NAVIGATION SYSTEM

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If necessary

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Rear View Monitor

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Bluetooth Hands-Free

Steering Switch

License

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Before Use

Accessories

Please contact an Authorized Mazda Dealer if you are missing any of the following accessories.

- Map Disc
- Owner's Manual

CAUTION:
THIS PRODUCT IS A CLASS I LASER PRODUCT. HOWEVER THIS PRODUCT USES A VISIBLE/INVISIBLE LASER BEAM WHICH COULD CAUSE HAZARDOUS RADIATION EXPOSURE IF DIRECTED.
BE SURE TO OPERATE THIS PRODUCT CORRECTLY AS INSTRUCTED.
USE OF CONTROLS OR ADJUSTMENTS OR PERFORMANCE OF PROCEDURES OTHER THAN THOSE SPECIFIED HEREIN MAY RESULT IN HAZARDOUS RADIATION EXPOSURE. DO NOT OPEN COVERS AND DO NOT REPAIR YOURSELF. REFER SERVICING TO QUALIFIED PERSONNEL.

Laser products:
Wave length: 650 nm
Laser power: No hazardous radiation is emitted with safety protection.

Memo

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Safety Information

n Read this owner's manual for your Navigation System carefully before using the system.
It contains instructions about how to use the system in a safe and effective manner.
Mazda assumes no responsibility for any problems resulting from failure to observe the instructions given in this manual.

n This manual uses pictographs to show you how to use the product safely and to alert you to potential dangers resulting from improper connections and operation. The meanings of the pictographs are explained below. It is important that you fully understand the pictographs and explanations in order to use this manual and the system properly.

Warning	**Warning**	The presence of this Warning symbol in the text is intended to alert you to the importance of heeding the operation instructions. Failure to heed the instructions may result in severe injury or death.

Warnings

n **Do not keep your eyes fixed on the monitor screen or operate the system while driving.**
Do not change the settings and destination locations while driving. Minimize the time spent on viewing the monitor screen and listening to the voice guidance while driving. Operating the system will distract the driver from looking ahead of the vehicle and can cause accidents. Always stop the vehicle in a safe location and use the parking brake before operating the system.

n **Always obey local traffic regulations.**
Your guided route may include roads that are not open to vehicles or are closed due to traffic regulations. Comply with the local traffic regulations and take another route.

n **Do not use the unit when it is out of order.**
If the unit is out of order (no image, no sound) or in an abnormal state (has foreign matter in it, is exposed to water, is smoking, or smells), then turn it off immediately and consult with an Expert dealer, we recommend an Authorized Mazda Dealer. Using the unit in an out-of-order condition may lead to accidents, fires, or electric shocks.

n **Use the proper power supply.**
This product is designed for operation with a negative grounded 12 V DC battery system.

n **Do not disassemble.**
Do not disassemble the product or attempt to repair it yourself. If the product needs to be repaired, take it to an Authorized dealer, we recommend an Authorized Mazda Dealer.

Caution	**Caution**	The presence of this Caution symbol in the text is intended to alert you to the importance of heeding the operation instructions. Failure to heed the instructions may result in injury or material damage.

Cautions

- **Do not use the product where it is exposed to water, moisture, or dust.**
  Exposure to water, moisture, or dust may lead to smoke, fire, or other damage to the unit. Make especially sure that the unit does not get wet in car washes or on rainy days.
- **Keep the voice guidance volume at an appropriate level.**
  Keep the volume level low enough to be aware of road and traffic conditions while driving.
- **Protect the Deck Mechanism.**
  Do not insert any foreign objects into the slot of this unit.
- **This navigation system is designed exclusively for use in automobiles.**
  This navigation system should only be installed in an automobile. Do not install it in a ship, aircraft, or any other vehicles except an automobile. Do not use it detached from the vehicle.
- **Do not insert or allow your hand or fingers to be caught in the unit.**
  To prevent injury, do not get your hand or fingers caught in moving parts or in the disc slot. Especially watch out for infants.

Operation is subject to the following two conditions;
(1) this device may not cause interference, and
(2) this device must accept any interference,
including interference that may cause undesired operation of the device.
This Category II radiocommunication device complies with Industry Canada Standard RSS-310.

Introduction

Use This Product Safety

n **Extremely low or high temperatures may interfere with normal operation**
The inside of the vehicle can become very hot or cold when it is parked for extended periods in direct sunlight or in cold places with the engine turned off. The navigation system may not operate normally under such circumstances. Turn off the navigation system until the inside of the vehicle has cooled down or warmed up. If the system does not operate thereafter, consult an Authorized Dealer, we recommend an Authorized Mazda Dealer.

Navigation System

This navigation system utilizes GPS* satellite signals, a speed sensor and gyrosensor to track and display your vehicle's current position, and to guide you from your starting point to your destination along a calculated route.

* : GPS (Global Positioning System) is a position detecting system utilizing the signals from GPS satellites deployed by the U.S. Defense Department.

Beep sound and voice guidance restrictions while using Bluetooth Hands-Free

The beep sound and voice guidance related to the navigation system operation are not heard while a Bluetooth Hands-Free is being used.

Screens

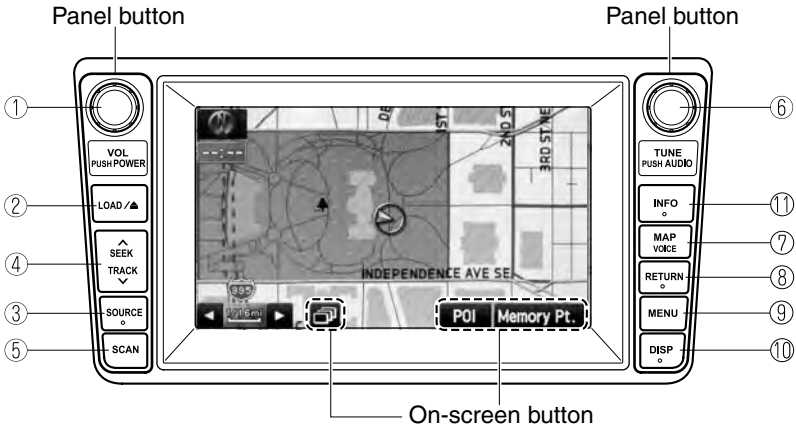
Screens displayed in this manual may differ from those on the actual display.

LCD (Liquid crystal display)

Direct sunlight or other outside light sources makes it difficult to view the images on the display. For moonroof-equipped vehicles, close the sunshade to better view the display.

Names and Functions

The navigation system can be operated by pressing a button on the panel (panel button) or selecting a button displayed on the screen (on-screen button).



① POWER/VOLUME dial: Turn the audio unit on/off by pressing the dial. The volume can be adjusted by turning the dial.

② LOAD/EJECT button: Load and Eject CD. If the display is left in the lowered position for a certain period of time, a beep sound is heard and the display closes automatically.

③ SOURCE button: Change the audio source.

- AM and FM on-screen buttons : FM/AM broadcast reception.
- DISC on-screen button : CD mode
- SAT on-screen button : Satellite radio
- AUX1 and AUX2 on-screen buttons : Image and Sound playback is possible using a portable audio player connected to an external input terminal.*1
  Sound playback is possible using an audio player connected to an external input terminal.*1
  AUX1: External sound
  AUX2: External image & sound (if equipped)
- iPod on-screen button: iPod mode
- BT-Audio on-screen button : BT-Audio mode

④ SEEK/TRACK button: Tune by pressing shortly and search by pressing long, in AM/FM mode. Performs track skip (short press) and fast-foward/reverse (long press) in CD mode.

⑤ SCAN button:	Performs scanning operation in FM/AM, CD and Satellite radio modes.
⑥ TUNE AUDIO dial:	The audio display screen can be switched on or off by pressing the dial. Turning the dial changes the radio station frequency.
⑦ MAP/VOICE button*2 :	Used to replay a voice navigation assist while in the navigation mode and to return to a map of the current location when the displayed area deviates from the current location by scrolling the screen.
⑧ RETURN button*2 :	Button used to return to the previous navigation screen.
⑨ MENU button*2 :	Menu screen display (various settings).
⑩ DISP button:	Screen brightness/contrast mode selection and adjustment display.
⑪ INFO button:	Changes the various indications on the information display.*3

*1 :The external input terminal is not equipped on your vehicle because it is not standard equipment.
*2 : For navigation unit operation
*3 : For details regarding the content and the operation displayed on the information display, refer to the Owner's Manual.

Note

- If there is no response after selecting the on-screen button, remove your finger from the screen and select it again.
- On-screen buttons that cannot be operated are not illuminated.

Caution

Select the on-screen button lightly with your finger.
Selecting the on-screen buttons using objects that have a hard or sharp end such as a ball point pen or mechanical pencil could cause a malfunction.

Route color, icon color

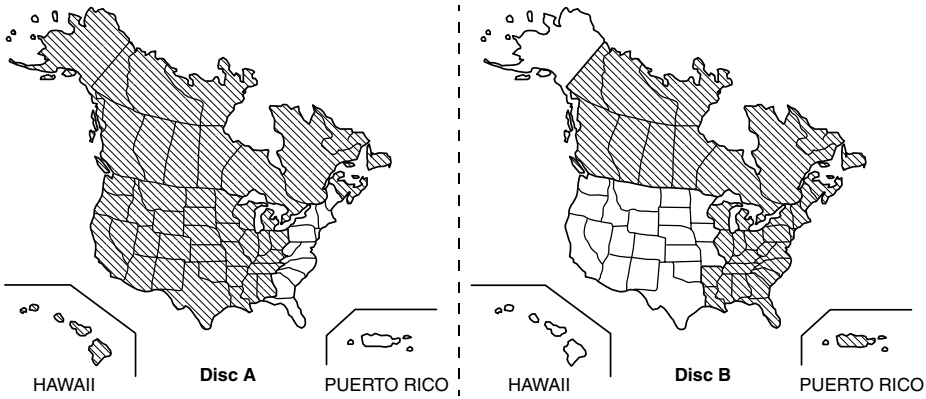
Freeway: green
Local road: yellow
Traffic jam track (closure): black
Traffic jam track (congestion rate high): red
Traffic jam line (congestion rate moderate): orange

Activation

Insert the map disc into the unit to start the Mobile Navigation System.

n Data coverage area of map disc

Regarding the data coverage area, refer to the case of the navigation map disc.



The following function data are recorded in each area disc.

- Point of Interest search
- Address search
- Intersection search
- Freeway On Ramp / Off Ramp search
- Phone Number search

Cautions

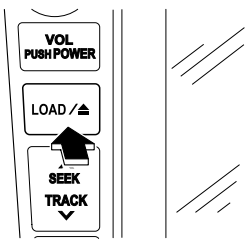
n **Map Disc**

- Refer to “Handling and Care of Map Discs” to know how to handle a map disc (☞ page 71).

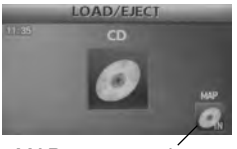
Note

- The map disc cannot be inserted or ejected while the ignition switch is in the OFF position.
- Remember that the battery can run down if the ignition switch is kept in the ACC or ON position for a long time while the engine not running.

1 **Switch the ignition to ACC or ON and press LOAD / ⏏.**

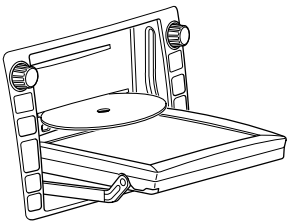


2 Select the MAP on-screen button to open the display.



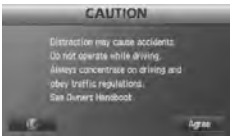
MAP on-screen button

3 Insert the map disc with the printed side facing up.



Note

- Condensation may form on the optical lens or the map disc inside the unit when the temperature in the vehicle increases in a short time such as when heating the car on a cold day. This condensation may cause malfunctions. If so, eject the map disc and do not operate the unit for approximately 1 hour. Wipe the condensation off the map disc with a soft cloth.
  If the unit does not operate correctly after 1 hour, consult an Authorised Mazda Dealer.

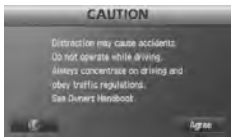


(CAUTION) screen

Note

- When the ignition switch is turned to the ACC or ON position from OFF position. The screen changes as shown above to activate the navigation system.
- The screen (audio or navigation) that was displayed prior to the engine being turned off is displayed. Before the navigation screen is displayed, the CAUTION screen will be displayed.

4 Read the CAUTION carefully, and select the Agree on-screen button.



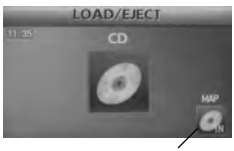
> **Caution**
> Most functions are inhibited while the vehicle is in motion.
> Please read the handbook for operation instructions.
> Always obey traffic regulations.

