searching for.



Continued on the next page

ADVICE

- If the list has the “+” mark, touch [Sub POI], select the detailed establishment name.



A list is displayed and you can select the detailed establishment.

8 Touch **Set** .



This displays the guidance start screen (*P57*).

Editing My Categories

Registers a frequently used establishment category in “My Categories”.

Up to 6 entries can be registered in “My Categories”.

1 Press the **DEST** key.

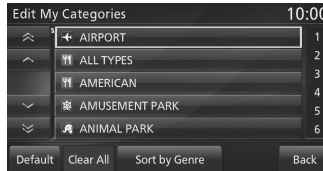
This displays the destination menu.

2 Touch **Point of Interest** .

3 Touch **All Categories** .

4 Touch **Edit** .

5 Touch the “category” to register.



The registered category is displayed inverted.

Default	Restores the factory settings.
Clear All	Cancels all the registered categories.
Sort by Alphabet or Sort by Genre	Sorts by genre or in alphabetical order by name.

6 Touch **Back** .

Returns to the previous screen.

ADVICE

- You can also edit by touching [NAVI MENU] key, [Personal], and [My Categories] in “Edit”.→“Personal”(P206)

Search for Nearby Establishments

You can search for establishments near the current location and destination and along the route.

Searching for Establishments around the Current Location

As an example, search for petrol stations.

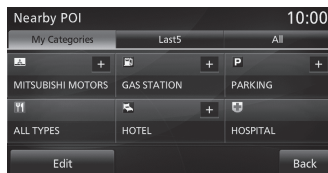
1 Press the **DEST** key.

This displays the destination menu.

2 Touch **Advanced Search**.

3 Touch **Nearby POI**.

4 Touch **GAS STATION**.



5 Touch any "Sub-Category".




6 Touch the "establishment" you are searching for.



This displays the guidance start screen (P57).

ADVICE

- Touching [info] displays a map of the surroundings and related information.
- Touching [Refresh] start a search again.
- From the map screen, you can touch , and then [Nearby POI] to search the surroundings.

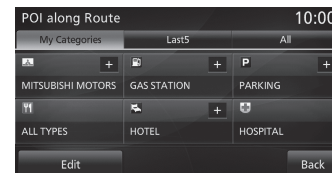
Searching for Establishments near the Route

1 Press the **DEST** key.

This displays the destination menu.

2 Touch **Advanced Search**.

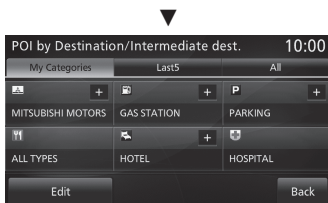
3 Touch **POI along Route**.



The rest of the procedure is the same as from Step 3 onward in "Searching for Establishments around the Current Location"(P53).

Searching for Establishments near the Destination or a Waypoint

- 1 Press the **DEST** key.
This displays the destination menu.
- 2 Touch **Advanced Search**.
- 3 Touch **POI by Dest./Inter.dest.**
- 4 Touch the “location” to search for.



The rest of the procedure is the same as from Step 3 onward in “*Searching for Establishments around the Current Location*”(P53).

Searching for Establishments near a Street

This searches for establishments near any desired street.

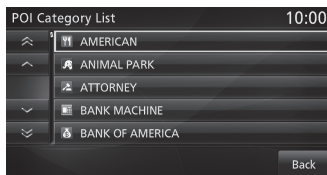
- 1 Press the **DEST** key, then touch **Advanced Search**.
- 2 Touch **POI along a Street**.
- 3 Touch an item, then input the “location”.



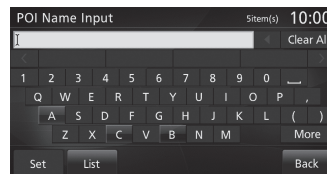
ADVICE

- Touching [Last 5] allows you to select from among the last 5 searches.
- If there are no establishments near the input location, “No POI found.” is displayed, so touch [OK] and set a different location.

- 4 Input the “category” for the establishment you are searching for.



- 5 Input the “name of the establishment” you are searching for.



→“*Input assist for searches*”(P20)

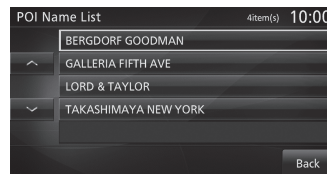
You can search without inputting the entire establishment name.

- 6 Touch **List**.

When you have input the first few characters of the establishment name, if there is only one candidate left, proceed to Step 8.

If there are 5 or less candidates, a list is displayed automatically.

- 7 Touch the “establishment” you are searching for.



- 8 Touch **Set**.


This displays the guidance start screen (P57).

Searching for Establishments along a Freeway or near an Exit

This searches for establishments along a freeway or near an exit. You can only use this when you are driving on a freeway.

- 1 Press the **DEST** key.
This displays the destination menu.
- 2 Touch **Advanced Search** .
- 3 Touch **POI at FWY** .
- 4 Touch the “establishment” you are searching for.



If there are multiple establishments,  is displayed for you to select from by touch.

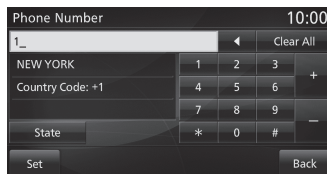
- 5 Touch **Set** .

This displays the guidance start screen (P57).

Search from Telephone Number

Used when you know the telephone number of the location you are searching for.

- 1 Press the **DEST** key.
This displays the destination menu.
- 2 Touch **Phone Number** .
- 3 Input the “telephone number”.



- 4 Touch **Set** .

This displays the guidance start screen (P57).

ADVICE

- Private homes cannot be searched for.

Search from Zip Code

Used when you know the zip code of the location you are searching for.

- 1 Press the **DEST** key.
This displays the destination menu.
- 2 Touch **Zip Code** .
- 3 Touch **All Zip Codes** .
Besides searching by “Zip code”, you can also narrow the search by inputting the “street”, “House#”, or “Intersection”.
- 4 Input the “zip code”.

→ “Input assist for searches”(P20)



- 5 Touch **Set** .

This displays the guidance start screen (P57).

Search by Latitude and Longitude

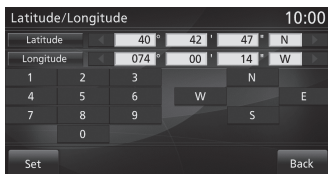
You can set the destination by specifying the latitude and longitude.

1 Press the **DEST** key.

This displays the destination menu.

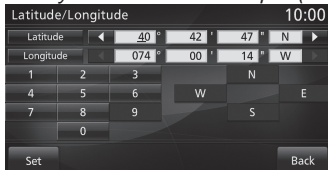
2 Touch **Latitude/Longitude** .

3 Touch **Latitude** or **Longitude** .



4 Input the "latitude" or "longitude" you are searching for.

→ "Keyboard for Number Input" (P20)



5 Touch **Set** .

This displays the guidance start screen (P57).

Set the Start Location as the Destination

You can set the start location set for the route as a new destination.

1 Press the **DEST** key.

This displays the destination menu.

2 Touch **Return Trip** .



This displays the guidance start screen (P57).

Guidance Start Screen

This is the screen displayed when the location to set as the destination is decided. This section explains the operations you can do on this screen.



1) Location information

When such location information as the “establishment name”, “street name”, “city name”, “country name”, “latitude”, “longitude”, or “telephone number” has been obtained, it is displayed.

2) Start

The search is executed and route guidance is started.

3) Dial

If a mobile phone is connected, you can call the establishment.
→“Call a Telephone Number Registered on the Map”(P149)

4) Home

If your home is not registered, you can register the searched for location as your home.

5) Show Route

Sets the currently searched for location as the destination and shows a simple sketch of the route. You can check the route and change the search conditions.
→“Show Route”(P57)

6) Itinerary List

You can change the destination, add waypoints, and change the route search conditions.
→“Set and Change a Waypoint”(P61)

7) Address Book

Registers the search for location in the address book.
→“Set an Address in the Address Book”(P72)

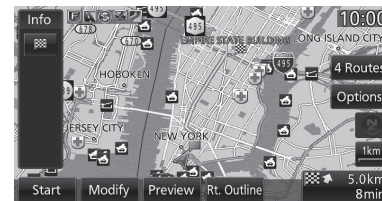
8) Adjust

You can scroll the map and change the location.

* When the destination setting is set when scrolling the map, it is not displayed.

Show Route

This section explains the screen displayed when you touch [Show Route].



Start	Starts route guidance.
Modify	Displays the Itinerary List screen.
Preview	Scrolls the map along the route. →“Check the Route”(P58)
Rt.Outline	Displays a list of junctions at which turns must be made on the route to the destination. →“Route Outline”(P60)
4 Routes	Displays the overall route to check four routes and allows you to change the search conditions. →“Select from Four Routes”(P64)
Options	Detailed settings can be set concerning the route. →“Change Search Conditions”(P61)
Info mark	Touching the mark displayed at “Info” will display a map of the surroundings and related information.

Route Checking and Changing

Route Checking

If a route has been set, you can check it.

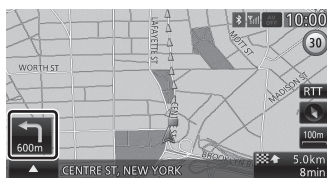
Check the Next Junction to Turn

When the route you are traveling has a junction ahead where you must turn left or right, you can have audio guidance and junction guidance map display provided ahead of time.

ADVICE

- You must be traveling a route.
- For some maps, only audio guidance is provided.

- 1 On the current location screen, touch the “junction guidance icon”.



This displays an expanded map of the junction to turn next.

Check the Route

You can scroll along the route to check and check maps of the surroundings.

ADVICE

- During checking, the map type displayed is One Map 2D (N-up).
- The same operations can also be carried out on “Show Route”(P57) by touching [Preview].

- 1 Press the **NAVI MENU** key.
This displays the navi menu.
- 2 Touch **Route Menu** .
- 3 Touch **View Route** .
- 4 Touch **Preview** .
- 5 Touch the route “check method”.




The map changes to match the check method selected.

Types of Check Methods

Backward	Scrolls from the destination toward the start location.
Stop	Stops scrolling for going backward or forward.
Forward	Scrolls from the start location toward the destination.
Back	Ends scrolling.

Check the Entire Route

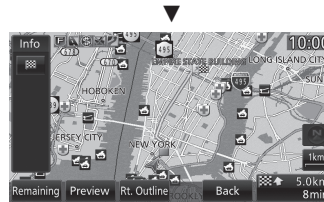
This displays the map at a scale that allows you to check the route from the start location to the destination.

- 1 On the current location screen, touch  .







- 2 Touch **Confirm Route** .

- 3 Touch **Entire Route** .



This displays a map screen showing the entire route.

Types of Icons on Map

	Shows the start location.
	Shows the location of your car.
	Shows the destination.
	Shows the waypoints that have been set.

Remaining

This displays the map at a scale that can display all of the route that has not been traveled yet.

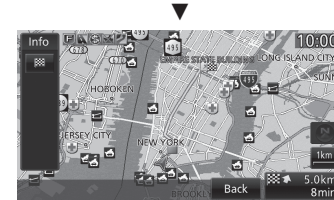
- 1 Press the **NAVI MENU** key.

This displays the navi menu.

- 2 Touch **Route Menu** .


- 3 Touch **View Route** .

- 4 Touch **Remaining** .



This displays the remaining route.

ADVICE

- When the current location screen is displayed, you can also perform the same operations by touching  , [Confirm Route], and [Remaining Route].

Route Outline

This displays a list of junctions at which turns must be made on the route to the destination.

1 Press the **NAVI MENU key.**

This displays the navi menu.

2 Touch **Route Menu .**

3 Touch **View Route .**

4 Touch **Rt.Outline .**



This displays a list of junctions at which turns must be made.

ADVICE

- If you touch one of the junctions in the list, a map of the area around that junction is displayed.

View a Demo Trip

You can travel the prepared route virtually to check.

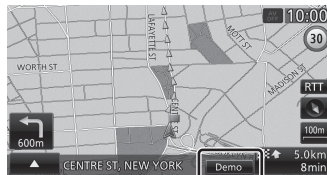
ADVICE

- Once you have actually driven the route and arrived at the destination, you cannot run the demo trip.

1 Press the **NAVI MENU key.**

This displays the navi menu.

2 Touch **Start Demo .**



This displays "Demo" and starts the demo trip.

Ending

1 During the demo trip, press the **NAVI MENU key.**

This displays the navi menu.

2 Touch **Stop Demo .**

This ends the demo trip.

ADVICE

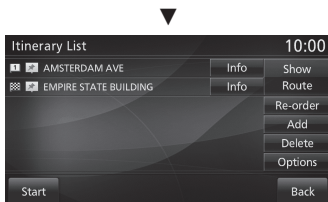
Besides this operation, the demo trip also ends if any of the following conditions is met.

- The trip is actually started.
- The destination or a waypoint is changed. Or deleted.
- The ignition key is switched to "OFF".
- A search condition is changed.
- On the itinerary list screen, [Show Route] is touched.

Change the Route

A detour route or a different route can be set for the route currently set. The route search method can also be changed.

- 1 Press the **NAVI MENU** key.
This displays the navi menu.
- 2 Touch **Route Menu** , and then **Itinerary** .



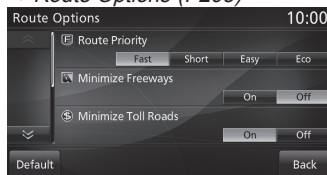
This displays the itinerary list.

Change Search Conditions

You can change the route search conditions.

- 1 On the itinerary list screen, touch **Options** .
- 2 Touch the “search condition” to set.

→“Route Options”(P203)



- 3 Touch **Back** .
- 4 Touch **Start** .



The search using the set condition is complete.

Set and Change a Waypoint

ADVICE

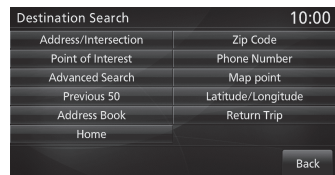
- Set the destination before setting any waypoint.
- Up to 5 waypoints can be set.

Setting a Waypoint

This section explains the method for setting a waypoint when none has been set yet.

ADVICE

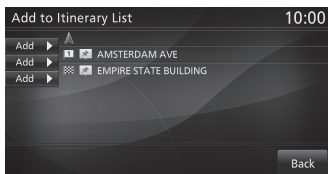
- You can also set a waypoint from the scroll menu (P32).

- 1 On the itinerary list screen, touch **Add** .
 - 2 Touch any “search method” and search for the location.
- 
- 3 Touch **Itinerary List** .

→“Search Method Selection Screen”(P62)

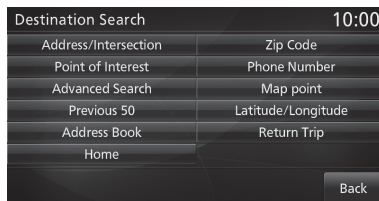
Continued on the next page

4 Touch **Add** for the location to add.



This sets the waypoint and displays the itinerary list screen (P61).

Search Method Selection Screen



Address/Intersection	Searches for a location from an address. The procedure is the same as from Step 2 onward in "Search from Address"(P50).
Point of Interest	The name of an establishment can be entered to search for its location. The procedure is the same as from Step 2 onward in "Search by Inputting an Establishment Name"(P51).
Advanced Search	Searches for establishments near the current location and destination and near the route. → "Search for Nearby Establishments"(P53)
Previous 50	Uses the search history. The procedure is the same as from Step 2 onward in "Use the Search History"(P50).
Address Book^{*1}	Loads Address Book. The procedure is the same as from Step 2 onward in "Load from the Address Book"(P49).
Home^{*2}	Loads own home.
Zip Code	Used when you know the zip code of the location you are searching for. The procedure is the same as from Step 2 onward in "Search from Zip Code"(P55).

Phone Number	Used when you know the telephone number of the location you are searching for. The procedure is the same as from Step 2 onward in "Search from Telephone Number"(P55).
Map Point	The location scrolled to on the map (P40) can be set.
Latitude/Longitude	The latitude and longitude can be entered to search for the location. The procedure is the same as from Step 2 onward in "Search by Latitude and Longitude"(P56).
Return Trip	Loads the start location used for route setting.

*1 When you set an address in the address book (P72), this is displayed in the menu.

*2 When you register your home (P68), this is displayed in the menu.

Deleting a Waypoint

Delete a set waypoint.

ADVICE

- Waypoints that you have already passed cannot be deleted.

- On the itinerary list screen, touch **Delete**.
- Touch the “waypoint” to delete.



Select All

Selects all the registered items. Touch to delete all.

Clear All

Cancels all the selected items.

- Touch **Done**.
- Touch **Yes**.

This deletes the waypoint and displays the itinerary list screen (P61).

Operating from a Sub-menu

You can delete the next waypoint you are scheduled to pass through.

- On the current location screen, touch **▲**.
- Touch **Change Route**.
- Touch **Clear Transit Route**.



This deletes the next waypoint you are scheduled to pass through and starts the route search.

ADVICE

- When you have passed through all the waypoints, [Delete Point] is grayed out and cannot be selected.

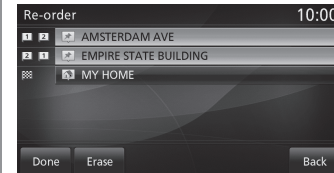
Re-ordering waypoints

The order for reaching the destination and waypoints is changed.

ADVICE

- Waypoints that you have already passed through cannot be re-ordered.

- On the itinerary list screen, touch **Re-order**.
- Touch “locations” in the order that you want to pass through them.



- Touch **Done**.



The re-ordering of waypoints is complete and the itinerary list screen (P61) is displayed.

Select from Four Routes

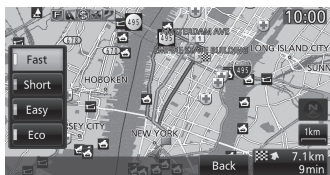
You can simultaneously search for routes with four different conditions, then select one of them.

ADVICE

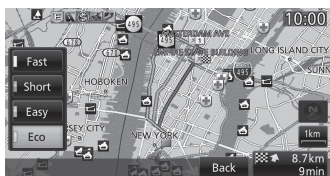
- Depending on the road conditions, it may not be possible to search for all four routes.

1 On the itinerary list screen, touch **Show Route** and **4Routes** .

2 Touch the “search condition” to set.



The search conditions are the same as for “Route Options”(P203) “Route Priority”.



This displays the route with the changed search conditions.

Search for a Detour Route

You can search for a route that detours ahead the distance you specify.

ADVICE

- This operation is not possible if the distance to the destination is less than 1 km.

1 Press the **NAVI MENU** key.

This displays the navi menu.

2 Touch **Route Menu** , and then **Detour** .

3 Touch the “distance” to detour.



If you touched [Avoid Street], refer to “Selecting a detouring road”(P64).

The search for the route detouring the set distance is complete and route guidance starts.

NOTE

- You can change the distance unit with [System] [Units].
→“System Settings”(P211)

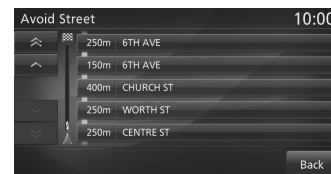
Selecting a detouring road

Select the street that will be the starting point and the street that will be the ending point, then set a route that detours that range.

1 Execute up to Step 2 in “Search for a Detour Route”(P64).

2 Touch **Avoid Street** .

3 Touch the “street” you want to set to the starting point.



If you are detouring only one street, proceed to Step 5.

4 Touch the “street” you want to set to the ending point.




5 Touch **Set** .

The search for the route detouring the set range of streets is complete and route guidance starts.

Searching for a Different Route


This repeats the searches for the route.

- 1 On the current location screen, touch .
- 2 Touch **Change Route**.
- 3 Touch **Alternative Route**.

The search for a different route is complete and route guidance starts.

Pause Route Guidance

This pauses route guidance.

- 1 On the current location screen, touch .
- 2 Touch **Stop Guidance**.


This pauses route guidance.

ADVICE

- While the route guidance is paused, you can change the destination, waypoints, and search conditions. If you change anything, the search is repeated, then the route guidance starts.

Restarting Guidance

This restarts paused route guidance (P65).

- 1 On the current location screen, touch .
- 2 Touch **Start Guidance**.

The route is searched for again and route guidance starts.


Delete a Route

This deletes the input destination and waypoint and deletes the route.


- 1 Press the **NAVI MENU** key. This displays the navi menu.
- 2 Touch **Route Menu**, and then **Delete Route**.
- 3 Touch **Yes**.

The deletion of the route is complete and the current location screen (P30) is displayed.

ADVICE

- You can also delete the route by touching the [DEST] key, and then [Delete Route]. The [DEST] key may change to the  key depending on the model.

Operating from a Sub-menu

- 1 On the current location screen, touch .
- 2 Touch **Change Route**.
- 3 Touch **Delete Route**.

The deletion of the route is complete.

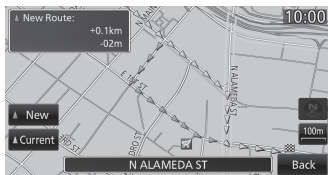
Select the DRG route

When the RTT message is detected, a route based on the detected information is searched and DRG (Dynamic Route Guidance) route can be selected.

ADVICE

- It is necessary to set the [RTT Options] “Dynamic Route Guidance” to [On].→ “Navi Settings” (P196)

1 When the search for a new route based on RTT messages is complete...



The audio guide will announce the search of a new route, and the [Show Route] is displayed.

2 Touch **Show Route** .

3 Touch **New** .

This shows the new route.

ADVICE

- Touching [Current] keeps the route currently selected.

Register an Avoid Area

You can register and edit areas you want to avoid passing through for route searches.

NOTE

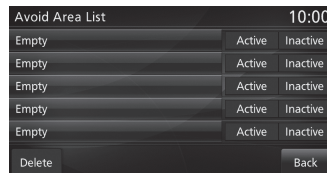
- Up to 5 avoid areas can be registered.

1 Press the **NAVI MENU** key.

This displays the navi menu.

2 Touch **Route Menu** , and then **Avoid Areas** .

3 Touch any **Empty** .



This displays the current location screen.

4 Touch **Search** .

To register the displayed location, proceed to Step 6.

ADVICE

- You can change the name of the avoid area by touching [Name]. → “How to Input Characters”(P19)

5 Touch an item, then input the “location”.



Touching [Last 5] allows you to select from among the last 5 searches.

6 Touch **Set** .

If you do not want to adjust the area, proceed to Step 12.

7 Touch **Adjust** .

This adjusts the area range. You can change the location by touching the map screen.

8 Touch **Adjust Size** .

9 Touch **▲** , **▼** , **◀** , or **▶** to adjust the range.



10 Touch **Set Area** .

11 Touch **Set Area** again.

12 Touch **Set** .



This displays the avoid area list screen.

Editing an Avoid Area

You can change and set avoid areas.

1 Execute up to Step 2 in *“Register an Avoid Area”(P66)*.

2 Touch **Active** or **Inactive** for the set area.

Active	Sets that route guidance does not take you through the registered area.
Inactive	Sets that route guidance does take you through the registered area.

3 Touch the “avoid area” to edit.



This displays the area to edit.

ADVICE

- You can change the avoid area information displayed here. Execute the procedure for Steps 4 through 10 in *“Register an Avoid Area”(P66)*.

4 Touch **Set** .



The editing is complete.

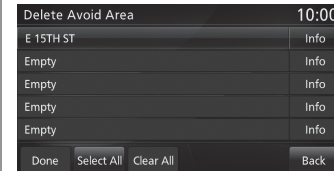
Deleting an Avoid Area

This deletes a registered area.

1 Execute up to Step 2 in *“Register an Avoid Area”(P66)*.

2 Touch **Delete** .

3 Touch the “area” to delete.



Select All Selects all the registered items. Touch to delete all.

Clear All Cancels all the selected items.

4 Touch **Done** .

5 Touch **Yes** .




The deletion of the selected area is complete.

Set an Address in the Address Book

Register a Home Location

If you register your home, it is simple to set a route going home from the location you have gone out to.

The **DEST** key may change to the  key depending on the model.

ADVICE

- For information on how to set a route returning to your home, refer to “Set Your Home as the Destination”(P47).
- For information on how to delete the registration of your home, refer to “Erase Your Home Registration”(P69).
- You can only register one home.

1 Press the **DEST** key.

This displays the destination menu.

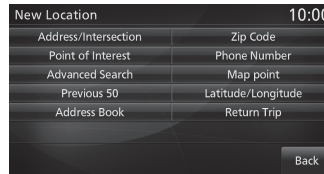
2 Touch **Go Home** .

3 Touch **Yes** .

4 Touch **New** in “Home Location”.



5 Touch any “search method” and search for the location.




→“Search Method Selection Screen”(P62)

ADVICE

- If the current location is your home, you can register it by simply touching [Map Point].

6 When the location you searched for is displayed, touch **Set** .



This displays the  mark at the searched for location and the home address information (P74).

ADVICE

- You can change the address book information displayed here. Execute the procedure for Steps 5 and beyond in “Change Address Book Information”(P74).

7 Touch **Set as Home** .

Registration of your home is complete.

Change the Home Location

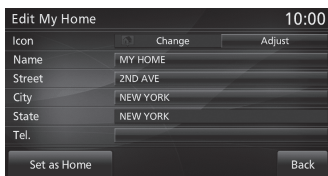
You can edit your home information.

1 Press the **NAVI MENU** key.

This displays the navi menu.

2 Touch **Personal** .

3 Touch **Edit** in “Home Location”.



This displays the information in the address book for your home (P74).

ADVICE

- You can change the address book information displayed here. Execute the procedure for Steps 5 and beyond in “Change Address Book Information”(P74).

4 Touch **Set as Home** .

Editing of your home is complete.

Erase Your Home Registration

This deletes your home registration.


1 Execute up to Step 2 in “Change the Home Location”(P69).

2 Touch **Delete** in “Home Location”.

3 Touch **Yes** .

Deletion of your home registration is complete.

Set a Frequently Used Location in the Address Book

You can register locations frequently used as a destination or waypoint. The **DEST** key may change to the  key depending on the model.

ADVICE

- Up to 5 frequently used locations.

1 Press the **DEST** key.

This displays the destination menu.

2 Touch the “number” to register.

If no “number” is displayed, touch  .



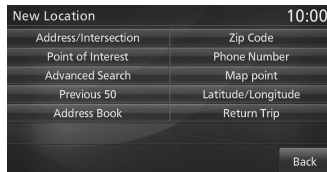
ADVICE

- If you touch a number for which a frequently used location has already been registered, that location is loaded. To make a new registration, select a number for which no location has been registered.

3 Touch **Yes** .

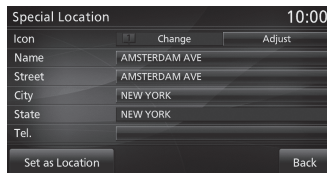
4 Touch the “unregistered list”.


5 Touch any “search method” and search for the location.



→“Search Method Selection Screen”(P62)

6 When the location you searched for is displayed, touch **Set** .



This displays the  mark at the searched for location and the frequently used location information (P74).

ADVICE

- You can change the address book information displayed here. Execute the procedure for Steps 5 and beyond in “Change Address Book Information”(P74).

7 Touch **Set as Location** .

Frequently used location registration is complete.

Change a Frequently Used Location

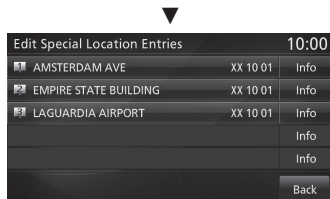
You can edit frequently used locations.

- 1 Press the **NAVI MENU** key.

This displays the navi menu.

- 2 Touch **Personal** .

- 3 Touch **Edit** in “Special Location”.



This displays the information in the address book for frequently used locations (P74).

ADVICE

- You can change the address book information displayed here. Execute the procedure for Steps 5 and beyond in “Change Address Book Information”(P74).

- 4 Touch **Set as Location** .

Frequently used location editing is complete.

Delete a Frequently Used Location

- 1 Execute up to Step 2 in “Change a Frequently Used Location”(P71).

- 2 Touch **Delete** in “Special Location”.

- 3 Touch the “frequently used location” to delete.


- 4 Touch **Done** .

- 5 Touch **Yes** .

Frequently used location deletion is complete.

Set an Address in the Address Book

Setting a location you have gone to, a location you want to go see, or the like in the address book makes route setting simple.


The **[DEST]** key may change to the  key depending on the model.

ADVICE

- Up to 200 addresses can be registered in the address book.

Register the Current Location

This registers the location where you are now (your car's location) from the current location screen.

1 On the current location screen, touch  .

2 Touch **[Set Location]** .

Registration of the current location is complete.

ADVICE

- The address book information screen is not displayed and the address is set in the address book with the name blank.
- Fill in the blank column of the address book information according to the objective.
→“Change Address Book Information”(P74)

Register a Searched for Location

This section explains the series of operations for registering a location searched for from the destination menu (P22) in the address book.

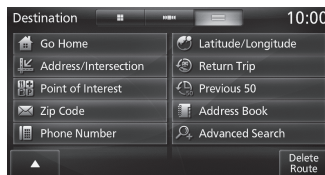
ADVICE

- You can also register by touching **[DEST]** key, **[Address Book]**, and **[New]**.

1 Press the **[DEST]** key.

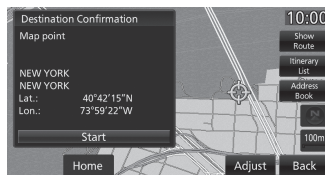
This displays the destination menu.

2 Touch any “search method” and search for the location.



→“Destination Menu”(P22)

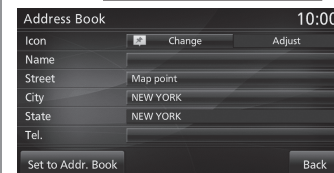
3 When the location you searched for is displayed, touch **[Address Book]** .




ADVICE

- Depending on the search method, the establishment name and telephone number may not be displayed.

4 Touch **[Set to Addr. Book]** .



This displays the  mark at the searched for location and the address book information screen (P74).

Registration of the search for location is complete.

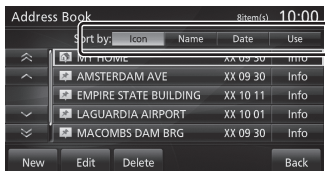
ADVICE

- You can change the address book information displayed here. Execute the procedure for Steps 5 and beyond in “Change Address Book Information”(P74).

Change the List Order

You can change the order of items in the address book list.

- 1 Press the **DEST** key.
This displays the destination menu.
- 2 Touch **Address Book** .
This displays the address book list.
- 3 Touch the “order” to change to.



The list is changed to the selected order.

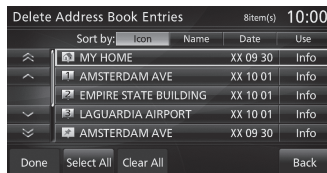
Types of Order

Icon	Sorts the list of marks in order from the top left.
Name	The marks are displayed in order of the names in the Address Book.
Date	The marks are displayed in order of the newest registration.
Use	Sorts the list of marks in order of marks recently used for route searches and searches using the Address Book.

Delete an Address from the Address Book

Delete an address registered in the address book.

- 1 Press the **NAVI MENU** key.
This displays the navi menu.
- 2 Touch **Personal** .
- 3 Touch **Delete** in “Address Book”.
- 4 Touch the “address in the address book” to delete.




Select All	Selects all the registered items. Touch to delete all.
Clear All	Cancel all the selected items.

- 5 Touch **Done** .
- 6 Touch **Yes** .

Deletion of the selected address is complete.

Change Address Book Information

You can change and delete addresses from the address book.

The **DEST** key may change to the  key depending on the model.

ADVICE

- The location must already be registered.

1 Press the **DEST** key.

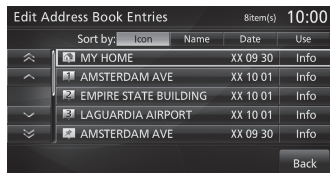
This displays the destination menu.

2 Touch **Address Book**.

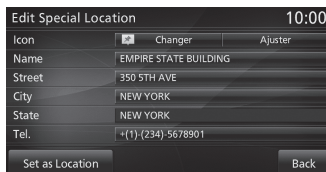
This displays the address book list.

3 Touch **Edit** in “Address Book”.

4 Touch the “address in the address book” to change.



5 Touch the “information” to change.



Address Book Information Screen

This section explains the address book information you can change.

Icon

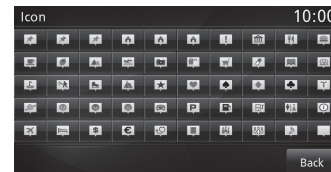
You can change the mark for the registered address displayed on the map screen.

ADVICE

- You cannot change the location mark for your home.


1 On the address book information screen, touch **Change** in “icon”.

2 Touch the “icon” to change.



The icon change is complete.

ADVICE

- There are 49 icons to choose from.
- Touching  eliminates display of the mark on the map screen.

Adjust

You can change the location in the address book.

1 On the address book information screen, touch **Adjust** .

2 Scroll the map (P40) and line up the **+** mark with the "location" to change.



3 Touch **Set** .

The location change is complete.

Name

You can change the name of the location mark for the location in the address book displayed on the map screen.