Note

- You can select the language by selecting the on-screen button. You can also change the selected language using Language Selection. (☞ page 20)
- The CAUTION screen remains on the display unless you select the Agree on-screen button.

Removing the Map Disc

Press the LOAD / ▲ and MAP on-screen button with the ignition switch in the ACC position.



MAP on-screen button

> **Caution**
> Do not get your hand or fingers caught in moving parts or in the disc slot. This can cause injuries. Children are inquisitive, try to install or remove the map disc without infants looking on.

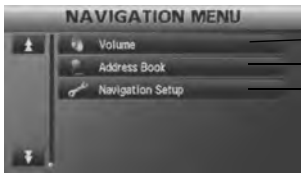
On-screen Buttons

Select the on-screen button lightly with your finger.
Colors for unavailable buttons will be pale.

Menu

Menu appears when pressing MENU.

- Destination Entry and Route Search (☞ page 30)
- Cancel Guidance (☞ page 41)
- Route Options (☞ page 42)
- Traffic Information (☞ page 60)
- Set Clock (☞ page 15)
- Bluetooth Phone (☞ page 118)



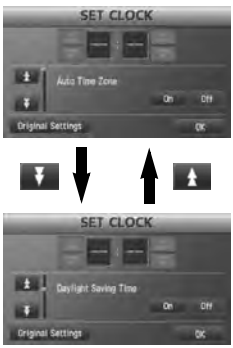
- Volume (☞ page 58)
- Address Book (☞ page 46)
- Navigation Setup (☞ page 16)

Set Clock

The current time is set using this function. Since time notification is provided by a GPS satellite.

Before Steps MENU → select Set Clock

Open the [SET CLOCK] screen



▲ ▼: The time is adjusted manually.

Auto Time Zone:
The time is automatically adjusted by time zone.

Daylight Saving Time:
Daylight saving times can be set.

Display Type:
The display type is set as 12-hour or 24-hour clock time.

Clock on Navi screen:
Allows selection of whether clock is to be displayed. The time will be displayed on the navigation, SETTINGS, SOUND, LOAD/EJECT, and DISPLAY MODE screens. Even if the display of the clock on the navigation is not set, the clock on the information display remains displayed.

Original Settings: The clock time setting can be initialized.

Note

- When Auto Time Zone is switched ON, the time cannot be adjusted manually.
- When Auto Time Zone is switched OFF, the daylight saving time on-screen button cannot be operated.

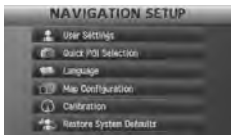
Navigation Setup

You can alter the map display conditions, the route guidance conditions and show the system information.

n **Stop your vehicle before the following operations.**
Do not change the settings and destination locations while driving. Minimize the time spent viewing the monitor screen and listening to the voice guidance while driving. Operating the system will distract the driver from looking ahead of the vehicle and may cause an accident.
Always stop the vehicle in a safe location and put the parking brake on before operating the system.

Before Steps MENU → select Navigation Setup

Open [NAVIGATION SETUP]



- User Settings (☞ page 17)
- Quick POI Selection (☞ page 19)
- Language (☞ page 20)
- Map Configuration (☞ page 21)
- Calibration (☞ page 22)
- Restore System Defaults (☞ page 24)

Navigation Setup

User Settings

Before Steps

MENU → select Navigation Setup

→ select User Settings

Open the [USER SETTINGS] screen

n Map Color

Map Color 1 2 3

Select a screen color from the 1 to 3 options.

n Map Mode

Map Mode Auto Day Night

- Auto : The display will automatically switch between Day and Night illumination mode when the headlights are turned off and on respectively.
- Day : The display will be presented in Day illumination mode regardless of whether the headlights are on or off.
- Night : The display will be presented in Night illumination mode regardless of whether the headlights are on or off.

n Distance

Distance km Miles

Select the distance unit from km or Miles.

n Average Speed

Average Speed Change speed

Set the average speed for each road to be driven.
(This function sets the standard speed (average vehicle speed for each route) used for calculating the estimated arrival time when calculating the route time.)

◄ : ► Average speed setting

Default :Changes back to default

n Road Restriction Warnings

Road Restriction Warnings On Off

The display of warnings during route guidance when passing through areas with traffic restrictions can be turned on or off.

Navigation Setup

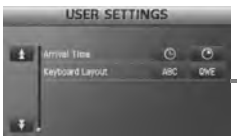
User Settings

Before Steps

MENU → select Navigation Setup

→ select User Settings

Open the [USER SETTINGS] screen



n Arrival Time

Arrival Time

The time which is displayed until reaching the destination or a way point can be set as an estimated arrival time or the remaining time.

Select to display the estimated arrival time, or to display the remaining time.

n Keyboard Layout

Keyboard Layout ABC QWE

The layout of input keys can be selected as ABC or QWE.

Navigation Setup

Quick POI Selection

This function allows you set the categories on the area displayed when the POI (Point of Interest) menu is selected on the map. Quick POI (Point of Interest) enables you store up to six different kinds of categories which you use most regularly.

Before Steps

MENU → select Navigation Setup

→ select Quick POI Selection

Open the [QUICK POI SELECTION] screen

Select the button for Quick POI storage.

Note

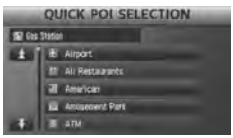
- Select the category to be changed

Default : This button allows you to restore the factory settings.

Select a category.

Once selected, subcategories will be displayed.

List All Categories : Subcategories from all of the individual categories will be displayed together.



Select the subcategories to be displayed on the map.

Repeat the above steps to add further POI markers displayed on the menu.

Navigation Setup

Language

You can change the language of the menu and the voice guidance.

Before Steps

MENU → select Navigation Setup

→ select Language

Open the [LANGUAGE] screen

Select your preferred language from the list.

Navigation Setup

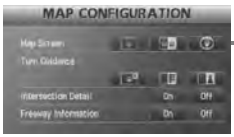
Map Configuration

Before Steps

MENU → select Navigation Setup

→ select Map Configuration

Open the [MAP CONFIGURATION] screen



n MAP Screen

Select single map display, dual map display or compass screen.

Single map

Dual map

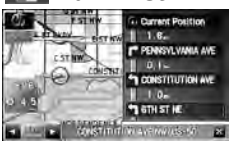
Compass screen

n Turn Guidance

Turn Arrow (on first screen)

While using route guidance, the directions for the next intersection where you have to turn are shown as Turn Arrow in the upper right.

Turn List



While using route guidance, the directions for the next intersection where you have to turn are shown as Turn List.

Turn Arrow (on second screen)

While using route guidance, the directions for the next intersection where you have to turn are shown as Turn Arrow.

Note

Before a fork in the road, an enlarged diagram of the intersection automatically appears in a second screen. This is to make route guidance even clearer.

n Intersection Detail

Intersection Detail On Off

Select whether the Enlarged Intersection diagram screen is displayed automatically.

n Freeway Information

Freeway Information On Off

Allows selection of whether the guidance screen is to be displayed while driving on a Freeway.

Navigation Setup

Calibration

This function allows you to correct any error in the position or direction of your vehicle display.

Before Steps MENU → select Navigation Setup

Adjusting Current Position and Direction

select Position / Direction

Open the [Calibrate Position] screen

Move ○ to the correct position and select OK.

Use ⮜ or ⮞ to adjust the direction in which you are heading, and select OK.

Distance

This function automatically corrects any error in the display of the current position that might occur after tire replacement.

select Distance

You will have to drive about 10 km (6 miles) before distance correction is complete.

select Calibration

Map Version

The map and traffic information version numbers can be confirmed using this function.

select Map Version

Map Version

Traffic Information Version

Navigation Setup

Restore System Defaults

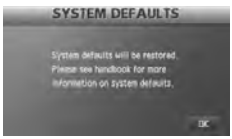
This function replaces all the settings in the mobile navigation system with the initial default settings.

Before Steps

MENU → select Navigation Setup

→ select Restore System Defaults

Open the [SYSTEM DEFAULTS] screen



Select OK .

All of your stored setting data will be deleted.

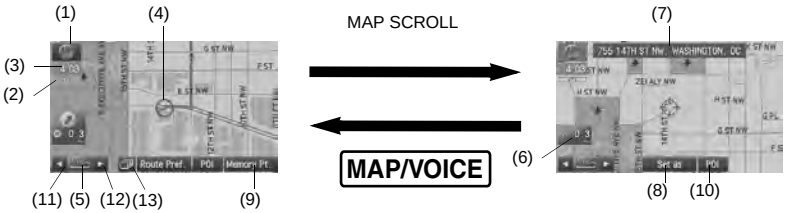
[Default List]

Item	Initial condition
USER SETTINGS	
Map Color	1
Distance	Miles
Average Speed (Residential)	25 MPH
Average Speed (Main street)	35 MPH
Average Speed (Freeway)	55 MPH
Road Restriction Warnings	On
Arrival Time	Time
Keyboard Layout	ABC
QUICK POI SELECTION	
Quick POI Selection	A : Gas Station B : ATM C : Police Station D : Grocery Store E : All Restaurants F : Hotel
LANGUAGE	
Language	English
MAP CONFIGURATION	
Map Screen	Single map
Turn Guidance	Turn List
Intersection Detail	On
Freeway Information	Off
SET CLOCK	
Auto Time Zone	On
Daylight Saving Time	Off
Display Type	12H
Clock on Navi screen	On

Item	Initial condition
ROUTE PREFERENCES	
Toll roads	Prefer
Freeway	Prefer
Ferries	Avoid
Restricted roads	Avoid
Border Crossing	Prefer

Screen Names and Functions

Screens Before Setting Route



(1) Map Orientation control
(☞ page 28)

(2) GPS (Global Positioning System) marker
(☞ page 65)

(3) Clock
Clock will be displayed when you set up Clock on Navigation Set Up On.

(4) Vehicle marker
Shows the current position and direction of your vehicle.

(5) Scale display
Displays the scale of the map.

(6) Distance from current position
Displays the distance from the current position to the position pointed by ○.

(7) Street name at map scroll point
Displays the street name at the point scrolled to.

(8) Destination/Memory point/Way point setting button
The position indicated by the mark "○" in the scroll map is used as destination, memory point or way point.

(9) Store Memory Point button
Stores markers on the map.

(10) POI (Point of Interest) Display button
(☞ page 38)

(11) Zoom in
(☞ page 28)

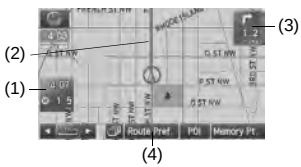
(12) Zoom out
(☞ page 28)

(13) Screen setting button
Map Screen, Turn Guidance and Map Color setting can be changed.
(☞ page 17,21)

Note

- Perform the Navigation Setup before switching the Freeway Information screen on/off. (☞ page 21)

Screens During Route Guidance



(1) Distance and Time to Destination display
Displays the time* and distance to the destination or way point.
Selecting this will display the next and further information on the way point or time and distance to the destination.
(* Either required time or estimated time arrival)

(2) Route display
Shows the provided route as a thick blue line.

(3) Turn Arrow display
Shows the direction to turn at the next intersection and the distance to the intersection.

(4) Route Preferences button
(☞ page 42)

Screen adjustments, beep alert and other settings

Press the disp button (DISP) to display the display menu.

n Adjusting the screen quality

- Screen brightness

  Press the + on-screen button to brighten the screen, or - to darken.
- Screen contrast

  Press the + on-screen button to increase contrast, - to decrease.

Note

- Select the RESET on-screen button to restore the adjustment values to the default settings.
- The screen changes to SETTINGS when the SETTINGS on-screen button is selected.

n Turning off the display

Select the DISP OFF on-screen button to turn off the display.
Press the MAP/VOICE or MENU button to turn on the display.
Press the RETURN button to return to the display previously shown.

n Tilt display operation

Select the ▷ on-screen button to tilt the display, ◁ to close it.
The display angle can be adjusted in five stages.
When opening, the display angle changes one stage at a time each time the ▷ on-screen button is pressed.

When closing, the display angle changes one stage at a time each time the ◁ on-screen button is pressed.

n Daytime/Night screen

When the headlights are on, daytime mode can also be selected (if a brighter screen is needed at night). This selection can only be done when the headlights are on.

- The screen can be returned to the daytime screen while the headlights or running lights are on by rotating the dashboard illumination knob clockwise fully. You will hear a beep sound and the illumination dimmer will be canceled.