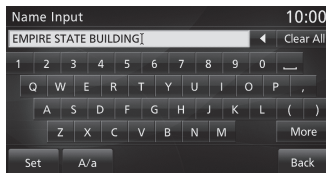
ADVICE

- You can select to display or not display the name of the location in the address book on the map with [Screen] "Address Book Names".

→"Navi Settings"(P196)

1 On the address book information screen, touch "Name".

2 Input the "name" to change, then touch **Set** .



→"How to Input Characters"(P19)

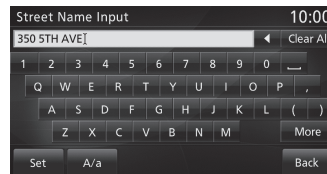
The name change is complete.

Street or City

You can change the street name or city name.

1 On the address book information screen, touch "street" or "city".

2 Input the "name" to change, then touch **Set** .



→"How to Input Characters"(P19)

The street name or city name change is complete.

Tel

You can register the telephone number in the address book.

1 On the address book information screen, touch “TEL”.

2 Input telephone number by touching “numbers”, then touch **Set**.



The telephone number change is complete.

NOTE

- Telephone numbers up to 24 digits long can be input.

RTT

RTT

You can use the real-time traffic message.

DRG (Dynamic Route Guidance)

When the RTT messages or traffic rule information is detected, the best route is calculated automatically based on the detected information and guidance is provided.

→ "Select the DRG route" (P66)

ADVICE

- It is necessary to set the [RTT Options] "Dynamic Route Guidance" to [On]. → "Navi Settings" (P196)

RTT Surveillance Map

RTT is a service that provides traffic message using FM HD Radio signal (FM Radio waves). Areas can be registered to check the traffic rules and traffic messages of the registered area.

→ "Registering the RTT Surveillance Map" (P80)

RTT Switches

You can receive or check traffic messages.

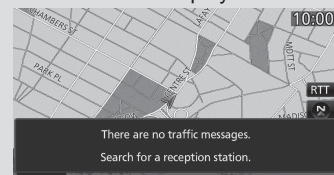
1 On the current location screen, touch **RTT**.



This displays RTT messages with RTT Event Icons.

ADVICE

- If a broadcast station is not received, the below screen is displayed.



[Yes] and [No] may be selected in the above screen depending on the model. Touch [Yes]. If a station is found, the following screen is displayed.











RTT Event Icons

Each traffic message is displayed with the following marks on the map.

ADVICE

- Whether or not to display “RTT Event Icons” can be selected with [RTT] → [RTT Icons on Map].
→ “RTT Icons on Map” (P202)
- Whether or not to display traffic congestion information “no traffic (Cyan line)” can be selected with [RTT]→“Display Progress Line”.
→“Navi Settings”(P196)

Traffic

	Closed/Blocked		Contra flow
	Accident		Diversion
	Congestion ^{*1}		Narrow Road
	Road Work		Slippery Road

Other

	Other Hazards		Parking Information
	Information ^{*1}		

Traffic Congestion Information

Red	Road closures Traffic jams
Orange	Congestion
Cyan	Favorable route ^{*2}

^{*1} This is displayed when [RTT] is touched and there is an icon to display.

^{*2} This may not be displayed depending on the region.

Display Contents

This section explains the RTT messages displayed on the map.



1) Traffic Congestion Information

Traffic congestion (red line), crowded (orange line), and no traffic (cyan line) is displayed with lines to check the traffic congestion information.

The favorable route (Cyan line) may not be displayed depending on the region.

2) Traffic rule information

Allows you to check the road closures and lane regulations with RTT Event Icons.

3) Traffic^{*}

Only Traffic icons can be displayed.

4) Other^{*}

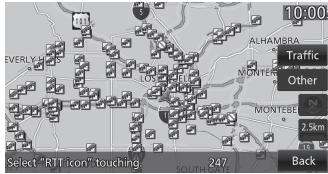
Only Other icons can be displayed.

^{*} This is not displayed when there are no icons to display.

Checking the RTT Traffic Messages

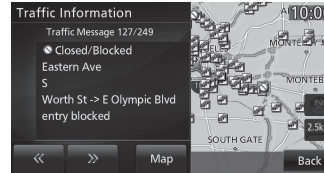
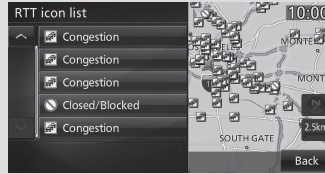
You can check the traffic messages using RTT.

- 1 On the current location screen, touch **RTT** .
- 2 Touch the “RTT Event Icons” to check.



ADVICE

- When “RTT Event Icons” are displayed overlapped, a list is displayed to select the icon.



This displays the traffic message screen.

ADVICE

- You can check the previous and next information by touching **⏪** or **⏩** .
- Touching [Map] displays a map of the surroundings.

Registering the RTT Surveillance Map

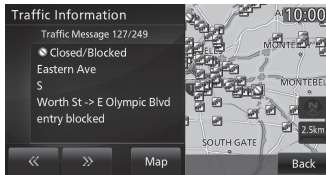
Areas can be registered to check traffic messages.

NOTE

- Up to 3 areas can be registered.

Registering from RTT Traffic Messages

- 1 Execute up to Step 2 in “Checking the RTT Traffic Messages” (P79).



- 2 Touch **Map** .
- 3 Touch **Set** .
- 4 Touch **RTT Surveillance Map** to register.

If you select the registered [RTT Surveillance Map], it is overwritten.

Registration of the RTT Surveillance Map is complete.

Registering from Scroll Menu

- 1 Scroll the map (P40) and line up the + mark with the “location” to register.



- 2 Touch **Set** .
- 3 Touch **Set as RTT Surveillance** .
- 4 Touch **RTT Surveillance Map** to register.

If you select the registered [RTT Surveillance Map], it is overwritten.

Registration of the RTT Surveillance Map is complete.

AV

The following explains audio function operations.

Audio Functions

Basic Operation

NOTE

- The album names, titles, etc. in the title information in pictures used with the audio functions and related functions of this manual were prepared for these explanations. They have no relationship whatsoever with actual title information.

Switch Audio ON/OFF

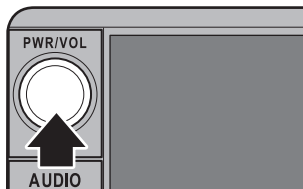
You can switch the audio function ON/OFF.

ADVICE

- Hold down the steering [MODE] key to also turn the audio function ON/OFF.
- Hold down the [PWR/VOL] key to turn off the audio function and disable the screen display.

This function may not operate depending on the model.

1 Press the **PWR/VOL** key.



This switches the audio function OFF.

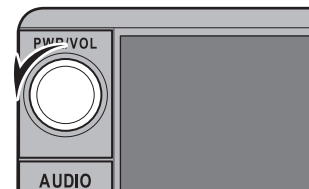
2 Press the **PWR/VOL** key.

The audio function comes ON.

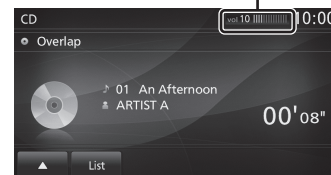
Adjust Volume

Adjust the audio function volume.

1 During audio play, turn the **PWR/VOL** key counter-clockwise.



Volume display



The volume is lowered.

2 Turn the **PWR/VOL** key clockwise.

The volume is raised.

Insert/Eject Discs

The following explains how to insert a disc into this product.

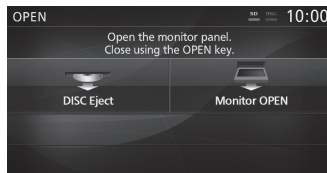
⚠ CAUTION

- When replacing discs, first ensure that the vehicle is stopped in an area in which stopping is permitted.
- Do not insert your hand, fingers, or foreign objects into the disc slot. This may lead to injury, smoking, or fire.
- Do not place anything (juice or anything else) on the panel.
- Be careful that your hand or fingers are not pinched when you open or close the panel.
- Some discs cannot be detected in the disc slot, for example discs that cannot be played back. Check that the panel can close before trying to close it.

Inserting the Disc

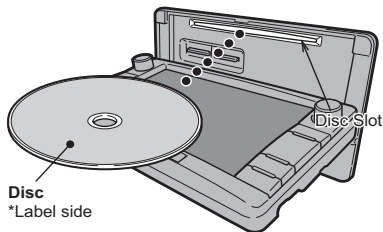
1 Press the **OPEN** key.

2 Touch **Monitor OPEN** .



The monitor panel opens.

3 Insert the disc into the disc slot with the label surface up.



Push the disc in a certain amount, and the product will pull the disc in.

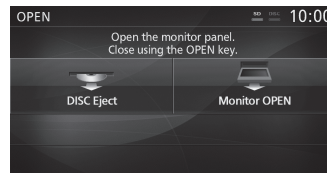
4 Press the **OPEN** key.

The monitor panel closes and playback starts.

Ejecting the Disc

1 Press the **OPEN** key.

2 Touch **DISC Eject** .



The monitor panel opens and the disc is ejected from the product, so remove it.

3 Press the **OPEN** key.

The panel closes.

Forcing Disc Ejection

Usually, when the disc loading ends normally, the inserted disc can be ejected with the method in the "Ejecting the Disc", but if disc loading fails and the playback information screen can be displayed, you can forcibly eject the disc with the following method.

- 1 To start this product, hold down the **OPEN** key.



The disc is forcibly ejected from this product.

AV Icons

During audio playback, an icon is displayed on the navigation screen as below in order to show the audio source being played back.

AV Icon



Icon	Audio source
	Audio OFF state
	Radio (Example: FM)
	Disc (Example: MP3)
	Audio file on SD card (Example: MP3)
	iPod/iPhone
	Audio file on USB memory (Example: MP3)
	Bluetooth Audio
	AUX

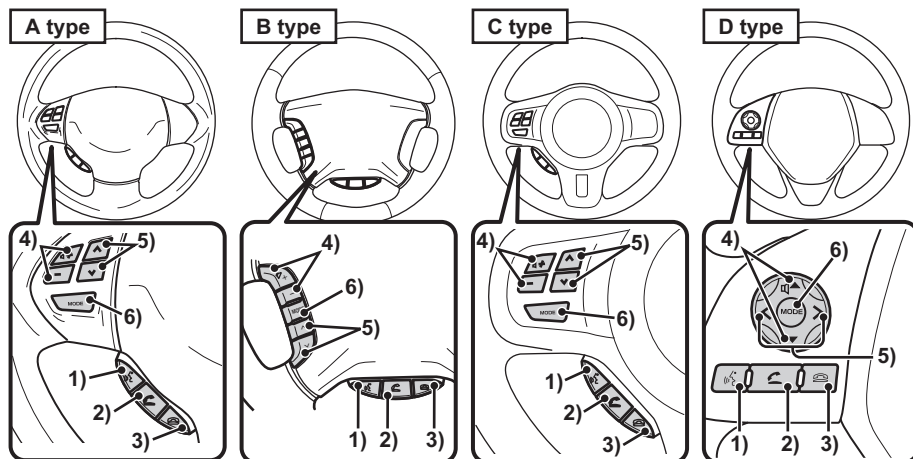
ADVICE

- It is necessary to set the [Screen] "AV Icon" "Show".
→ "Navi Settings"(P196)

NOTE

- The audio screen currently being played can be displayed by touching the AV icon depending on the model.

Steering Remote Control Switch Operation



1) "SPEECH" key

Starts voice control of this product.

2) "OFF HOOK" key^{*1}

Used to receive a telephone call. Other than during incoming calls, voice control (hands-free) for Bluetooth[®] 2.0 interface will start.

3) "ON HOOK" key^{*1}

Used to end a telephone call.

4) Vol **+** key, **-** key

Adjust audio functions and the telephone function volume.

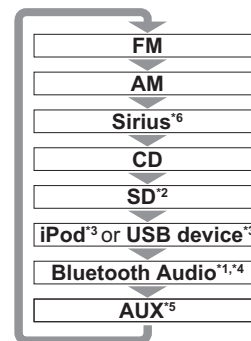
5) **▼** key, **▲** key

Allows you to select CD and other audio source tracks and radio stations. Hold down for fast forward and rewind.

6) **MODE** key

Hold down to turn the audio function ON/OFF. Additionally, each time this is pressed, this switches the audio source.

The order of switching is as shown below. If devices are not connected, then these are to be skipped, and the next source selected.



^{*1} Can be used with vehicles equipped with a Bluetooth[®] 2.0 interface.

^{*2} First, it is necessary to insert an audio SD card into this product.

^{*3} An iPod or USB connection cable (available separately) is required.

^{*4} This requires an audio device that is Bluetooth capable (available separately).

^{*5} This is equipment that only some vehicle types have. It cannot be used with vehicles that do not support AUX devices.

^{*6} Can be used with vehicles equipped with a Satellite tuner.

Handling of Discs

This explains care that should be taken in the handling of discs.

Important Points on Handling

- Fingerprints or other marks on the read surface of the disc may result in its content being more difficult to read. When holding the disc, grip both edges, or one edge and the center hole, in order that the read surface is not touched.
- Do not affix paper or stickers, or otherwise damage the disc.
- Do not forcefully insert a disc if a disc is already within the device. This can result in damage to discs, or malfunction.

Cleaning

- Periodically clean the read surface of the disc. When cleaning, do not wipe in a circular motion. Instead, wipe gently outwards from the center of the disc to the outer edge.
- New discs may have burring around the outer edge or in the hole in the center. Ensure you check for these. If there are burrs, these may lead to faulty operation, therefore ensure these are removed.

Important Points on Storage

- When not using discs, ensure these are kept in cases, and stored out of direct sunlight.
- If discs are not going to be used for a long period of time, remove these from the product.

Disc Playback Environment




In cold environments such as in mid-winter when the interior of the vehicle is cold, turning the heater on and immediately trying to use the product may cause condensation (water droplets) to form on the disc and internal optical components, and this may prevent the product from operating correctly. In these conditions, remove the disc, and wait a short time before use.

Copyright

Actions such as unauthorized reproduction, broadcast, public performance, or rental of discs that comprise other than personal use are prohibited by law.

Types of Disc That Can Be Played Back

The following marks are printed on the disc label, package, or jacket.


Type	Size	Maximum playback time	Comments
CD-DA 	5 inches (12 cm)	74 minutes	—
CD-TEXT 	5 inches (12 cm)	74 minutes	—
CD-R/RW 	5 inches (12 cm)	—	• Disc containing MP3/WMA/AAC files

Discs That May Not Be Played Back

- Playback of discs other than those described in “Types of Disc That Can Be Played Back” is not guaranteed.
- 3 inches(8 cm) discs may not be used.
- Do not insert irregularly-shaped discs (for example, heart-shaped), as these may result in malfunction.
Additionally, discs that have transparent portions may not be played back.
- Discs that have not been finalized cannot be played back.
- Even if recorded using the correct format on a recorder or computer, application software settings and environments; disc peculiarities, damage, or marking; or dirt or condensation on the lens inside the product may render the disc unplayable.
- Depending on the disc, some functions may not be used, or the disc may not play back.
- Do not use discs with cracks or warps.
- If the disc has stickers affixed, remains from removed stickers, or affixed adhesive, then do not use the disc.
- Discs that have decorative labels or stickers may not be used.

Nonstandard CDs

This product will play back audio CDs, however please be aware of the following points regarding CD standards.

- Ensure that you use discs with  on the label surface.
- Playback of other than standard CDs is not guaranteed. Even if the audio can be played back, the audio quality cannot be guaranteed.
- When playing back other than standard CDs, the following may occur.
 - There may be noise during playback.
 - There may be jumping in the audio.
 - The disc may not be recognized.
 - The first track may not be played back.
 - It may take longer than usual until start of playback of tracks.
 - Playback may start from within the track.
 - Some parts may not be played back.
 - Tracks may freeze during playback.
 - Tracks may be displayed erroneously.

Audio Files(MP3/WMA/AAC/WAV)

This product can play back MP3/WMA/AAC/WAV format^{*2} audio files recorded on CD-ROM, CD-R/RW, USB devices, and SD cards^{*1}.

*1 SD card inserted into user slot

*2 WAV files recorded on CD-ROMs and audio files in AAC format that have ".aac" file extension cannot be played.

There are limitations on the files and media that can be used, therefore read the following prior to recording MP3/WMA/AAC/WAV format audio files on any medium.

Additionally, ensure you read the user manuals for your CD-R/RW drive and the writing software, and ensure these are used correctly.

If the MP3/WMA/AAC/WAV format audio files include title information or other data, then this can be displayed.

CAUTION

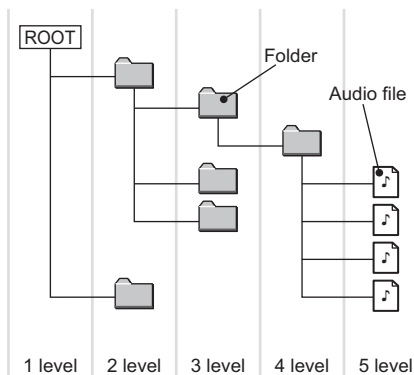
- Actions such as copying audio CDs or files and either distributing these to others for free or for charge, or uploading files via the Internet or other means to servers is an infringement of the law.
- Do not append the file extensions ".mp3", ".wma", ".m4a", ".aac", or ".wav" to other than MP3/WMA/AAC/WAV format files. Playing back discs with files whose contents do not match their file extension may cause the files to be incorrectly identified for playback, which may lead to loud noise, resulting in speaker damage or accident.

ADVICE

- Depending on the condition of the disc recorder or recording software used, correct playback may not be possible. In these cases, refer to the user manual for your product or software.
- Depending on your computer's operating system, version, software, or settings, files may not have a file extension appended. In these cases, append the file extensions ".mp3", ".wma", ".m4a", ".aac", or ".wav" when copying the files to the medium.
- Files larger than 2GB in size cannot be played back.
- This product can also play back discs that mix audio files in different formats, MP3, WMA, and AAC.

Folder Structure

Up to 8 folder levels can be recognized. You can create a folder structure such as Genre - Artist - Album - Track (MP3/WMA/AAC/WAV format audio files) for management of tracks.



Name	Specification	Explanation	
Format specifications	ISO9660	Level 1	Maximum 8 character file name, and 3 character file extension. (single-byte alphanumeric capital letters, numerals, “_” may be used)
	ISO9660 extension	Joliet	Files names up to a maximum 64 characters can be used.
Multisession	Not supported (only first session supported)		
Maximum number of levels	8 levels (if the root is the 1st level)		
Maximum folder number	100 folders (including root)		
Maximum file number^{*1}	255 files (total number on media. Other than MP3, WMA, AAC, and WAV files not included)		
File name and folder name restrictions	Maximum 128 bytes (for Unicode, 64 characters), files/folders with file/folder names longer than this will not be displayed or played back.		
USB, SD card supported formats	The recommended file system is FAT32. 1 partition only The maximum supported capacity for an SD card is 32GB (SDHC standard supported). The recommended class for an SD card is Class 4 or higher.		

*1 Do not include other than MP3/WMA/AAC/WAV files. However, if storing many tracks within the same folder, these may not be recognized even if less than the maximum number of tracks. In these cases, divide the tracks up into multiple folders.

NOTE

- The order in which folders and audio files are displayed on this product may be different to how they are displayed on a computer.

What Is MP3?

MP3 is an abbreviation of "MPEG-1 Audio Layer 3". MPEG is an abbreviation of "Motion Picture Experts Group", and this is a video compression standard used in video CDs, etc. MP3 is one of the audio compression methods contained in the MPEG audio standard, and reduces the quality of sounds that are beyond the auditory resolution of the human ear and that are hidden by louder sounds, thus creating high-quality data with a lower data size.

Because this can compress CD audio to approximately 1/10 its original data size without perceptible loss, approximately 10 CDs can be written to a single CD-R/RW disc.

CAUTION

- MP3 files different to the standards at right may not play back correctly, or file/folder names may not be displayed correctly.

Standards for MP3 Files That Can Be Played Back

Specifications for MP3 files that can be played are as below.

* For vehicles with the Bluetooth® 2.0 interface, refer to the vehicle's user manual (Bluetooth® 2.0 interface).

Item	Details	
Specification	MPEG-1 AUDIO LAYER3	
	MPEG-2 AUDIO LAYER3	
Sampling frequency [kHz]	MPEG-1:32/44.1/48	
	MPEG-2:16/22.05/24	
Bit rate [kbps]	MPEG-1:32~320	
	MPEG-2:32~160	
VBR (variable bit rate)	Support	
Channel mode	Stereo/Joint stereo/Dual channel/Monaural	
File extension	mp3	
Supported tag information	ID3 tag Ver. 1.0, Ver. 1.1, Ver. 2.2, Ver. 2.3, Ver. 2.4 (ISO-8859-1, UTF-16 (Unicode)), Titles, Artist name, Album name	
Maximum number of characters that can be indicated on the source plate ¹	Album names: 41 single-byte characters (20 double-byte characters) Title names: 18 single-byte characters (9 double-byte characters)	
Maximum number of characters that can be indicated in a list ¹	Folder names : 46 single-byte characters (23 double-byte characters) Files names : 34 single-byte characters (17 double-byte characters)	
	When folder list displayed	48 single-byte characters (24 double-byte characters) * In the 2nd level (the root being the 1st level) * The number of characters displayed depends on the level. Each level down has 2 single-byte characters (1 double-byte character) less.
	When track list displayed	Files names: 49 single-byte characters (24 double-byte characters)

*1 Depending on the characters used, you may not be able to input the maximum number of characters.

What Is WMA?

WMA is an abbreviation of Windows Media Audio, and this is an audio compression format from Microsoft. This is a compression format that has a higher compression ratio than MP3.

* Microsoft, Windows Media, and Windows are registered trademarks of Microsoft Corporation (USA) and in other countries.

CAUTION

- WMA supports digital rights management (DRM). This product cannot play back WMA files protected using this system.
- WMA files different to the standards at right may not play back correctly, or file/folder names may not be displayed correctly.
- “Pro”, “Lossless”, and “Voice” are not supported.

Standards for WMA Files That Can Be Played Back

Specifications for WMA files that can be played are as below.

* For vehicles with the Bluetooth® 2.0 interface, refer to the vehicle’s user manual (Bluetooth® 2.0 interface).

Item	Details
Specification	Windows Media Audio Version2~9
Sampling frequency [kHz]	16/22.05/32/44.1/48
Bit rate [kbps]	32~192
VBR (variable bit rate)	Support
Channel mode	Stereo/Monaural
File extension	wma
Supported tag information	WMA tags Title name, Artist name, Album name
Maximum number of characters that can be indicated on the source plate ¹	Album names: 41 single-byte characters (20 double-byte characters) Title names: 18 single-byte characters (9 double-byte characters)
Maximum number of characters that can be indicated in a list ¹	Folder names : 46 single-byte characters (23 double-byte characters) Files names : 34 single-byte characters (17 double-byte characters)
	When folder list displayed * In the 2nd level (the root being the 1st level) * The number of characters displayed depends on the level. Each level down has 2 single-byte characters (1 double-byte character) less.
	When track list displayed Files names: 49 single-byte characters (24 double-byte characters)

*1 Depending on the characters used, you may not be able to input the maximum number of characters.

What Is AAC?

AAC is an abbreviation of Advanced Audio Coding, and this is an audio compression standard used in "MPEG-2" and "MPEG-4". This features 1.4x the compression of MP3, with comparable audio quality.

⚠ CAUTION

- AAC supports digital rights management (DRM). This product cannot play back AAC files protected using this system.
- AAC files different to the standards at right may not play back correctly, or file/folder names may not be displayed correctly.

Standards for AAC Files That Can Be Played Back

Specifications for AAC files that can be played are as below.

* For vehicles with the Bluetooth® 2.0 interface, refer to the vehicle's user manual (Bluetooth® 2.0 interface).

Item		Details
Specification		Advanced Audio Coding MPEG4/AAC-LC MPEG2/AAC-LC
Sampling frequency [kHz]	MPEG4	8/11.025/12/16/22.05/24/32/44.1/48/64/88.2/96
	MPEG2	8/11.025/12/16/22.05/24/32/44.1/48/64/88.2/96
Bit rate [kbps]	MPEG4	16~576
	MPEG2	16~576
VBR (variable bit rate)		Support
Channel mode		Stereo/Monaural
File extension		m4a,aac (Only ".m4a" is supported on discs)
Supported tag information		AAC tags or ID3 tags Title, Artist name, Album name
Maximum number of characters that can be indicated on the source plate ¹		Files names: 18 single-byte characters (9 double-byte characters) Folder names: 41 single-byte characters (20 double-byte characters)
Maximum number of characters that can be indicated in a list ¹		Playlist names : 46 single-byte characters (23 double-byte characters) Title names : 34 single-byte characters (17 double-byte characters)
	When folder list displayed	48 single-byte characters (24 double-byte characters) * In the 2nd level (the root being the 1st level) * The number of characters displayed depends on the level. Each level down has 2 single-byte characters (1 double-byte character) less.
	When track list displayed	Files names: 49 single-byte characters (24 double-byte characters)

*1 Depending on the characters used, you may not be able to input the maximum number of characters.

What Is WAV?

WAV is an abbreviation of “RIFF wave form Audio Format” and is mostly used on Windows. This audio data format was developed by Microsoft and IBM. Normally WAV files are not compressed and that is the only type of WAV file that this product can handle.

CAUTION

- WAV files different from the standards above may not be played back correctly or file/folder names may not be displayed correctly.

Standards for WAV Files That Can Be Played Back

Specifications for WAV files that can be played are as below.

* For vehicles with the Bluetooth® 2.0 interface, refer to the vehicle’s user manual (Bluetooth® 2.0 interface).

Item	Details	
Specification	RIFF wave form Audio Format	
Sampling frequency [kHz]	8/11.025/16/22.025/32.44.1	
Number of quantization bits [bit]	16	
Bit rate [kbps]	128 to 1411.2	
Channel mode	Stereo/Monaural	
File extension	wav	
Maximum number of characters that can be indicated on the source plate ^{*1}	Files names: 18 single-byte characters (9 double-byte characters) Folder names: 41 single-byte characters (20 double-byte characters)	
Maximum number of characters that can be indicated in a list ^{*1}	Folder names: 46 single-byte characters (23 double-byte characters) File names: 34 single-byte characters (17 double-byte characters)	
	When folder list displayed	48 single-byte characters (24 double-byte characters) * In the 2nd level (the root being the 1st level) * The number of characters displayed depends on the level. Each level down has 2 single-byte characters (1 double-byte character) less.
	When track list displayed	Files names: 49 single-byte characters (24 double-byte characters)

*1 Depending on the characters used, you may not be able to input the maximum number of characters.

Radio

Listen to Radio

This explains how to listen to FM and AM radio broadcasts. HD Radio™ broadcast or analog broadcast can be received.

1 Press the **MODE** key.

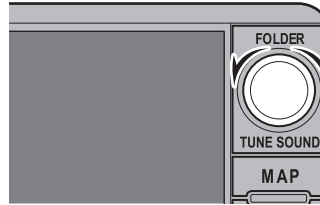
This displays the mode.

2 Touch **FM** or **AM**.



The radio broadcast information screen is displayed.

3 Turn the **FOLDER/TUNE** key to select a station.



The station at the selected frequency is played.

ADVICE

- By pressing the [AUDIO] key, you can display the navigation screen while using the audio function. Pressing the [AUDIO] key again returns the display to the audio screen.

HD Radio®

This HD Radio receiver enables:

PSD

HD2/HD3

Digital Sound

Traffic

Digital Sound

Digital, CD-quality sound. HD Radio Technology enables local radio stations to broadcast a clean digital signal. AM sounds like today's FM and FM sounds like a CD.

PSD

Program Service Data: Contributes to the superior user experience of HD Radio Technology. Presents song name, artist, station IDs, HD2/HD3 Channel Guide, and other relevant data streams.

HD2/HD3

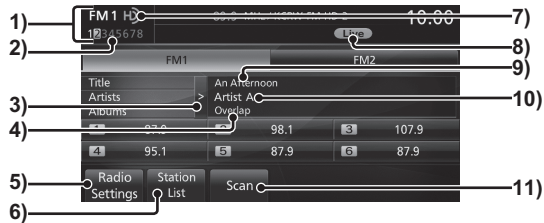
Adjacent to traditional main stations are extra local FM channels. These HD2/HD3 Channels provide new, original music as well as deep cuts into traditional genre.

Traffic

Real-Time Traffic reports, alerts, and flow data displayed on screen via interactive traffic maps and/or data.

Display Contents

FM Radio Broadcast Information Screen



1) Source plate

Displays the name of the currently selected source, preset channel number, reception frequency, and station name.

2) Sub Channel Indicator

This is displayed if the station being received digitally has a sub channel. Channel numbers with broadcasts are displayed in white. Channel numbers with no broadcasts are displayed in grey. Channel numbers currently receiving signals will be displayed in blue.

3) Switch page

Switches between Page 1 and Page 2 to view the title, artist name, and album title.

4) Album

Displays the acquired album name.

5) Radio Setting

Allows you to set Reception Mode.
→ "Set Reception Mode" (P98)

6) Station List

Displays a list of the stations that can be received.→ "Search for Broadcast Stations from the Station List" (P97)

7) HD Radio™ indicator

Digital broadcasts are displayed as they are received. A white icon is displayed during analog audio output, and an orange icon is displayed during digital audio output.

8) Live indicator

Live event broadcasts are displayed as they are received.

9) Title

Displays the acquired title name.

10)Artist

Displays the acquired artist name.

11)SCAN

Allows you to search for stations that can be received.→"Starting the Scan"(P96)

12)PTY

Displays the PTY (Program Type) being received.

13)Preset switch

Allows you to register your favorite broadcast stations. Touch and hold the switch for the desired preset channel number until you hear the "beep". This registers the broadcast station currently being received.
→ "Register Your Favorite Broadcast Stations" (P96)

14)RBDS indicator

RBDS data is displayed as it is received.

15)FM1 , FM2

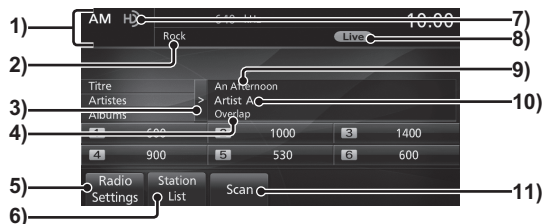
Allows you to register your favorite 6 stations for each band.

16)Radio Text

Displays the acquired radio text.

* This may not be displayed depending on the region.

AM Radio Broadcast Information Screen



1) Source plate

Displays the name of the currently selected source, preset channel number, reception frequency, and station name.

2) PTY

Displays the PTY (Program Type) being received.

3) Switch page

Switches between Page 1 and Page 2 to view the title, artist name, and album title.

4) Album

Displays the acquired album name.

5) Radio Setting

Allows you to set Reception Mode.
→ “Set Reception Mode” (P98)

6) Station List

Displays a list of the stations that can be received.
→ “Search for Broadcast Stations from the Station List” (P97)

7) HD Radio™ indicator

Digital broadcasts are displayed as they are received.
A white icon is displayed during analog audio output, and an orange icon is displayed during digital audio output.

8) Live indicator

Live event broadcasts are displayed as they are received.

9) Title

Displays the acquired title name.

10) Artist

Displays the acquired artist name.

11) SCAN

Allows you to search for stations that can be received. → “Starting the Scan” (P96)

12) Preset switch

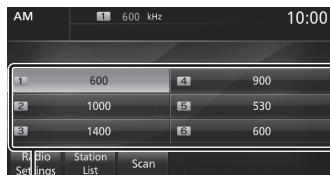
Allows you to register your favorite broadcast stations.
Touch and hold the switch for the desired preset channel number until you hear the “beep”. This registers the broadcast station currently being received.
→ “Register Your Favorite Broadcast Stations” (P96)

* This may not be displayed depending on the region.

Register Your Favorite Broadcast Stations

You can register your favorite 6 stations for each band, FM1, FM2, and AM.

- 1 On the radio broadcast information screen, turn the **FOLDER/TUNE** key to search for the “broadcast station” to register.
- 2 Touch and hold the “preset switch” to register to until you hear the “beep”.



Preset switch

This registers the selected broadcast station to the preset channel number whose switch you touched.

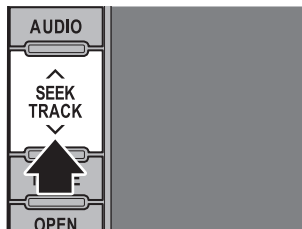
Search for Broadcast Stations with Strong Signals

This is handy for searching for broadcast stations you can receive when you drive to a different area, for example for vacation.

Starting the Seek

A receivable station can be searched one at a time.

- 1 On the radio broadcast information screen, press the **^ SEEK TRACK** key or **SEEK TRACK v** key.



When a receivable station is found, it is played.

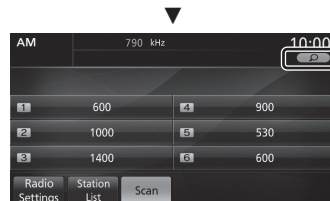
NOTE

- The **^ SEEK TRACK** key or **SEEK TRACK v** key may have to be held down until you hear the beep depending on the model.

Starting the Scan

This searches for stations that can be received.

- 1 On the radio broadcast information screen, touch **SCAN**.



When a station is received, this is played for 10 seconds, then the product searches for the next station.

Canceling a Scan

- 1 During the scan, touch **SCAN** again.

The scan is canceled.

Search for Broadcast Stations from the Station List

You can select a station from the list of receivable broadcast stations.

1 On the radio broadcast information screen, touch

Station List.

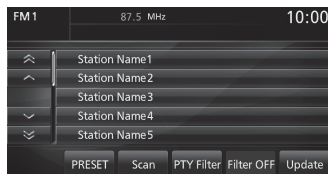
The station list is displayed.

NOTE

- For FM, a station list that is maintained by the current tuner is displayed.
- For AM, the last searched station list is displayed.

If the station list has not been acquired, the list will not be displayed, so update the list.(P97)

2 Select the broadcast stations you want from the station list and touch it.



Reception of the selected broadcast station starts.

3 Touch **Preset**.

The display returns to the original radio broadcast information screen.

Narrowing Down the Station List

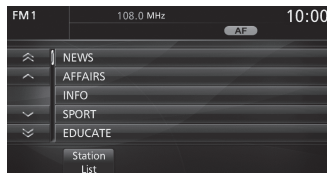
You can narrow down the station list by genre.

1 On the station list, touch

PTY Filter.

The genre list is displayed.

2 Touch the "genre" you want.



A station list for just the selected genre is displayed.

ADVICE

- The filtering is canceled when [Filter OFF] on the station list is touched.

Updating the Station List

You can manually update the station list.

1 On the station list, touch

Update.

Updating starts.

The updated station list is displayed.

Emergency Broadcasts

If an emergency broadcast starts, it will begin to be received automatically.

If on the map screen, the FM radio source plate is displayed. If on the audio screen, the screen automatically switches over to the FM radio broadcast information screen.

Exiting the emergency broadcast returns the display to the original screen.

ADVICE

- When emergency broadcast is received, "ALARM!" is displayed on the source plate.
- This device cannot be operated while emergency broadcast is being received.

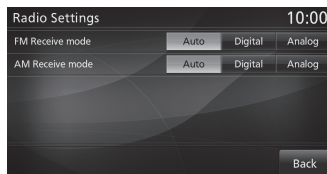
Set Reception Mode

You can set Reception Mode to digital or analog.

1 On the radio broadcast information screen, touch

Radio Setting.

2 Touch your favorite "Reception Mode".



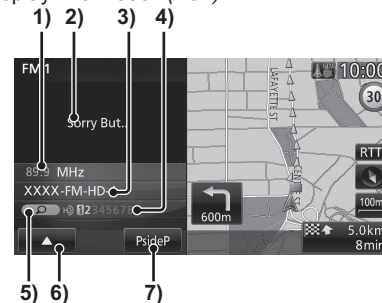
3 Touch **Back**.



The Reception Mode settings are complete.

P side P Display Screen

This section explains the screens displayed when selecting the [AV] (radio) in the P side P display information (P37).



1) Received frequency, preset channel

Displays the frequency being received and the preset channel number.

2) Radio Text

Displays the acquired radio text.

3) Station name

Displays the station name being received.

4) HD Radio™ indicator

Digital broadcasts are displayed as they are received.

5) SCAN mode display

Displayed during SCAN.

6) ▲

Touching this displays the submenu. (P33)

7) PsideP

Change the information displayed on the P side P sub-screen.

Equipment by type

Listen to Satellite Radio

This section explains how to listen to SIRIUS radio.

NOTE

- A subscription is required to listen to SIRIUS radio. For details, please consult your Mitsubishi Motors Dealer.

1 Press the **MODE** key.

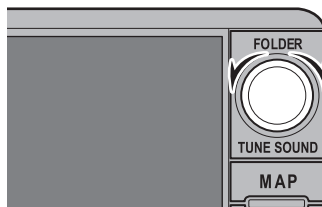
This displays the mode.

2 Touch **SIRIUS**.



This displays SIRIUS broadcast information screen.

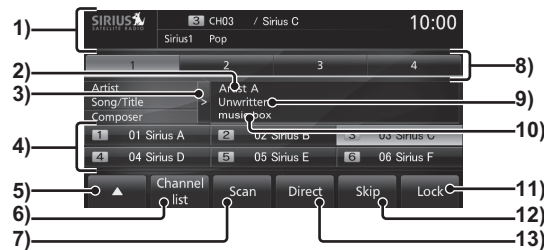
3 Turn the **FOLDER/TUNE** key to select a station.



The selected station is played.

Display Contents

SIRIUS Broadcast Information Screen



1) Source plate

Displays the name of the source, preset channel number, received channel/channel name, band, and received category.

2) Artist name

Displays the acquired artist name.

3) Switch page

Switches between Page 1 and Page 2 to view the artist name, song/program title, and composer name.

4) Preset switch

Allows you to register your favorite channels.

Touch and hold the switch for the desired preset channel number until you hear the “beep”. This registers the channel currently being received.

→ “Register Your Favorite Channel” (P102)

5) ▲

Touching it displays the sub-menu. It allows you to check [Sirius ID] (P106).

6) Channel List

Displays a list of the channels that can be received.
→ “Searching from a Channel List” (P101)

7) Scan

Allows you to search for channels that can be received.→ “Begin Scanning All Channels” (P101)

8) 1 , 2 , 3 , 4

Allows you to register your favorite 6 channels for each band.

9) Song/program title

Displays the acquired song name and program title.

10) Composer name

Displays the acquired composer name.

11) Lock

Allows you to set Lock on a channel being received.→ “Setting Listening Restrictions” (P102)

12) Skip

Allows you to set Skip on a channel being received.→ “Set the channel skip.” (P105)

13) Direct

Allows you to enter the channel number and receive the channel directly.→ “Selecting Channels Directly” (P101)

Search for Your Favorite Channel.

Searching from a Channel List

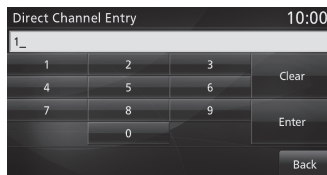
- 1 On the SIRIUS broadcast information screen, touch **Channel List**.
- 2 Touch the “channel” you want.



The selected channel is received.

Selecting Channels Directly

- 1 On the SIRIUS broadcast information screen, touch **Direct**.
- 2 Enter the “channel number”, then touch **Enter**.



The channel of the input number is received.

Begin Scanning All Channels

All channels are received in order and take 10 seconds each.

- 1 On the SIRIUS broadcast information screen, touch **SCAN**.



Receives one channel in 10 seconds, then moves on to the next channel.

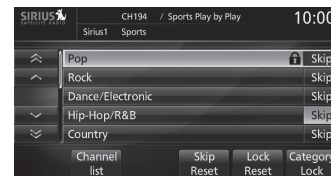
Begin Scanning Channels by Category

Channels in the category are received in order and take 10 seconds each.

- 1 On the SIRIUS broadcast information screen, touch **Channel List**.

The channel list screen is displayed.

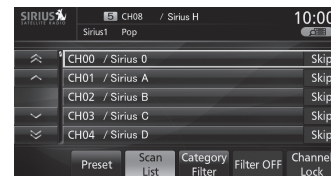
- 2 Touch **Category Filter**.



- 3 Touch the “category” you want.

Only channels in a category will be displayed.

- 4 Touch **Scan List**.



Receives a channel in the channel list in 10 seconds, then moves on to the next channel.

ADVICE

- Touching “Filter Off” cancels the search filtered by category.

Canceling a Scan

- 1 During the scan, touch **Scan** or **Scan List** again.

The scan is canceled.

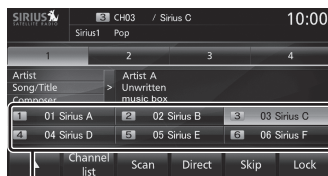
ADVICE

- Channel operations will also cancel scan.

Register Your Favorite Channel

You can save up to 6 of your favorite channels for each band (1, 2, 3, 4).

- 1 Receive the “channel” you want.
→ “Search for Your Favorite Channel.” (P101)
- 2 Touch and hold the “preset switch” to register to until you hear the “beep”.



This registers the channel to the preset channel number whose switch you touched.

Setting Listening Restrictions

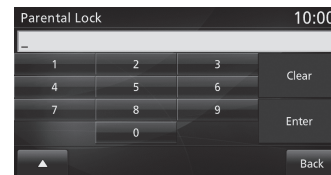
You can set listening restrictions on channels and categories.

If a channel that has listening restrictions is received, the sound will be muted, and no text information will be displayed. (The factory set passcode is “0000”)

Setting on Received Channel

Sets listening restrictions on the current channel being received.

- 1 On the SIRIUS broadcast information screen, touch **Lock**.
- 2 Enter the “passcode”, then touch **Enter**.



The listening restrictions settings are complete, and the sound is muted.

ADVICE

- “Channel locked” is displayed in the channel name on the source plate.
- “CH Locked” is displayed in the preset switch and the channel list.

Setting from Channel List

Sets listening restrictions from the channel list.

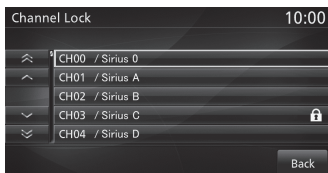
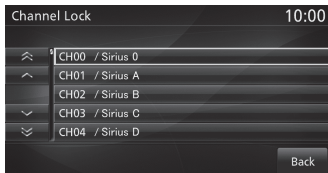
1 On the SIRIUS broadcast information screen, touch **Channel List** .

The channel list screen is displayed.

2 Touch **CH Lock** .

3 Enter the “passcode”, then touch **Enter** .

4 Touch the “channel” to set.



The listening restrictions are set, and a Lock Icon is displayed on the channel.

ADVICE

- “Channel locked” is displayed in the channel name on the source plate.
- “CH Locked” is displayed in the preset switch and the channel list.
- When the set channel is received, the sound is muted.

Setting from Category List

Sets listening restrictions on all channels in the category.

1 On the SIRIUS broadcast information screen, touch **Channel List** .

The channel list screen is displayed.

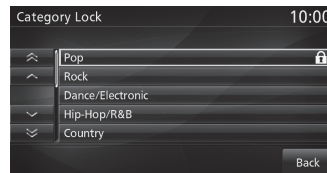
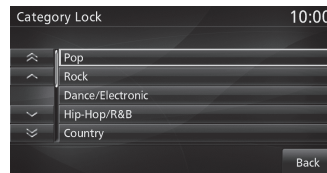
2 Touch **Category Filter** .

Displays the category list screen.

3 Touch **Cat-Lock** .

4 Enter the “passcode”, then touch **Enter** .

5 Touch the “category” to set.



The listening restrictions are set, and a Lock Icon is displayed on the category.

Continued on the next page

ADVICE

- “Channel locked” is displayed in the channel name on the source plate.
- “CH Locked” is displayed in the preset switch and the channel list.
- When the set channel is received, the sound is muted.

Unlocking All Locked Channels

Cancels the listening restrictions on all channels.

- 1 On the SIRIUS broadcast information screen, touch **Channel List** .

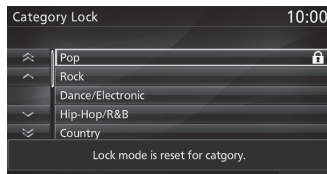
The channel list screen is displayed.

- 2 Touch **Category Filter** .

Displays the category list screen.

- 3 Touch **LockReset** .

- 4 Enter the “passcode”, then touch **Enter** .



- 5 Touch **Yes** .

Cancels the listening restrictions on all channels.

Changing the Lock Passcode

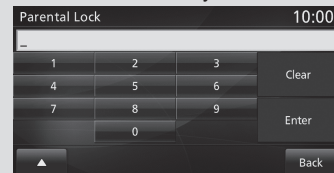
Changes the listening restriction passcode.

- 1 On the passcode entry screen, touch **Change Password** .
- 2 Enter the “current passcode”, then touch **Enter** .
- 3 Enter the “new passcode”, then touch **Enter** .
- 4 Enter the “new passcode” again, then touch **Enter** .

The passcode change is complete.

NOTE

- If the passcode has been forgotten, it can be initialized.
- To initialize the passcode, open the passcode entry screen (with no characters entered yet) and touch [Clear] 5 times consecutively.



Set the channel skip.

You can set Skip on channels and categories. Channels in which Skip is set will be skipped and not received when cycling up and down through channels and during scans.

Setting on Received Channel

Sets Skip on the current channel being received.

1 On the SIRIUS broadcast information screen, touch

Skip .

The Skip setting is complete.

ADVICE

- “Skip” is displayed on preset channels.
- No text information is displayed.
- Skip cannot be set for channels that have listening restrictions set on them.

Setting from Channel List

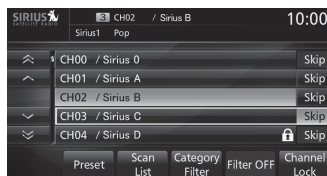
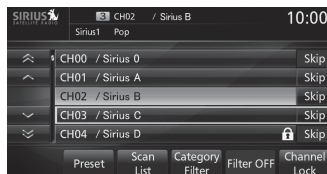
Sets Skip from the channel list.

1 On the SIRIUS broadcast information screen, touch

Channel List .

The channel list screen is displayed.

2 Touch the channel **Skip** to set.



Skip is set, and the Skip icon is selected.

ADVICE

- Touch [Skip] again to cancel the Skip setting.
- Skip cannot be set for channels that have listening restrictions set on them.

Setting from Category List

Sets Skip on all channels in the category.

1 On the SIRIUS broadcast information screen, touch

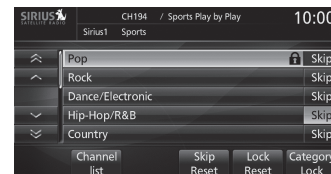
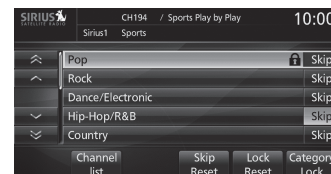
Channel List .

The channel list screen is displayed.

2 Touch **Category Filter** .

Displays the category list screen.

3 Touch the category **Skip** to set.



Skip is set, and the Skip icon is selected.

ADVICE

- Touch [Skip] again to cancel the Skip setting.
- Skip cannot be set for channels that have listening restrictions set on them.

Canceling Skip on All Channels

Cancels the Skip setting on all channels.

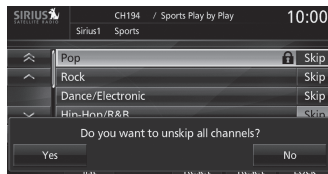
- 1 On the SIRIUS broadcast information screen, touch **Channel List** .

The channel list screen is displayed.

- 2 Touch **Category Filter** .
- Displays the category list screen.

- 3 Touch **Skip Reset** .

- 4 Touch **Yes** .



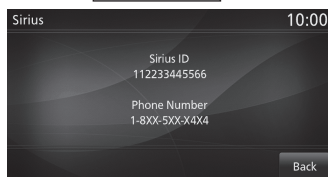
Cancels the Skip setting on all channels.

The SIRIUS ID is displayed.

- 1 On the SIRIUS broadcast information screen, touch **▲** .

This displays the sub-menu.

- 2 Touch **SIRIUS ID** .



The SIRIUS ID is displayed.

ADVICE

- If you connect your mobile phone to this product via Bluetooth, **Dial** will be displayed on the SIRIUS ID display screen. You can make a call to Sirius by touching **Dial** .

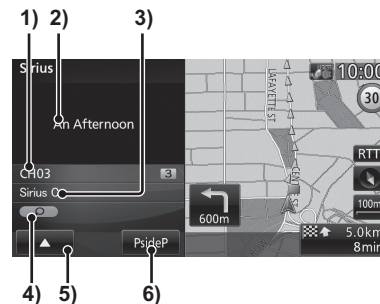
Updating Broadcast Information

NOTE

- If the broadcast information is changed, it will switch to the update screen automatically and begin an update. Please wait until the update reaches 100%.
- Even if it is not in SIRIUS radio mode, the update will be performed automatically.

P side P Display Screen

This section explains the screens displayed when selecting the [AV] (SIRIUS) in the P side P display information (P37).



- 1) **Received channel, preset channel**

Displays the channel being received and the preset channel number.

- 2) **Song/Program Title**

Displays the Song/Program Title.

- 3) **Channel name**

Displays the channel name being received.

- 4) **SCAN mode display**

Displayed during SCAN.

- 5) **▲**

Touching this displays the submenu. (P33)

- 6) **PsideP**

Change the information displayed on the P side P sub-screen.

DISC

Listen to CDs

This explains how to listen to audio CDs (CD-DA/CD-TEXT).

Insert a disc in this product to automatically start playback.

→ "Inserting the Disc" (P82)

NOTE

- Operate with an audio CD loaded into this product.

1 Press the **MODE** key.

This displays the mode.

2 Touch **CD** .

The audio CD playback information screen is displayed.

3 Press the **^ SEEK TRACK** key or **SEEK TRACK v** key to select the track.



The selected track is played back.

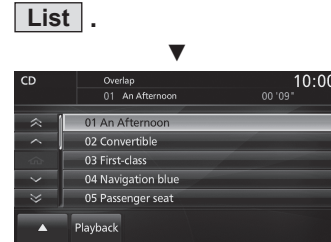
ADVICE

- You can fast forward or rewind the track being played by holding down the **^ SEEK TRACK** key or **SEEK TRACK v** key.
- By pressing the [AUDIO] key, you can display the navigation screen while using the audio function. Pressing the [AUDIO] key again returns the display to the audio screen.

Display a List

You can display a track list.

1 On the audio CD playback information screen, touch **List** .



A track list is displayed.

2 Touch **Playback** .

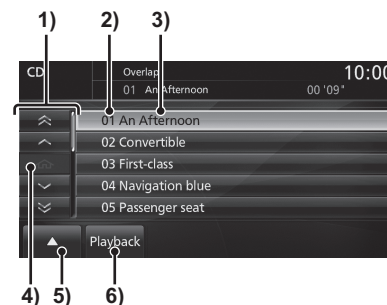


The display returns to the audio CD playback information screen.

ADVICE

- You can scroll the list by touching **v** or **^** .

Playback Information Screen



1) Source plate

Displays the name of the currently selected source and the playback mode.

2) Album name

If there is title information, displays the album name. If there is no title information, displays "NO TITLE".

3) Track number/name

If there is title information, displays the track name.

If there is title information, displays "Track + track number".

4) Artist name

If there is title information, displays the artist name. If there is no title information, displays "NO NAME".

5)

Displays a sub-menu to change the playback mode.

→ "Switch Playback Mode"(P109)

6) Playback mode display

Displays the current playback mode.

→ "Switch Playback Mode"(P109)

 : Repeat play

 : Scan play

 : Random play

7) Playback time

8)

Displays a track list.

→ "Display a List"(P107)

1) Cursor switch

Allows you to select a track.

2) Track number

3) Track name

Displays the track name.

If the track name information is blank, displays "Track + track number".

4) Home icon

Touching this moves the cursor to the song being played.

5)

Displays a sub-menu to change the playback mode.

→ "Switch Playback Mode"(P109)

6)

Returns to the audio CD playback information screen.

Switch Playback Mode

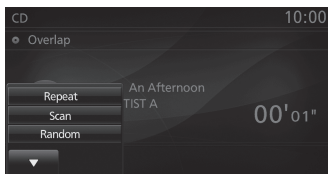
Repeat playback, random playback, and scan playback are possible.

1 On the audio CD playback information screen, touch

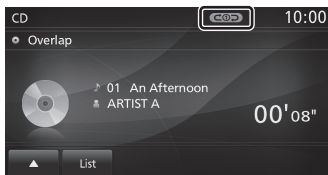


This displays the sub-menu.

2 Touch the “mode” to change to.



3 Touch



Playback in the selected mode starts.

ADVICE

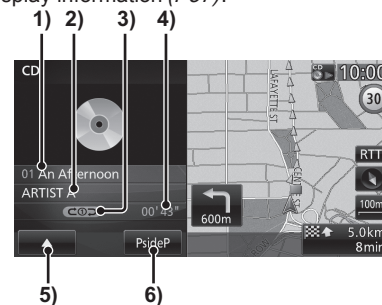
- To cancel the selected playback mode, touch the playback mode selected in Step 2 again.

Play Mode

Repeat	Repeat playback of the track currently being played.
Scan	Play the first 10 seconds of each of the tracks on the whole disc in order.
Random	Play the tracks on the disc in a random order.

P side P Display Screen

This section explains the screens displayed when selecting the [AV] (CD) in the P side P display information (P37).



1) Track number/name

If there is title information, displays the track name. If there is title information, displays “Track + track number”.

2) Artist name

If there is title information, displays the artist name. If there is no title information, displays “NO NAME”.

3) Playback mode display

Displays the current playback mode.

: Repeat play

: Scan play

: Random play

4) Playback time

5)

Touching this displays the sub-menu. (P33)

6)

Change the information displayed on the P side P sub-screen.

Listen to Audio Files on a Disc

This explains how to listen to audio files on a disc.

Insert a disc in this product to automatically start playback. → "Inserting the Disc" (P82)

NOTE

- Operate with an audio file disc loaded into this product.
- WAV files recorded on CD-ROMs cannot be played.

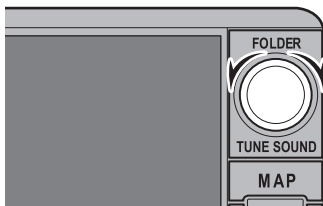
1 Press the **MODE** key.

This displays the mode.

2 Touch **CD**.

The audio file playback information screen is displayed.

3 Turn the **FOLDER/TUNE** key to select the folder.



4 Press the **SEEK TRACK** key or **SEEK TRACK** key to select the track.



The selected track is played back.

ADVICE

- You can fast forward or rewind the track being played by holding down the **SEEK TRACK** key or **SEEK TRACK** key.
- By pressing the [AUDIO] key, you can display the navigation screen while using the audio function. Pressing the [AUDIO] key again returns the display to the audio screen.

Display a List

When you display a list, you can check the folder levels while searching for tracks.

1 On the audio file playback information screen, touch **List**.



This displays the display list.

2 Touch **Playback**.

The display returns to the audio file playback information screen.

ADVICE

- Touching [ROOT] expands the folders.
- You can scroll the list by touching **SEEK TRACK** or **SEEK TRACK**.

Playback Information Screen



1) Source plate

Displays the name of the currently selected source and the playback mode.

2) Album name

If there is an album name in the title information, displays it.

3) Track number/name

If there is a song name in the title information, displays it. If there is no title information, displays the file name.

4) Artist name

If there is an artist name in the title information, displays it.

5) ▲

Displays a sub-menu to change the playback mode.
→ "Switch Playback Mode"(P112)

6) Playback mode display

Displays the current playback mode.
→ "Switch Playback Mode"(P112)

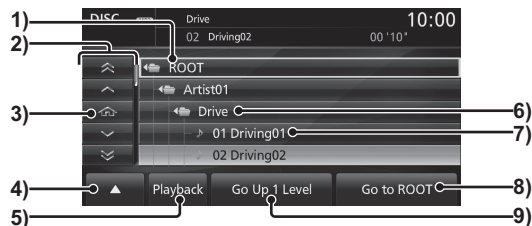
- : Repeat play
- : Folder repeat play
- : Scan play
- : Folder scan play
- : Random play
- : All random play

7) Playback time

8) List

Displays a folder list.
→ "Lists"(P112)

Lists



1) **ROOT**

Shows the topmost level.

2) **Cursor switch**

Allows you to select a folder and file.

3) **Home icon**

Touching this moves the cursor to the song being played.

4)

Displays a sub-menu to change the playback mode.

→ “Switch Playback Mode”(P112)

5)

Returns to the audio file playback information screen.

6) **Folder name**

Touching this expands the folder.

7) **File name**

Touching this starts playback of the track.

8)

The list display moves to the topmost level and collapses all folders in the view.

9)

Moves up one level.

Switch Playback Mode

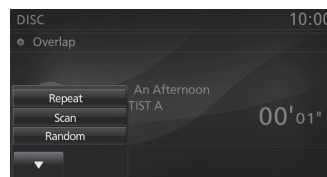
Repeat playback, random playback, and scan playback are possible.

1 On the audio file playback information screen or on the list display, touch

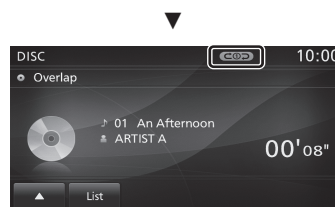


This displays the sub-menu.

2 Touch the “mode” to change to.



3 Touch .



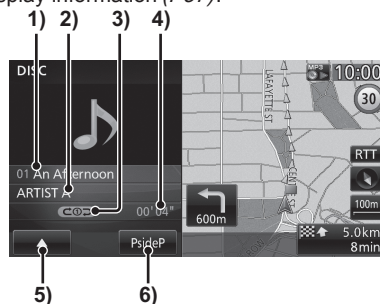
Playback in the selected mode starts.

Play Mode

Repeat	<p>Each time this is touched, the mode switches in the order "Repeat", "Folder repeat", and "Cancel".</p> <p>Repeat: Repeat playback of the track currently being played.</p> <p>Folder repeat: Repeat playback of the tracks within the folder currently being played.</p>
Scan	<p>Each time this is touched, the mode switches in the order "Scan", "Folder scan", and "Cancel".</p> <p>Scan: Play the first 10 seconds of each of the tracks in the folder currently being played in order.</p> <p>Folder scan: Play the first 10 seconds of the first track in each folder on the medium in order.</p>
Random	<p>Each time this is touched, the mode switches in the order "Random", "All random", and "Cancel".</p> <p>Random: Play tracks in the folder currently being played in a random order.</p> <p>All random: Play all the tracks on the medium in a random order.</p>

P side P Display Screen

This section explains the screens displayed when selecting the [AV] (DISC) in the P side P display information (P37).



1) Track number/name







If there is a song name in the title information, displays it. If there is no title information, displays the file name.

2) Artist name

If there is an artist name in the title information, displays it.

3) Playback mode display

Displays the current playback mode.

-  : Repeat play
-  : Folder repeat play
-  : Scan play
-  : Folder scan play
-  : Random play
-  : All random play

4) Playback time

5)

Touching this displays the submenu. (P33)

6)

Change the information displayed on the P side P sub-screen.

iPod/USB/SD

Equipment by type

Play iPod

By connecting commercially-available iPod/iPhone devices to this product, you can play back tracks on these through the product.

CAUTION

- Never hold an iPod/iPhone in your hand and operate it while driving, as this is dangerous.
- Do not leave the iPod/iPhone unattended in the vehicle.
- No indemnification for data loss resulting when the iPod/iPhone is connected to the product will be possible.
- Depending on how the devices are handled, audio files being damaged or lost, therefore it is recommended that data be backed up.

NOTE

- This function can only be used in vehicles that have a USB port.
- Please refer to your vehicle's user manual regarding how to connect the iPod/iPhone.

NOTE

- For information regarding details such as types of iPod/iPhone that can be connected to and types of files that can be played back, if your car is equipped with a Bluetooth® 2.0 interface, refer to the vehicle's user manual; if your car is not equipped with a Bluetooth® 2.0 interface, refer to this manual (→ P8). Also, sometimes playback as explained in this document may not be possible.
- Usage of iPod/iPhone hardware with the latest software version is recommended.
- Updating your software sometimes changes the functions that can be used connected with this product.
- Operate the iPod/iPhone while connected to this product.
- Depending on the generation, model, or software version of the iPod/iPhone, playback on this product may not be possible. (→P8) Additionally, playback as explained in this document may not be possible.
- If the iPod/iPhone is connected via Bluetooth as a Bluetooth-capable audio device, then do not connect the iPod/iPhone using an iPod cable. Connection using both methods will result in erroneous operation.
- If an iPod/iPhone does not operate correctly, then remove the iPod/iPhone from the product, reset, then reconnect.
- This product does not support video playback.

NOTE

- When connecting an iPod/iPhone, use the connection cable included in the iPod/iPhone.
- Set up the device in order that no unsafe actions, such as plugging in the connection cable are taken while driving.
- When inserting and removing the iPod/iPhone, for safety's sake first stop the vehicle.
- Depending on the status of the iPod/iPhone, it may take some time until the device is recognized, or playback starts.
- Buttons on the product will not operate while iPod/iPhone is connected.
- iPod/iPhone specifications and settings may mean that connection is not possible, or result in differences in operation or display.
- Depending on audio data in the iPod/iPhone, track information may not be displayed correctly.
- Depending on the status of the vehicle and device, the iPod/iPhone may not play back after starting the engine.
- Data containing copyright information may not play back.
- It is recommended that the iPod/iPhone equalizer settings be set to flat.

1 Press the **MODE** key.

This displays the mode.

2 Touch **iPod** .

The iPod playback information screen is displayed.

3 Press the **^ SEEK TRACK** key or **SEEK TRACK v** key to select the track.



The selected track is played back.

ADVICE

- You can fast forward or rewind the track being played by holding down the **^ SEEK TRACK** key or **SEEK TRACK v** key.
- By pressing the [AUDIO] key, you can display the navigation screen while using the audio function. Pressing the [AUDIO] key again returns the display to the audio screen.

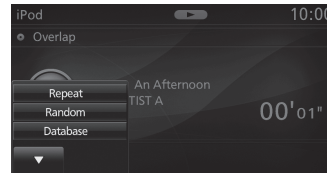
Switch Playback Mode

Repeat playback, random playback, etc. are possible.

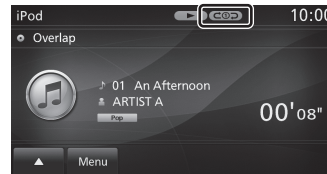
1 On the iPod playback information screen, touch .

This displays the sub-menu.

2 Touch the “mode” to change to.



3 Touch .



Playback in the selected mode starts.

Play Mode

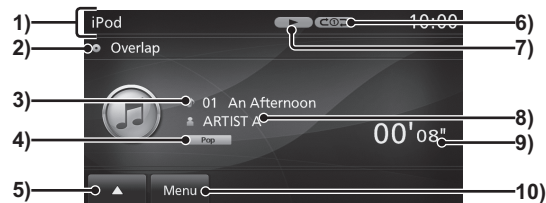
Repeat	Each time this is touched, the mode switches between “Repeat” and “Cancel”. Repeat: Repeat playback of the track currently being played. When repeating is cancelled, the tracks on the current level are repeated.
Random	Each time this is touched, the mode switches in the order “Random”, “Album random”, and “Cancel”. Random: Play tracks on the current level in a random order. Album random: Play all the albums on the current level in a random order. However, the order within albums is not changed.
Database	For vehicles equipped with a Bluetooth® 2.0 interface, the Gracenote version can be checked.

ADVICE

- During repeat play, even if random or album random play is started, repeat play continues.

Display Contents

iPod Playback Information Screen



1) Source plate

Displays the name of the currently selected source, its status icon, and the playback mode.

2) Album name

If there is an album name in the title information, displays it.

3) Track number/name

If there is a song name in the title information, displays it.

4) Genre name


If there is genre information in the title information, displays the genre name for the track being played back.


5)


Displays a sub-menu to change the playback mode.
→“Switch Playback Mode”(P115)


6) Playback mode display

Displays the current playback mode.
→“Switch Playback Mode”(P115)

 : Single repeat play

 : Shuffle play

 : Album shuffle play

 : Single repeat/
Shuffle play

 : Single repeat/
Album shuffle play

7) Status icon

 : Play

 : Pause

 : Stop

 : Fast forward

 : Rewind

8) Artist name

If there is an artist name in the title information, displays it.

9) Playback time

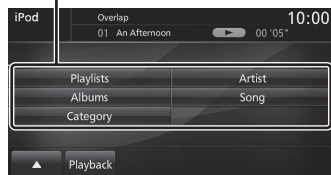
10)

Displays the iPod menu.
→“iPod Menu”(P117)

iPod Menu

Touching [Menu] on the iPod playback information screen will display the iPod menu. Lists of various categories can be displayed from the iPod menu.

Category menu



Category menu	Displays the list of categories. →“Search by List”(P117)
Playback	Returns to the playback information screen. →“iPod Playback Information Screen”(P116)
	Displays a submenu and changes the playback mode. →“Switch Playback Mode”(P115)

Search by List

Touching a category on the iPod menu (P117) displays a list of the categories. By touching the list, you can check album names and track names while searching for the tracks you want.

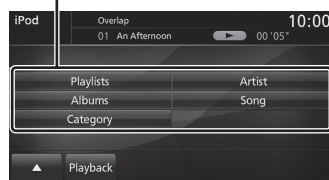
1 On the iPod playback information screen, touch Menu .

Menu .

The iPod menu is displayed.

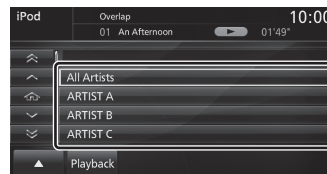
2 Touch “category”.

Category menu



A list of the selected category is displayed.

3 Touch the “item” to play from the list.



This displays a list of the selected item. Repeat Step 3 to search for songs (tracks). When you touch the song (track) to play from the list, playback starts.