Press the disp button (DISP) followed by the SETTINGS on-screen button to display the settings menu.

n Returning to the navigation screen from the audio unit screen

- Select the MANUAL on-screen button to set the function to return to the navigation screen from the audio unit screen by operation of the button only.
- Select the AUTO on-screen button to set the function to return to the navigation screen from the audio unit screen automatically after 20 seconds.

n Beep sound settings

- Select the ON on-screen button to activate the operation beep sound.
- Select the OFF on-screen button to deactivate the operation beep sound.

Screen change

Warning

n **Do not keep your eyes fixed on the monitor screen or operate the system while driving**
Do not change the settings and destination locations while driving. Minimize the time spent viewing the monitor screen and listening to the voice guidance while driving. Operating the system will distract the driver from looking ahead of the vehicle and may cause an accident. Always stop the vehicle in a safe location and use the parking brake before operating the system.

Map orientation

1 Select , on-screen button.

l North Up: Geographic north is up.

l Head Up: The direction you are heading is up.

Map scale

1 Select ◄ or ► on-screen button.

l The map can be displayed in 14 steps with scales from ◄ 1/32 ► to ◄ 128 ►.

<Scale bar>

Miles display	1/32 mi (mile)	1/4 mi (mile)	2 mi (mile)	16 mi (mile)	128 mi (mile)
km display	50 m	500 m	4 km	32 km	256 km

l ZOOM OUT

◄ ►

l ZOOM IN

Memo

Destination Entry and Route Search

You can set the destination using various methods provided by the system.

Before Steps MENU → select Destination Entry

Routing

Change (Change Search Area)

Open the [DESTINATION ENTRY] Menu

Select Change

Input State name
The number of candidate states is decreasing by inputting more characters. If there are less than 4 search results, the list of the results is displayed automatically.

Select List

Select Disc Info.

Map information is displayed.

Disc A

Disc B

Warnings

- **Do not keep your eyes fixed on the monitor screen or operate the system while driving.** Do not change the settings and destination locations while driving. Minimize the time spent viewing the monitor screen and listening to the voice guidance while driving. Operating the system will distract the driver from looking ahead of the vehicle and may cause an accident. Always stop the vehicle in a safe location before operating the system.
- Route searches with the navigation system can include roads that you cannot drive on and roads that you are prohibited from driving on due to traffic regulations. Please comply with the traffic regulations.

Select the desired Search Area

ALABAMA
ARIZONA
ARKANSAS
CALIFORNIA
COLORADO
CONNECTICUT
DELAWARE
FLORIDA
GEORGIA
IDAHO
ILLINOIS
INDIANA
IOWA
KANSAS
KENTUCKY
LOUISIANA
MAINE
MARYLAND
MASSACHUSETTS
MICHIGAN
MINNESOTA
MISSISSIPPI
MISSOURI
MONTANA
NEBRASKA
NEVADA
NEW HAMPSHIRE
NEW JERSEY
NEW MEXICO
NEW YORK
NORTH CAROLINA
NORTH DAKOTA
OHIO
OKLAHOMA
OREGON
PENNSYLVANIA
RHODE ISLAND
SOUTH CAROLINA
SOUTH DAKOTA
TENNESSEE
TEXAS
UTAH
VERMONT
VIRGINIA
WASHINGTON
WEST VIRGINIA
WISCONSIN
WYOMING
WASHINGTON, D.C.
ALBERTA
ONTARIO
QUEBEC
SASKATCHEWAN
NEWFOUNDLAND AND LABRADOR
NEW BRUNSWICK
NOVA SCOTIA
NUNAVUT
BRITISH COLUMBIA
PRINCE EDWARD ISLAND
MANITOBA
NORTHWEST TERRITORIES
YUKON
ALASKA
HAWAII
PUERTO RICO
VIRGIN ISLANDS OF THE U.S

The information for these countries and regions is recorded on the each media.

For Character Entry, please refer to page 39.

Destination Entry and Route Search

Address

Open the [DESTINATION ENTRY] Menu

Select

When narrowing down to city name

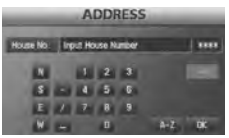
Select City

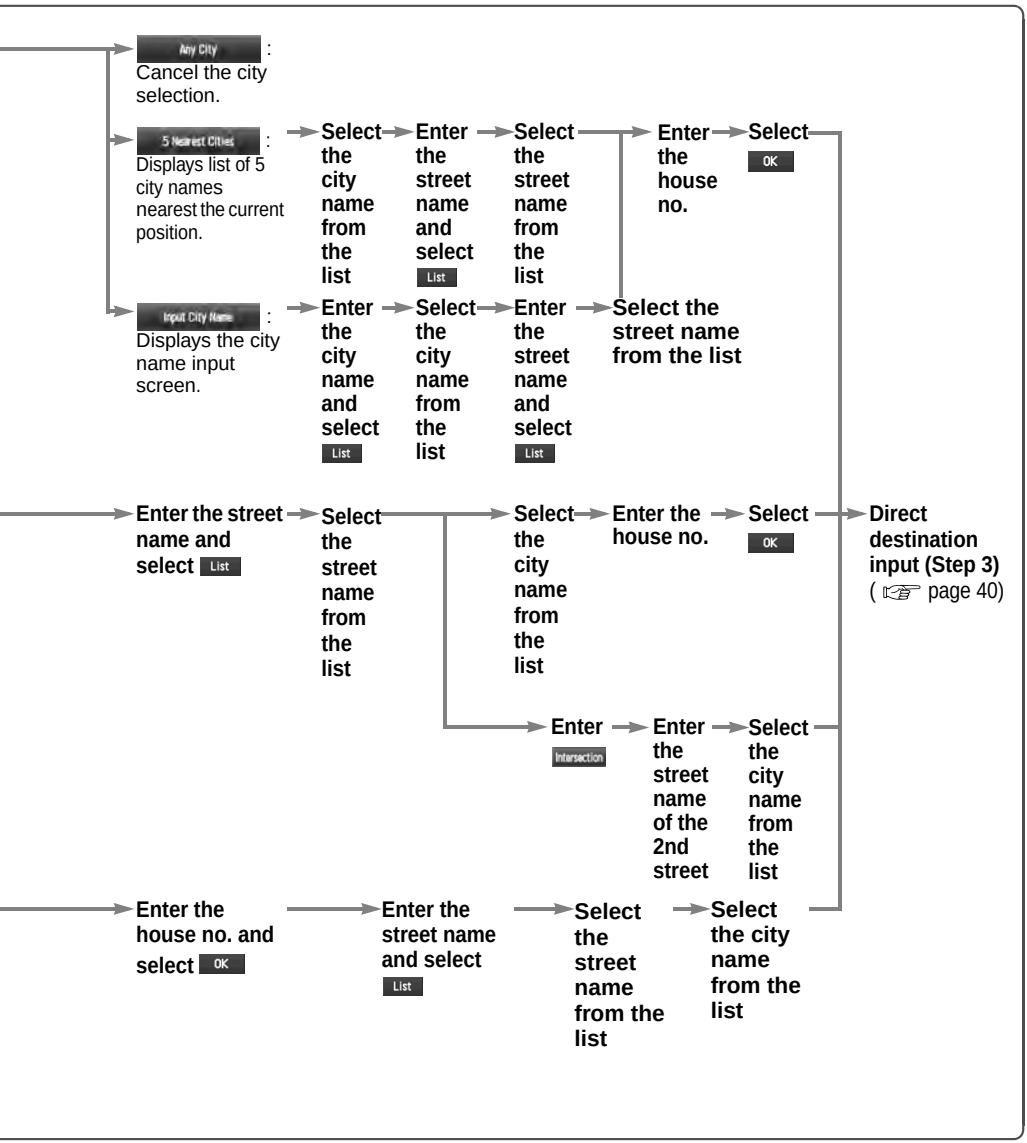
When narrowing down to street name

Select Street

When narrowing down to house no.

Select House No.





For Character Entry, please refer to page 39.

Destination Entry and Route Search

Point of interest

Open the [DESTINATION ENTRY] Menu

Select

Point of Interest

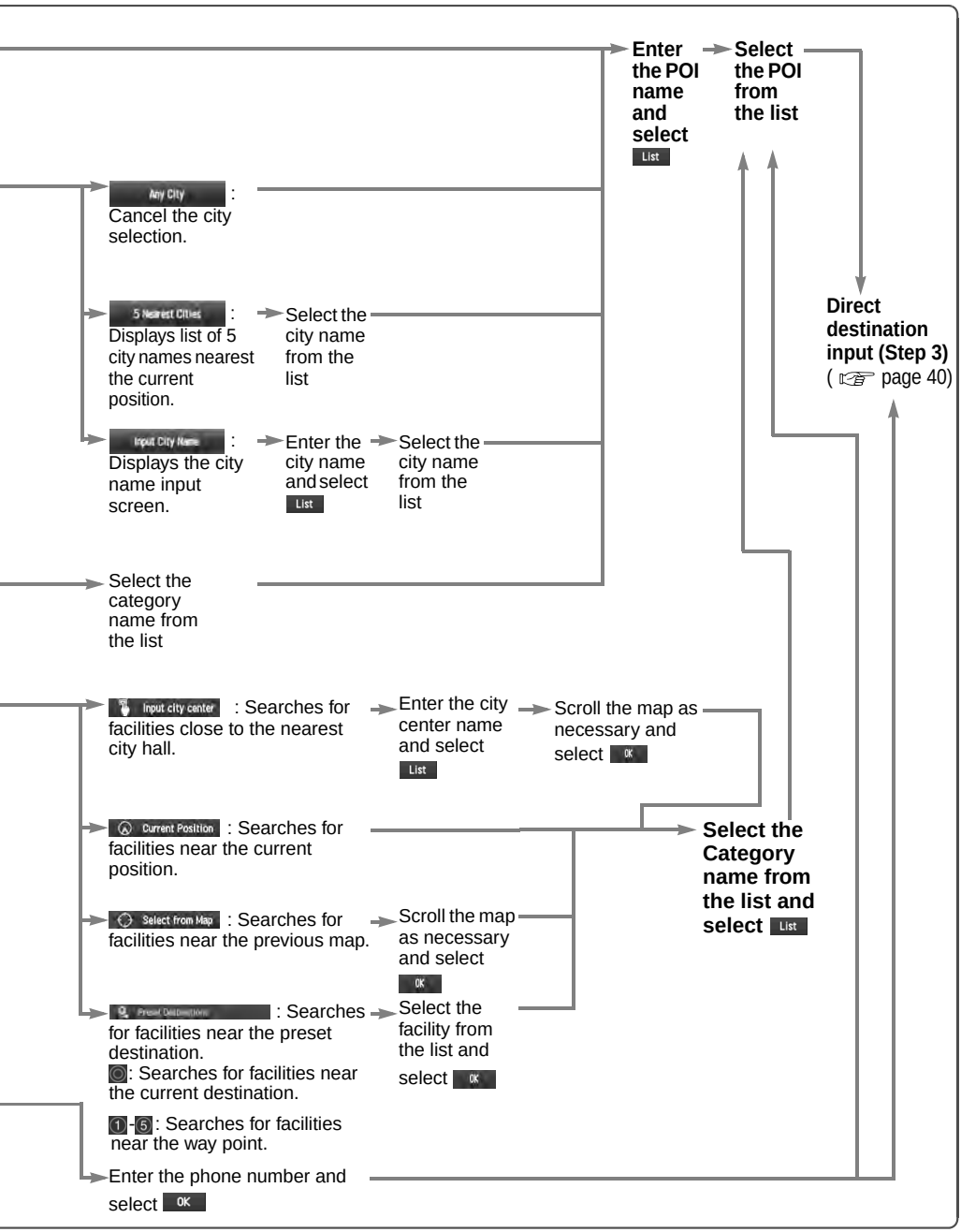
When entering the destination point directly
Select

When narrowing down to city name
Select

When narrowing down to category name
Select

When narrowing down to the nearest facility
Select

When narrowing down to a phone number
Select

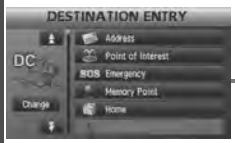


For Character Entry, please refer to page 39.

Destination Entry and Route Search

Before Steps MENU → select Destination Entry

Open the [DESTINATION ENTRY] Menu



Emergency

→ **Select** SOS Emergency

When stopped

Police Station
Displays the police station select screen.

Hospital
Displays the hospital select screen.

When driving

Nearby Police Station
Sets the destination to the nearest police station automatically.

Nearby Hospital
Sets the destination to the nearest hospital automatically.