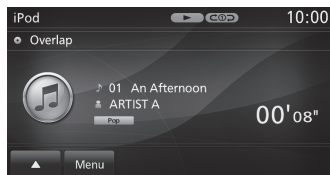
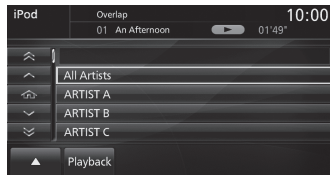
ADVICE

- The level of items operated on in Step 3 depends on which category you selected in Step 2.
- The title information recorded into the iPod is displayed on the list.

Displaying the playback information screen.

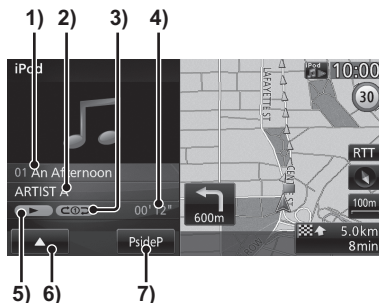
When a list is displayed, the iPod playback information screen for the track currently being played can be displayed.

1 On the list display screen, touch **Playback**.



P side P Display Screen

This section explains the screens displayed when selecting the [AV] (iPod) in the P side P display information (P37).



1) Track number/name

If there is a song name in the title information, displays it.

2) Artist name

If there is an artist name in the title information, displays it.

3) Playback mode display

Displays the current playback mode.

: Single repeat play

: Shuffle play

: Album shuffle play

: Single repeat/
Shuffle play

: Single repeat/
Album shuffle play

4) Playback time

5) Status icon

: Play

: Pause

: Stop

: Fast forward

: Rewind

6)

Touching this displays the submenu. (P33)

7) **PsidP**

Change the information displayed on the P side P sub-screen.

Listen to Audio Files on a USB Device/SD Card

By connecting commercially-available USB devices such as USB memory to this product, you can play back audio files on these through the product.

By loading an audio SD card into the user slot, you can play back audio files recorded onto the SD card through the product.

CAUTION

- Never hold the USB device or SD card in your hand to operate while driving, as this is dangerous.
- Do not leave the USB device/SD card unattended in the car.
- Do not use hard discs, card readers, or memory readers, as damage may occur to these or to the data contained therein. If these are erroneously connected, then turn the engine ignition "OFF", then remove.
- No indemnification for USB device or audio SD card data loss will be possible.
- Depending on how the devices are handled, audio files being damaged or lost, therefore it is recommended that data be backed up.

NOTE

- USB devices can be used in vehicles that have a USB port.
- For information regarding details such as types of USB devices, usage of USB input ports, and types of files that can be played back, if your car is equipped with a Bluetooth® 2.0 interface, refer to the vehicle's user manual; if your car is not equipped with a Bluetooth® 2.0 interface, refer to this manual.
- Please refer to your vehicle's user manual regarding how to connect USB devices.
- Depending on the type of USB device or SD card, usage may not be possible or the functions that can be used may be restricted.
- The recommended file system for USB memory and SD cards is FAT32.
- The maximum supported capacity for USB memory or an SD card is 32GB (SDHC standard supported).
- Operate the USB device containing recorded audio files while connected to this product or the SD card containing audio files while inserted into this product.
- This manual refers to SD cards inserted into the user slot as "audio SD cards".
- When connecting a USB device, use a commercially-available connection cable. Failure to use a connection cable when connecting may place undue load on, or damage the USB connector.

NOTE

- Set up the device in order that no unsafe actions, such as plugging in the connection cable are taken while driving.
- When inserting or removing a USB device or an SD card, for safety's sake first stop the car.
- Do not insert other than audio devices into the USB port. Damage to the device or equipment may result.
- Depending on the status of the USB device or SD card, it may take some time until the device is recognized, or playback starts.
- Depending on USB devices, buttons on the product will not operate while the USB device is connected.
- Data containing copyright information may not play back.
- USB device/SD card specifications and settings may mean that connection is not possible, or result in differences in operation or display.
- Depending on audio data in the USB device or on the SD card, track information may not be displayed correctly.
- Depending on the status of the vehicle and device, the iPod/iPhone may not play back after starting the engine.

Continued on the next page

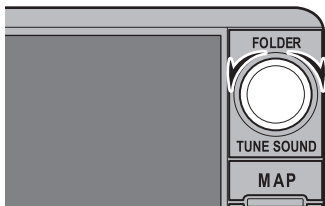
1 Press the **MODE** key.

This displays the mode.

2 Touch **USB** or **SD**.

The playback information screen is displayed.

3 Turn the **FOLDER/TUNE** key to select the folder.



4 Press the **SEEK TRACK** key or **SEEK TRACK** key to select the track.



The selected track is played back.

ADVICE

- You can fast forward or rewind the track being played by holding down the **SEEK TRACK** key or **SEEK TRACK** key.
- By pressing the [AUDIO] key, you can display the navigation screen while using the audio function. Pressing the [AUDIO] key again returns the display to the audio screen.

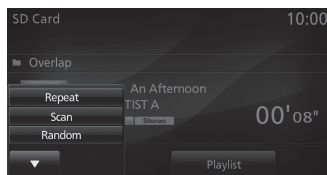
Switch Playback Mode

Repeat playback, random playback, and scan playback are possible.

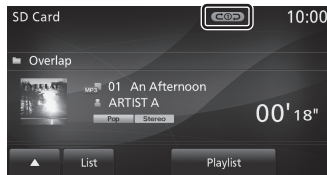
1 On the USB device or SD card playback information screen or on the list display, touch .

This displays the sub-menu.

2 Touch the "mode" to change to.



3 Touch .



Playback in the selected mode starts.

Play Mode

Repeat	Each time this is touched, the mode switches in the order "Repeat", "Folder repeat", and "Cancel". Repeat: Repeat playback of the track currently being played. Folder repeat: Repeat playback of the tracks within the folder currently being played.
Scan	Each time this is touched, the mode switches in the order "Scan", "Folder scan", and "Cancel". Scan: Play the first 10 seconds of each of the tracks in the folder currently being played in order. Folder scan: Plays the first 10 seconds of the first track in each folder on the medium in order. For vehicles equipped with a Bluetooth® 2.0 interface, plays the first 10 seconds of each song in each folder on the USB device in order.
Random	Each time this is touched, the mode switches in the order "Random", "All random", and "Cancel". Random: Play tracks in the folder currently being played in a random order. All random: Play all the tracks on the medium in a random order.
Database*	For vehicles equipped with a Bluetooth® 2.0 interface, the Gracenote version can be checked.

* When USB device is connected, [Database] is displayed.

Display Contents

Playback Information Screen



1) Source plate

Displays the name of the currently selected source and the playback mode.

2) Album name

If there is an album name in the title information, displays it.
For the WAV format, the folder name is displayed.

3) File format

Displays the format of the audio file being played.

4) Jacket^{*1, *2, *3}

If there is a jacket image in the title information, displays it.

5) Genre name^{*2}

If there is genre information in the title information, displays the genre name for the track being played back.

6) Channel mode

If there is channel mode information in the title information, displays the following icons.

- : Stereo
- : Joint stereo
- : Dual channel
- : Monaural

7)

Displays a sub-menu to change the playback mode.
→ "Switch Playback Mode"(P120)

8)

Displays a folder list.
→ "Folder List"(P122)
Also, when [Playlist] is ON, [Music Menu] is displayed. Touching this displays the music menu.
→ "Music Menu"(P123)

9) Playback mode display

Displays the current playback mode.
→ "Switch Playback Mode"(P120)

- : Repeat play
- : Folder repeat play
- : Scan play
- : Folder scan play
- : Random play
- : All random play

10) Track number/name

If there is a song name in the title information, displays it. If there is no title information, displays the file name.
For the WAV format, the file name is displayed.

11) Artist name^{*2}

If there is an artist name in the title information, displays it.

12) Playback time

13)

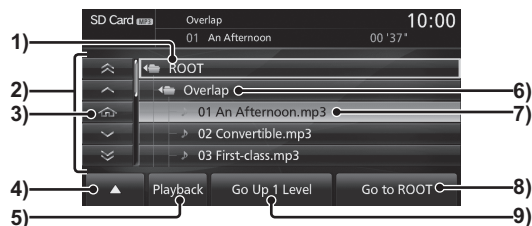
When you touch this to switch it ON, [List] changes to [Music Menu] and the music menu can now be displayed.

*1 Audio files on SD card only

*2 WAV format is not supported.

*3 Displayable jacket images are in the JPEG format (maximum resolution: 320 vertical x 240 horizontal).

Folder List



1) **ROOT**

Shows the topmost level.

2) **Cursor switch**

Allows you to select a folder and file.

3) **Home icon**

Touching this moves the cursor to the song being played.

4) **▲**

Displays a sub-menu to change the playback mode.

→“Switch Playback Mode”(P120)

5) **Playback**

Returns to the audio file playback information screen.

6) **Folder name**

Touching this expands the folder.

7) **File name**

Touching this starts playback of the track.

8) **Go to ROOT**

The list display moves to the topmost level and collapses all folders in the view.

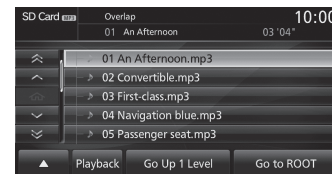
9) **Go Up 1 Level**

Moves up one level.

Display a List

When you display a list, you can check the folder levels while searching for tracks.

1 On the USB device or SD card playback information screen, touch **List** .



This displays the display list.

2 Touch **Playback** .

The display returns to the USB device or SD card playback information screen.

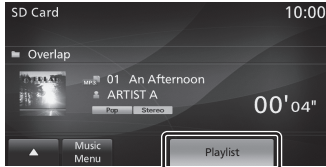
ADVICE

- Touching [ROOT] expands the folders.
- You can scroll the list by touching **▼** or **▲** .

Display the Music Menu

When the music menu is displayed, you can display a music list for each artist or album.

- 1 On the USB device or SD card playback information screen, touch **Playlist** .

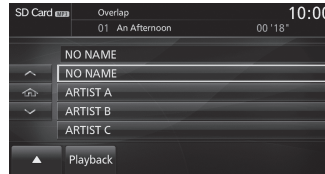
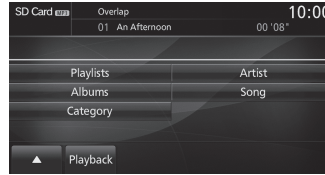


[Playlist] comes ON and [List] changes to [Music Menu].

- 2 Touch **Music Menu** .

The music menu is displayed.

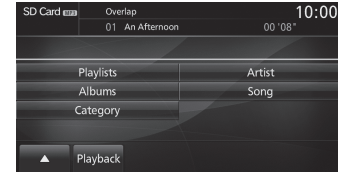
- 3 Touch any "menu".




The list corresponding to the menu item is displayed.

Music Menu

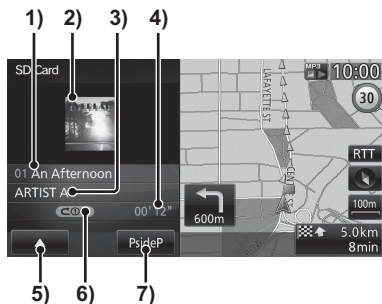
The following explains the menu displayed when [Playlist] is ON on the playback information screen and you touch [Music Menu].



Playlists	Displays the Playlist list. A wpl file (playlist definition file) is required. Store the wpl file in the root level of the medium.
Artist	Displays the Artist list.
Albums	Displays the Albums list.
Song	Displays the Song list.
Category	Displays the Genre list.
Playback	Returns to the playback information screen. → "Playback Information Screen"(P121)
	Displays a submenu and changes the playback mode. → "Switch Playback Mode"(P120)

P side P Display Screen

This section explains the screens displayed when selecting the [AV] (USB/SD) in the P side P display information (P37).



1) Track number/name

If there is a song name in the title information, displays it. If there is no title information, displays the file name. For the WAV format, the file name is displayed.

2) Jacket^{*1, *2, *3}

If there is a jacket image in the title information, displays it.

3) Artist name^{*2}

If there is an artist name in the title information, displays it.







4) Playback time

5) ▲

Touching this displays the submenu. (P33)

6) Playback mode display

Displays the current playback mode.

-  : Repeat play
-  : Folder repeat play
-  : Scan play
-  : Folder scan play
-  : Random play
-  : All random play

7) PsideP

Change the information displayed on the P side P sub-screen.

*1 Audio files on SD card only

*2 WAV format is not supported.

*3 Displayable jacket images are in the JPEG format (maximum resolution: 320 vertical x 240 horizontal).

External Input Devices

Equipment by type

(Vehicles with a Bluetooth® 2.0 interface).

Use Bluetooth Audio

This product can play back tracks on commercially-available Bluetooth-capable audio devices.

⚠ CAUTION

- Never hold a Bluetooth-capable audio device in your hand to operate while driving, as this is dangerous.
- Do not leave the Bluetooth audio device unattended in the vehicle.
- No indemnification for Bluetooth audio data loss will be possible.
- Depending on how the devices are handled, audio files being damaged or lost, therefore it is recommended that data be backed up.

NOTE

- Depending on the type of Bluetooth-capable audio devices, usage may not be possible, or functions that can be used may be restricted.
- Updating your software sometimes changes the functions that can be used connected with this product.

NOTE

- Confirm together with the user manuals for the commercially-available Bluetooth-capable audio devices.
- Depending on the type of Bluetooth-capable audio devices, volume levels may differ. There is the danger of loud volumes, so prior to use, it is recommended that you turn the volume down.
→“Adjust Volume”(P81)
- Depending on the status of the Bluetooth audio device, it may take some time until the device is recognized, or playback starts.
- Bluetooth audio device specifications and settings may mean that connection is not possible, or result in differences in operation or display.
- Depending on audio data in the Bluetooth audio device, track information may not be displayed correctly.
- Depending on the status of the vehicle and device, the iPod/iPhone may not play back after starting the engine.
- Data containing copyright information may not play back.
- It is recommended that the Bluetooth audio device equalizer settings be set to flat.

Supported Profiles and Functions

This section explains the functions supported for each profile.

Function	A2DP
Audio output during playback	○

* Sampling rate: 16 kHz, 32 kHz, 44.1 kHz, 48 kHz

Function	AVRCP	
	v1.0	v1.3
Play/Stop/Pause operations	○	○
Fast forward/Rewind operations	○	○
Track selection operations	○	○
Group selection operations	×	×
Repeat/Random/Scan playback operations	×	○
Playback status display	×	○
Battery remaining capacity display	×	○
Group list display	×	×
Select track from group list	×	×
Title display	×	○

Connect a Bluetooth-capable Audio Device

This product and the Bluetooth-capable audio device use the Bluetooth function to connect.

For details on how to connect, refer to “Bluetooth Setting”(P213).

Operation methods below describe situations once connection has been completed.

NOTE

- If the iPod/iPhone is connected via Bluetooth as a Bluetooth-capable audio device, then do not connect the iPod/iPhone using an iPod cable. Connection using both methods will result in erroneous operation.

Listen to a Bluetooth-capable Audio Device

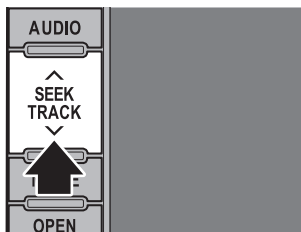
1 Press the **MODE** key.

This displays the mode.

2 Touch **Bluetooth Audio** .

The Bluetooth audio playback information screen is displayed.

3 Press the **^ SEEK TRACK** key or **SEEK TRACK v** key to select the track.

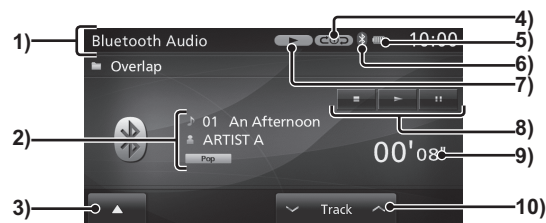


ADVICE

- You can fast forward or rewind the track being played by holding down the **^ SEEK TRACK** key or **SEEK TRACK v** key.
- By pressing the [AUDIO] key, you can display the navigation screen while using the audio function. Pressing the [AUDIO] key again returns the display to the audio screen.

Display Contents

Playback Information Screen



1) Source plate

Displays the name of the currently selected source and the playback mode.

2) Track name/artist name/genre name^{*1}

3) ▲^{*1}

Displays a sub-menu to change the playback mode.

→“Switch Playback Mode”(P128)

4) Playback mode display^{*1, *2}

- : Repeat play
- : Group repeat play
- : All repeat play
- : Scan play
- : Group scan play
- : Random play
- : Group random play

5) Battery remaining capacity display^{*1}

Displays the amount of battery power remaining for the connected Bluetooth-capable audio device.

6) Bluetooth connection icon

7) Status icon^{*1}

- : Play
- : Pause
- : Stop
- : Fast forward
- : Rewind

8) ■, ▶, ||

Allows you to stop, play, or pause.

9) Playback time^{*1}

10) ▼ TRACK ▲

This is used when selecting a song. Continue touching for fast forward or rewind.


*1 Not displayed when AVRCP is v1.0.

*2 Not displayed when information cannot be obtained.

Switch Playback Mode

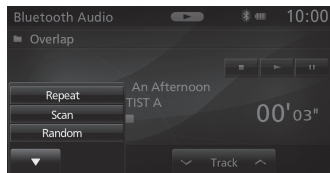
Repeat playback, random playback, and scan playback are possible.

* This function cannot be used when AVRCP is v1.0.

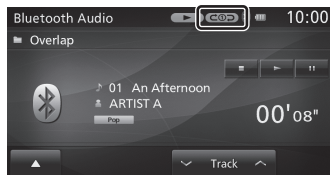
- 1 On the Bluetooth audio playback information screen or other screen, touch  .

This displays the sub-menu.

- 2 Touch the “mode” to change to.



- 3 Touch  .



Playback in the selected mode starts.

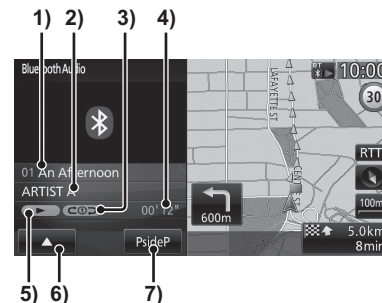
Play Mode








* Depending on the type of Bluetooth-capable audio devices, the details of playback modes may differ.

Repeat	<p>Each time this is touched, the mode switches in the order “Repeat”, “Group repeat”, “All repeat”, and “Cancel”.</p> <p>Repeat: Repeat playback of the track currently being played.</p> <p>Group repeat: Repeat playback of the tracks within the group currently being played.</p> <p>All repeat: Repeat playback of all the tracks in the Bluetooth-capable audio device.</p>
Scan	<p>Each time this is touched, the mode switches in the order “Scan”, “Group scan”, and “Cancel”.</p> <p>Scan: Play the first 10 seconds of each of the tracks in the group currently being played in order.</p> <p>Group scan: Play the first 10 seconds of the first track in all the groups on the Bluetooth-capable audio device.</p>
Random	<p>Each time this is touched, the mode switches in the order “Random”, “Group random”, and “Cancel”.</p> <p>Random: Play tracks in the group currently being played in a random order.</p> <p>Group random: Select all the groups on the Bluetooth-capable audio device in a random order and play tracks within in group in order.</p>

P side P Display Screen

This section explains the screens displayed when selecting the [AV] (Bluetooth Audio) in the P side P display information (P37).



- 1) **Track number/name**^{*1}
If there is title information, displays the track name.
- 2) **Artist name**
If there is title information, displays the artist name. If there is no title information, displays “NO NAME”.
- 3) **Playback mode display**^{*1, *2}
 -  : Repeat play
 -  : Group repeat play
 -  : All repeat play
 -  : Scan play
 -  : Group scan play
 -  : Random play
 -  : Group random play

4) Playback time^{*1}**5) Status icon^{*1}** : Play : Pause : Stop : Fast forward : Rewind**6) **

Touching this displays the submenu. (P33)

7) 

Change the information displayed on the P side P sub-screen.

*1 Not displayed when AVRCP is v1.0.

*2 Not displayed when information cannot be obtained.

Equipment by type

Use AUX

By connecting AUX devices to this product, you can input audio from these devices to the product and play it back.

⚠ CAUTION

- Video from AUX devices cannot be viewed.
- If this is used with the engine stopped, it may run down the battery and make it impossible to start the engine.

ADVICE

- Please refer to your vehicle's user manual regarding how to connect AUX devices.

Outputting Audio

1 Press the **MODE** key.

This displays the mode.

2 Touch **AUX** .



This outputs the audio from the AUX device.

INFO/SETTINGS

INFO

Calendar

This displays the calendar. You can check and set special days and anniversaries.

NOTE

- Icons are displayed for days set as special days or anniversaries.
- If one day is set as both a special day and an anniversary, the special day icon has priority.

Displaying

1 Press the **INFO** key.

This displays the info menu.

2 Touch **Calendar** .



This displays the calendar.

Display Contents



1) Year and month of the calendar displayed

2) Month change

Touching this displays the calendar for the previous month or the next month.

3) Year change

Touching this displays the calendar for the previous year or the next year.

4) **Special Day (P133)**

Displays a list of the special days set and allows you to edit them.

5) **Anniversary (P134)**

Displays a list of the anniversaries set.

6) Current year, month, and day

7) Calendar

Today is displayed with light blue.

When you touch a day, you can set it as a special day.

→“Setting Special Days”(P132)

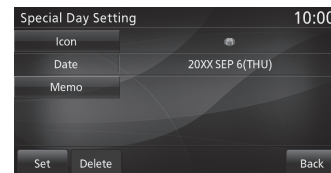
8) **Back**

Touching this returns the display to the info menu (P25).

Setting Special Days

This sets a new special day. Up to 200 special days can be set.

1 Touch the day on the calendar that you want to set as a special day.



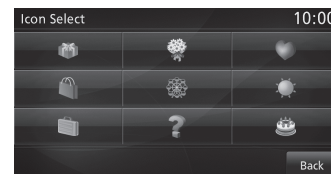
This displays the special day setting screen.

ADVICE

- Touching a day that has already been set as a special day allows you to edit it.
- You cannot set a special day in the past.

2 Touch **Icon .**

3 Touch any “icon”.



4 Touch **Memo** .

5 Input a name for the special day, then touch **Set** .

→“How to Input Characters”(P19)



6 Touch **Set** .



The special day setting is complete.

NOTE

- Three days after a special day, it is automatically deleted.

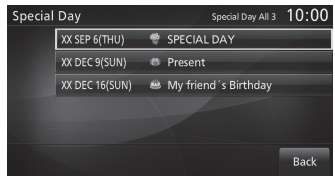
Editing Special Days

This edits a special day that has already been set.

1 While the calendar is displayed, touch **Special Day** .

This displays a list of the set special days.

2 Touch the special day to edit.



This displays the special day setting screen. The rest of the procedure is the same as from Step 2 onward in “Setting Special Days”(P132).

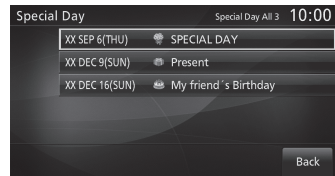
Deleting Special Days

This deletes a special day that has already been set.

1 While the calendar is displayed, touch **Special Day** .

This displays a list of the set special days.

2 Touch the special day to delete.



3 Touch **Delete** .



The special day deletion is complete.

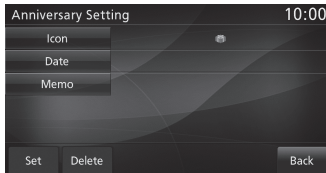
Setting Anniversaries

This sets a new anniversary. Up to 20 anniversaries can be set.

- 1 While the calendar is displayed, touch **Anniversary** .

This displays the anniversary list.

- 2 Touch **New Event** .



This displays the anniversary setting screen.

ADVICE

- You can set multiple anniversaries for the same day.
- When multiple anniversaries are set on the same day, the icon for the last one set has priority for display.

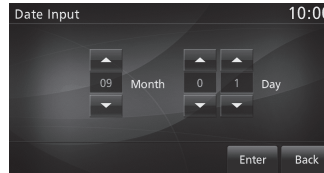
- 3 Touch **Icon** .

- 4 Touch any "icon".



- 5 Touch **Date** .

- 6 Touch **▲** or **▼** , then input the "month" and the "day", then touch **Enter** .



- 7 Touch **Memo** .

- 8 Input a name for the anniversary, then touch **Set** .

→ "How to Input Characters"(P19)



- 9 Touch **Set** .

The anniversary setting is complete.

Editing Anniversaries

This edits an anniversary that has already been set.

- 1 While the calendar is displayed, touch **Anniversary** .

This displays the list of set anniversaries.

- 2 Touch the anniversary to edit.



This displays the anniversary setting screen. The rest of the procedure is the same as from Step 3 onward in “Setting Anniversaries”(P134).

Deleting Anniversaries

- 1 While the calendar is displayed, touch **Anniversary** .

This displays the list of set anniversaries.

- 2 Touch the anniversary to delete.



- 3 Touch **Delete** .



The anniversary deletion is complete.

User SD

If the audio SD card is inserted in this device, you can check the SD card capacity and space available. You can also perform various information updates.

Displaying

1 Press the **INFO** key.

This displays the info menu.

2 Touch **User SD**.



This displays the User SD information screen. You can check the SD card capacity and available space.

ADVICE

- If an audio SD card containing the map database for updating is inserted, you can update the map database by touching [Update map database].

Update the Map Database

You can perform an update of the map database with an SD card.

NOTE

- For details, please consult your Mitsubishi Motors Dealer.

Trip

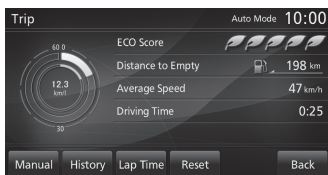
You can check and set trip information.

Displaying

1 Press the **INFO** key.

This displays the info menu.

2 Touch **Trip** .



This displays the trip screen.

Display Contents



1) Fuel consumption graph

Allows you to check the average fuel consumption and the instantaneous fuel consumption.

→“Fuel Consumption Graph”(P139)

2) **Manual** , **Auto** (P139)

Allows you to change the reset mode.

3) **History** (P140)

Allows you to check the fuel consumption and Eco score history.

4) **Current reset mode** (P139)

5) **Eco score**^{*1,*2}

Displays the ECO driving level with the number of leaves.

6) **Distance to Empty**

Measures and displays the possible cruising distance based on the remaining fuel and recent average fuel consumption.

7) **Average Speed**^{*1}

Displays the latest average vehicle speed after each trip information is reset.

8) **Driving Time**^{*1}

Displays the latest elapsed time after ACC is turned on.

9) **Reset**

Allows you to reset all trip information.

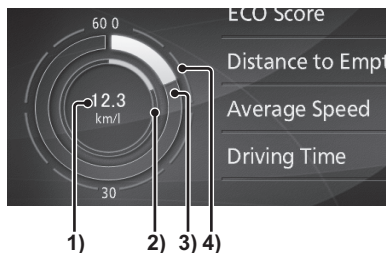
10) **Lap time** (P140)

Allows you to measure the time, distance, vehicle speed, and fuel consumption.

*1 This is an equipment that only some vehicles have.

*2 Eco score is evaluated from when the engine starts until the engine stops. The score is different from the figure displayed on the vehicle meter.

Fuel Consumption Graph

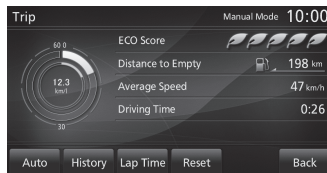
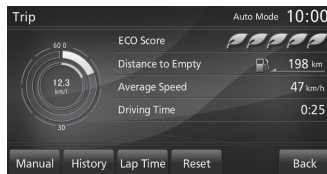


- 1) **Average fuel consumption**
- 2) **Average fuel consumption graph**
Displays the fuel consumption with 16 levels.
- 3) **Instantaneous fuel consumption graph**
Displays the fuel consumption with 16 levels.
- 4) **Scale**
Shows the scales of the average fuel consumption and instantaneous fuel consumption graphs. The values may vary depending on the units.

Unit	Value
km/l	0~60
l/100km	0~20
mpg(US)	0~150
mpg(UK)	0~180

Changing the Reset Mode

- 1 On the trip screen, touch **Manual**.



This switches from auto mode to manual mode.

- 2 Touch **Auto**.

This switches from manual mode to auto mode.

Auto mode	The trip information will reset 4 hours after the engine switch is turned to "ACC" or "OFF".
Manual mode	The trip information is reset when [Reset] on the Trip screen is touched.

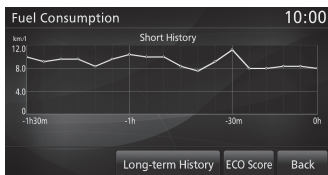
Reset Trip Information

Standard vehicle	Average Fuel Economy Average Speed
-------------------------	---------------------------------------

Check the History

You can check the fuel consumption and Eco score history.*1

- 1 On the trip screen, touch **History** .



This displays the previously displayed history screen (with fuel consumption or Eco score history).

NOTE

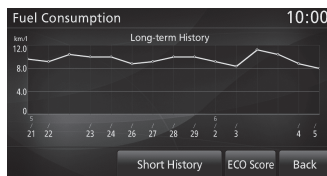
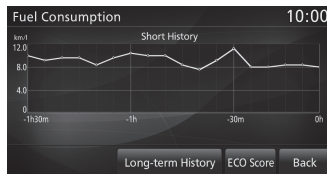
- On the eco score history screen, touching [Mileage History] displays the fuel consumption history screen.
- On the fuel consumption history screen, touching [ECO Score] displays the eco score history screen.
- Eco score history saves the figure displayed before the engine switch is turned off.

*1 ECO score is an equipment that only some vehicles have.

Change the Fuel Consumption History Display

There is a long-term fuel consumption history and a short-term fuel consumption history.

- 1 On the fuel consumption history screen, touch **Long-term History** .



The display switches from the fuel consumption (short-term) screen to the fuel consumption (long-term) screen.

- 2 Touch **Short History** .

The display switches from the fuel consumption (long-term) screen to the fuel consumption (short-term) screen.

Lap Time

You can measure the time, distance, vehicle speed, and fuel consumption.

- 1 On the trip screen, touch **Lap time** .

This displays the lap time screen.

- 2 Touch **Start** .

Lap Time	km	km/h	km/l
0:00:00	0.0	---	---
A	---	---	---
B	---	---	---
C	---	---	---
D	---	---	---

Lap Time	km	km/h	km/l
0:00:19	0.2	---	---
A	---	---	---
B	---	---	---
C	---	---	---
D	---	---	---

Measurement starts. At this time, the vehicle speed and fuel consumption are being measured, so they are not displayed.

3 Touch **Lap** .

Lap Time		10:00		
	Lap Time	km	km/h	km/l
→	0:00:26	0.2	---	---
A	0:00:21	0.2	51	12.6
B	---	---	---	---
C	---	---	---	---
D	---	---	---	---

Buttons: Stop, Lap, Reset, Back

The current measurement results are recorded in "A".

4 Touch **Stop** .

Lap Time		10:00		
	Lap Time	km	km/h	km/l
→	0:00:40	0.4	45	11.0
A	0:00:21	0.2	51	12.6
B	---	---	---	---
C	---	---	---	---
D	---	---	---	---

Buttons: Start, Lap, Reset, Back

The measurement is stopped and the measurement results are recorded in the totals list.

ADVICE

- In Step 3, if you touch [Lap] again, the measurement results in "A" are recorded in "B", and the previous measurement results are recorded in "A". In this way, each time you touch "Lap", the measurement results are moved down "A", "B", "C", and "D".
- After stopping in Step 4, if you touch [Start], measurement resumes.

NOTE

- During measurement, if you switch the ignition key to OFF, measurement is stopped. At this time, if you return the ignition key to ON, measurement resumes.

Delete Lap Times

This deletes the recorded measurement results.

1 On the lap time screen, touch

Reset .

Lap Time		10:00		
	Lap Time	km	km/h	km/l
→	0:00:40	0.4	45	11.0
A	0:00:21	0.2	51	12.6
B	---	---	---	---
C	---	---	---	---
D	---	---	---	---

Buttons: Start, Lap, Reset, Back

Lap Time		10:00		
	Lap Time	km	km/h	km/l
→	0:00:00	0.0	---	---
A	---	---	---	---
B	---	---	---	---
C	---	---	---	---
D	---	---	---	---

Buttons: Start, Lap, Reset, Back

Deletion of the recorded measurement results is complete.

Air Conditioner

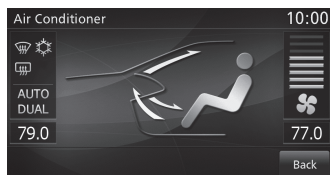
You can check the air conditioner status.
(Only on vehicles that support this function)

Displaying

1 Press the **INFO** key.

This displays the info menu.

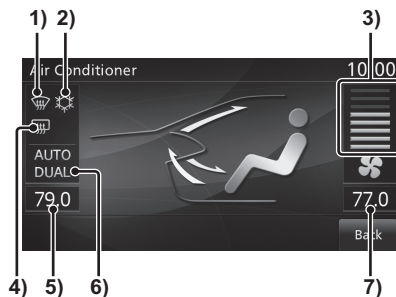
2 Touch **Air Conditioner** .



This displays the air conditioner status.

Display Contents

Dual-zone automatic climate control air conditioner



1) Front defroster indicator

Displayed when the front defroster is operating.

2) Air conditioner indicator

Displayed when the air conditioner is operating.

3) Blower speed indicator

Displays the speed indicator in 9 levels.

4) Rear window defogger indicator

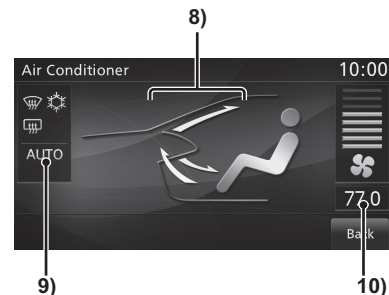
Displayed when the rear window defogger is operating.

5) Left side temperature setting

Displayed when dual mode is on.

7) Right side temperature setting

Other than dual-zone automatic climate control air conditioner



8) Air direction/Outside air intake indicator

9) Auto mode indicator

Displayed when auto mode is on.

10) Temperature setting

NOTE

- When the air conditioner is operated while the navigation screen or audio screen is being displayed, the following screen is displayed.



- If no operation is done on the air conditioner for a while, the air conditioner display goes off automatically.

GPS Information

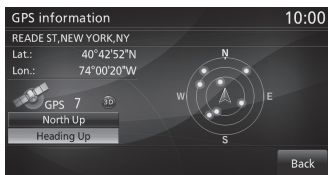
You can check the name of the current location, its latitude/longitude, the number of GPS satellites being received, and a map of satellite locations.

Displaying

1 Press the **INFO** key.

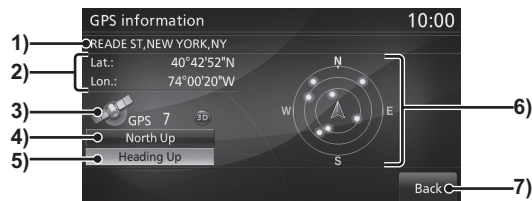
This displays the info menu.

2 Touch **GPS Information**.



This displays the GPS information screen.

Display Contents



1) **Current location name**

2) **Current location latitude/longitude**

3) **Number of GPS satellites being received**

ADVICE

- When **3D** is displayed, effective radio signals are being received from four or more GPS satellites and 3D position measurement, which measures the three dimensions of latitude, longitude, and altitude, is possible.
- When **2D** is displayed, effective radio signals are being received from three or less GPS satellites and 2D position measurement, which measures the two dimensions of latitude and longitude is possible. In this case, the positional precision is less than for 3D position measurement.
- If neither mark is displayed, this shows that effective radio signals are not being received from GPS satellites and the system is in the state of not measuring position.

4) **North Up**

Touching this allows you to change the map of satellite locations to the north reference so that up is north.

5) **Heading Up**

Touching this allows you to change the map of satellite locations to the heading reference so that up is the direction your car is traveling.

6) **Map of satellite locations**

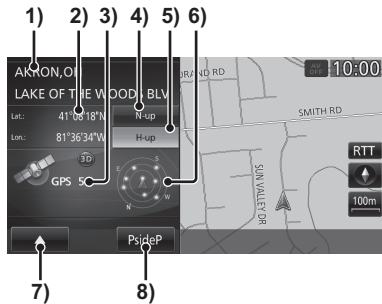
Allows you to check the location of the GPS satellites being received. The GPS actually being used for position calculation is displayed in yellow and those not being used are displayed in grey.

7) **Back**

Touching this returns the display to the info menu (P25).

P side P Display Screen

This section explains the screens displayed when selecting the [GPSInfo] in the P side P display information (P37).



1) **Current location name**

2) **Current location latitude/longitude**

3) **Number of GPS satellites being received**

4) **North Up**

Touching this allows you to change the map of satellite locations to the north reference so that up is north.

5) **Heading Up**

Touching this allows you to change the map of satellite locations to the heading reference so that up is the direction your car is traveling.

6) **Map of satellite locations**

Allows you to check the location of the GPS satellites being received. The GPS actually being used for position calculation is displayed in yellow and those not being used are displayed in grey.

7) **▲**

Touching this displays the submenu. (P33)

8) **PsidP**

Change the information displayed on the P side P sub-screen.

Equipment by type

(Vehicles with a Bluetooth® 2.0 interface).

Mobile Phone

Connecting your mobile phone to this product with Bluetooth lets you use the hands-free function.

⚠ WARNING

- The driver should not hold the mobile phone in their hand while driving.
- Do not leave your mobile phone unattended in the vehicle. If your mobile phone rolls underfoot when you stop the vehicle or when you go around a curve and it get under the brake pedal, it can interfere with driving and cause an accident.

Connect Your Mobile Phone

This product and your mobile phone use the Bluetooth function to connect.

For details on how to connect, refer to *"Bluetooth Setting" (P213)*.

Operation methods below describe situations once connection has been completed.

NOTE

- This requires a mobile phone that can be connected to the Bluetooth.
- For the equipment supported, refer to the vehicle's user manual.
- Cancel functions such as the mobile phone "dial lock", and connect while on the standby screen.
- Some equipment cannot be connected.

Display the Phonebook

There is the vehicle phonebook registered in this product and the mobile phonebook that can draw on the data in your mobile phone.

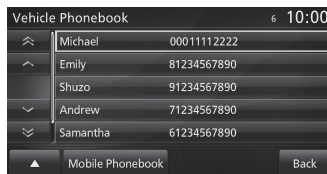
1 Press the **INFO** key or touch

Mobile Phone .

The mobile phone screen is displayed.

2 Touch **▲** , and then

PhoneBook .



The vehicle phonebook screen or the mobile phonebook screen is displayed. The phonebook displayed now is the one that was being displayed the last time.

NOTE

- Telephone numbers in the mobile phonebook cannot be registered, edited, or deleted from this product.
- If the vehicle phonebook screen is being displayed and you want to look at the mobile phonebook, touch [Mobile Phonebook].
- If the mobile phonebook screen is being displayed and you want to look at the vehicle phonebook, touch [Vehicle Phonebook].

Register in Phonebook

Telephone numbers can be registered.

Input and Register the Telephone Number

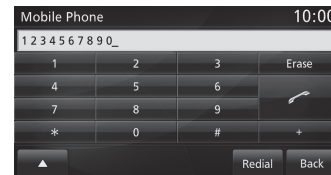
Registration is done with the vehicle phonebook.

1 Press the **INFO** key or touch

Mobile Phone .

The mobile phone screen is displayed.

2 Touch the "telephone number" to register.



3 Touch **▲** , and then

Registration .

4 Input each type of telephone number.



Continued on the next page

5 Touch **Back** .



Registration in the vehicle phonebook is complete.

Registering from Mobile Phone

You can register each entry in the phonebook in your mobile phone into the vehicle phonebook one by one. Also, you can view all the entries in the phonebook in your mobile phone from the mobile phonebook.

WARNING

- Stop your car in a safe location before starting loading of the phonebook from your mobile phone.

NOTE

- For details on how to operate your mobile phone, please refer to the user manual for your mobile phone.
- Normal data transfer may be impossible with some types of mobile phones.
- The only data that can be transferred is home, work, and mobile phone numbers.
- It takes about 3 minutes for the transfer to complete. However, this depends on the number of telephone numbers registered in your mobile phone.
- If there is already a mobile phonebook loaded in this product, loading a phonebook overwrites it.
- Up to 32 entries can be registered in the vehicle phonebook.
- Up to 1000 entries can be displayed in the mobile phonebook.
- Telephone numbers in the mobile phonebook cannot be registered, edited, or deleted from this product.
- In order to load only 1 entry, your mobile phone must support OPP (Object Push Profiles).
- In order to load all the entries, your mobile phone must support PBAP (Phone Book Access Profiles).

Reading in one Entry

1 Display the vehicle phonebook screen.

→“Display the Phonebook”(P145)

2 Touch , and then **Register**.

3 Touch **Register from Mobile Phone**.

4 Touch **Yes**.

Do this while the message “Import one phonebook entry?” is displayed.

5 Select a telephone number.

It is necessary to operate your mobile phone to select the telephone numbers to be transferred.
For details, refer to the user manual for your mobile phone.



When the loading to the vehicle phonebook is complete, the message “Import successful.” is displayed.

Reading in All Entries

1 Display the mobile phonebook screen.

→“Display the Phonebook”(P145)

2 Touch , and then **Import**.

3 Touch **Yes**.

Do this while the message “Import entire phonebook from this phone?” is displayed.



When the loading to the mobile phonebook is complete, the message “Import successful.” is displayed.

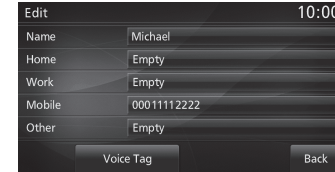
Edit a Phonebook

You can edit a phonebook that has been registered.

1 Display the vehicle phonebook screen.

→“Display the Phonebook”(P145)

2 Touch , and then **Edit**.



This displays the phonebook edit screen. The rest of the procedure is the same as from Step 5 onward in “Input and Register the Telephone Number”(P145).

Deleting a Phonebook

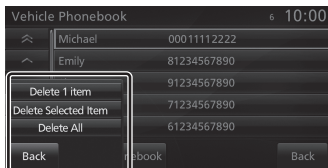
You can delete a phonebook that has been registered.

1 Display the vehicle phonebook screen.

→“Display the Phonebook”(P145)

2 Touch , and then .

3 Touch any of the “deletion methods”.



Delete 1 item	Deletes the currently selected phonebook.
Delete Selected Item	Select multiple phonebooks, then touch [Delete] to delete them.
Delete All	Deletes all the registered phonebooks.

4 Touch .

The phonebook deletion is complete.

Dial a Telephone

There are a number of ways to make a call.

⚠ CAUTION

- As much as possible, refrain from phone calls while driving. First stop your vehicle in a safe location.
- Some mobile phones restrict calls to the same number to no more than 3 times in 3 minutes.

Calling by Entering a Telephone Number

1 On the mobile phone screen, enter the telephone number.



ADVICE

- If you make a mistake for entering, touch [Clear] to clear one digit.

2 Touch the “OFF HOOK” key.

A call is started to the telephone number you entered.

Calling the Person You Were Just Talking with

1 On the mobile phone screen, touch .

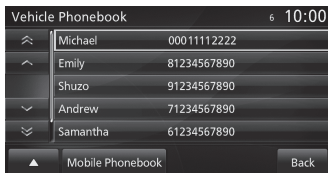
A call is started to the telephone number you were just talking with.

Making a Call from a Phonebook


- 1 Display the vehicle phonebook screen or the mobile phonebook screen.

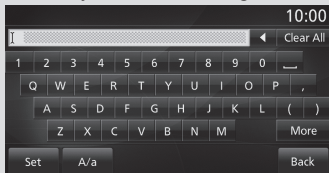
→“Display the Phonebook”(P145)

- 2 Select and touch the “person to call”.

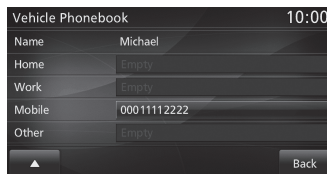


ADVICE

- When there are many items in the phonebook, you can find them using the search function. Touch  and [Jump], then input the first character in the person whose phone number you are searching for.



- 3 Touch the “telephone number to call”.



- 4 Touch .

A call is started to the telephone number you selected.

Call a Telephone Number Registered on the Map

If there is a telephone number in the information for an establishment registered in the navigation function, you can call that telephone number.

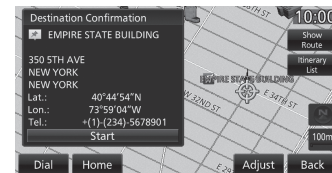
NOTE

- If there is no telephone number in the information for the establishment searched for, you cannot call it.

- 1 Search the “location” to call.

→“Search for a Location”(P49)

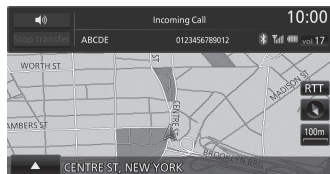
- 2 Touch .



A call is started to the telephone number of the establishment.

Incoming Calls

The incoming call ring is sounded and the incoming call screen is displayed.



ADVICE

- Touching [Mute On] switches OFF the mic connected to this product. Touching [Mute Off] switches ON the mic function.
- Touching [Transfer Call] switches the speaker and mic functions to the mobile phone side. Touching [Transfer Call] again switches the speaker and mic functions to this product.
- The incoming call screen will disappear after approximately four seconds.

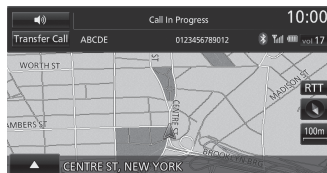


To display that screen again, touch [TEL].

Answering an Incoming Call

- 1 Press the “OFF HOOK” key on the steering wheel.

→“Steering Remote Control Switch Operation”(P84)



You can now talk with the calling party.

Ending a Telephone Call

- 1 Press the “ON HOOK” key on the steering wheel.

→“Steering Remote Control Switch Operation”(P84)

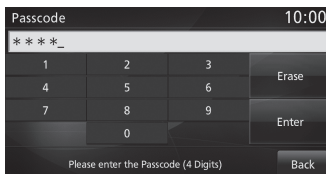
This ends the incoming call.

Setting Passcode

You can lock the telephone function with a passcode to prevent any third party from using the telephone function without your approval.

1 On the mobile phone screen, touch **▲** then **Lock** .

2 Enter a four-digit “passcode”, then touch **Enter** .



The passcode setting is complete.

⚠ CAUTION

- Do not forget this passcode. You will need to enter it the next time you use the telephone function.

ADVICE

- After turning the ignition switch to LOCK/OFF, wait at least 30 seconds, then turn the ignition switch to ACC or ON. If you turn the ignition switch to ACC or ON too quickly, the new setting may not be set properly.
- If you have set a passcode, after turning the ignition switch ON, check that the passcode is set correctly.
- If you forget your passcode, consult your Mitsubishi Motors Dealer.

Unlocking the Lock

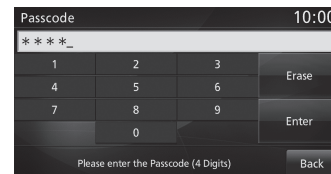
Use the passcode to unlock the lock. The next time you use the telephone function, it is no longer necessary to enter a passcode.

1 Press the **INFO** key.

This displays the info menu.

2 Touch **Mobile Phone** .

3 Enter the set a “passcode”, then touch **Enter** .



4 Touch **▲** , and then **Unlock** .

The unlocking of the passcode lock is complete.

Equipment by type

Camera

When a rear view camera, available separately, is connected, the picture from this rear view camera can be displayed on the display.

For details, refer to the user manual for the vehicle.

WARNING

- **The camera picture does not exempt the driver from the obligation to pay attention or reduce that obligation.**

Drive checking the safety of the surroundings with your own eyes the same way that you do when there is no camera.

CAUTION

- If mud, snow, or the like sticks to a camera, do not strike it off with a stiff rod or the like. Rather use water or warm water, then wipe it off with a soft cloth.
- Depending on the number of people in the car and how much it is loaded, the camera picture and guide lines may be out of line.
- On sloped roads and when the car is otherwise tilted, the camera picture and guide lines may be out of line.

Displaying

Display Pictures from the Rear View Camera

- 1 Move the gear shift position to “R”.



This displays the picture from the rear view camera.

Environment

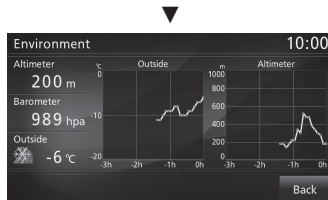
You can check the altitude, air pressure, and outside temperature.

Displaying

1 Press the **INFO** key.

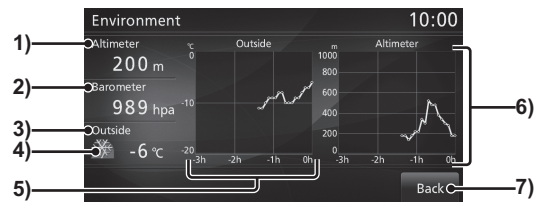
This displays the info menu.

2 Touch **Environment**.



This displays the environment screen.

Display Contents



1) Altimeter

2) Barometer

3) Outside

4) Freezing mark

Displayed when the outside temperature is 3 °C or less.

5) Outside temperature graph

6) Altitude graph

7) **Back**

Touching this returns the display to the info menu (P25).

NOTE

- The display graphs display the latest information in units of 5 minutes.
- You can change the display unit.
→ "Units"(P212)

Equipment by type

Maintenance

You can manage parts replacement timing for your car.

Displaying

You can check the engine oil, oil filter, etc. replacement timing.

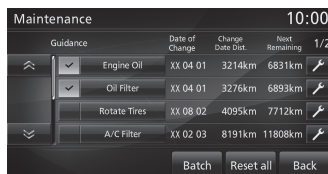
NOTE

- The distance traveled used in the maintenance information is calculated by this product and does not necessarily match the distance calculated by the car.
- During map updating, program updating, etc., the distance traveled cannot be calculated and the distance traveled during this time is not reflected in the maintenance information.

1 Press the **INFO** key.

This displays the info menu.

2 Touch **Maintenance** .



Guidance		Date of Change	Change Date Dist.	Next Remaining	1/2
↕	Engine Oil	XX 04 01	3214km	6831km	↗
✓	Oil Filter	XX 04 01	3276km	6893km	↗
	Rotate Tires	XX 08 02	4095km	7712km	↗
↕	A/C Filter	XX 02 03	8191km	11808km	↗

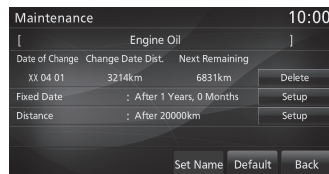
Batch Reset all Back

This displays the maintenance information.

ADVICE

- When the date approaches on which a part is scheduled to be replaced or the travel distance since the last replacement approaches the distance for part replacement, this is displayed in yellow. When that replacement date or distance is passed, this is displayed in red.
- The communication of the part replacement timing is sent 10 days before the scheduled replacement date or when there are 100 kilometers remaining until the travel distance for replacement.

3 Touch the “part” you want to look at.

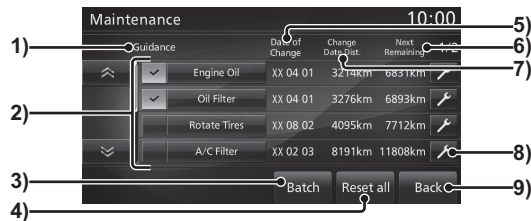


Date of Change	Change Date Dist.	Next Remaining	
XX 04 01	3214km	6831km	Delete
Fixed Date	: After 1 Years, 0 Months		Setup
Distance	: After 20000km		Setup

Set Name Default Back

This displays the detailed information.

Display Contents



1) Guidance

This sets whether or not to display guidance when the parts replacement date approaches or is past. → "Set Maintenance Information Guidance" (P157)

2) Parts

Displays the parts that can be maintained.

3) Batch

The date of all parts maintenance performance, the odometer reading as of that time, and the distance remaining until the next replacement are updated. → "Batch Updating" (P157)

4) Reset all

Resets all the maintenance information. → "Reset Maintenance Information" (P157)

5) Date of Change

Displays the dates on which maintenance was carried out.

6) Next Remaining

Displays the distance remaining until the maintenance execution date.

7) Changed Date Dist

Displays the odometer reading as of the date maintenance was performed.

8) Edit icon

The date of maintenance performance and the odometer reading as of that time are updated. → "Update Maintenance Information" (P157)

9) Back

Returns to the previous screen.

Set Maintenance Information

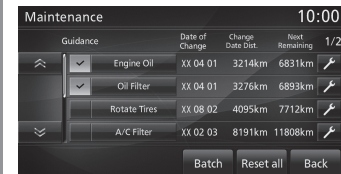
You can set the maintenance fixed date and maintenance distances.

1) Press the **INFO** key.

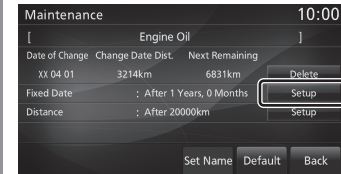
This displays the info menu.

2) Touch **Maintenance**.

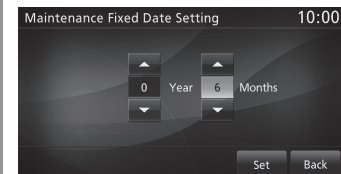
3) Touch the "part" to set.



4) Touch **Setup** in "Fixed Date".

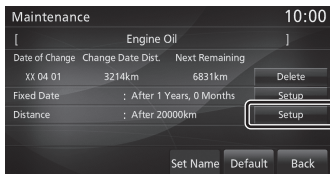


5) Touch **▲** or **▼**, input the maintenance fixed date, then touch **Set**.

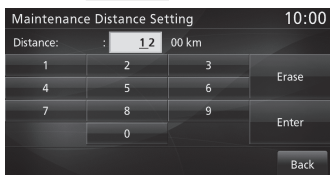


Continued on the next page

6 Touch **Setup** in Distance.



7 Input the “distance”, then touch **Enter** .



→“How to Input Characters”(P19)

8 Touch **Back** .

The maintenance information setting is complete.

NOTE

- The default values for distances and maintenance fixed date are rough yardsticks. Always input the values according to the maintenance information for your car.

Add Maintenance Information

You can add maintenance items that you want to add.

1 Press the **INFO** key.

This displays the info menu.

2 Touch **Maintenance** .

3 Touch **USER*** .

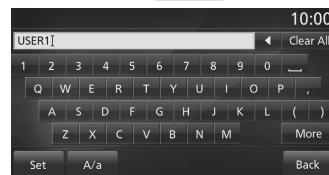
ADVICE

- Items from “USER1” to “USER3” can be added.

4 Touch **Set Name** .

→“How to Input Characters”(P19)

5 Input the “part name” to add, then touch **Set** .



The rest of the procedure is the same as for Step 4 in “Set Maintenance Information”(P155).

Set the “Maintenance Fixed Date” and “Maintenance Distance”.

Delete Maintenance Information

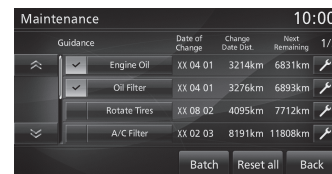
This deletes the “Date”, “Changed at Odometer” and “Remaining Distance” for the set part.

1 Press the **INFO** key.

This displays the info menu.

2 Touch **Maintenance** .

3 Touch the “part” to delete.



4 Touch **Delete** .

5 Touch **Yes** .

The maintenance information deletion is complete.

Update Maintenance Information

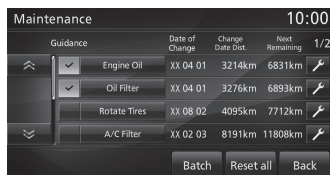
When parts are replaced, the maintenance information is updated.

1 Press the **INFO** key.

This displays the info menu.

2 Touch **Maintenance** .

3 Touch for the “part” that was replaced.



4 Touch **Yes** .

This updates maintenance information.

ADVICE

- When the information is updated, the current date is set as the “Maintenance Fixed Date”.

Batch Updating

This updates all the “Engine Oil”, “Oil Filter”, “Rotate Tires”, “Air Purifier” and “Brake System” replacement dates, odometer readings on replacement dates, and remaining distances until the next replacement.

1 Press the **INFO** key.

This displays the info menu.

2 Touch **Maintenance** .

3 Touch **Batch** .

4 Touch **Yes** .

Batch updating is complete.

Reset Maintenance Information

This resets all the maintenance information.

1 Press the **INFO** key.

This displays the info menu.

2 Touch **Maintenance** .

3 Touch **Reset all** .

4 Touch **Yes** .

The resetting is complete.

Set Maintenance Information Guidance

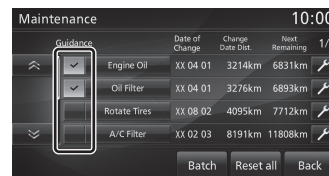
If maintenance information guidance is set, after this product starts, this sets the guidance display when the parts replacement date approaches or is past.

1 Press the **INFO** key.

This displays the info menu.

2 Touch **Maintenance** .

3 Touch “Guidance” for the part to have guidance given about.



This sets “Guidance”.

: Give guidance

: Do not give guidance

When Setting “Give Guidance”

When a parts replacement date approaches or passes, after this product is started, a message like the following is displayed.



Touching a touch switch puts out the message. The operations after the next time this product is started are as follows.

Do not show again	From the next start-up, messages are not displayed.
Delete	Even from the next start-up, messages are still displayed.

HD Radio Data Information

You can check Fuel price and weather information.

NOTE

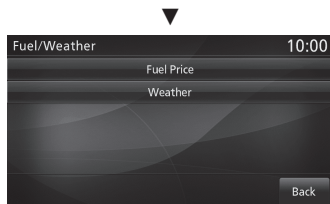
- Depending on the region, it may not be possible to acquire information.

Displaying

1 Press the **INFO** key.

This displays the info menu.

2 Touch **Fuel/Weather**.



This displays the HD Radio Data Information screen.

NOTE

- [Fuel/Weather] may change to [HD Information] depending on the model.

Fuel price Information Screen

The screenshot shows a screen titled "Fuel Price" with a time of 10:00. It displays a list of gas stations with columns for "REG", "MID", and "PRE" prices. The stations listed are SHELL, MOBIL, and CHEVRON. An "Update" button is at the bottom left and a "Back" button is at the bottom right.

Station	REG	MID	PRE	Distance
SHELL	\$4.15	\$4.26	\$4.37	1.8km
MOBIL	\$4.09	\$4.19	\$4.29	2.1km
CHEVRON	\$4.13	\$4.23	\$4.33	2.3km

You can check Fuel prices.

→ "Fuel price Information Screen" (P160)

Weather Information Screen

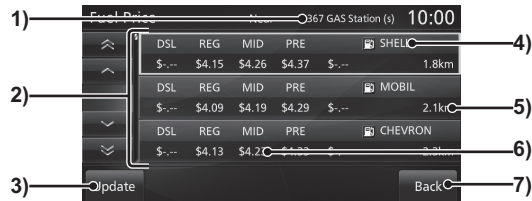
The screenshot shows a screen titled "Weather" with a time of 10:00. It displays a list of cities with columns for "Today" and "Weekly" weather. The cities listed are Akron, Albuquerque, Allentown, Anchorage, and Atlanta. An "ABC" button is at the bottom left and a "Back" button is at the bottom right.

City	Today	Weekly
Akron		
Albuquerque		
Allentown		
Anchorage		
Atlanta		

You can check the weather by city.

→ "Weather Information Screen" (P162)

Fuel price Information Screen



1) Information data number

Displays the instances of gas station information.

2) Gas station list

Displays the list of gas stations ordered by proximity to the location of your vehicle.

3) **Update**

Updates the gas station list.

4) Gas station name

Displays the name of the gas station.

5) Distance to the gas station

Displays the distance from your vehicle to the gas station.

6) Fuel price

Displays the price of each type of gasoline.

7) **Back**

Returns to the HD Radio Data Information screen.

NOTE

- 3) [Update] may change to [Near] depending on the model.
In that case, allows you to switch to a gas station list ordered by proximity to the location of your vehicle.

Check the Location of Gas Stations

You can check the location of gas stations.

1 In the HD Radio Data Information screen, touch **Fuel Price**.

This displayed a list of gas stations.

2 Touch the “gas station” to check.



The map screen is displayed.

ADVICE

- In the Map screen (P57), touching [Start] allows you to set the destination and receive route guidance.

Switching between Gas Station Information

- 1 In the gas station list screen, touch **Update** .

Fuel Price Near 367 GAS Station (s) 10:00

	DSL	REG	MID	PRE	ETH	CITGO	
	\$4.47	\$4.07	\$4.29	\$4.38	\$---		1.9km
	DSL	REG	MID	PRE	ETH	SHELL	
	\$---	\$4.08	\$4.22	\$4.32	\$---		2.1km
	DSL	REG	MID	PRE	ETH	BP	
	\$---	\$4.09	\$---	\$4.38	\$---		2.4km

Update Back

Fuel Price Near 367 GAS Station (s) 10:00

	DSL	REG	MID	PRE	ETH	SHELL	
	\$---	\$4.15	\$4.26	\$4.37	\$---		1.8km
	DSL	REG	MID	PRE		MOBIL	
	\$---	\$4.09	\$4.19	\$4.29	\$---		2.1km
	DSL	REG	MID	PRE		CHEVRON	
	\$---	\$4.13	\$4.23	\$4.33	\$---		2.3km

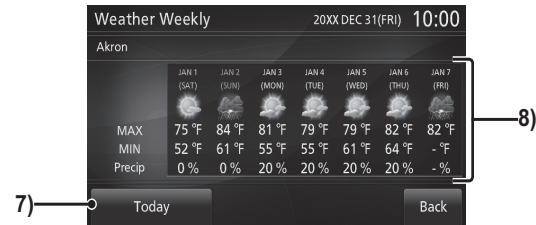
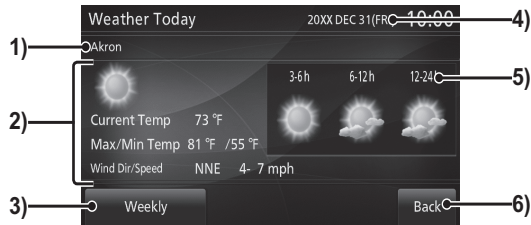
Update Back

Updates the gas station list.

NOTE

- 3) [Update] may change to [Near] depending on the model.

Weather Information Screen



1) City name

2) Weather information

Displays today's weather information. Displays the weather (icon), the current temperature (Current Temp), maximum and minimum temperature (Max/Min Temp), and wind direction and speed (Wind Dir/Speed).

3) Weekly

Displays weekly weather information.

4) Date

5) Future weather

Displays weather 3 - 6 hours ahead, 6 - 12 hours ahead, and 12 - 24 hours ahead.

6) Back

Returns to the region select screen.

7) Today

Displays today's weather information.

8) Weekly weather information

Displays the weather from tomorrow through the next 7 days. Displays weather (icon), maximum temperature (Max), minimum temperature (Min), and precipitation (Precip). Text is displayed in white for Monday through Friday, blue for Saturday, and red for Sunday.

Check the Weather Information

You can check weather information by region.

- 1 In the HD Radio Data Information screen, touch **Weather** .

This displays the region list.

- 2 Touch **Today** or **Weekly** for the region you want to check.



This displays weather information for the selected region.

ADVICE

- Touching [Near] switches the display of the region list ordered by proximity to the location of your vehicle.
- Touching [ABC] switches the display of the region list in alphabetical order.
- At the next start-up, the display will be shown in the sort order selected.

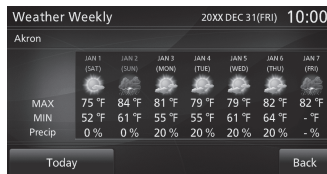
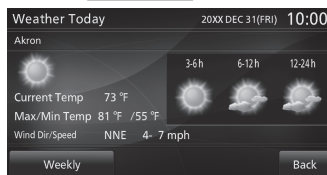
NOTE

[Near], [ABC] may not be displayed depending on the model.

Switching between Weather Information

You can switch between today's weather information and weekly weather information.

- 1 In the Weather Today screen, touch **Weekly** .



This switches to the weekly weather information screen.

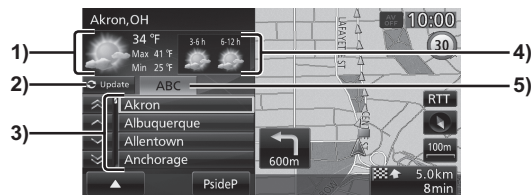
- 2 Touch **Today** .

This switches to today's weather information screen.

P side P Display Screen

This section explains the screens displayed when [Fuel Price] or [Weather] is selected in display information (P37) of P side P.

Displaying Weather Information



1) Weather information

Displays today's weather information. Displays the weather (icon), the current temperature (Current Temp), and maximum and minimum temperature (Max/Min Temp).

2) Update

Touching this updates the city list.

3) City list

Displays a list of city names.

4) Weather forecast

Displays weather 3 - 6 hours ahead and 6 - 12 hours ahead.

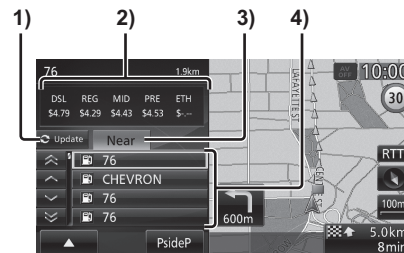
5) List display order

Displays the list display order.

NOTE

2) [Update], 5) "list display order" may not be displayed depending on the model.

Displaying Fuel price Information



1) Update

Touching this updates the gas station list.

2) Fuel prices

Displays Fuel price information of the gas station selected from the gas station list.

3) List display order

Displays the list display order.

4) Gas station list

Displays the gas station list.

NOTE

- 1) [Update] may not be displayed depending on the model.

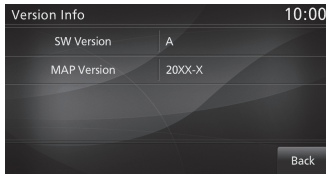
Version Info

You can check the map database, navigation program version, and map request code. This section also explains methods for updating to a newer version of the map database.