Memory Point

→ **Select** Memory Point

Home

→ **Select** Home

Preset Destinations

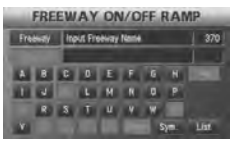
→ **Select** Preset Destinations

Previous Destinations

→ **Select** Previous Destinations

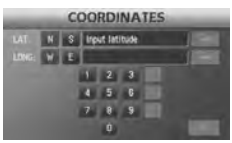
Freeway On/ Off Ramp

→ **Select** Freeway On Ramp / Off Ramp



Coordinates

→ **Select** Coordinates



Select from map

→ **Select** Select from Map

Routing

Select the sort methods

Dist. : Sorts the police station or the hospital by distance.

Name : Sorts the police station or the hospital by name.

→ **Select the name from the list**

→ **Select** Destination

Select the desired Memory Point

: Display up to five previous suggestions.

: Display the next suggestions.

Sort : The order of the displayed list can be changed.

Select the desired Preset Dest.

Select the Previous Dest.

Select the name of the freeway → **Select** On Ramp **or** Off Ramp → **Select the desired the On Ramp or the Off Ramp name.**

Enter the latitude

:degrees

:minutes

:seconds

→ **Enter the longitude**

:degrees

:minutes

:seconds

→ **Select** OK

→ **Direct destination input (Step 3)**

(☞ page 40)

For Character Entry, please refer to page 39.

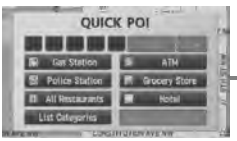
Quick POI

- You can select one of the Six Categories on the menu or List Categories and then select the POI (Point of Interest) to be displayed on the map.

Before Steps Select POI

Displaying POI(s) on a Map

Open the [QUICK POI]



Select the categories to be displayed up to a maximum of five. → Show

- POI icon chart (☞ page 41)

For categories other than the six displayed, select List Categories and select them from the list shown.

Local Search

Search Selected POI → **Select the POI you want to find from the listed facilities.**

After you make a selection, the point of interest you selected appears on the map.

Route: Search POI along the route during the guidance and show the list.

Deleting POI Markers

POI OFF

Before Steps Displaying POI(s) on a Map (☞ above)

Showing POI Data

Display the POI.

→ **Select the desired POI by moving ○ on top of the POI icon.**

The name of the selected POI appears.

If no data is stored for the selected POI, the POI name is not displayed.

→ **Select Info. (Information)**

The POI(s) data is displayed.

Character Entry

Street name, city name, and other input

Select the first several characters on the screen. (Step 1)

Select A-Z

Select Sym.

◄ : Move the cursor to the previous position and delete a character.

List : The list appears.

Select your target in the list. (Step 2)

Names of which spelling starts with the entered character appear.

If a desired name is not in the list, go back to Step 1, and try fewer characters.

▲ : Display up to five previous suggestions.

▼ : Display the next suggestions.

► : Text flow (Right)

◄ : Text flow (Left)

Examples

Street: CANAL

Enter by selecting characters:

C A

Street: 52nd Ave.

Enter by selecting characters:

5 2 n d A

Street: MAIN STREET

Enter by selecting characters:

M A I N S

House phone number, and other input

Select the characters on the screen. → Select OK

◄ :Move the cursor to the previous position and delete a character.

Routing

Direct Destination Input

Direct Destination Input

1 **Touch the map to set the cursor to the desired destination.The map scrolls faster the further away the touched location is from the cursor.**

Scroll the map and change the map scale if necessary.

2 **Select** Set as

3 **Select** Destination

Route calculation will be carried out and the entire route will be displayed on the map.

Select Way Point (Way point) to set the address as a way point on your route (☞ page 25). You can set up to 5 way points per trip.

4 **Select** Start

Route guidance begins using displayed route.

Note

- If your desired route cannot be found, Route Opt. (Route Options) allows the route option settings to be changed. (☞ page 42)
- Selecting Start for five seconds or more will launch the Demo mode.

Selecting Route

Operate after Step 3 of [Direct Destination Input]

4 The calculation route can be selected from one of three types namely, Quick (the fastest route), Short (the shortest route), or Altern. (the standard route).

5 **Select** Info. **(Information).**

Details regarding the individual routes (i.e., required time, total distance, roads used, etc.)

Select either Quick**,** Altern.**, or** Short**, and then select** Start **when you have decided on the route to be used.**

POI Icons on Maps / Cancel Guidance

n POI (Point of Interest) Icons

The following are POI icons shown on maps.

Restaurant
- All Restaurants
- American
- Chinese
- Continental
- Fast Food
- French
- Italian
- Japanese
- Mexican
- Other Restaurants
- Seafood
- Thai

Shopping
- Grocery Store
- Shopping Mall

Automotive
- Automobile Club
- Auto Service & Maintenance
- Gas Station
- Parking

Travel
- Airport
- Bus Station
- Ferry Terminal
- Hotel
- Rental Car Agency
- Rest Area
- Train Station

Recreation
- Amusement Park
- Casino
- Golf Course
- Historical Monument
- Marina
- Museum
- Performing Arts
- Ski Resort
- Sports Complex
- Tourist Attraction
- Tourist Information
- Winery

Community
- City Center
- Convention Center
- Court House
- Government Offices
- Hamlet
- Higher Education
- Hospital
- Library
- Park & Recreation
- Police Station
- School

Banking
- ATM
- Bank

Other
- Business Facility

Cancel Guidance

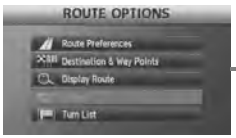
MENU → Select [Cancel Guidance] → Select [Yes]

Route Options

During route guidance you can change the route options, stop or check the route.

Before Steps MENU → select Route Options

Open the [ROUTE OPTIONS] Menu

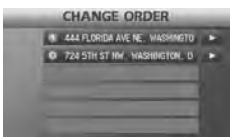


Route Preferences

Select

Modification of Destination or Way Point Positions

Select



- **Select the button for the location to be modified.**
- **Select the way points to change the order.** Change the destination and the passing order of the destination and way points.

Deletion of Destination or Way Points

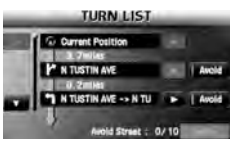
- **Select the button corresponding to the destination or way point to be deleted.**

Detour

Select

Turn List

Select



Warning

n **Do not keep your eyes fixed on the monitor screen or operate the system while driving**
Do not change the settings and destination locations while driving. Minimize the time spent viewing the monitor screen and listening to the voice guidance while driving. Operating the system will distract the driver from looking ahead of the vehicle and may cause an accident. Always stop the vehicle in a safe location and use the parking brake before operating the system.

Select Prefer or Avoid for Toll roads, Freeway, Ferries, Restricted roads and Border Crossing.
The route will not necessarily follow the specified conditions.

→ **MAP/VOICE** → Start

Select Chg. Loc. (Change Location).
Shows the map for the destination/ way points.

→ **Move ○ to location and then press OK**

→ **MAP/VOICE** → Start

Press ▲ ▼ to change the order.

→ **MAP/VOICE** → Start

Select Delete → Yes : → **MAP/VOICE** → Start

No :Cancel the deletion

1/2 1 6 12 25 50 : → Start

Whole Route

Searches the detour routes at 1-80 km (1/2-50 miles) from the present position to the selected route. (Display range varies according to the set distance of the selected route.) Whole Route searches the route that detours from the present position for all routes.

Select Avoid from the roads to be avoided. → Yes : → **MAP/VOICE** → Start

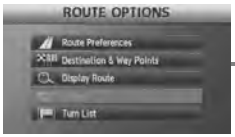
No :Cancel the setting

Route Options

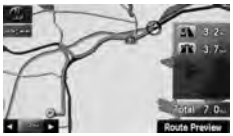
Before Steps MENU → select Route Options

Display Route

Open the [ROUTE OPTIONS] Menu



Select Display Route



Route Preview

Select Route Preview

Setting the conditions for simulation run

Routing

Use the buttons displayed on screen to carry out a simulation run.

: Move to the start point.

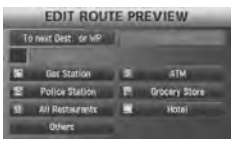
: Carry out a simulation run in the direction of the start point. When the run has been started, this button will be displayed as , and when selected, it will cause to take place at high speed.

: Stop the simulation run.

: Carry out a simulation run in the direction of the destination. When the run has been started, this button will be displayed as , and when selected, it will cause to take place at high speed.

: Move to the destination.

Edit : Displays the [EDIT ROUTE PREVIEW] screen.



To next Dest. or WP : Stops at the destination or the next way point.

To next POI : Stops at a point of interest which has been set up on the route.

Delete : Delete the POI which has been selected.

POIs: Display the six POIs from Quick-POI storage. When one of these is selected, it will be displayed on the map; furthermore, Others can be selected to display items other than shown here. For more details, refer to page 19.

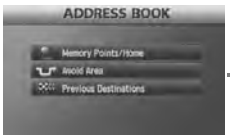
RETURN

Address Book

You can, edit, or delete any marked point.

Before Steps MENU → select Address Book

Memory Point Storage	Open the [ADDRESS BOOK]
Memory Point Confirmation and Modification	
Preset Destinations or Home storage	
Memory Point Deletion	
All Memory Point Deletion	
Displays Icons at Memory Points	



→ **Select** Memory Points/Home

→ Add

→ List

→ Delete

→ Delete all

→ **Show all icons** On or Off

Set a memory point using your preferred method.

Select a memory point to be modified.

- Icon : Allows the display icon to be selected. Page 1 and 2 contain standard icons, whereas the With Sound page contains icons which also playback sounds. (With direction icon function) The beep alert only activates when the vehicle approaches to within about 500 m (1640 ft) of the memory point from the set direction.
- Name : Allows the name to be changed. When editing has been completed, select OK. Furthermore, select On to display names on the map, or Off if these names are not to be displayed.
- Position : Allows memory points to be checked and modified on the map screen. → OK
- Tel. : Allows the telephone number to be modified. When editing has been completed, select OK.

Select a memory point to be stored in Preset Destinations or Home.

Sort : The order of the displayed list can be changed.

Category :Allows the storage category to be changed. Select the button corresponding to the new category. → : Changes the category to Home

: Categories can be registered using the preset destination buttons (1 to 5).

Del. :Press the Del. button to clear the category previously set.

Select a memory point to be deleted.

Yes

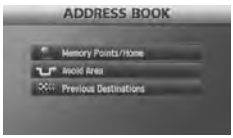
No : Cancel the deletion.

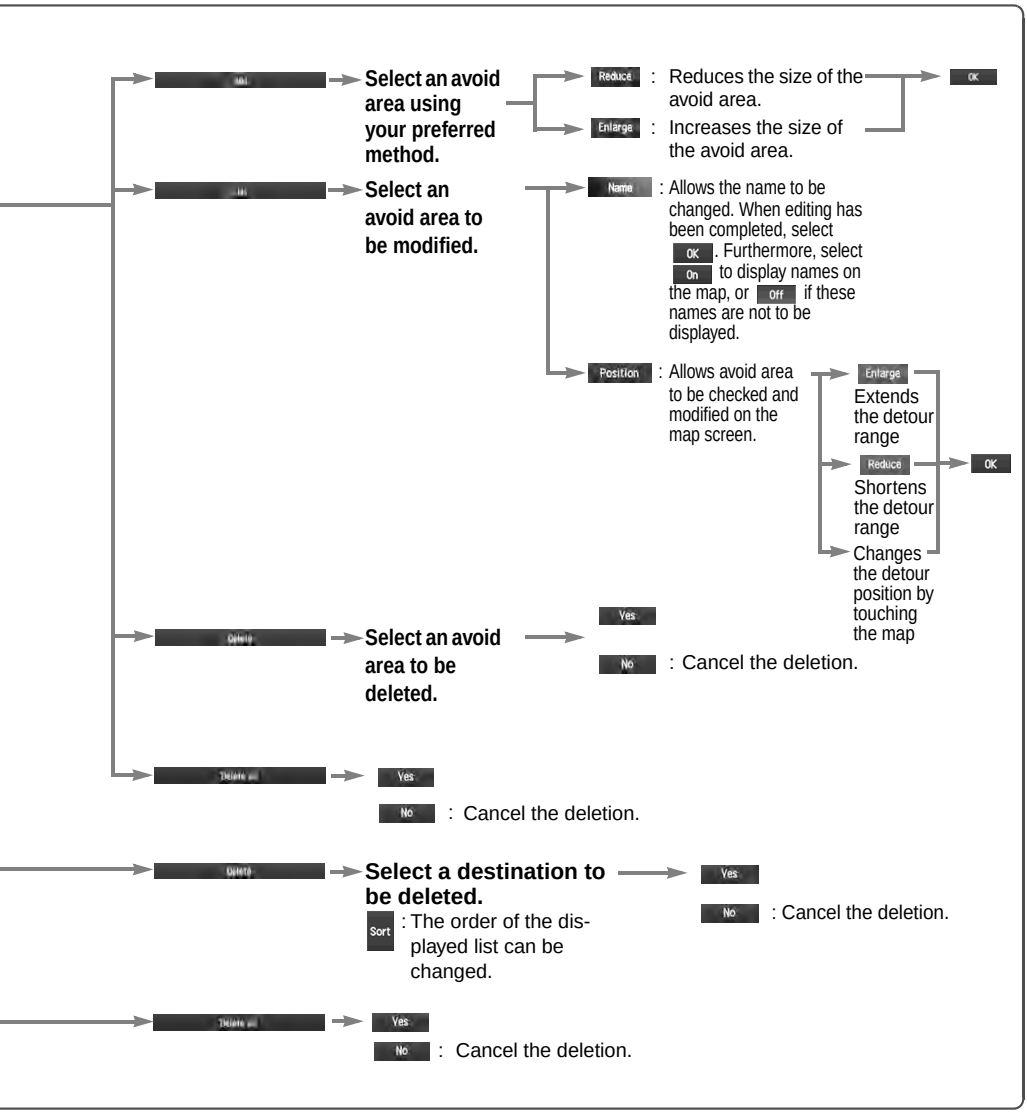
Yes

No : Cancel the deletion.