Displaying

Map Database Version

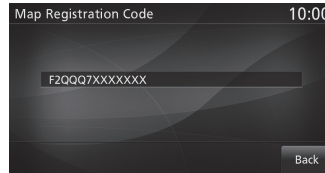
- 1 Press the **INFO** key.
This displays the info menu.
- 2 Touch **Version Info**.



This displays the version info screen.

Checking the map request code

- 1 Press the **INFO** key.
This displays the info menu.
- 2 Touch **Map Reg. Code**.



This displays the map registration code screen.

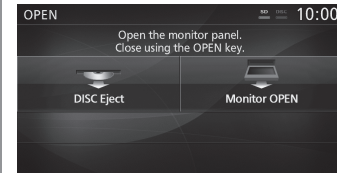
Version Updating Method

A map database or system can be updated to a newer version by replacing the main unit map card with a higher version map card, available separately.

CAUTION

- When updating, first ensure that your car is stopped in a safe area in which stopping is permitted

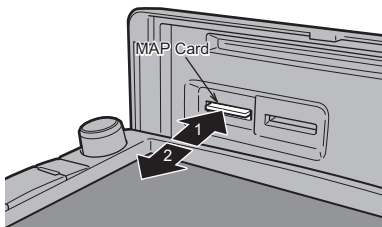
- 1 Press the **OPEN** key.
- 2 Touch **Monitor OPEN**.



The monitor panel opens.

Continued on the next page

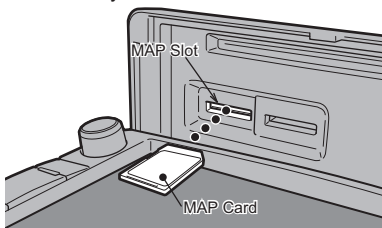
3 Push in the map card until you hear a “click”.



The map card jumps out and can now be removed. Gently remove it.

4 Insert the higher version map card, available separately, into this product.

Insert until you hear the “click”.



5 Press the **OPEN key to close the monitor panel.**



The map screen is displayed.

NOTE

- When reading map data, “Map cannot be displayed.” is displayed.
- When it is necessary to update the system to a newer version, the system update screen is displayed.
- After the version updating is complete, check the version.

Voice Operation

Voice Control

You can perform telephone, audio, navigation, and other operations by voice command.

The speech key has multiple functions, a short push for Navigation, Climate, and Audio Voice Commands, and a long push for hands-free calls.

There are two types of voice control functions: the function from this product and the function used in a Bluetooth[®] 2.0 interface.

1 Press the “SPEECH” key on the steering wheel. After you hear the “beep”, say “Voice commands”.

→“Steering Remote Control Switch Operation”(P84)

The telop and guide screen is displayed. When speaking, use the details displayed on the guide screen as reference.

ADVICE

- You can check the usage for voice control, a list of voice commands, etc. → “Check the Voice Control Help” (P195)
- The voice control function cannot be used right after the navigation starts up. Please wait for a while before using.
- Depending on the status of the navigation, voice control may not be possible.
- Depending on the combination of devices and modes, voice commands may not be recognized.
- The guide screen will be displayed while the vehicle is moving. You can choose to not display the guide screen. → “Voice control settings” (P215)
- If you use other functions during voice command (including during phone dialing), the operation by voice command will be canceled.

NOTE

- The voice control function may have difficulty in some environments and with the way some people speak.
- The followings will help you make the best use of the voice control function.
- Speak loud and clear. This makes voice recognition easier.
 - When making a call, avoid saying things such as “uh”, “um, uh”, “aah”, etc. These may be mistaken for other words.
 - Close the windows. Noise from the outside can cause recognition mistakes.
 - Ask everyone else in the vehicle to please be quiet while you voice-dial a call. The voices of others in the vehicle can cause recognition mistakes.
 - Words are sometimes mistaken for other words with a similar pronunciation.
 - If there is too much ambient noise, recognition mistakes may occur. Example: Driving through a tunnel, driving with chains on the tires
 - Strong air flow from the air conditioner or heater may make recognition more difficult.
 - In the following cases, voice commands are not accepted.
 - Speaking too slow (too fast)
 - Speaking too loud (too softly)
 - Not saying anything or pronunciation is unclear
 - Spoke before the “beep”
 - The system cannot recognize voice data that is not recorded.

About the Learning Function

The voice control system has a learning function. (This function cannot be used by voice control systems using a Bluetooth 2.0 interface.) This learning function inputs the driver's voice and way of speaking, and makes voice recognition easier.

Also, the learned data can be reset (deleted), so reset the data if the user will change for a long period of time. → "Voice control settings" (P215)

Skip Audio Guide



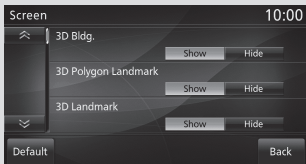
During audio guide, press the "SPEECH" key again to skip the guide.

End Voice Control

- To stop voice control after starting up, execute one of the following procedures.
 - Press and hold down "SPEECH" key.
 - Press a key such as **MODE** key.
- If you do not speak after starting up voice control, the system will automatically be in pause mode. (Press the "SPEECH" key again to restart voice control.) If there is no operation for a while in pause mode, voice control will automatically end.
- If voice control is forced to shut down such as by pressing the **MODE** key, the voice control cannot restart from where you left off.

Audio operable screens

Operable commands differ according to the display screen. The screen shows an example. Even corresponding screens may not operate. Also, non-corresponding screens may be operated.

Screen	Types of Audio Commands
Current Location Screen 	Changing Scale(P183)
	Changing Left Screen Scale(P184)
	Changing Left Screen Map Orientation(P185)
	Switching Maps(P184)
	Changing Map Orientation(P184)
	Searching(P177)
	Scrolling Map(P182)
	Confirming(P178)
	Confirming Route(P178)
	Editing Route/Changing Search Conditions(Includes Detours)(P179)
RTT(P180)	
Scroll Screens 	Setting Destination,Address Book,etc.(P177)
	Changing Scale(P183)
	Changing Left Screen Scale(P184)
Other 	Changing Left Screen Map Orientation(P185)
	Switching Functions(P182)
	Settings(P180)
	Switching the AV Source(P185)
	AV Operations(P186)
	Changing the Playback Mode(P186)

* This can be used when the screen is the P side P Display Screen.

Navigation Function Operation

Can be operated in the navigation screen. When a nearby establishment or destination is set, establishments along the route can be searched for.

Creating a Route

Basic route search operations are done through voice control.

Creating a Destination

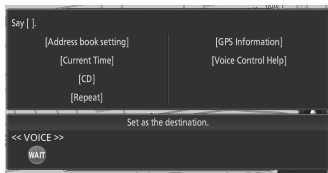
1 Select a Point on the Map.

This can be done by map scrolling or selecting a destination.

2 Press the “SPEECH” key on the steering wheel.

After you hear the “beep”, say “Voice commands”.

3 Say “Destination setting”



Creating a Waypoint

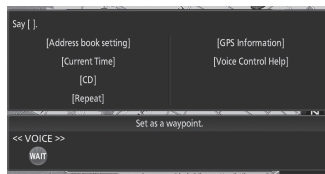
1 Select a Point on the Map.

This can be done by map scrolling or selecting a destination.

2 Press the “SPEECH” key on the steering wheel.

After you hear the “beep”, say “Voice commands”.

3 Say “Set Waypoint”



ADVICE

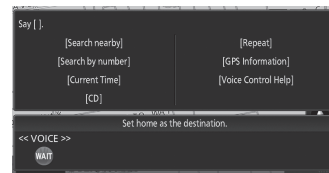
- You cannot set waypoints without setting a destination.

Creating a Route to Your Home

1 Press the “SPEECH” key on the steering wheel.

After you hear the “beep”, say “Voice commands”.

2 Say “Go home”



ADVICE

- You cannot do this operation if your home is not registered. → “Register a Home Location” (P68)

Registering a Location

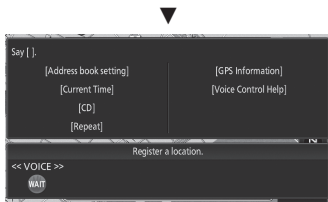
1 Select a Point on the Map.

This can be done by map scrolling or selecting a destination.


2 Press the “SPEECH” key on the steering wheel.

After you hear the “beep”, say “Voice commands”.

3 Say “Address Book Setting”



ADVICE

- The address book mark becomes  (pin mark).
- You can edit your address book information. → “Change Address Book Information” (P74)

Search for a Location

Location search is done through voice control.

ADVICE

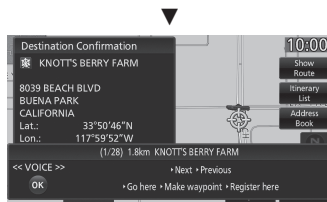
- You can set the destination and waypoint, and register a location after searching a location. → “Creating a Route” (P169)

Searching the Surroundings

1 Press the “SPEECH” key on the steering wheel.

After you hear the “beep”, say “Voice commands”.

2 Say “AMUSEMENT PARK near the Current Location”



If there are multiple search results, the first map result is displayed.

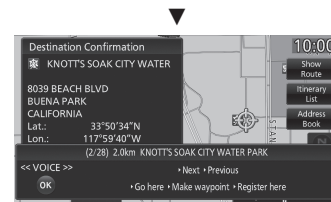
ADVICE

- For details on searchable genre names, refer to “Searchable Genre Names in the Surroundings” (P189).
- Say “near the Route ____” to search for establishments near the route and “near the Destination ____” to search near the destination.

ADVICE

- The displayed numbers have the following meanings:
Distance: The distance from the location where the search was started
A/B: A is the nth facility corresponding to the search, and B is the number of facilities corresponding to the search (up to 100 items)

3 Say “Next”



The second map result is displayed. From then on, say “Next”, “Previous”, “Go here”, “Make waypoint”, “Register here”.

ADVICE

- You can also set the searched establishment name as the destination, waypoint, or in your address book.
- Press the “SPEECH” key on the steering wheel again if the voice control closes due to a time out.

Searching by Telephone Number

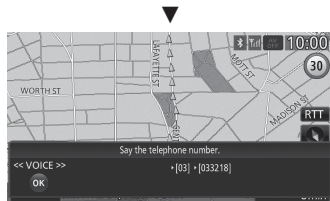
- 1 Press the “SPEECH” key on the steering wheel.

After you hear the “beep”, say “Voice commands”.

- 2 Say “Search by Telephone Number”



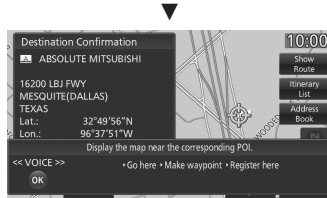
- 3 After you hear the beep, say “Texas”.



- 4 After you hear the beep, say “212XXXX1XX”.



- 5 After you hear the beep, say “Search”.



Displays the map of the surrounding area if the corresponding establishment is found.

ADVICE

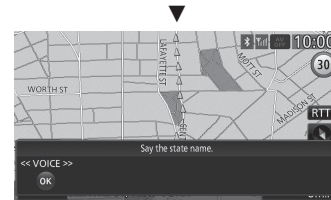
- If the number continues, continue saying the number.
- To re-enter the number, say “Re-enter”.

Searching by Postal Code

- 1 Press the “SPEECH” key on the steering wheel.

After you hear the “beep”, say “Voice commands”.

- 2 Say “Search by Zip code”



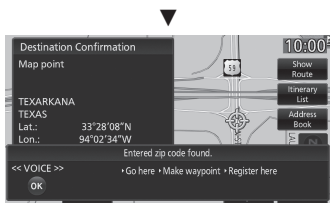
- 3 After you hear the beep, say “Texas”.



- 4 After you hear the beep, say “10466”.



5 After you hear the beep, say “Search”.



Displays the map of the surrounding area if the corresponding postal code is found.

ADVICE

- To re-enter the number, say “Re-enter”.

Operating the Map

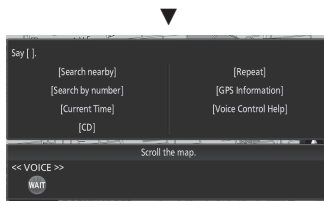
Basic map operations are done through voice control.

Scrolling the Map

1 Press the “SPEECH” key on the steering wheel.

After you hear the “beep”, say “Voice commands”.

2 Say “Scroll Down”



ADVICE

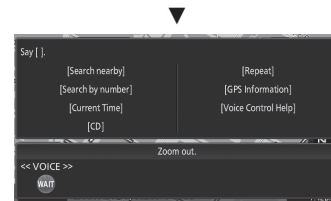
- You can scroll in 8 directions. (Up, Upper Right, Right, Lower Right, Down, Lower Left, Left, Upper Left) Scroll

Changing the Map Scale

1 Press the “SPEECH” key on the steering wheel.

After you hear the “beep”, say “Voice commands”.

2 Say “Zoom Out”



ADVICE

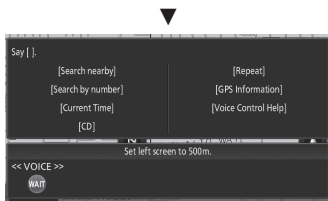
- You can change the scale by saying a particular measurement. (25 m to 1000 km) scale (1/64 mile to 600 mile) scale
- May sometimes not be displayed depending on the navigation conditions.

Change the Two-screen Map Scale

1 Press the “SPEECH” key on the steering wheel.

After you hear the “beep”, say “Voice commands”.

2 Say “Left Screen 500m”



ADVICE

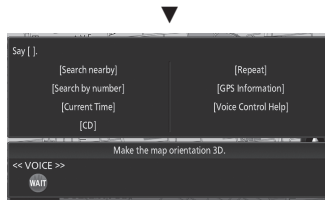
- There are several types of scale change. Zoom In/Zoom Out, Left Screen (Zoom In/Zoom Out), Urban Map, Left Screen Urban Map, (10 m to 100 km) Scale, Left Screen (10 m to 100 km) Scale

Changing the Map Orientation

1 Press the “SPEECH” key on the steering wheel.

After you hear the “beep”, say “Voice commands”.

2 Say “3D”.



ADVICE

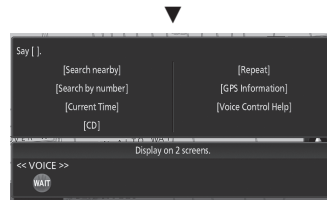
- There are four map orientations. 2D (H-up), 2D (N-up), Auto, 3D

Changing the Map Type

1 Press the “SPEECH” key on the steering wheel.

After you hear the “beep”, say “Voice commands”.

2 Say “Two Maps”



ADVICE

- There are seven types of maps. One Map, Two Maps, Freeway Info, Turn List, P side P, Arrow Guide

Checking and Changing the Route

Confirmation and editing of created routes and basic operations are done through voice control.

ADVICE

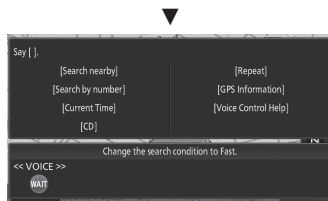
- You cannot do this operation without setting a destination.

Changing Route Search Conditions

- 1 Press the “SPEECH” key on the steering wheel.

After you hear the “beep”, say “Voice commands”.

- 2 Say “Fast”



ADVICE

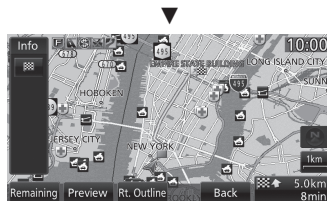
- There are four types of search conditions. Fast, Short, Easy, Eco

Displaying All Routes

- 1 Press the “SPEECH” key on the steering wheel.

After you hear the “beep”, say “Voice commands”.

- 2 Say “Entire Route”

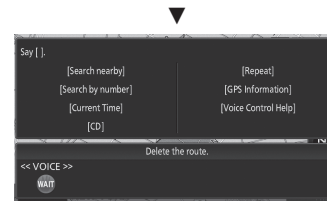


Deleting a Route

- 1 Press the “SPEECH” key on the steering wheel.

After you hear the “beep”, say “Voice commands”.

- 2 Say “Erase Route”



Audio Function Operation

Selecting and Playing Media

You can play a music CD or SD using voice control.

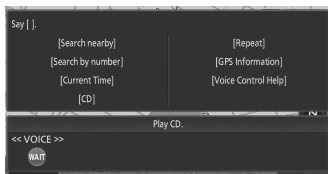
ADVICE

- The media to be played must be inserted in this product.

1 Press the “SPEECH” key on the steering wheel.

After you hear the “beep”, say “Voice commands”.

2 Say “CD”.



ADVICE

- You can play these various media: CD, SD, iPod/USB, Bluetooth audio
- Bluetooth audio can be used in vehicles equipped with a Bluetooth® 2.0 interface.
- You can receive radio and SIRIUS signals.

Repeating Playback

1 Press the “SPEECH” key on the steering wheel while audio is playing.

After you hear the “beep”, say “Voice commands”.

2 Say “Repeat”



ADVICE

- You can change to other playback modes such as Random.
→ “Play Mode” (P109)

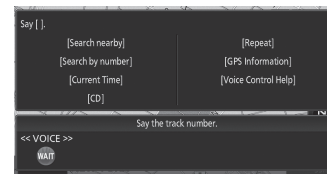
Selecting and Playing Tracks

You can do this operation if you know the track number of the media you want to play.

1 Press the “SPEECH” key on the steering wheel while audio is playing.

After you hear the “beep”, say “Voice commands”.

2 Say “Search by Track Number”



3 After you hear the beep, say “5”.

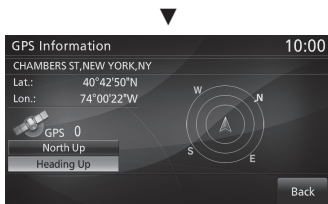
Switch to Other Functions

Displaying Information

1 Press the “SPEECH” key on the steering wheel.

After you hear the “beep”, say “Voice commands”.

2 Say “GPS Information”



ADVICE

- For mode types that can be displayed, refer to “Switching Functions” (P184).

Equipment by type

(Vehicles with a Bluetooth® 2.0 interface).

Telephone (Hands-free)

1 Press the “SPEECH” key on the steering wheel.

After you hear the “beep”, say “Voice commands”.

2 Say “Telephone”



ADVICE

- Except when receiving calls, you can switch to hands-free by pressing “OFF HOOK”.

List of Accepted Commands

Navigation Function Operation

Describes the words that can operate navigation functions.

ADVICE

- Also describes words used in equipment some vehicle types have.

Searching

Search nearby	Search nearby
	Search area
	Search vicinity
Search by Telephone Number	Search by Telephone Number
	Telephone number
	by telephone number
	by phone number
	search by phone number
	search from telephone number
	search from phone number
Search by Zip code	Search by Zip code
	Zip code
	Search from zip code
Search by Number	Search by Number
	Number search
Search History X	Search History X
	Display search history X
	Display search history
	Search history location
	Search history X location

* The X will be replaced by the number of the search history.
If it is the third result in the search history, the display will read "Search History 3".

ADVICE

- If the X is skipped, the first result in the search history is displayed.

Setting Destination, Address Book, etc.

Destination Setting	Destination Setting
	Go here
	Set as destination
	Set destination
	Go there
	Destination set
	Going there
	Going here
	Enter destination
	Enter as destination
Waypoints Setting	Waypoints Setting
	Go through here
	Set waypoint
	Call here
	Go through there
	Call there
	Make waypoint
	Stop by here
	Stop by there
	Stop over here
Stop over there	
Return Home	Return Home
	Home
	Go home
	Go back home
	Back home

Continued on the next page

Go to Special Location X	Go to Special Location X
	Special location
	Special location X
	Go to special location
Address Book Setting	Address Book Setting
	Register here
	Register a location
	Register
Register Home	Register Home
	Register as home
	Set home
	Set as home
Register as Special Location X	Register as Special Location X
	Set as special location
	Register as special location

* The X will be replaced by the entry number in the address book that was registered in the "Destination Menu". → "Load a Frequently Used Location from the Address Book" (P49)

Confirming

Guidance	Guidance
	Next junction
Estimated Time of Arrival at Destination	Estimated Time of Arrival at Destination
	When will I arrive?
	Arrival time
	Time of arrival
	What is the arrival time
	Time until arrival
Estimated Time of Arrival at Waypoint	Estimated Time of Arrival at Waypoint
	When will I arrive at the waypoint?
	Time of arrival at waypoint
	Arrival at waypoint
	Arrival time to destination
Time Remaining to Destination	Time Remaining to Destination
	How long to the destination?
	Remaining time until destination
	Time left until destination
	Time left until arrival
Time Remaining to Waypoint	Time Remaining to Waypoint
	How long to the waypoint?
	Time left until waypoint
	Arrival time to waypoint

Current Time	Current Time
	Time
	What time?
	Confirm time
	What time is it?
Current Date	What date?
	Confirm date
	Today's date
	What's the date today?

Confirming Route

Entire Route	Entire Route
	Entire route screen
	Whole route display
	Display of whole route
	Whole route
	Overall route
Remaining Route	Remaining Route
	Remaining route screen
	Route remaining
	Remaining route display
	Remaining route map

Editing Route/Changing Search Conditions

Erase Route	Erase Route
	Delete the route
Delete Waypoint	Delete Waypoint
	Clear Waypoint
	Delete the waypoint
Change Scale and Route	Change Scale and Route
	Change scale
	Change route
Detour Route 1 km	Detour Route 1 km
	Length of detour 1 km
Detour Route 1/2 mile	Detour Route 1/2 mile
	Length of detour 1/2 mile
	1/2 mile detour route
	Alternative Route
Detour Route 5 km	Detour Route 5 km
	Length of detour 5 km
Detour Route 3 mile	Detour Route 3 mile
	Length of detour 3mile
	3 mile detour route
	Search detour within 3 miles
Detour Route 10 km	Detour Route 10 km
	Detour ahead
	Length of detour 10 km
	Detour

Detour Route 6 mile	Detour Route 6 mile
	Length of detour 6 mile
	6 mile detour route
	Search detour within 6 miles
Detour Route 20 km	Detour Route 20 km
	Length of detour 20 km
Detour Route 12 mile	Detour Route 12 mile
	Length of detour 12 mile
Detour Route 40 km	Detour Route 40 km
	Length of detour 40 km
Detour Route 25 mile	Detour Route 25 mile
	Length of detour 25 mile
	25 mile detour route
	Search detour within 25 miles
Detour Route 80 km	Detour Route 80 km
	Length of detour 80 km
Detour Route 50 mile	Detour Route 50 mile
	Length of detour 50 mile
	50 mile detour route
	Search detour within 50 miles

Alternative Route	Alternative Route
	Search alternative route
	Search detour
	Search for detour
	Search other route
	Search for other route
	Look for detour
	Look for other route
Return Trip	Return Trip
	Return Trip
	Stop Guidance
	Interrupt route guidance
	Start Guidance
Start Guidance	Start Guidance
	Restart guidance
	Restart route guidance
Fast	Fast
Short	Short
Easy	Easy
Eco	Eco
	Fuel-efficient Route
	Energy Conservation
	Fuel efficient

RTT

RTT Traffic Messages	RTT Traffic Messages
	RTT message
	Display RTT message

Settings

3D Bldg.	3D Bldg.
	3D Building
	3D view
	Show building in 3D
3D Polygon Landmark	3D Polygon Landmark
POI Icons on Map	Display POI icons on map
3D Scroll	3D Scroll
2 Screen Scroll	2 Screen Scroll
	Double screen scroll
	Scroll 2 screens
	Scroll both screens
Day & Night Color	Day & Night Color
	Day & Night Colors
	Switch Day and Night
	Switch Day & Night Colors
	Change day and night colors
Day Map Color	Day Map Color
	Daytime map color
Night Map Color	Night Map Color
	Nighttime map color
	Evening map color

Character Size	Character Size
	Font size
	Letter size
Motorway Simplified Map Automatic Display	Motorway Simplified Map Automatic Display
	Freeway Simplified Map Automatic Display
	Show simplified freeway map automatically
	Automatically show simple freeway map
	Automatically view simple freeway map
Current Street Name	Current Street Name
	Display Current Street name
Address Book Names	Address Book Names
	Display Address Book entry
Lane Information	Lane Information
	Lane Info
	Lane description
Route Tracking	Route Tracking
Searched Route	Searched Route
	Route searched
	Search route
	Checked route
AV Icon	AV Icon
	AV image
	AV picture

Mobile Phone Icon	Mobile Phone Icon
	Telephone Icon
	Phone image
	Phone picture
Speed Indicator	Speed Indicator
	Speed gauge
Change 3D point of view	Change 3D point of view
	Switch to 3D point of view
	Switch overhead view angle
	Change overhead view angle
	Switch to 3D perspective
	Change to 3D perspective
	Switch to 3D view
Route Priority	Route Priority
	Route priority setting
Minimize Freeways	Minimize Freeways
	Minimize Freeways setting
Minimize Toll Roads	Minimize Toll Roads
	Minimize Toll Roads setting
Minimize Ferries	Minimize Ferries
	Minimize Ferries setting
Avoid Selected Areas	Avoid Selected Areas
	Avoid Selected Areas setting
Travel Time	Travel Time
	Avoid Time Restricted Roads setting
Time/Distance Remaining	Time/Distance Remaining
	Time/Distance Remaining Display setting

Route Guidance Frequency	Route Guidance Frequency
	Set Route Guidance Frequency
	Route guidance frequency settings
	Route guide settings
POI Icons on Guidance Map	POI Icons on Guidance Map
	Display POI icons on guidance map
Curve Guidance	Curve Guidance
Edit Address Book Entries	Edit Address Book Entries
	Register or edit Address Book entries
Edit My Home	Edit My Home
	Register or edit Home position
Avoid Area List	Avoid Area List
	Register or edit Areas to Avoid
Edit My Categories	Edit My Categories
	Set or register frequently used categories
Guidance Voice Volume	Guidance Voice Volume
	Guidance volume setting
Beep Sound Volume	Beep Sound Volume
	Beep sound volume setting
Sensor Calibration	Sensor Calibration
Dynamic Route Guidance	Dynamic Route Guidance
	Settings for execution of alternative route search by RTT traffic messages

RTT Icons on Map	RTT Icons on Map
	RTT icons display setting
Current Station	Current Station
	Search for RTT stations
Display Progress Line	Display Progress Line
PremiDIA HD	PremiDIA HD
Dolby Volume	Dolby Volume
Balance/Fader	Balance/Fader
	Balance & Fader Settings
	Balance and fader
Sound Quality Control	Sound Quality Control
	Sound Quality Setting
	Sound settings
	Set sound quality
	Sound
Acoustics Setting	Acoustics Setting
	Set acoustics
	Acoustics
Speed Compensated Volume	Speed Compensated Volume
	Speed Compensated Volume Settings
	Speed volume settings
	Speed volume
	Compensated volume
	Set speed volume
Display Off	Display Off
	Turn off display
	Do not show display
	Don't show display

Sound	Sound
	Navi Voice
	Volume setting
Set Time Display	Set Time Display
	Switch to set time display
	Time display settings
Daylight Saving Time	Daylight Saving Time
Time Zone	Time Zone
Format Change	Format Change
Set Unit	Set Unit
Camera Setting	Camera Setting
Keyboard Layout	Keyboard Layout
	Pairing
Pairing	Pairing
	Bluetooth setting
A/C Cut-in	A/C Cut-in
	A/C cut-in setting
Voice Control Settings	Voice Control Settings
	Voice recognition settings
	Voice settings
Picture Control	Picture Control
	Color Contrast
	Contrast
	Adjust contrast
Clock Screen	Clock Screen
	Display clock
Vehicle Settings	Vehicle Settings
	Car settings

Charging Timer	Charging Timer
	Timer Charge Setting
	Timer Charge
Remote Climate Control	Remote Climate Control
	Pre-Air Conditioning Settings
	Pre-Air Conditioning
	Set pre-air conditioning
Reset Trip	Reset Trip
	Reset Trip information
	Reset Trip info

Switching Functions

NAVI (Current Location)	Current Location
	MAP
	Current place
Calendar	Calendar
	Calendar screen
GPS Information	GPS Information
	Vehicle location information
	Location information
	GPS
	RV
	Vehicle location
	Current location
	Compass
Voice Control Help	Voice Control Help
	Voice recognition help

User SD	User SD
	SD Information
	SD Card Information
	SD card info
	SD card display
	Show SD card screen
Environment	Environment
	Environmental Information
	Environmental Information screen
Trip	Trip
	Trip Screen
	Trip information
Charge Cost	Charge Cost
	Charge Cost Screen
	Charge Information
	Charge Information Screen
	Charge info screen
Display Distance Area	Display Distance Area
	Distance to Empty Area
	Display Distance to Empty Area
	Distance to Empty Area Screen
	Show Distance to Empty Area
	Show Distance to Empty Area screen

Maintenance	Maintenance
	Maintenance Information
	Maintenance screen
	Maintenance Information screen
Air Conditioner	Air Conditioner
	Air Conditioner Information
	Air Conditioner Information screen
	Air Conditioner screen
HD Radio Data Information	HD Information
	HD Information screen
	Display HD Information screen
Version Info.	Version Info.
	Version
	Version Information
	Version Information screen
	Version screen
Map Reg. Code	Map Reg. Code
	Map Registration Code
Telephone	Telephone
Change Language	Change Language

Scrolling Map

Scroll Up	Scroll Up
Scroll Up-Right	Scroll Up-Right
Scroll Right	Scroll Right
Scroll Down-Right	Scroll Down-Right
Scroll Down	Scroll Down

Scroll Down-Left	Scroll Down-Left
Scroll Left	Scroll Left
Scroll Up-Left	Scroll Up-Left

Changing Scale

Zoom Out	Zoom Out
	Scale Down
	Zoom Out
	Right Screen Wide Area
	Right Screen Scaled Down
	Right Screen Zoom Out
	Show a wide area on the right
	Scale down on the right
	Zoom out of the right
	Show a wide area on the right screen
	Scale down on the right screen
	Zoom out of the right screen
	Wide view

Zoom In	Zoom In
	Enlarge
	Zoom In
	Right Screen Details
	Enlarge Right Screen
	Right Screen Zoom In
	Get details on the right
	Enlarge on the right
	Zoom in on the right
	Get details on the right screen
	Enlarge on the right screen
	Zoom in on the right screen
	zoom to the right
	Show details
Detailed view	

XX km/m	DetailsXX km/m
	XX (k)m scale
	Right Screen XX (k)m
	Scale Right Screen XX (k)m
	Right: XX (k)m
	Scale Right XX (k)m
	Scale down XX (k)m
	Scale XX (k)m
	XX mile
	XX mile scale
	Right Screen XX mile
	Scale Right Screen XX mile
	Right: XX mile
	Scale Right XX mile
Scale down XX mile	
Scale XX mile	

* If the display is in km/m, the XX will be replaced by 1000 (km), 500 (km), 250 (km), 100 (km), 50 (km), 20 (km), 10 (k m), 5 (km), 2 (km), 1 (km), 100 (m), 50 (m), 25 (m), or 10 (m).

* If the display is in mile, the XX will be replaced by 1/64 mile, 1/32 mile, 1/16 mile, 1/8 mile, 1/ 4 mile, 1/2 mile, 1.5 mile, 3 mile, 6 mile, 10 mile, 15 mile, 30 mile, 60 mile, 150 mile, 300 mile, or 600 mile.

Switching Maps

One Map	One Map
	1 screen
	1-screen Map
	Single Map
	map on single screen
	single screen map
Two Maps	Two Maps
	2 screens
	2-screen Map
	Double Map
	map on double screen
	map on 2-screens
FWY Info	FWY Info
	Freeway simplified map
	Highway map
	Freeway map
	Map of freeway
	Map of highway
PsideP	PsideP
	PsideP screen
	Display PsideP
	PinP screen
	Display PinP
	PinP
Turn List	Turn List
Arrow Guide	Arrow guide

Changing Map Orientation

North Up	North Up
	Right screen North up
	Right North up
	North up mode
	Right screen North up mode
Heading Up	Heading Up
	Right Screen Heading Up
	Head up on the right
	Head up on the right screen
	Heading up on the right screen
	Right screen head up mode
3D	Head up mode on right screen
	3D
	Right Screen 3D
	Show in 3D
	Show right in 3D
	Show right screen in 3D
	3D view
	3D display
	Display in 3D

Changing Left Screen Scale

Zoom Out left screen	Zoom Out left screen
	Left screen Reduce
	Zoom out left screen
	Left Wide view
	Left Reduce
	Zoom out left
	Left screen Wide view
Zoom In left screen	Zoom In left screen
	Left screen Enlarge
	Zoom in left screen
	Left Detailed view
	Left Enlarge
	Zoom in left
	Left screen Detailed view
	Zoom to the left
Left Screen XX km/m	Left Screen XX km/m
	Scale Left Screen XX (k)m
	Left: XX (k)m
	Scale Left XX (k)m
	Left Screen: XX (k)m
	Scale down left screen XX (k)m
	Left Screen XX mile
	Scale Left Screen XX mile
	Left: XX mile
	Scale Left XX mile
Left Screen: XX mile	
	Scale down left screen XX mile

- * If the display is in km/m, the XX will be replaced by 1000 (km), 500 (km), 250 (km), 100 (km), 50 (km), 20 (km), 10 (k m), 5 (km), 2 (km), 1 (km), 100 (m), 50 (m), 25 (m), or 10 (m).
- * If the display is in mile, the XX will be replaced by 1/64 mile, 1/32 mile, 1/16 mile, 1/8 mile, 1/ 4 mile, 1/2 mile, 1.5 mile, 3 mile, 6 mile, 10 mile, 15 mile, 30 mile, 60 mile, 150 mile, 300 mile, or 600 mile.

Changing Left Screen Map Orientation

Left Screen North Up	Left Screen North Up
	Left North up
	Left screen North up mode
Left Screen Heading Up	Left Screen Heading Up
	Left Heading up
	Left screen Head up mode
	Head up mode on Left screen

Audio Function Operation

Describes the words that can operate audio functions.

ADVICE

- Operation may not be possible depending on the screen.
- To switch to the audio screen, refer to "Selecting and Playing Media" (P175).

Switching the AV Source

Radio	Radio
	Listen to radio
	Radio ON
	Turn on radio
	Display FM/AM screen
	Display radio screen
FM	FM
	Listen to FM
	FM radio
AM	AM
	Listen to AM
	AM radio

SD	SD
	Listen to SD
	SD Playback
	Set to SD
	Play SD
	SD Card
	Listen to SD cards
	SD Card Playback
	Set to SD card
	Play the SD card
iPod	iPod
	Listen to iPod
	Play iPod
USB	USB
	Listen to USB
	Play USB
	USB memory
AUX	AUX
CD	CD
	Listen to CD
	Play CD
Sirius	Sirius
	Listen to Sirius
	Set to Sirius
	Receive Sirius
Bluetooth Audio	Bluetooth Audio
	Listen to Bluetooth Audio
	Play Bluetooth Audio

AV Operations

Audio Off	Audio Off
	Turn audio off
	Turn off music
	Stop music
	Stop audio
Audio	Audio
	Audio on
	Listen to audio
	Play audio
	Play music
	Music ON
	Listen to music
	Start music
Seek Up	Seek Up
Seek Down	Seek Down
Stop Seek	Stop Seek
Update Service List	Update Service List
	Start service list update
Normal Play	Normal Play
	Normal playback
Next Folder	Next Folder
	Next directory
Previous Folder	Previous Folder
	Previous directory
Change Playlist Mode	Change Playlist Mode
	Switch playlist modes
Next Preset Station	Next Preset Station
	Next Preset

Previous Preset Station	Previous Preset Station
	Previous Preset
	Last Preset
	Last Preset station
Play	Play
Pause	Pause
Stop play	Stop play
	Stop
Search by Track Number	Search by Track Number
	Track number
	Search from track number
Change Sub Channel	Change Sub Channel

Changing the Playback Mode

Repeat	Repeat
	Start Repeat
	Repeat ON
Folder Repeat	Folder Repeat
	Start Folder Repeat
	Folder Repeat ON
	Repeat folder
Playlist Repeat	Playlist Repeat
	Start Playlist Repeat
	Playlist Repeat ON
Track Repeat	Track Repeat
	Start Track Repeat
	Track Repeat ON

All Repeat	All Repeat
	Start Repeat All
	Repeat All ON
	Repeat all
	Repeat all songs
Stop Repeat	Stop Repeat
	Stop track repeat
	Stop folder repeat
	Stop playlist repeat
	Repeat OFF
Scan	Scan
	Start Scan
	Scan ON
Scan Folders	Scan Folders
	Start Scanning Folders
	Folder Scan ON
Scan Playlists	Scan Playlists
	Start Scanning Playlists
	Playlist Scan ON
	Start playlist scan
Scan Tracks	Scan Tracks
	Start Scanning Tracks
	Track Scan ON
Stop Scan	Stop Scan
	Stop track scan
	Stop folder scan
	Stop playlist scan
	Playlist scan OFF

Random	Random
	Start Random
	Random ON
Playlist Random	Playlist Random
	Start Playlist Random Play
	Playlist Random Play ON
	Random ON
	Turn on playlist random
	Play songs at random
All Random	All Random
	Start All Random
	All Random ON
Track Random	Track Random
	Start Random Tracks
	Random Tracks ON
Stop Random	Stop Random
	Stop track random
	Stop all random
	Stop playlist random
	Stop random play
Shuffle	Shuffle
	Start Shuffle
	Shuffle ON
Shuffle Tracks	Shuffle Tracks
	Start Track Shuffle
	Track Shuffle ON
	Random play
	Randomize tracks

Album Shuffle	Album Shuffle
	Start Album Shuffle
	Album Shuffle ON
Stop Shuffle	Stop Shuffle
	Stop album shuffle

Searchable Genre Names in the Surroundings

Say the genre name together with "near the Destination ___", "near Waypoint X ___", "near the Current Location ___", or "near the Route ___". → "Searching the Surroundings" (P170)

Example: "GAS STATION near the Destination"

near the Destination ___	near the Destination ___
	in the destination ___
near Waypoint X ___	near Waypoint X ___
	in waypoint X ___
	in the waypoint ___
near the Current Location ___	near the Current Location ___
	hereabout ___
	nearby ___
near the Route ___	near the Route ___
	Route ___

* The X is replaced by a waypoint number.

+

Searchable genre names in the surroundings below

MITSUBISHI MOTORS

DEALER	MITSUBISHI MOTORS
	DEALER
SERVICE	SERVICE

GAS STATION

GAS STATION	GAS STATION
76	76
7-ELEVEN	7-ELEVEN
ARCO	ARCO
BP	BP
CANADIAN TIRE	CANADIAN TIRE
CENEX	CENEX
CHEVRON	CHEVRON
CIRCLE K	CIRCLE K
CITGO	CITGO
CLARK	CLARK
COASTAL	COASTAL
CONOCO	CONOCO
DIAMOND SHAMROCK	DIAMOND SHAMROCK
ESSO	ESSO
EXPRESS	EXPRESS
EXXON	EXXON
E-Z MART	E-Z MART
FINA	FINA
FLYING J	FLYING J
FOOD MART	FOOD MART
GATE	GATE
GETGO	GETGO
GETTY	GETTY
GO	GO
GULF	GULF
HESS	HESS

HOLIDAY STATIONSTORES	HOLIDAY STATIONSTORES
HUSKY	HUSKY
IRVING	IRVING
KANGAROO EXPRESS	KANGAROO EXPRESS
KWIK FILL	KWIK FILL
KWIK TRIP	KWIK TRIP
LOVE'S COUNTRY STORE	LOVE'S COUNTRY STORE
LUKOIL	LUKOIL
MAPCO	MAPCO
MARATHON	MARATHON
MAVERICK MARKET	MAVERICK MARKET
MEIJER GAS STATION	MEIJER GAS STATION
MINI MART	MINI MART
MOBIL	MOBIL
MOHAWK	MOHAWK
MURPHY USA	MURPHY USA
OLCO	OLCO
PEMEX	PEMEX
PETRO-CANADA	PETRO-CANADA
PETROLEUM	PETROLEUM
PHILLIPS 66	PHILLIPS 66
PILOT	PILOT
PIONEER	PIONEER
QUICK STOP	QUICK STOP
QUIKTRIP	QUIKTRIP
RACETRAC	RACETRAC

RACEWAY	RACEWAY
SHEETZ	SHEETZ
SHELL	SHELL
SINCLAIR	SINCLAIR
SPEEDWAY	SPEEDWAY
SPUR	SPUR
STEWART'S	STEWART'S
SUNOCO	SUNOCO
SUPERAMERICA	SUPERAMERICA
SWIFTY	SWIFTY
TESORO	TESORO
TEXACO	TEXACO
THORNTON OIL	THORNTON OIL
ULTRAMAR	ULTRAMAR
USA PETROLEUM	USA PETROLEUM
VALERO	VALERO
WAWA	WAWA

EV STATION

EV STATION 120V (PUBLIC)	EV STATION 120V
	EV STATION 120V PUBLIC
	PUBLIC EV STATION 120V
EV STATION 120V (MEMBER)	EV STATION 120V MEMBER
	EV STATION 120V MEMBERSHIP
	MEMBER EV STATION 120V
	MEMBERSHIP EV STATION 120V

EV STATION 240V (PUBLIC)	EV STATION 240V
	EV STATION 240V PUBLIC
	PUBLIC EV STATION 240V
EV STATION 240V (MEMBER)	EV STATION
	EV STATION 240V MEMBER
	EV STATION 240V MEMBERSHIP
	MEMBER EV STATION 240V
	MEMBERSHIP EV STATION 240V

PARKING

PARKING	PARKING
PARKING LOT	PARKING LOT
PARKING GARAGE	PARKING GARAGE

OTHER CAR SERVICE

CAR RENTAL	CAR RENTAL
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BANK

ATM	ATM
BANK	BANK
AFIRME	AFIRME
ASSOCIATED BANK	ASSOCIATED BANK
BANAMEX	BANAMEX
BANCO AZTECA	BANCO AZTECA

BANCO POPULAR	BANCO POPULAR
BANCORPSOUTH	BANCORPSOUTH
BANK OF AMERICA	BANK OF AMERICA
BANK OF MONTREAL	BANK OF MONTREAL
BANK OF THE WEST	BANK OF THE WEST
BANORTE	BANORTE
BANQUE NATIONALE	BANQUE NATIONALE
BB&T	BB and T
BBVA BANCOMER	BBVA BANCOMER
BBVA COMPASS	BBVA COMPASS
CAISSE POPULAIRE DESJARDINS	CAISSE POPULAIRE DESJARDINS
CAPITAL ONE	CAPITAL ONE
CHARTER ONE BANK	CHARTER ONE BANK
CHASE	CHASE
CIBC	CIBC
CITIBANK	CITIBANK
CITIZENS BANK	CITIZENS BANK
COMERICA	COMERICA
COMMERCE BANK	COMMERCE BANK
FIFTH THIRD BANK	FIFTH THIRD BANK
FIRST CITIZENS BANK	FIRST CITIZENS BANK
FIRST FEDERAL	FIRST FEDERAL

FIRST NATIONAL BANK	FIRST NATIONAL BANK
FIRST NIAGARA	FIRST NIAGARA
FIRSTBANK	FIRSTBANK
HARRIS BANK	HARRIS BANK
HSBC	HSBC
IBC BANK	IBC BANK
KEYBANK	KEYBANK
M&I BANK	M and I BANK
M&T BANK	M and T BANK
PEOPLES BANK	PEOPLES BANK
PNC BANK	PNC BANK
RBC CENTURA BANK	RBC CENTURA BANK
RBC ROYAL BANK	RBC ROYAL BANK
REGIONS	REGIONS
SANTANDER	SANTANDER
SCOTIABANK	SCOTIABANK
SOVEREIGN BANK	SOVEREIGN BANK
SUNTRUST	SUNTRUST
TCF	TCF
TD BANK	TD BANK
TD CANADA TRUST	TD CANADA TRUST
THE HUNTINGTON NATIONAL BANK	THE HUNTINGTON NATIONAL BANK
UNION BANK OF CALIFORNIA	UNION BANK OF CALIFORNIA
US BANK	US BANK

WELLS FARGO	WELLS FARGO
WOODFOREST NATIONAL BANK	WOODFOREST NATIONAL BANK

COMMUNITY

BANQUET HALL	BANQUET HALL
CITY CENTER	CITY CENTER
CITY HALL	CITY HALL
CIVIC/COMMUNITY CENTER	CIVIC CENTER
	COMMUNITY CENTER
CONVENTION/ EXHIBITION CENTER	CONVENTION CENTER
	EXHIBITION CENTER
COURT HOUSE	COURT HOUSE
EMBASSY	EMBASSY
GOVT. OFFICE	GOVERNMENT OFFICE
LIBRARY	LIBRARY
MAJOR COMPANIES	MAJOR COMPANIES
POST OFFICE	POST OFFICE
SCHOOL	SCHOOL
UNIVERSITY/ COLLEGE	UNIVERSITY
	COLLEGE

EMERGENCY/MEDICAL

HOSPITAL	HOSPITAL
POLICE STATION	POLICE STATION
PHARMACY	PHARMACY
VETERINARIAN	VETERINARIAN

ROAD ASSISTANCE	ROAD ASSISTANCE
PHYSICIAN	PHYSICIAN
POLICE SERVICE	POLICE SERVICE
MEDICAL SERVICE	MEDICAL SERVICE
FIRE DEPARTMENT	FIRE DEPARTMENT

PLACE OF WORSHIP

PLC OF WORSHIP	PLACE OF WORSHIP
MOSQUE	MOSQUE
CHURCH	CHURCH
TEMPLE	TEMPLE
SYNAGOGUE	SYNAGOGUE
ASHRAM	ASHRAM

ENTERTAINMENT

AMUSEMENT PARK	AMUSEMENT PARK
ANIMAL PARK	ANIMAL PARK
	ZOO
BOWLING	BOWLING
CAMPGROUND	CAMPGROUND
CASINO	CASINO
CINEMA	CINEMA
GOLF DRIVING RANGE	GOLF DRIVING RANGE
GOLF COURSE	GOLF COURSE

HISTORICAL MONUMENT	HISTORICAL MONUMENT
MARINA	MARINA
MUSEUM	MUSEUM
NIGHT LIFE/ MUSIC CLUB	NIGHT LIFE MUSIC CLUB
RECREATION AREA	RECREATION AREA
REC,CENTER	RECREATION CENTER
RV PARK	RV PARK
SPORTING & INSTRUCTIONAL CAMP	SPORTING and INSTRUCTIONAL CAMP
SPORTS COMPLEX	SPORTS COMPLEX
THEATER/OPERA	THEATER OPERA
WINERY	WINERY

RESTAURANT

ALL TYPES (RESTAURANT)	RESTAURANT
BALKAN	BALKAN
BELGIAN	BELGIAN
BOHEMIAN	BOHEMIAN
BRITISH ISLES	BRITISH ISLES
CALIFORNIAN	CALIFORNIAN
CHINESE	CHINESE
CONTINENTAL	CONTINENTAL
EAST EUROPEAN	EAST EUROPEAN
FILIPINO	FILIPINO

FONDUE	FONDUE
FRENCH	FRENCH
GERMAN	GERMAN
GREEK	GREEK
GRILL/ BARBECUE	GRILL BARBECUE
INDIAN	INDIAN
INTERNATIONAL	INTERNATIONAL
ITALIAN	ITALIAN
JAPANESE	JAPANESE
MEXICAN	MEXICAN
PIZZA	PIZZA
PORTUGUESE	PORTUGUESE
SEAFOOD	SEAFOOD
SPANISH	SPANISH
STEAK HOUSE	STEAK HOUSE
SWISS	SWISS
THAI	THAI
TURKISH	TURKISH
VEGAN/ VEGETARIAN	VEGAN VEGETARIAN
AFRICAN	AFRICAN
AMERICAN	AMERICAN
ARGENTINEAN FOOD	ARGENTINEAN FOOD
AUSTRALIAN	AUSTRALIAN
BRAZILIAN	BRAZILIAN
BREW PUB	BREW PUB

CAJUN/ CARIBBEAN	CAJUN CARIBBEAN
CANADIAN	CANADIAN
CREPERIE	CREPERIE
DUTCH	DUTCH
FUSION	FUSION
HAWAIIAN/ POLYNESIAN	HAWAIIAN POLYNESIAN
ICE CREAM	ICE CREAM
INDONESIAN/ MALAYSIAN	INDONESIAN MALAYSIAN
IRISH	IRISH
JEWISH/KOSHER	JEWISH KOSHER
KOREAN	KOREAN
LATIN AMERICAN	LATIN AMERICAN
MIDDLE EASTERN	MIDDLE EASTERN
MOROCCAN	MOROCCAN
PASTRIES	PASTRIES
SANDWICH	SANDWICH
SCANDINAVIAN	SCANDINAVIAN
SOUTH AMERICAN	SOUTH AMERICAN
SOUTHEAST ASIAN	SOUTHEAST ASIAN
SOUTHWESTERN	SOUTHWESTERN
TAPAS	TAPAS
VIETNAMESE	VIETNAMESE

COFFEE SHOP

COFFEE SHOP	COFFEE SHOP
CARIBOU COFFEE	CARIBOU COFFEE
COFFEE TIME	COFFEE TIME
DUNKIN' DONUTS	DUNKIN' DONUTS
HONEY DEW DONUTS	HONEY DEW DONUTS
PEET'S COFFEE & TEA	PEET'S COFFEE & TEA
SECOND CUP	SECOND CUP
SHIPLEY DONUTS	SHIPLEY DONUTS
STARBUCKS	STARBUCKS
THE COFFEE BEAN & TEA LEAF	THE COFFEE BEAN and TEA LEAF
TIM HORTONS	TIM HORTONS

FAST FOOD

FAST FOOD	FAST FOOD
AUNTIE ANNE'S	AUNTIE ANNE'S
BACK YARD BURGERS	BACK YARD BURGERS
BOJANGLES'	BOJANGLES'
BURGER KING	BURGER KING
CARL'S JR	CARL'S JR
CHECKERS	CHECKERS
CHICKEN EXPRESS	CHICKEN EXPRESS
CHICK-FIL-A	CHICK-FIL-A
CHURCH'S CHICKEN	CHURCH'S CHICKEN
CROWN FRIED CHICKEN	CROWN FRIED CHICKEN
CULVER'S	CULVER'S
FIVE GUYS BURGERS AND FRIES	FIVE GUYS BURGERS AND FRIES
FUDDRUCKERS	FUDDRUCKERS
HARDEE'S	HARDEE'S
HARVEY'S	HARVEY'S
IN-N-OUT BURGER	IN-N-OUT BURGER
JACK IN THE BOX	JACK IN THE BOX
JAMBA JUICE	JAMBA JUICE
JOHNNY ROCKETS	JOHNNY ROCKETS
KFC	KFC
KRYSTAL	KRYSTAL
MCDONALD'S	MCDONALD'S

MRS FIELDS	MRS FIELDS
ORANGE JULIUS	ORANGE JULIUS
POPEYES	POPEYES
RALLY'S	RALLY'S
SMOOTHIE KING	SMOOTHIE KING
STEAK N SHAKE	STEAK N SHAKE
SURF CITY SQUEEZE	SURF CITY SQUEEZE
SWISS CHALET	SWISS CHALET
TCBY	TCBY
TROPICAL SMOOTHIE CAFE	TROPICAL SMOOTHIE CAFE
WENDY'S	WENDY'S
WHATABURGER	WHATABURGER
WHITE CASTLE	WHITE CASTLE
ZAXBY'S	ZAXBY'S

SHOPPING

BOATING	BOATING
BOOK STORE	BOOK STORE
CLOTHING STORE	CLOTHING STORE
COMP & SOFTWARE	COMPUTER and SOFTWARE
	COMPUTER
	SOFTWARE
CONVENIENCE STORE	CONVENIENCE STORE
DEPARTMENT STORE	DEPARTMENT STORE

DISCOUNT STORE	DISCOUNT STORE
ELECTRONICS / OFFICE SUPPLIES	ELECTRONICS OFFICE SUPPLIES
FLOWERS/ JEWELRY	FLOWERS JEWELRY
GARDEN CENTER	GARDEN CENTER
GIFT, ANTIQUE, & ART	GIFT, ANTIQUE, and ART GIFT ANTIQU ART
GROCERY STORE	GROCERY STORE
HOME IMPROVEMENT	HOME IMPROVEMENT
HOME SPEC. STORE	HOME SPECIALTY STORE
MAJOR APPLIANCE	MAJOR APPLIANCE
RECORD, CD, & VIDEO	RECORD RECORD, CD VIDEO
SHOPPING CENTER / MALL	SHOPPING CENTER SHOPPING MALL
SPECIALTY CLOTHING	SPECIALTY CLOTHING
SPECIALTY FOOD	SPECIALTY FOOD
SPECIALTY STORE	SPECIALTY STORE
SPORTING GOODS	SPORTING GOODS
VARIETY STORE	VARIETY STORE

WINE & LIQUOR	WINE and LIQUOR WINE LIQUOR
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TRAVEL

AIRPORT	AIRPORT
AUTOMOBILE CLUB	AUTOMOBILE CLUB
BUS STATION	BUS STATION
COMMUTER RAIL STATION	COMMUTER RAIL STATION
FERRY TERMINAL	FERRY TERMINAL
PARK & RIDE	PARK and RIDE
REST AREA	REST AREA
SKI RESORT	SKI RESORT
TOURIST ATTRACTION	TOURIST ATTRACTION
TOURIST INFORMATION	TOURIST INFORMATION
TRAIN STATION	TRAIN STATION
TRAVEL AGENT & TICKETING	TRAVEL AGENT and TICKETING

HOTEL

HOTEL	HOTEL
AMERICAS BEST VALUE INN	AMERICAS BEST VALUE INN
AMERICINN	AMERICINN
AMERISUITES	AMERISUITES

BAYMONT INN & SUITES	BAYMONT INN and SUITES
BEST WESTERN	BEST WESTERN
BUDGET HOST INN	BUDGET HOST INN
CANDLEWOOD SUITES	CANDLEWOOD SUITES
CARLTON	CARLTON
CLARION	CLARION
COMFORT	COMFORT
COUNTRY INN, SUITES BY CARLSON	COUNTRY INN, SUITES BY CARLSON
COURTYARD BY MARRIOTT	COURTYARD BY MARRIOTT
CROWNE PLAZA	CROWNE PLAZA
DAYS INN	DAYS INN
DOUBLETREE	DOUBLETREE
DRURY INN	DRURY INN
ECONO LODGE	ECONO LODGE
ECONOMY INN	ECONOMY INN
EMBASSY SUITES	EMBASSY SUITES
EXECUTIVE INN	EXECUTIVE INN
EXTENDED STAYAMERICA	EXTENDED STAYAMERICA
FAIRFIELD INN BY MARRIOTT	FAIRFIELD INN BY MARRIOTT
FOUR POINTS	FOUR POINTS
FOUR SEASONS	FOUR SEASONS
HAMPTON INN	HAMPTON INN
HAWTHORN	HAWTHORN
HILTON	HILTON

HOLIDAY INN	HOLIDAY INN
HOLIDAY INN EXPRESS	HOLIDAY INN EXPRESS
HOMESTEAD VILLAGE	HOMESTEAD VILLAGE
HOMEWOOD SUITES	HOMEWOOD SUITES
HOWARD JOHNSON	HOWARD JOHNSON
HYATT	HYATT
KNIGHTS INN	KNIGHTS INN
LA QUINTA INN	LA QUINTA INN
LA QUINTA INN & SUITES	LA QUINTA INN and SUITES
LOEWS HOTEL	LOEWS HOTEL
MARRIOTT	MARRIOTT
MICROTEL	MICROTEL
MOTEL 6	MOTEL 6
NOVOTEL	NOVOTEL
QUALITY	QUALITY
RADISSON	RADISSON
RAMADA	RAMADA
RED CARPET INN	RED CARPET INN
RED ROOF INN	RED ROOF INN
REGAL	REGAL
RELAIS & CHÂTEAUX	RELAIS and CHÂTEAUX
RESIDENCE INN	RESIDENCE INN
RITZ-CARLTON	RITZ-CARLTON
RODEWAY INN	RODEWAY INN
SCOTTISH INN	SCOTTISH INN

SHERATON	SHERATON
SHONEY'S INN	SHONEY'S INN
SLEEP INN	SLEEP INN
SOFITEL	SOFITEL
STAYBRIDGE SUITES	STAYBRIDGE SUITES
STUDIOPLUS	STUDIOPLUS
SUPER 8	SUPER 8
TRAVEL INN	TRAVEL INN
TRAVELERS INN	TRAVELERS INN
TRAVELODGE	TRAVELODGE
TRAVELODGE CANADA	TRAVELODGE CANADA
WALT DISNEY WORLD RESORT	WALT DISNEY WORLD RESORT
WESTIN	WESTIN
WYNDHAM	WYNDHAM

BUSINESS SERVICE

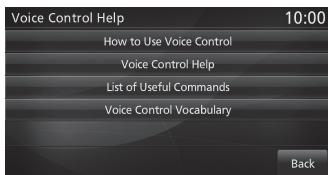
ATTORNEY	ATTORNEY
BUSINESS SVC.	BUSINESS SERVICE
CHECK CASHING SERVICE	CHECK CASHING SERVICE
CLEAN. & LAUND.	CLEANING and LAUNDRY
	CLEANING
	LAUNDRY
COMMUNICATION (NON-TELEPHONE)	COMMUNICATION
DENTIST	DENTIST
FUNERAL DIRECT.	FUNERAL DIRECTOR

OTHER GENERAL MERCHANDISE	OTHER GENERAL MERCHANDISE
	GENERAL MERCHANDISE
HAIR & BEAUTY	HAIR and BEAUTY
HEALTH CLUB	HEALTH CLUB
HORSE RACE TRACK	HORSE RACE TRACK
LOCAL TRANSIT	LOCAL TRANSIT
MONEY TRANSFERRING SERVICE	MONEY TRANSFERRING SERVICE
MOVER	MOVER
OPTICAL	OPTICAL
PHOTOGRAPHY	PHOTOGRAPHY
REAL ESTATE AGENT	REAL ESTATE AGENT
REPAIR SERVICE	REPAIR SERVICE
RETIREMENT/ NURSING HOME	RETIREMENT HOME
	NURSING HOME
SOCIAL SERVICE	SOCIAL SERVICE
STORAGE	STORAGE
TAILOR & ALTERATION	TAILOR and ALTERATION
TELEPHONE SERVICE	TELEPHONE SERVICE
UTILITIES	UTILITIES
VIDEO & GAME RENTAL	VIDEO and GAME RENTAL
	VIDEO RENTAL
	GAME RENTAL
WASTE/SANITARY	WASTE
	SANITARY

Check the Voice Control Help

You can check the usage for voice control (P167), a list of voice commands, etc.

- 1 Press the **INFO** key or touch **Voice Control Help** .



Then, touch any menu item and check the operation method.

Verifiable Information

How to use voice control	This explains the operations common to all voice control operations.
voice control help	This explains the voice control operations for individual functions.
List of useful commands	This explains commands that it is useful to memorize, giving examples of each function.
voice control vocabulary	This explains the commands that can be executed with voice control operations for each function.

SETTINGS

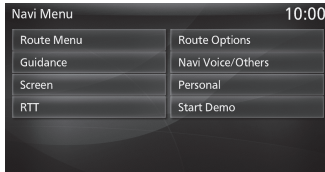
Navi Settings

This changes the settings concerning navigation.

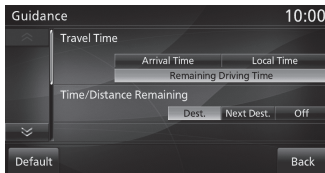
1 Press the **NAVI MENU key.**

This displays the navi menu.

2 Touch the “type” to change.



3 Change the settings.



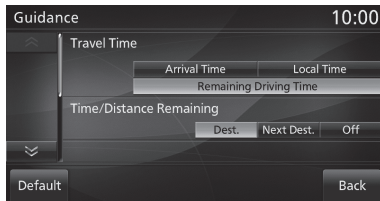
The setting change is complete.

Types That Can Be Set

Guidance	Allows you to set up the guidance display. → “Guidance”(P197)
Screen	Allows you to set up the navigation display. → “Screen”(P199)
RTT	You can make the settings concerning RTT. → “RTT Options” (P202)
Route Options	Allows you to set up the default values for route search conditions. → “Route Options”(P203)
Navi Voice/ Others	Allows you to set up the navigation audio guidance. Also allows you to check vehicle signals. → “Navi Voice/Others”(P204)
Personal	Allows you to manage address book, home location, and other information. → “Personal”(P206)

Guidance

You can change the settings for the guidance display.



Settings name	Settings value	Settings content
Travel Time	Arrival Time	Sets the arrival time as the display method for the time of arrival at the destination.
	Local Time	Sets the local time as the display method for the time of arrival at the destination.
	Remaining Driving Time	Sets the time remaining as the display method for the time of arrival at the destination.
Time/Distance Remaining	Dest.	Sets the time remaining to reach the destination as the display method for the time remaining.
	Next Dest.	Sets the time remaining to reach the transit point as the display method for the time remaining.
	Off	The time remaining is not displayed.
Route Guidance Frequency	Max	Allows you to set the frequency for the audio guidance and guide map for route guidance.
	Normal	
	Min	
	No Guidance	
POI Icons on Guidance Map	On	Enables/disables display of POI icons on guidance maps.
	Off	
Curve Guidance	On	Enables/disables curve guidance icon display and audio guidance.
	Off	
Intersection Guidance Map	Display	Enables/disables automatic display of the guidance map.
	Not Display	

Continued on the next page

Settings name	Settings value	Settings content
	Default	Returns the guidance to their factory default settings.

NOTE

- **“Intersection Guidance Map”** may not be displayed.

Screen

You can change the settings for the display.



Settings name	Settings value	Settings content
3D Bldg.	Show	Enables/disables display of buildings in 3D (P36) display.
	Hide	
3D Polygon Landmark	Show	Enables/disables display of 3D polygon landmark when displaying a map screen in 3D.
	Hide	
3D Landmark	Show	Enables/disables display of 3D landmarks.
	Hide	
POI Icons on Map	Show All	Allows you to set whether or not to display all POI icons on the map.
	Hide All	
	Select	Enables/disables display of each POI icon type. → "POI Icons on Map" (P201)
3D Scroll	3D	Allows you to set the display state for scrolling during 3D (P36) display.
	2D	
2 Screen Scroll	2 Screens	Allows you to set the display state for scrolling during two-map (P34) display.
	1 Screen	
Day&Night Colour		Displays the settings content for map screen colors according to the vehicle lighting state.
Map Colour	Change	Allows you to set the display colors for the map screen. → "Map Color" (P201)
Character Size	Normal	Allows you to set the size of characters displayed on the map screen.
	Big	

Continued on the next page

Settings name	Settings value	Settings content
Freeway Simplified Map Automatic Display	Display	Allows you to set whether or not to automatically display Freeway Info (P35) when traveling on a freeway.
	Not Display	
Current Street Name	On	Enables/disables display of the name of the current location.
	Off	
Address Book Names	On	Enables/disables display of the Address book name.
	Off	
Lane Information	On	Enables/disables display of lane information displayed on the map screen.
	Off	
Route Tracking	On	Enables/disables display of route tracking displayed on the map. (Even when it is set not to be displayed, the route tracking information is stored.)
	Off	
	Erase	Clears the stored route tracking information for your car.
Searched Route	Arrow	Allows you to change the method route guidance marks (P30) are displayed.
	Line	
AV Icon	Show	Allows you to set whether or not to display the AV icons (audio status icons) displayed on the map screen.
	Hide	
Mobile Phone Icon	Show	Allows you to set whether or not to display the telephone icon displayed on the map screen.
	Hide	
Speed Indicator	On	Enables/disables display of the speed indicator.
	Off	
Change 3D point of view	Change	Allows you to change the 3D (P36) point of view. →“Change 3D point of view”(P201)
	Default	Returns the screen options settings to their factory default settings.

NOTE

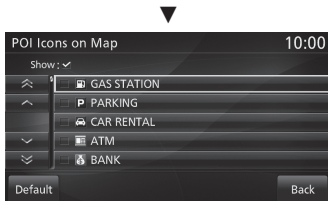
- **“3D Landmark”** is may not be displayed.

* For some vehicle types, the screen is set to Daytime if the meter is at its maximum brightness level.

POI Icons on Map

You can enable/disable display of each POI icon type.

- 1 Press the **NAVI MENU** key.
This displays the navi menu.
- 2 Touch **Screen** .
- 3 On “POI Icons on Map”, touch **Select** , and then **▶** .
- 4 For the icon you want to display, touch .



Selection of the POI icons to display is complete.

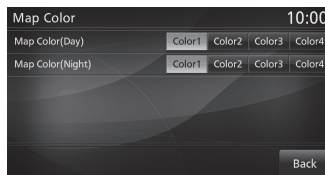
ADVICE

- When [+] is displayed on the side of the list, if you touch [+], you can selected icons in greater detail.
- Touching [Default] returns to the factory default settings.

Map Color

You can set the display colors for the map screen.



- 1 Press the **NAVI MENU** key.
This displays the navi menu.
- 2 Touch **Screen** .
- 3 Touch **Change** in “Map Color”.
- 4 Touch the “color” for each item.



The map screen color setting is complete.

Change 3D point of view

You can change the 3D (*P36*) point of view.

- 1 Press the **NAVI MENU** key.
This displays the navi menu.
- 2 Touch **Screen** .
- 3 Touch **Change** in “Change 3D point of view”.
- 4 Touch  or  to adjust the angle.



The change in the point of view is complete.

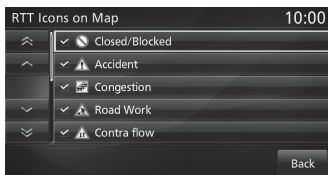
RTT Options

You can make the settings concerning RTT.

RTT Icons on Map

You can enable/disable display of each RTT Event Icon (P78).

- 1 Press the **NAVI MENU** key.
This displays the navi menu.
- 2 Touch **RTT** .
- 3 On the “RTT Icons on Map”, touch **Select** , and then **▶** .
- 4 For the icon you want to display, touch .