Address Book

Before Steps MENU → select Address Book

Avoid Area Storage	**Open the [ADDRESS BOOK]**
Avoid Area Confirmation and Modification	 → **Select** Avoid Area
Avoid Area Deletion	
All Avoid Area Deletion	
Previous Destination Deletion	→ **Select** Previous Destinations
All Previous Destination Deletion	


Select an avoid area using your preferred method.
Reduce : Reduces the size of the avoid area.
Enlarge : Increases the size of the avoid area.
OK
Select an avoid area to be modified.
Name : Allows the name to be changed. When editing has been completed, select OK. Furthermore, select On to display names on the map, or Off if these names are not to be displayed.
Position : Allows avoid area to be checked and modified on the map screen.
Enlarge
Extends the detour range
Reduce
Shortens the detour range
Changes the detour position by touching the map
OK
Select an avoid area to be deleted.
Yes
No : Cancel the deletion.
Yes
No : Cancel the deletion.
Select a destination to be deleted.
Sort : The order of the displayed list can be changed.
Yes
No : Cancel the deletion.
Yes
No : Cancel the deletion.

Voice Recognition

The voice recognition or the Bluetooth Hands-free system can be activated by pressing the talk button on the steering wheel. The target operation in each mode (status) differs depending on whether the switch is pressed with a short or long press. For details, refer to the following switch operation list. (☞ page 52)

Bluetooth Hands-Free Outline

By connecting a Bluetooth equipped mobile telephone to the hands-free unit equipped on the vehicle, making and receiving calls are possible.
For details, refer to the "Bluetooth Hands-Free" in the owner's manual.

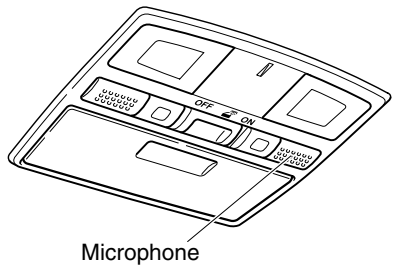
Voice Recognition Outline

Voice control can be carried out by simply pressing the talk button and using a voice command (☞ page 55) spoken into the microphone.

Voice Recognition Structure

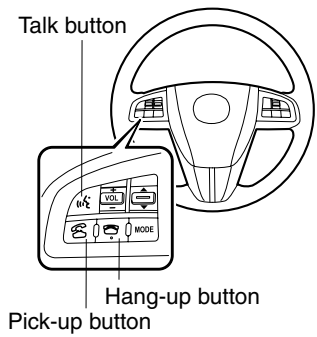
Microphone surface

Voice entry recognition.



Talk button on the steering wheel switch

Use for switching to voice recognition or Bluetooth Hands-free.



Note

If there is no setting for the Bluetooth Hands-Free system, the TEL commands (Phone/ Telephone) are not available.

Select the Language

Set up the language in advance.
Voice entry recognition.

1 **Press MENU**

2 **select** Navigation Setup → **select** Language

3 **Select your preferred language from the list.**

Note

To return to current position screen, press **MAP/VOICE**.

Voice Recognition Basic Usage Pattern

1 **Press the talk button on the steering wheel switch with a short press while the system is in standby mode.**

2 **Speak the desired voice command.**

Cancel Voice Recognition

1 **Long press the talk button on the steering wheel switch during navigation voice recognition.**

Note

After the navigation system has been set, voice recognition needs approximately 2 minutes for activation on preparation. Wait momentarily.

Switch Operation List

Talk button

Mode (status)	Switch operation	Target operation
Standby	Short press	Activates voice recognition for the navigation system.
	Long press	Activates voice recognition for mobile phones.
During voice recognition for navigation system	Short press	Repeats the previously transmitted audio guidance and then goes on standby awaiting user voice-command input.
	Long press	Ends voice recognition and returns to standby.
During voice recognition for mobile phones	Short press	Repeats the previously transmitted audio guidance and then goes on standby awaiting user voice-command input.
	Long press	Ends voice recognition and returns to standby.
Incoming user A	Short press	(No operation.)
	Long press	
Outgoing user A	Short press	(No operation.)
	Long press	
During call with user A or conference call	Short press	Activates voice recognition for mobile phones.
	Long press	(No operation.)
During call with user A and incoming user B	Short press	(No operation.)
	Long press	
During call with user A while user B is on hold	Short press	Activates voice recognition for mobile phones.
	Long press	(No operation.)
During phone pairing process using voice recognition	Short press	Pairing mode is canceled.
	Long press	Ends voice recognition and returns to standby.

Note

Short pressing the talk button during transmission of the audio guidance will skip the audio guidance and put the system on standby awaiting voice-command input from the user.

Pick-up button

Mode (status)	Switch operation	Target operation
Standby	Press	Activates voice recognition for bluetooth.
During voice recognition for navigation system	Press	Activates voice recognition for bluetooth.
During voice recognition for mobile phones	Press	(No operation.)
Incoming user A	Press	Accepts user A.
Outgoing user A	Press	(No operation.)
During call with user A or conference call	Press	If user A or a conference call is active, user A or the conference call is put on hold (toggle), and a tone is played.
		If user A or a conference call is on hold, switches to user A or the conference call.
During call with user A and incoming user B	Press	Puts user A on hold and answers user B.
During call with user A while user B is on hold	Press	Puts user A on hold, switches to user B (toggle), and plays a tone.
During phone pairing process using voice recognition	Press	Pairing mode is canceled.

Hang-up button

Mode (status)	Switch operation	Target operation
Standby	Press	(No operation.)
During voice recognition for navigation system	Press	(No operation.)
During voice recognition for mobile phones	Press	Ends voice recognition and returns to standby.
Incoming user A	Press	Rejects user A.
Outgoing user A	Press	Hangs up user A.
During call with user A or conference call	Press	Hangs up user A or conference call.
During call with user A and incoming user B	Press	Hangs up user A and answers user B.
During call with user A while user B is on hold	Press	Hangs up user A and switches to user B.
During phone pairing process using voice recognition	Press	Pairing mode is canceled.

Avoiding Voice Recognition Errors.

Read the notes listed below to allow the Voice Recognition function to recognize your voice properly.

- Speak a voice command clearly.
- Keep yourself in a safe driving position. Do not face or approach the microphone to make a voice command recognizable.
  Voice recognition may fail to recognize your command due to voice tone. If this happens, change the tone of your voice by speaking more loudly and clearly.
- Keep the inside of the vehicle quiet when making a voice command. Your command may be compromised by noises made by people, blinkers, the horn, vehicle vibration, and noises from outside the vehicle.
- Use the language you selected in voice recognition.

Voice Recognition Command

The following voice commands can be used with voice control.

NAVIGATION COMANDS
[Show] Map
[Show] Current (Position / Location)
Help
[Show] list
Zoom Out
Zoom In
Right [Screen] Map Zoom Out
Right [Screen] Map Zoom In
[Change to / Show] North up [Mode]
[Change to / Show] Heading up [Mode]
[Change] Map Direction
Right [Screen] Map [Change to / Show] North up [Mode]
Right Map [Change to / Show] Heading Up [Mode]
Right [Screen] Map [Change] Map Direction
Repeat [Voice] [Guidance]
[Change to] Dual Map [Mode]
[Change to] Single Map [Mode]
[Change to] Compass mode
[Go] Home
[Add to] Way Point
Short
Detour (Entire / Whole) Route
(Go to / Previous) (Starting / Start) Point
[Go to] Preset Destination [Number] One
[Go to] Preset Destination [Number] 2
[Go to] Preset Destination [Number] 3
[Go to] Preset Destination [Number] 4
[Go to] Preset Destination [Number] 5
Quick

[Enter] Destination
Alternative
Detour
(Delete / Cancel) Next Way Point
(Delete / Cancel) Destination
(Delete / Cancel) All Way Points and Destination
[Show] (Whole / Entire / Display) Route [Map]
[Show] Next Way Point [Map]
Show First Way Point [Map]
Show Second Way Point [Map]
Show Third Way Point [Map]
Show Fourth Way Point [Map]
Show Fifth Way Point [Map]
Show Destination [Map]
[Go to] Previous Destination
Store This Point / Mark This Point / Memory Point
[Change to] Arrow [Guide / Guidance / mode]
[Change to] Turn List [Guide / Guidance / mode]
POI Off
Louder
Softer
Voice Guidance Off
Voice Guidance On
Yes
No
Cancel
Zoom In Maximum
Zoom Out Maximum
Right [Screen] Map (Zoom In Maximum / Minimum Scale)

Right [Screen] Map (Zoom Out Maximum / Maximum Scale)
[Change to] Mini Arrow [Guide / Guidance / mode]
[Change to] Junction Detail On
[Change to] Junction Detail Off
[Change to] Freeway [Information] On
[Change to] Freeway [Information] Off
Set
Other
POI DISPLAY COMMANDS
(Automobile Club / *Triple A)
Gas [Station]
(Car Park / Parking [Lot / Garage])
Auto Service [and Maintenance]
ATM
Bank
(Town / City) Center
(Convention / Exhibition) Center
Court House
Government (offices / office)
(University / Higher Education / College)
Hospital
Library
(Park / Parks) and Recreation
Police Station
School
Amusement Park
Casino
Golf course
Historical Monument
Marina
Museum

( ): Say any one of the commands separated by a / (slash) within this type of parentheses.
[]: Recognizes without saying the command in “[]”
“/”: Recognizes when saying either commands before and after “/”
*Triple A stands for AAA. If the command is not spoken as indicated (Triple A), the system will not recognize the command.

(Ski resort / Skiing)
(Sports Complex / Stadium)
Performing Arts
Tourist attraction
Tourist information
Winery
([Show] Restaurant / I'm Hungry)
American (Restaurant / Food)
Chinese (Restaurant / Food)
Continental (Restaurant / Food)
Fast Food [Restaurant]
French (Restaurant / Food)
Italian (Restaurant / Food)
Japanese (Restaurant / Food)
Mexican (Restaurant / Food)
Seafood [Restaurant]
Thai (Restaurant / Food)
Other (Restaurant / Food)
Grocery Store
Shopping Mall
Airport
Bus station
Ferry Terminal
Hotel
Rental Car Agency
Rest Area
Train Station
Business Facility
Hamlet
NEAREST POI DISPLAY COMMANDS
Nearest (Automobile Club / *Triple A)
Nearest Gas [Station]
Nearest (Car Park / Parking [Lot / Garage])
Nearest Auto Service [and Maintenance]
Nearest ATM
Nearest Bank

Nearest (Town Center / City Center)
Nearest (Exhibition / Convention) Center
Nearest Court House
Nearest Government offices
Nearest (University / Higher Education [Institute] / College)
Nearest Hospital
Nearest Library
Nearest (Park / Parks) and Recreation [Facility]
Nearest Police Station
Nearest School
Nearest Amusement Park
Nearest Casino
Nearest Golf course
Nearest Historical Monument
Nearest Marina
Nearest Museum
Nearest (Ski resort / Skiing facility)
Nearest (Sports Complex / Stadium)
Nearest (Performing Arts [Venue] / Theater)
Nearest Tourist attraction
Nearest Tourist information
Nearest Winery
Nearest Restaurant
Nearest American (Restaurant / Food)
Nearest Chinese (Restaurant / Food)
Nearest Continental (Restaurant / Food)
Nearest Fast Food [Restaurant]
Nearest French (Restaurant / Food)
Nearest Italian (Restaurant / Food)
Nearest Japanese (Restaurant / Food)
Nearest Mexican (Restaurant / Food)
Nearest Seafood [Restaurant]
Nearest Thai (Restaurant / Food)
Nearest Other (Restaurant / Food)
Nearest Grocery Store
Nearest Shopping Mall

Nearest Airport
Nearest Bus station
Nearest Ferry Terminal
Nearest Hotel
Nearest Rental Car Agency
Nearest Rest Area
Nearest Train Station
Nearest Business Facility
Nearest Hamlet
AUDIO COMMANDS
radio
AM [radio]
FM [radio]
SIRIUS / Satellite
(Disc / CD)
Audio [on / off]
AUX1 / Auxiliary1
AUX2 / Auxiliary2
Seek up
Seek down
Type up
Type down
Track up / Next track
Track down
Previous track
Folder up
Folder down
TEL COMMANDS
(Phone / Telephone)

( ): Say any one of the commands separated by a / (slash) within this type of parentheses.
[]: Recognizes without saying the command in "[]"
"/": Recognizes when saying either commands before and after "/"
*Triple A stands for AAA. If the command is not spoken as indicated (Triple A), the system will not recognize the command.