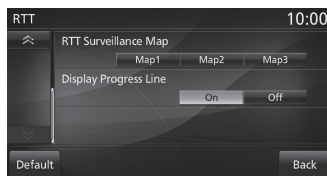


Selection of the RTT Event Icons to display is complete.

RTT Surveillance Map

Displays the registered area using “Registering the RTT Surveillance Map” (P80).

- 1 Press the **NAVI MENU** key.
This displays the navi menu.
- 2 Touch **RTT** .
- 3 Touch **Map1** - **Map3** in “RTT Surveillance Map”.



This displays a map of the surroundings for the registered establishment.

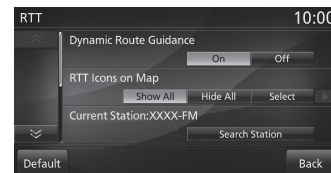
ADVICE

- Touching RTT icon allows you to check the detailed information.

Selecting the Current Station

Select a station to receive RTT messages.

- 1 Press the **NAVI MENU** key.
This displays the navi menu.
- 2 Touch **RTT** .
- 3 Touch **Search Station** in “Current Station”.



Receivable broadcast stations are listed in order of highest reception sensitivity.

- 4 Touch **Back** .

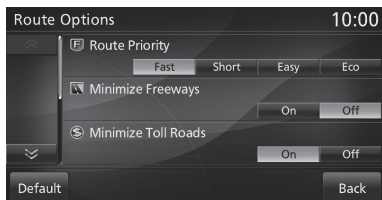
The Current Station setting is complete.

NOTE

- [Search Station] may change to [Select a Station] depending on the model.

Route Options

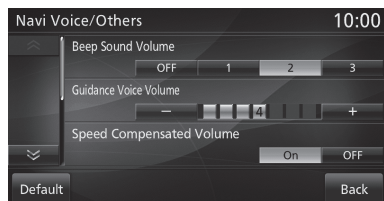
You can change the settings concerning route searches.



Settings name	Settings value	Settings content
Route Priority	Fast	Searches for the route with the shortest driving time (earliest arrival at the destination) by using freeways and major roads.
	Short	Searches for the route with the shortest distance on the map.
	Easy	Searches for the route that is easiest to drive with the fewest turns.
	Eco	Based on the "Short" route, searches for a route giving priority to freeways and the like in order to save fuel.
Minimize Freeways	On	Allows you to set whether or not to use freeways. Touching [On] will calculate the route avoiding the use of freeways as much as possible.
	Off	
Minimize Toll Roads	On	Allows you to set whether or not to use toll roads. Touching [On] will calculate the route avoiding the use of toll roads as much as possible.
	Off	
Minimize Ferries	On	Allows you to set whether or not to use ferries. Touching [On] will calculate the route avoiding the use of ferries as much as possible.
	Off	
Avoid Selected Areas	On	Allows you to set whether or not to use areas set as Avoid Areas. Touching [On] will calculate the route using areas set as Avoid Areas (P66).
	Off	
Default		Returns the route options settings to their factory default settings.

Navi Voice/Others

You can set the settings for the volume and other settings.



Settings name	Settings value	Settings content
Beep Sound Volume	OFF	Allows you to set the operation volume. The larger the number, the higher the volume. [Off] mutes the operation sound.
	1~3	
Guidance Voice Volume	+	Allows you to set the volume for audio guidance etc. The larger the number, the higher the volume. [Off] mutes the operation sound.
	-	
Speed Compensated Volume	ON	Enables/disables the function for adjusting the volume automatically according to the vehicle speed.
	OFF	
Sensor Calibration	Enter	Deletes the speed sensor and gyro sensor automatic learning information. →“Sensor Calibration”(P205)

Sensor Calibration

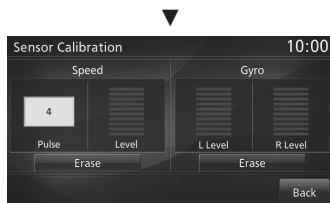
The levels for the speed sensor and gyro sensor are raised through automatic learning. When a tire is replaced, it is necessary to erase the speed learning data and relearn it.

1 Press the **NAVI MENU** key.

This displays the navi menu.

2 Touch **Navi Voice/Others** .

3 Touch **Enter** in “Sensor Calibration”.



This displays the sensor correction status screen.

4 Touch **Erase** in “Speed” or “Gyro”.

5 Touch **Yes** .

The sensor learning data deletion is complete. Then, check “Precision of Your Car’s Location and Automatic Correction”(P205) and correct.

CAUTION

- Deleted data cannot be restored.

Precision of Your Car’s Location and Automatic Correction

- When sensor learning data has been deleted, you can drive at a constant speed for a while some place with a good view and make left and right turns at junctions to speed up the speed and gyro automatic learning.
- When you drive at a constant speed on a straight road with good GPS reception, the automatic speed correction operates and when you repeatedly turn left and right at junctions, the gyro automatic correction operates. The operation of the automatic speed and gyro learning gradually improves the precision of your car’s location.

ADVICE

- In some cases, you may need to drive a few hours before the precision of your car’s location stabilizes. Driving somewhere with a good view, such as a freeway, makes it easier for the automatic correction to work.

Personal

You can register, edit, and delete locates in the address book, your home, frequently used locations, etc.





Settings name	Settings value	Settings content
Address Book	New	Allows you to register a new location. After you touch [New], the procedure is the same as in Step 2 in <i>“Register a Searched for Location”</i> (P72).
	Edit	Edits registered information. The procedure is the same as in <i>“Change Address Book Information”</i> (P74).
	Delete	Deletes registered information. The procedure is the same as in <i>“Delete an Address from the Address Book”</i> (P73).
Home Location	New	Allows you to register a home location. If another location is already registered, you must delete the old one first before registering a new home location. After you touch [New], the procedure is the same as in Step 5 in <i>“Register a Home Location”</i> (P68).
	Edit	Edits registered information. The procedure is the same as in <i>“Change the Home Location”</i> (P69).
	Delete	Deletes registered information. The procedure is the same as in <i>“Erase Your Home Registration”</i> (P69).
Special Location	New	Allows you to register frequently used locations. After you touch [New], the procedure is the same as in Step 5 in <i>“Set a Frequently Used Location in the Address Book”</i> (P70).
	Edit	Edits registered information. The procedure is the same as in <i>“Change a Frequently Used Location”</i> (P71).
	Delete	Deletes registered information. The procedure is the same as in <i>“Delete a Frequently Used Location”</i> (P71).
My Categories	Edit	Registers a frequently used establishment category in “My Categories”. After you touch [Edit], the procedure is the same as in Step 4 in <i>“Editing My Categories”</i> (P52).

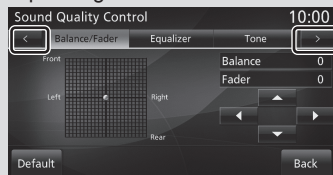
Adjust Audio Sound Quality

Change audio quality settings.

NOTE

- You cannot adjust the sound quality when the audio is OFF.
- You can also display the sound quality setting screen by pressing the [SOUND] key.
- You can also switch the setting menu by touching  and  to the left or right.

This function may not be available depending on the model.



- [Sound Quality Control] may not be displayed in the SETTINGS Menu depending on the model. If it is not displayed, press the [SOUND] key.

vehicles with and without premium amp

Balance/Fader

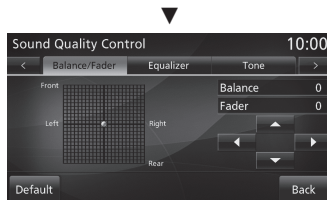
The level of the sound output from each speaker can be adjusted with the cursor switches.

1 Press the **SETTINGS** key.

This displays the settings menu.

2 Touch **Sound Quality Control** .

3 Touch **Balance/Fader** .



4 Touch or to adjust the balance.

You can set L11 to L1, 0, or R1 to R11.

5 Touch or to adjust the fader.

You can set F11 to F1, 0, or R1 to R11.

The balance/fader adjustment is complete.

ADVICE

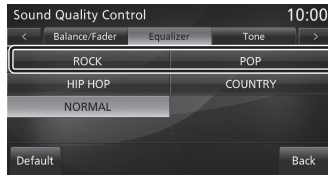
- Touching [Default] returns all the sound quality adjustments to their factory default settings.

vehicles with and without premium amp

Equalizer Settings

Allows you to set the sound type.

- 1 Press the **SETTINGS** key.
This displays the settings menu.
- 2 Touch **Sound Quality Control** .
- 3 Touch **Equalizer** .
- 4 Touch the sound “type”.



ADVICE

- Touching [Default] returns all the sound quality adjustments to their factory default settings.

NOTE

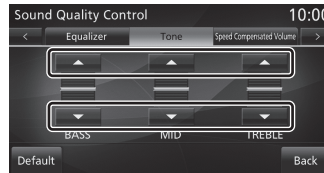
- The setting screen differs depending on the model.



Tone Settings

Allows you to set the level of each sound quality.

- 1 Press the **SETTINGS** key.
This displays the settings menu.
- 2 Touch **Sound Quality Control** .
- 3 Touch **Tone** .
- 4 Touch **▲** or **▼** to adjust the level of each sound quality.



The Tone setting is complete.

ADVICE

- Touching [Default] returns all the sound quality adjustments to their factory default settings.

NOTE

- If your car is equipped with premium audio, you can set the “Punch” level. You can set one of 7 levels from 0 to 6.
- The setting screen differs depending on the model.
If [Tone] is not displayed, touch [Equalizer].



Setting Contents

BASS	Allows you to set the bass to one of 11 levels, from -5 to +5.
MID	Allows you to set the medium tone to one of 11 levels, from -5 to +5.
TREBLE	Allows you to set the treble to one of 11 levels, from -5 to +5.

vehicles equipped with premium amp

Surround Settings

You can set the surround and sound field center.

- 1 Press the **SETTINGS** key. This displays the settings menu.
- 2 Touch **Sound Quality Control** .
- 3 Touch **Acoustics Setting** .
- 4 Touch the surround “type”.

To not set surround, touch [OFF].



- 5 Touch the “sound field type” to set.



The surround settings are complete.

ADVICE

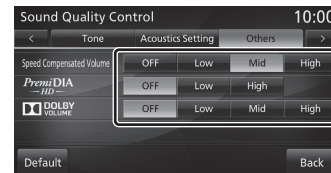
- Touching [Default] returns all the sound quality adjustments to their factory default settings.

Other Settings

The settings are different for vehicles with and without premium audio.

vehicles equipped with premium amp

- 1 Press the **SETTINGS** key. This displays the settings menu.
- 2 Touch **Sound Quality Control** .
- 3 Touch **Others** .
- 4 Touch “setting” for the item to set.



The setting changes are complete.

ADVICE

- Touching [Default] returns all the sound quality adjustments to their factory default settings.

Setting Contents

Speed Compensated Volume	Sets the levels for when the volume is adjusted automatically according to the vehicle speed.
PremiDIA HD ^{1,2,3}	Allows you to adjust the amount of compensation for reproducing the feeling of solidity and depth of the original sound by forecasting and supplementing for the high-pass audio information lost during audio data compression. * There is also an effect for non-compressed sound sources.
DOLBY VOLUME ²	Allows you to select the level for the automatic real-time adjustment function, which provides the same output levels for the different volumes of different sources and songs.

*1 This is also effective for non-compressed sound sources.

*2 This is disabled when the audio source is radio.

*3 “DTS Neural” and “PremiDIA HD” cannot be set at the same time.

ADVICE

- If you feel that the Dolby volume effect does not match the image of the music being played back, switch it OFF.

vehicles not equipped with premium amp

- 1 Press the **SETTINGS** key.**
This displays the settings menu.
- 2 Touch **Sound Quality Control** .**
- 3 Touch **Speed Compensated Volume** .**
You can set the levels for when the volume is adjusted automatically according to the vehicle speed.
- 4 Touch “setting”.**



The setting change is complete.

System Settings

You can make system related settings, such as the time, language, units, and Bluetooth device.

Time

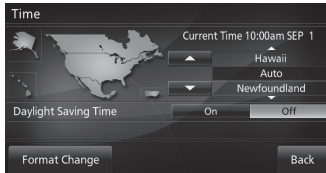
This changes the standard time settings and date and time display format.

1 Press the **SETTINGS** key.

This displays the settings menu.

2 Touch **System**, and then

Time.



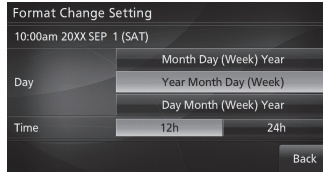
You can make the settings concerning the time.

Time zone area	You can make settings for the region. [Newfoundland], [Atlantic], [Puerto Rico], [Eastern], [Central], [Mountain], [Pacific], [Alaska], [Hawaii], [Auto]
Daylight Saving Time	Sets whether or not to adjust for summer time.

3 Touch **Format Change**.

You can set the date and time display format.

4 Touch the “date and time display format” to set.



5 Touch **12h** or **24h** in “Time”.

The time settings are complete.

Language

This changes the language used.

1 Press the **SETTINGS** key.

This displays the settings menu.

2 Touch **System**, and then

Language.

3 Touch the language to change to.



The language change is complete.

Opening Setting

Enables/disables the opening animation. Disabling the opening animation makes startup faster.

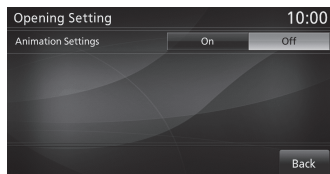
This function may not be available depending on the model.

1 Press the **SETTINGS key.**

This displays the settings menu.

2 Touch **System , and then **Opening Setting** .**

3 Touch **On or **Off** .**



The opening animation setting is complete.

A/C Cut-in

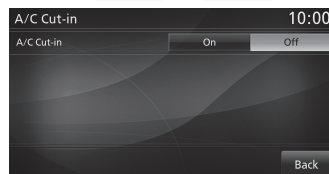
This sets whether or not to display an interrupt for air conditioner operations. (Only on vehicles that support this function)

1 Press the **SETTINGS key.**

This displays the settings menu.

2 Touch **System , and then **A/C Cut-in** .**

3 Touch **On or **Off** .**



The interrupt display setting is complete.

Units

This changes the unit.

1 Press the **SETTINGS key.**

This displays the settings menu.

2 Touch **System , and then **Units** .**

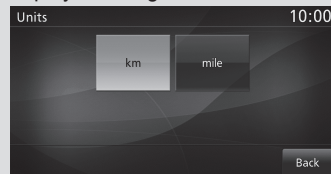
3 Touch the “unit” to change.



The unit change is complete.

NOTE

- For some vehicle types, only the distance display is changed.



Equipment by type

(Vehicles with a Bluetooth® 2.0 interface).

Bluetooth Setting

You can use the Bluetooth function to connect any commercially-available Bluetooth device to this product.

What Bluetooth is

Bluetooth is a wireless communications standard specialized for connecting devices over short distances (a few meters or less).

NOTE

- This product supports Ver. 2.0 + EDR.

Supported profiles

Bluetooth AUDIO	A2DP(v1.0) AVRCP(v1.3)
Hands-free	HFP(v1.5)
Phonebook transfer	OPP(v1.1) PBAP(v1.0)

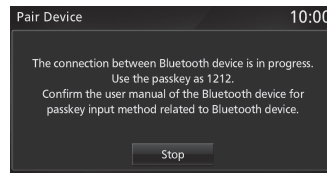
NOTE

- This function can be used on vehicles equipped with a Bluetooth® 2.0 interface.
- Cancel functions such as the mobile phone "dial lock", and connect while on the standby screen.
- While connected, operations on the Bluetooth device (receiving calls, etc.) may not function correctly.
- For details on how to enter the passkey for your Bluetooth device, refer to its user manual.
- The connection fails sometimes. Register again.
- Depending on the distance between this product and your Bluetooth device, the conditions within the vehicle, and types of screening, connection may not be possible. In this case, put your Bluetooth as close as possible to this product.
- Even though a device is Bluetooth-capable, its characteristics and specifications may mean that correct operation is not possible.
- Some Bluetooth devices cannot be connected.
- Depending on the Bluetooth device, connecting may take some time.
- Up to 7 Bluetooth devices can be registered.
If 7 devices are already registered, you must delete one before you can register a new Bluetooth device.

Registering a Bluetooth Device

Register a Bluetooth device with this product.

- 1 Press the **SETTINGS** key.
This displays the settings menu.
- 2 Touch **System**.
- 3 Touch **Pairing**.
- 4 Touch **Pair Device**.
- 5 Enter the pass key displayed on the screen into the Bluetooth device.



When the connection is complete, the Bluetooth and signal strength icons are displayed.

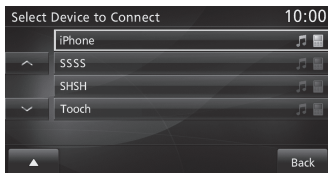
NOTE

[Pair Device] may change to [Register Device] depending on the model.

Selecting a Bluetooth Device

If you have registered multiple Bluetooth devices, you must select the one to connect. (From then on, the Bluetooth device you set with this function is connected by you just bringing it into the vehicle.)

- 1 Press the **SETTINGS** key.
This displays the settings menu.
- 2 Touch **System** .
- 3 Touch **Pairing** .
- 4 Touch **Select Device to Connect** .
- 5 Touch the “device name” to connect.



- 6 Touch **Connect Telephone** or **Connect Audio** .

For hands-free operation of the Bluetooth device to connect, select [Connect Telephone], to use for Bluetooth audio, select [Connect Audio].

- 7 Touch **Connect** .



This completes selection of the Bluetooth device.

ADVICE

- If the Bluetooth device is capable of both hands-free and Bluetooth audio operation, you can make the selection for one device. In this case, the display is as follows.



Setting a Passkey

This sets whether to keep the same passkey (factory setting “1212”) or to set a different passkey each time is registered.

- 1 Press the **SETTINGS** key.
This displays the settings menu.
- 2 Touch **System** .
- 3 Touch **Pairing** .
- 4 Touch **Set Passkey** .
- 5 Touch **Fixed** or **Random** .

ADVICE

- If random is selected, no passkey input screen is displayed.

- 6 Enter any four-digit passkey, then touch **Enter** .



The passkey setting is complete.

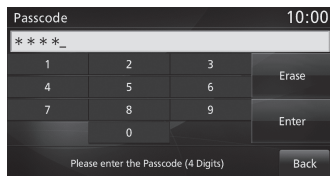
ADVICE

- If a passkey has already been set, touch [Erase] and delete the passkey, then input the new one.

Set Passcode

You can lock the telephone functions with a passcode.

- 1 Press the **SETTINGS** key.
This displays the settings menu.
- 2 Touch **System** .
- 3 Touch **Pairing** .
- 4 Touch **Set Passcode** .
- 5 Input any “four-digit passcode”, then touch **Enter** .

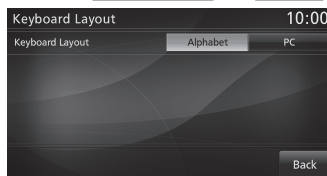


The passcode setting is complete.

Keyboard Layout

This changes the keyboard layout.

- 1 Press the **SETTINGS** key.
This displays the settings menu.
- 2 Touch **System** .
- 3 Touch **Keyboard Layout** .
- 4 Touch **Alphabet** or **PC** .

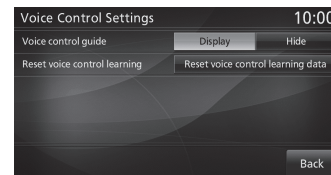


The layout change is complete.

Voice control settings

Allows you to enable or disable the voice control guide and reset training data.

- 1 Press the **SETTINGS** key.
This displays the settings menu.
- 2 Touch **System** .
- 3 Touch **Voice control settings** .
- 4 Change the settings, then touch **Back** .



The setting change is complete.

Other Settings

You can make the settings concerning the screen and sound volume.

Display Off

This deletes the screen display.

1 Press the **SETTINGS key.**

This displays the settings menu.

2 Touch **Display Off .**



This deletes the screen display.

ADVICE

- To display it again, touch the screen or press the [DEST], [INFO], [AUDIO], [MAP], [NAVI MENU], [SETTINGS], [MODE], or [SOUND] key.
- Hold down the [PWR/VOL] key to turn off the audio function and disable the screen display.
This function may not operate depending on the model.

Picture Control

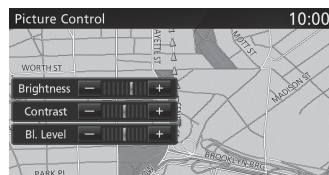
This adjusts the brightness, contrast, etc., for the menu screen, navigation screen, etc.

1 Press the **SETTINGS key.**

This displays the settings menu.

2 Touch **Picture Control .**

3 Adjust items.



Settings name	Settings content
Brightness	Adjusts the brightness. Touching [+] makes the display brighter, touching [-] makes it dimmer. Allows you to adjust continuously by continuing the touch.
Contrast	Adjusts the contrast. Touching [+] increases the contrast, touching [-] decreases it. Allows you to adjust continuously by continuing the touch.
Black Level	Adjusts the black level. Touching [+] increases the black level, touching [-] decreases it. Allows you to adjust continuously by continuing the touch.

Vehicle Settings

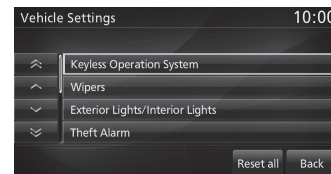
You can make settings for the vehicle equipment.(Only on vehicles that support this function)

1 Press the **SETTINGS key.**

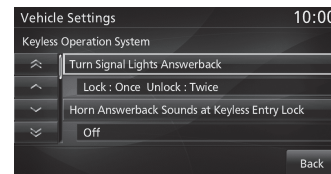
This displays the settings menu.

2 Touch **Vehicle Settings .**

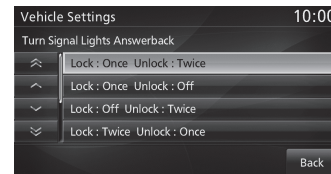
3 Touch the “name of the equipment” to set.



4 Touch the “item” to change.



5 Touch the “set value”.



The vehicle equipment setting is complete.

Items That Can Be Set

NOTE

- * are items that may not be displayed, depending on the supporting vehicle specifications.
- Either “Keyless Entry System” or “Keyless Operation System” is displayed, depending on the vehicle equipment.

Keyless Entry System

Item	Settings content
Turn Signal Lights Answerback	Sets the number of times the lights flash for locking and unlocking.
Horn Answerback at Remote Lock	Sets the sound (from the horn) for locking.
Duration of Horn Answerback	Sets the duration of the sound (from the horn) for locking.
Multi Mode Keyless Entry System*	Sets power window and door mirror operation.

Keyless Operation System

Item	Settings content
Turn Signal Lights Answerback	Sets the number of times the lights flash for locking and unlocking.
Horn Answerback at Remote Lock	Sets the sound (from the horn) for locking.
Duration of Horn Answerback Sounds	Sets the duration of the sound (from the horn) for locking.
Multi Mode Keyless Operation System*	Sets power window and door mirror operation.
Keyless Operation Answerback Beep	Sets the beep sound for locking and unlocking.
Time for Remote Unlock Inactivation after Locking	Sets the duration you must wait after locking before unlocking again.

Wipers

Item	Settings content
Windshield Wipers Intermittent Operation	Sets the operation interval for the windshield wipers. * Some setting items are disabled for certain grades and vehicle models.
Wipers Linked to Washer	Sets automatic operation of the windshield wipers when the washer fluid is sprayed.
Intelligent Washer	Enables/disables the automatic cleaning function, which automatically operates the windshield wipers while spraying the washer fluid intermittently for a certain period of time.
Rear Wiper Intermittent Interval	Sets the operation interval for the rear wipers.
Rear Wiper Activated when in Reverse	Sets automatic operation of the rear wipers when the selector lever is moved to the R (reverse) position.

Exterior Lights/Interior Lights

Item	Settings content
Headlight Auto-Off	Sets the function that automatically puts out the headlights if they are ON and the driver switches OFF the engine and opens the locked door in order to exit the vehicle.
Sensitivity for Auto Headlight On Timing	Sets the function that automatically switches ON the headlights when it becomes dark outside.
Headlight Timeout when exiting Vehicle	Sets the duration the headlights stay ON after the driver exits the vehicle.
Exterior Lights ON with Remote Unlock	Sets the function that switches ON the lights when the remote control Unlock button is pressed.
Interior Light Timeout	Sets the duration the passenger compartment lights stays ON when the engine is switched OFF with the passenger compartment lights ON.
Interior Light Timeout after Door is Closed	Sets duration the passenger compartment stays ON after the doors are closed.
Charging Lid Light Auto cut-out	Sets the lighting duration for the charging lid light.

Theft Alarm

Item	Settings content
Panic Alarm	Enables/disables the panic alarm.

Turn Signal

Item	Settings content
Operation in Key Position	Sets the turn signal operation conditions.
Lane-change Signals (Flash 3 Times with 1 Touch)	Enables/disables the function that flashes three times if you gently operate the direction indicator lever when changing lanes.
Activation Time for Lane-change Signals	Sets the operating time for the direction indicator lever to trigger the lane-change signal (flash 3 times for 1 touch) function.

Power Door Locks

Item	Settings content
Automatic Relock after Unlocked by Remote	Sets the duration the door stays unlocked after it is unlocked with keyless entry or the keyless operation key.
Automatic Unlock	Sets automatic door unlocking.

Air Conditioner

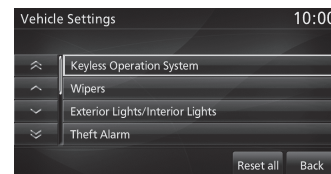
Item	Settings content
Recirculation Control	Enables/disables the function that automatically switches between recirculate and refresh mode.
A/C Switch Control	Sets the A/C switch to Auto or Manual.
Eco Mode	Allows you to set Eco Mode.(Vehicles with Eco switch)
Foot / Defroster Airflow Ratio	Sets the airflow for the feet and defroster.
Face / Foot Airflow Ratio	Sets the airflow for the upper body and the feet.
Automatic Rear Defrost at Engine Start	Sets whether or not the rear defrost is operated when the engine is started.

Others

Item	Settings content
Horn Answerback with Remote Engine Start	Enables/disables the function that sounds the horn when the engine is started with the remote controller.
Accessory Power Timeout	Sets the duration ACC stays ON when the ignition switch is ACC.

Reset the Vehicle Settings

1 Execute up to Step 2 in “*Vehicle Settings*”(P216).



2 Touch **Reset all** .

3 Touch **Yes** .

The resetting of equipment setting is complete.

Clock Screen

Displays the clock over the entire screen.

1 Press the **SETTINGS** key.

This displays the settings menu.

2 Touch **Clock Screen** .



The clock is displayed.

ADVICE

- Touching the screen returns the display to the original screen.
- With [System Setting], [Time], and [Format Change], you can change the format for time display.
→“System Settings”(P211)

Other

Troubleshooting

Please check these items if a message appears on the screen, or if you think something is not working properly.

If This Message Appears...

A message is displayed on the screen of this product according to the situation.

Navigation Functions

Message	Cause	Response
End of map coverage area.	The map was scrolled to an area for which there is no map data.	Scroll the map back to where there is data.
Scale will be changed.	The center of your car and cursor was moved from a location with a scale being set to a location without it. Or returned to a location where the scale is set.	-
No POI found.	A POI search was performed, but there is no POI in this product that matches the specified information.	Search using different conditions.
The program cannot be written to the map card. Check the map card that is in the map slot.	The map card is in the "Lock" state and cannot be written.	Take out the map card and unlock the "Lock".
Map data cannot be read. Check the map card that is in the map slot.	Map data cannot be read from the map card.	If the system does not recover after a few minutes, stop your vehicle in a safe location, then check if the MAP card is properly inserted. →"SD Cards"(P14) If this does not fix the problem, consult with your dealer.
	No map card is inserted into the map slot.	Insert the map card. →"Insert an SD Card"(P15)
	The map card has malfunctioned for some reason.	Consult with your dealer.

Audio Functions

Message	Cause	Response
Play is impossible due to a mechanism error.	The drive has malfunctioned for some reason.	Check that there is no problem with the disc, and insert the disc again. If the problem persists, consult with your dealer.
	The disc is damaged or warped.	Do not insert a damaged or warped disc.
Play is impossible due to low battery voltage.	The vehicle's battery voltage has dropped.	Check the battery.
Cannot be played. Check the disk.	A disc is inserted that cannot be played.	Insert a disc that can be played. →“Types of Disc That Can Be Played Back” (P86)
	The disc is inserted upside down.	Insert with the label side up.
	The disc has condensation on it.	Wait a while before inserting again.
	The disc is dirty.	Clean the read surface of the disc.
Play is impossible due to high temperatures.	The temperature inside the product is high.	Remove the disc, and wait for the internal temperature to return to normal.
This iPod cannot be played.	Authentication failed.	Reconnect your iPod.
	The connected iPod has an unsupported format and cannot be recognized.	Use an iPod that supports this product. (P8)
	This iPod software version is not correct.	Please use the latest version software.
This USB memory cannot be played.	Authentication failed.	Reconnect the USB device.
No data that can be played.	There are no audio files that can be played back.	Add audio files that can be played. →“Audio Files(MP3/WMA/AAC/WAV)”(P87)
	An iPod not containing any tracks has been connected.	Connect an iPod containing tracks.
Cannot be played.	Unsupported audio files have been played.	Confirm audio files that can be played. →“Audio Files(MP3/WMA/AAC/WAV)”(P87)
	Copyright protected files have been played.	Copyright protected files cannot be played. Use files that are not copyright protected.
	The audio file is corrupted.	Add uncorrupted audio files.
The SD card in the USER slot could not be written. Check the SD card.	The SD card in the user slot is in the “Lock” state and cannot be written.	Take out the SD card from the user slot and unlock the “Lock”.

If You Think Something Is Not Working Properly...

Here is a list of symptoms, causes and responses if you think something is not working properly.

Common

Symptoms	Cause	Response
The operation sound is not made.	The operation sound is set to [OFF].	Set the [Navi Voice/Others] "Beep Sound Volume" to [1] to [3]. → "Navi Voice/Others" (P204)
Nothing is displayed on the screen.	The screen is turned OFF.	Stop the vehicle in a safe location, apply the parking brakes, then perform the operation to turn the screen back ON (P216).
	The vehicle's battery voltage has dropped.	Charge or replace the battery.
	The temperature inside the product is high.	Please wait for the temperature to drop.
The monitor screen is dark.	The monitor brightness is not correctly adjusted.	Adjust the monitor brightness. → "Picture Control" (P216)
	The vehicle's lights are ON.	The factory default setting is that when the vehicle's lights are ON, the screen becomes dark. Press the * / C key and change this setting. → "Main Unit Panel" (P12)
	Day & night colors setting is "Set Night".	Press the * / C key and change this setting. → "Main Unit Panel" (P12)

Navigation Functions

Symptoms	Cause	Response
The navigation function does not start.	No map card is inserted.	Insert the map card. →“Insert an SD Card”(P15)
	The wrong SD card is inserted.	Insert the special map card.
	There is a problem with the radio signals from the GPS satellite.	Please go on for a little while in the GPS receiving state.
	The vehicle moved by ferry or the like.	
	The vehicle's direction was changed by a turntable in a parking garage or the like.	
	The speed learning level is low.	
	When this product is used for the first time, it takes a while to calculate the position of your car.	Wait in a location with a good view for a while.
	When this product has not been used for long time, it takes a while to calculate the position of your car.	
	A mirror type film or shade film that contains carbon is pasted onto the windshield near the GPS antenna.	
	Some other antenna is near the GPS antenna.	Check the position of the GPS antenna (P27) and if another antenna may be the cause of the problem, move that other antenna.
	There is something on the GPS antenna.	Check the position of the GPS antenna (P27) and if something on the GPS antenna may be the cause of the problem, remove it.
Immediately after the ignition switch is turned to ACC or ON, some functions cannot be used immediately after the map screen is displayed because data is being read in.	Please wait until the reading is completed.	
Menu operation is not possible.	Immediately after the ignition switch is turned to ACC or ON, some functions cannot be used immediately after the map screen is displayed because data is being read in.	Please wait until the reading is completed.
There is no audio guidance.	The audio guidance volume is “OFF”.	Set the [Navi Voice/Others] “Guidance Voice Volume” to [1] to [7]. →“Navi Voice/Others”(P204)
RTT messages cannot be received.	No RTT message has been received yet.	Wait in a location with a good view for a while.

Audio Functions

Symptoms	Cause	Response
There is no sound or quiet sound.	The volume is turned to its minimum.	Adjust the volume. → "Adjust Volume" (P81)
	The balance or fader is turned to one side.	Adjust the balance or fader. → "Balance/Fader" (P207)
	"Audio OFF".	Switch to "Audio ON". → "Switch Audio ON/OFF" (P81)
The disc cannot be played.	The disc is inserted upside down.	Insert with the label side up.
	The disc has condensation on it.	Wait a while before inserting.
	The disc is dirty.	Clean the read surface of the disc.

After the Car Battery Has Been Replaced

When the car battery is replaced, some of the memory contents are deleted.

Example: the set route

(The set destination and any waypoints are retained.)

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