Help function

The voice recognition command list can be displayed on the navigation screen.

Note

The voice recognition command list cannot be displayed while driving. Park the vehicle in a safe place to perform the operation.

Volume

You can adjust the volume control for the voice guidance.

Before Steps MENU → select Volume

Open the [VOLUME] screen

1 **Select the appropriate button to set the volume to between 1 (minimum) and 7 (maximum).**

Off :Sound output will be muted.

2 **Press the MAP/VOICE button to return to the current vehicle position screen.**

Memo

Traffic Information

Operations for using and setting up Traffic Information.

Before Steps MENU → select Traffic Information

All Traffic Events

Open the [Traffic Information]

Select

All Traffic Events

All traffic events are displayed in sequence from the current position.
Extra time may be required to receive traffic information depending on the volume of information for the selected route.

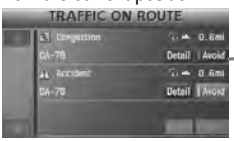
Select the desired route from the list.

Traffic On Route

Select

Traffic On Route

Traffic events on your route are displayed in sequence from the current position.



Select Detail

Select Avoid

Delete Avoid Traffic Events

Select

Delete Avoid Traffic Events

Traffic events set in the all traffic events setting menu can be deleted.

Select Del. All

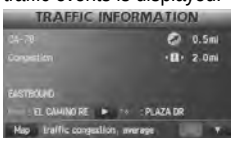
Select Delete

Select Map

Select Map → The selected traffic event map is displayed on the screen.

Select Avoid → A setting for traffic avoidance is available.

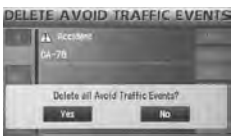
Detailed information on traffic events is displayed.



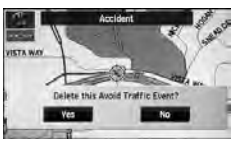
Select Map → The selected traffic event map is displayed on the screen.

A setting for traffic avoidance is available.

All set traffic events can be deleted.



Individual traffic events can be deleted.



The selected traffic event map is displayed on the screen.

Note

- If traffic information is added while in route, the select screen for changing the route is displayed. The distance which is added when changing the route is displayed on-screen, and selection as to whether to reroute or not is available.

Traffic Information

Select Traffic Information

Open the [Traffic Information]

Select Select Traffic Information

The traffic event icon can be displayed on the map screen.

Dynamic navigation

Select On **or** Off

When On is selected, the system will recalculate a different route for you when there is a traffic jam on your route.

Voice guidance

Select On **or** Off

When On is selected, voice guidance will be given if a traffic event occurs on your route.

Select Station

Select Select Station

Traffic information is available on the radio.

Select the icons which you want to display on the map screen.

Note

- The traffic jam icon can be switched on or off on the map screen by pressing the icon display on/off.

Select the desired broadcast station from the list.

Note

- The system selects a station automatically when this setting is not set up by the user. The system also searches for the station with the best signal, when the reception of the chosen station is getting weak.
- If no broadcast station is found or if there is no response from traffic information when Select Station has been selected, the message “No traffic station”/“Searching” will be displayed.

Precautions/System Performance

Voice Guidance

Warnings

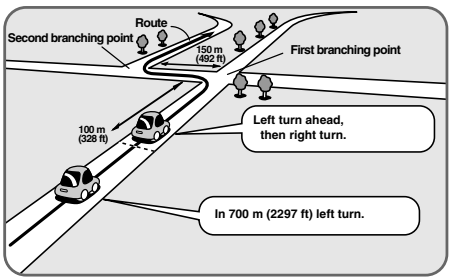
- The navigation system is just a support system for the driver. The driver should always pay attention to the traffic situation to safely make decisions. You may be unable at times to arrive at your destination due to out-of-date information on a map disc. You should be especially careful when selecting an urgent destination such as a hospital or a police station.
- Your route may sometimes include roads that are not open to vehicles or are closed due to traffic regulations. Please comply with the local traffic regulations.
- Do not change the settings and destination locations while driving. Minimize the time spent viewing the monitor screen and listening to the voice guidance while driving. Operating the system will distract the driver from looking ahead of the vehicle and may cause an accident. Always stop the vehicle in a safe location and use the parking brake before operating the system.

Voice guidance has the following functions:

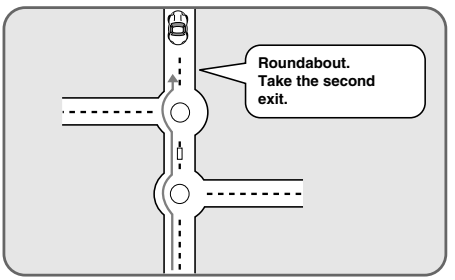
n Intersection guidance

- The system voice announces the distance to an upcoming turn and the turning direction.
  ➡ This guidance function is automatic. Therefore, you do not have to set it, and it cannot be disabled.

- The system vocally announces the distance to an upcoming highway branching point or intersection.

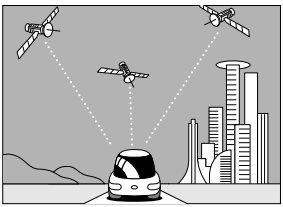


When two intersections are close together, the voice guidance may be late.



When two roundabouts are close together, the voice guidance for the second may be late.

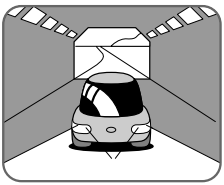
GPS (Global Positioning System)



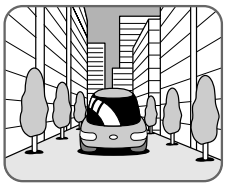
GPS is a position detecting system utilizing the signals from GPS satellites deployed by the U.S. Department of Defense. The Mobile Navigation System uses input from three or more satellites and calculates the vehicle position based on the principle of triangulation.
The positioning accuracy of the system corresponds to the error display of the GPS which is from about 30 to 200 meters (98 to 656 ft).

- If you are using the system for the first time, or if you have not used it for some time, it takes about 5 minutes (or about 2 minutes in open areas) to calculate your vehicle's position.

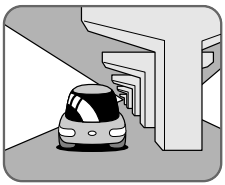
n GPS signal reception is poor in the following places



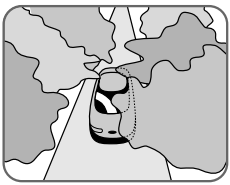
In tunnels



Among high-rise buildings



Under elevated roads



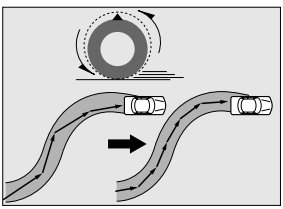
In wooded areas

- The GPS satellites are controlled by the U.S. Defense Department, which may intentionally lower positioning accuracy. In such cases, there may be vehicle position deviations.
- There may be vehicle position deviations for some time until GPS signals are received after switching on the ignition.

Map Matching

This function compares your vehicle's tracking data with the road data on the map disc, applies dead reckoning to determine the road you are driving on, and displays your vehicle on that road on the map.

- Intelligent map matching addresses the following problems to achieve high accuracy in vehicle positioning.



Position Correction for Elevated Roads
Position accuracy is improved by detecting if the vehicle is running on or under an elevated road.

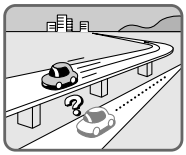
Position Correction for Parking Garages
Position accuracy is improved by detecting if the vehicle is driving in an elevated or underground parking garage.

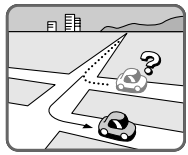
High-precision Gyrosensor
A gyro detects turns with an accuracy of 0.05° per second. Combined with a speed sensor, it enables the system to display the current vehicle position even where GPS signals may be blocked.

- Using a spare tire in place of the regular one may cause vehicle position deviations.
- Any difference between the direction which your vehicle actually travels and that shown on the map is automatically eliminated by azimuth correction.

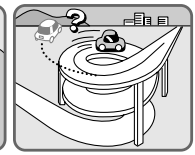
Positioning Accuracy

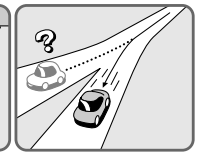
In the following situations, your vehicle position may not be displayed correctly on the map. But, as you keep driving, your vehicle position will be automatically corrected utilizing map matching and GPS data.

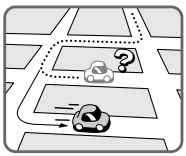

Running on an elevated road


Making a turn after driving on a long straight road

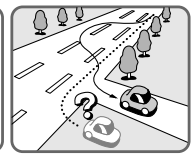
Running on a steep mountain road

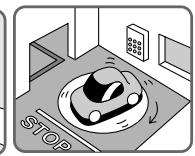

Running on a spiral road


Entering an intersection where a road branches off at a small angle


Running on gridiron layout of roads

Running on a slippery road with tire chains


Snaking on a wide road

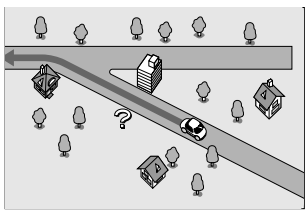


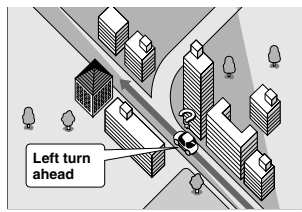
When your vehicle is on a turntable with the ignition switched off

After getting off a ferryboat or vehicle train

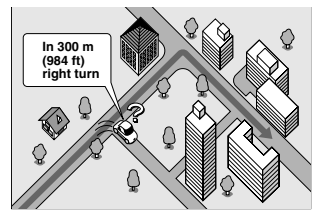
Route Guide

Although you may encounter the following problems in route guide, there is nothing wrong with the system.

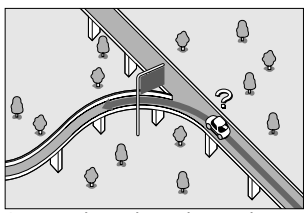

For certain intersection shapes, the upcoming turn or the name of the intersection may not be announced.

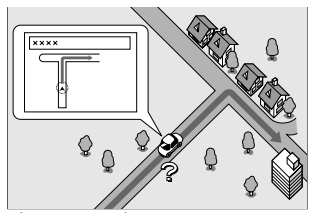


For certain intersection shapes, you may be prompted to turn right or left when you should actually stay on the same road.

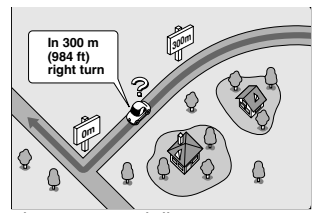


Voice guidance for the planned route may continue even after you have deviated from that route such as having turned too early.


Some points where the road divides on highways or toll roads may not be displayed or announced.



The Intersection Zoom Map may not always agree with the actual shape of the intersection.



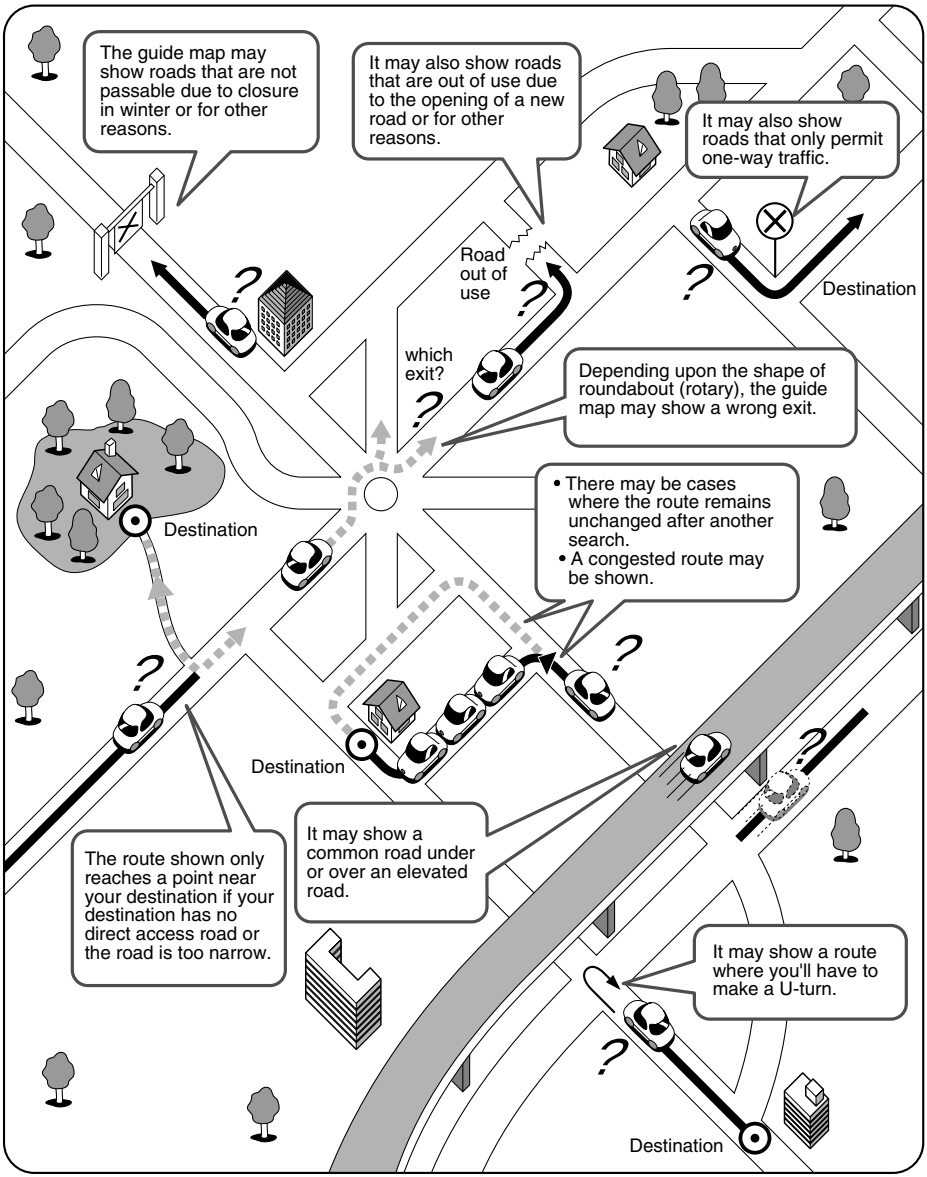
The announced distance to an upcoming turn may differ slightly from reality.

Warning

The navigation system is just a support system for the driver. The driver should always pay attention to the traffic situation to safely make decisions. You may be unable to arrive at your destination due to out-of-date information on a map disc. You should be especially careful when selecting an urgent destination such as a hospital or a police station.

Route Search

Although you may encounter the following problems in a route search, there is nothing wrong with the system.



Troubleshooting

Verification First

Note

There may be some problems due to operational errors or mistakes. Please read this manual again and verify that there really is a problem before calling an Authorized Mazda Dealer to ask for repair services.

Symptom	Check point
No picture	l Check if a fuse has blown. ➡ Consult an Expert Dealer, we recommend an Authorized Mazda Dealer. l Check if the voltage level of the vehicle battery is low. ➡ Recharge the battery or change batteries.
Display does not open or close	
The vehicle position is not correct	l Check if the vehicle position changed when ACC was set to OFF. When, for example, • The vehicle was transported by a ferry boat. • The vehicle was rotated on a turn table in a parking lot. • The vehicle was transported by a tow track or other such vehicle. ➡ Drive the vehicle for a while where you are receiving GPS signals.

Symptom	Check point
No GPS symbols are displayed	l GPS signals may not be received because of obstructions. After moving the vehicle away from obstructions, the GPS signals can be received.
The vehicle position is not displayed	l Check if the mode is set to the current position screen. ➡ Press **MAP/VOICE**
No voice guidance	l Check if the volume control for the voice guidance has been turned off. l Check if the vehicle is off the route. ➡ Repeat the route search while checking the route guide screen. l Check if you are driving the vehicle in the wrong direction on the route. ➡ Repeat the route search checking the direction of the destination.
Buttons on the remote control do not beep	l Check if [Beep] is set to [Off] (☞ page 27).

Troubleshooting

Error Messages

Error message	Solution
Please insert a MAP DVD.	The disc is not installed. ➡ Check if the disc is installed. If installed, check if the installed disc is correct.
MAP DVD-Read Error	The disc is wet, dirty, scratched, or upside down, or the disc cannot be played with this unit or the incorrect disc is installed. ➡ Eject the disc and check it.
The disc installed is not a MAP DVD.	

Maintenance

Care of the Product

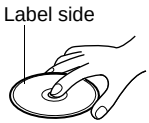
n Cleaning this product
Use a dry, soft cloth to wipe it.

n Cautions for cleaning
Never use solvents such as benzene and thinners, they could mar the surface of the unit.

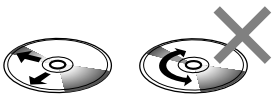
n Map disc
If you require the latest map disc, consult an Expert Dealer, we recommend an Authorized Mazda Dealer.

Handling and Care of Map Discs

n How to hold the disc
- Do not touch the underside of the disc.
- Do not scratch the disc.
- Do not bend the disc.
- When not in use, keep the disc in the case.



n Disc Cleaning
- Use a dry, soft cloth to wipe from the center outward.



n Do not leave discs in the following places:
- Direct sunlight
- Near car heaters
- In dirty, dusty and damp areas
- On seats and dashboards

Memo

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Audio System

n Audio Operation

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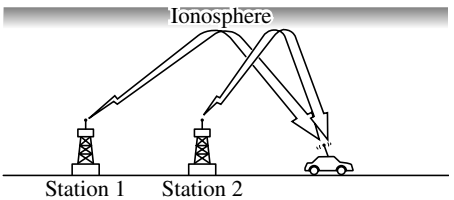
Audio Operation

Operating Tips for Audio system

n Radio Reception

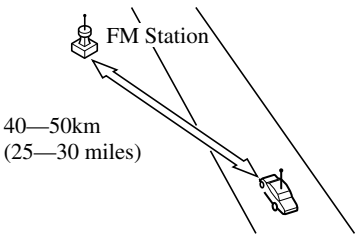
AM characteristics

AM signals bend around such things as buildings or mountains and bounce off the ionosphere. Therefore, they can reach longer distances than FM signals. Because of this, two stations may sometimes be picked up on the same frequency at the same time.



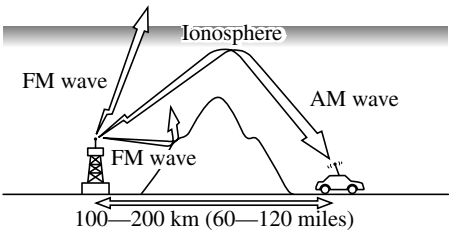
FM characteristics

An FM broadcast range is usually about 40–50 km (25–30 miles) from the source. Because of extra coding needed to break the sound into two channels, stereo FM has even less range than monaural (non-stereo) FM.



Signals from an FM transmitter are similar to beams of light because they do not bend around corners, but they do reflect.

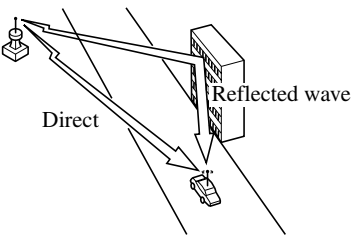
Unlike AM signals, FM signals cannot travel beyond the horizon. Therefore, FM stations cannot be received at the great distances possible with AM reception.



Atmospheric conditions can also affect FM reception. High humidity will cause poor reception. However, cloudy days may provide better reception than clear days.

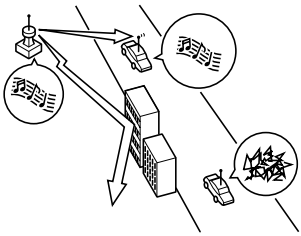
Multipath noise

Since FM signals can be reflected by obstructions, it is possible to receive both the direct signal and the reflected signal at the same time. This causes a slight delay in reception and may be heard as a broken sound or a distortion. This problem may also be encountered when in close proximity to the transmitter.



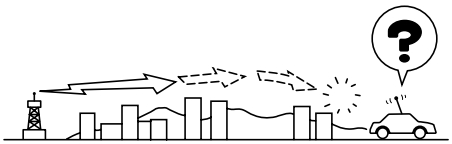
Flutter/Skip noise

Signals from an FM transmitter move in straight lines and become weak in valleys between tall buildings, mountains, and other obstacles. When a vehicle passes through such an area, the reception conditions may change suddenly, resulting in annoying noise.



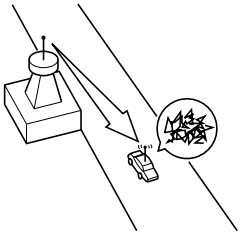
Weak signal noise

In suburban areas, broadcast signals become weak because of distance from the transmitter. Reception in such fringe areas is characterized by sound breakup.



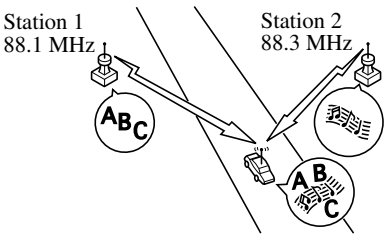
Strong signal noise

This occurs very close to a transmitter tower. The broadcast signals are extremely strong, so the result is noise and sound breakup at the radio receiver.



Station drift noise

When a vehicle reaches the area of two strong stations broadcasting at similar frequencies, the original station may be temporarily lost and the second station picked up. At this time there will be some noise from this disturbance.



n Operating Tips for Single CD-MP3/ WMA Player

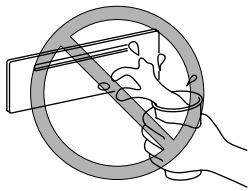
Condensation phenomenon

Immediately after turning on the heater when the vehicle is cold, the CD or optical components (prism and lens) in Single CD MP3/WMA Player may become clouded with condensation. At this time, the CD will eject immediately when placed in the unit. A clouded CD can be corrected simply by wiping it with a soft cloth. Clouded optical components will clear naturally in about an hour. Wait for normal operation to return before attempting to use the unit.

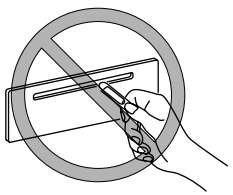
Handling Single CD-MP3/WMA Player

The following precautions should be observed.

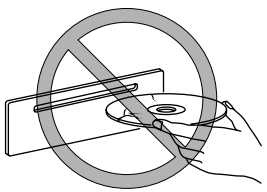
- Do not spill any liquid on the audio system.



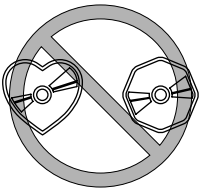
- Do not insert any objects, other than CDs, into the slot.



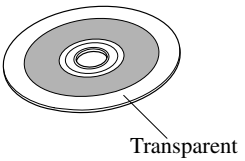
- The CD revolves at high speed within the unit. Defective (cracked or badly bent) CDs should never be used.



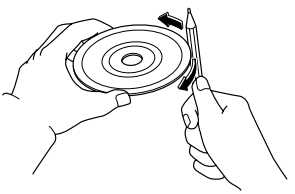
- Do not use non-conventional discs such as heart-shaped, octagonal discs, etc. The disc may not eject resulting in a malfunction.



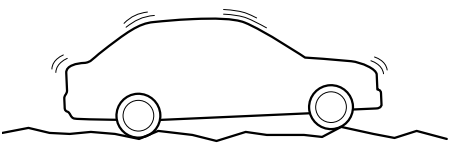
- If the memory portion of the CD is transparent or translucent, do not use the disc.



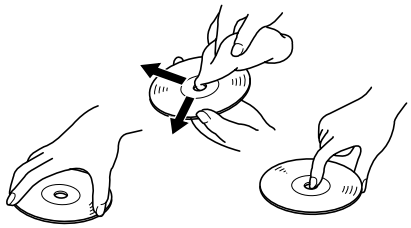
- A new CD may have rough edges on its inner and outer perimeters. If a disc with rough edges is used, proper setting will not be possible and Single CD-MP3/WMA Player will not play the CD. In addition, the disc may not eject resulting in a malfunction.
  Remove the rough edges in advance by using a ball-point pen or pencil as shown below. To remove the rough edges, rub the side of the pen or pencil against the inner and outer perimeter of the CD.



- When driving over uneven surfaces, the sound may jump.



- Use discs that have been legitimately produced. If illegally-copied discs such as pirated discs are used, the system may not operate properly.
- Be sure never to touch the signal surface when handling the CDs. Pick up a CD by grasping the outer edge or the edge of the hole and the outer edge.



- Do not stick paper or tape on the CD. Avoid scratching the reverse side (the side without a label). The disc may not eject resulting in a malfunction.
- Dust, finger smudges, and dirt can decrease the amount of light reflected from the signal surface, thus affecting sound quality. If the CD should become soiled, gently wipe it with a soft cloth from the center of the CD to the edge.
- Do not use record sprays, antistatic agents, or household spray cleaners. Volatile chemicals such as benzine and thinner can also damage the surface of the CD and must not be used. Anything that can damage, warp, or fog plastic should never be used to clean CDs.
- Insert discs one by one. If two discs are inserted at the same time, the system may not operate properly.
- Single CD-MP3/WMA Player ejects the CD if the CD is inserted upside down. Also dirty and/or defective CDs may be ejected.
- Do not insert any disc with a peel-off seal affixed to it.

Handling Single CD-MP3/WMA Player

- This unit may not be able to play certain CD-R/CD-RWs made using a computer or music CD recorder due to disc characteristics, scratches, smudges, dirt, etc., or due to dust or condensation on the lens inside the unit.
- Storing CDs in the vehicle exposed to direct sunlight or high temperature may damage the CD-R/CD-RWs, and make them unplayable.
- CD-R/CD-RW exceeding 700 MB cannot be played.
- This unit may not be able to play certain discs made using a computer due to the application (writing software) setting used. (For details, consult the store where the application was purchased.)
- It is possible that certain text data, such as titles, recorded on a CD-R/CD-RW may not be displayed when musical data (CD-DA) is playing.
- The period from when a CD-RW is inserted to when it begins playing is longer than a normal CD or CD-R.
- Completely read the instruction manual and cautions for CD-R/CD-RWs.
- Do not use discs with cellophane tape adhering, partially peeled off labels, or adhesive material exuding from the edges of the CD label. Also, do not use discs with a commercially-available CD-R label affixed. The disc may not eject resulting in a malfunction.

n Operating tips for MP3

NOTE
Supply of this product only conveys a license for private, non-commercial use and does not convey a license nor imply any right to use this product in any commercial (i.e. revenue-generating) real time broadcasting (terrestrial, satellite, cable and/or any other media), broadcasting/streaming via the Internet, intranets and/or other networks or in other electronic content distribution systems, such as pay-audio or audio-ondemand applications. An independent license for such use is required. For details, please visit http://www.mp3licensing.com.

- This audio system handles MP3 files that have been recorded on CD-R/CD-RW/CD-ROMs. Discs that have been recorded using the following formats can be played:
  - ISO 9660 level 1
  - ISO 9660 level 2
  - Joliet extended format
  - Romeo extended format
- This unit handles MP3 files conforming to the MP3 format containing both header frames and data frames.
- If a disc has both music data (CD-DA) and MP3 files, playback of the two file types differs depending on how the disc was recorded.
- Packet written discs cannot be played on this unit.
- This unit does not play CDs recorded using MP3i (MP3 interactive), MP3 PRO and RIFF MP3 formats.

⚠ CAUTION
This unit can only play MP3 files that have an MP3 file extension (.mp3) attached. Do not attach an MP3 file extension to any other type file as it could cause noise to be emitted or a malfunction in the unit.

Specialized glossary

MP3
Abbreviation for “MPEG Audio Layer 3”.
A technical standard for audio compression as decided by an ISO (International Organization for Standardization) MPEG working group.
Use of MP3 allows for audio data to be compressed to approximately a tenth of the source data size.

ISO 9660
An international standard for logical formatting of CD-ROM files and folders.
It is divided into three separate levels based on differences in file naming procedures, data configuration and other characteristics.

Bit rate
Refers to the volume of data per second, expressed in bps (bits per second).
Generally, the larger the number of the transfer bit rate when compressing an MP3 file, the more information regarding musical reproduction it carries, and therefore the better the sound quality.

Packet writing
A general term for the method, similar to that used for floppy discs or hard drives, of recording the required file in a single increment on a CD-R and similar.

n Operating Tips for WMA

WMA is short for Windows Media Audio and is the audio compression format used by Microsoft.
Audio data can be created and stored at a higher compression ratio than MP3.

* Microsoft and Windows Media are registered trademarks of Microsoft Corporation U.S. in the United States and other countries.

Playable WMA file specification
CD-R and CD-RW including WMA files can be played with this unit. Discs which conform to the following formats can be played.
Playable WMA files are as follows:

Item		Content
Specification		Windows Media Audio Version 7.0, 8.0, 9.0
Sampling frequency	Bit rate	32kHz. . . . . 32, 40, 48 kbps
		44.1kHz . . . . . 32, 48, 64, 80, 96, 128, 160, 192, 256, 320 kbps
		48kHz. . . . . 64, 96, 128, 160, 192 kbps
VBR (Variable Bit Rate)		Supported
Channel mode		Stereo/Monaural
WMA tag		Title, artist name, album name

⚠ CAUTION

This unit plays files with the (.wma) file extension as a WMA file. Do not use the WMA file extension for files other than WMA files. It may cause noise or a malfunction.

- In a WMA file, the track name, artist name and album name are recorded with data called “WMA-Tag”, and the information can be displayed.
- WMA files which do not comply with the specific standard may not be played correctly or its file and folder name may not be displayed correctly.
- The file extension may not be provided depending on the computer operating system, version, software, or settings. In this case, add the file extension “.wma” to the end of the file name, and then write the disc.

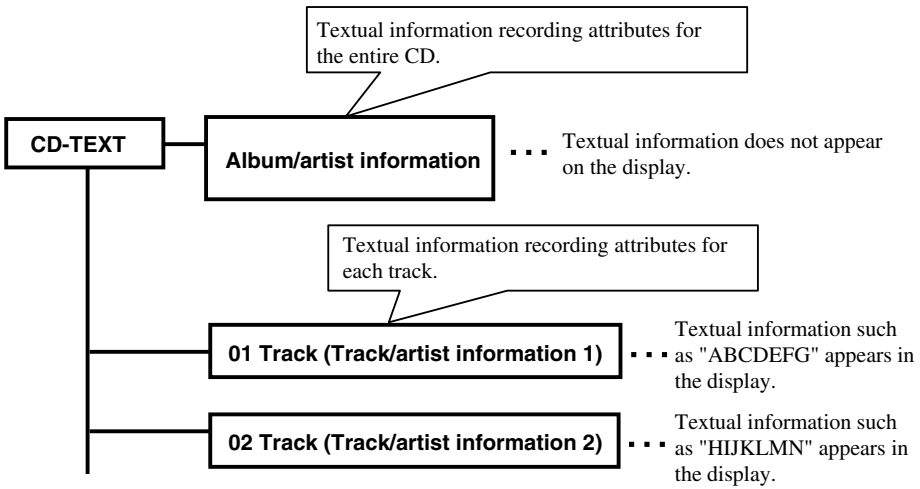
n CD-TEXT

Music CDs are available in which separate music data including album/title names, music name, artist name, and other textual information can be recorded. The data standard for recording textual information to these kinds of music CDs is termed CD-TEXT.

There are two regions of a CD where textual information can be recorded which include regions related to the entire CD (Attributes recorded for the entire CD) and individual track regions (Attributes recorded for individual tracks).

As for this audio unit, textual information (Album/artist information), which can be recorded on individual track regions, appears on the display. Textual information (Artist and other information), which can be recorded to regions related to the entire CD, does not appear on the display.

Unless all the textual information is input in one-byte characters, a dotted line (----) will appear in place of the textual information, even if one of the characters is not a one-byte character (Two-byte character).



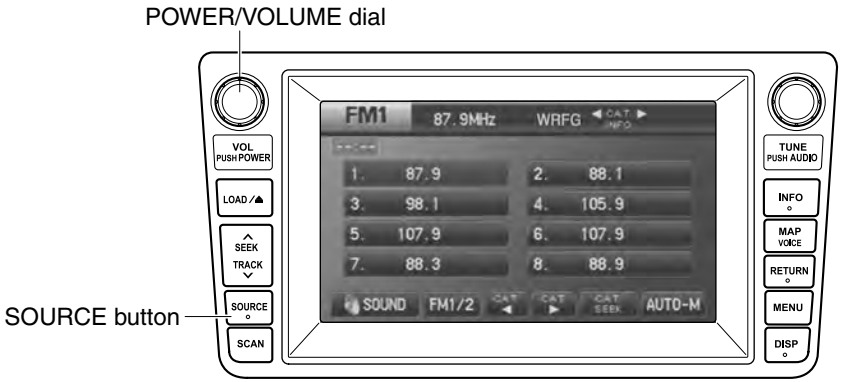
Operating Tips for Display

- **Do not place any objects on the dashboard. If you drop any objects onto the dashboard or spill liquid on it, it may result in system malfunction.**
- **Be careful not to pinch your hands or fingers when the liquid crystal display is closed.**
- **Do not open/close the liquid crystal display manually. It may damage the equipment.**

- The liquid crystal display may not open if the power supply had been interrupted due to the vehicle battery being disconnected.
- If the liquid crystal display stays open/closed (or partly opened) and does not move when the liquid crystal display is pressed, switch the ignition switch and then on again. Then try the open/close operation again. If the liquid crystal display still does not move, contact an Authorized Mazda Dealer.

Beep sound and voice guidance restrictions while using Bluetooth Hands-Free

The beep sound and voice guidance related to the audio operation are not heard while a Bluetooth Hands-Free is being used.



n Power ON/OFF

Switch the ignition switch to the ACC or ON position.
Press the POWER/VOLUME dial to turn the audio system on.
Press the POWER/VOLUME dial again to turn the audio system off.

Note

To prevent the battery from being discharged, do not leave the audio system on for a long period of time when the engine is not running.

n Volume adjustment

To adjust the volume, turn the POWER/VOLUME dial.
Turn the POWER/VOLUME dial to the right to increase volume, to the left to decrease it.

n Audio sound adjustment

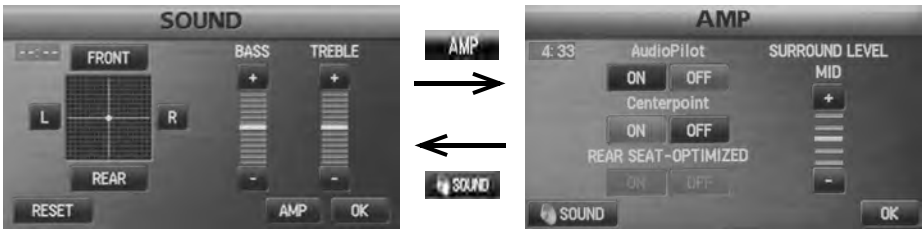
1.Press the SOURCE button.
2.Select the desired on-screen button corresponding to one of the following modes.

- on-screen button : Audio mode (AM band)
- on-screen button : Audio mode (FM band)
- on-screen button : Satellite radio
- on-screen button : CD mode
- , on-screen button : Image and Sound playback is possible using a portable audio player connected to an external input terminal.*
- on-screen button : iPod mode
- on-screen button : BT-Audio mode

*The external input terminal is not equipped on your vehicle because it is not standard equipment.

3.Press the TUNE AUDIO dial to display the sound adjustment screen.

4.Select the SOUND on -screen button to display the sound adjustment screen.



n Sound quality adjustment

TREBLE (treble sound)

Select the + on-screen button to increase treble, and – to decrease.

BASS (low pitch sound)

Select the + on-screen button to increase bass, and – to decrease.

n Volume balance adjustment

Front/back volume balance

Select the FRONT on-screen button to increase the volume at the front, and REAR on-screen button to increase the volume to the back.

Left/right volume balance

Select the R on-screen button to increase the volume to the right, and L on-screen button to increase the volume to the left.

Note

- Pressing an on-screen adjustment button for 0.5 seconds or more progressively changes the adjustment range towards +/–, up/down, or left/right.
- While an adjustment button is selected in this manner, the level indicator will momentarily stop at the medium range position and a beep sound will be heard before proceeding.
- Select the RESET on-screen button to reset bass, treble, and balance.
- To return to the previous screen, select the OK on-screen button.

n AudioPilot®2

AudioPilot®2 automatically adjusts audio volume and sound quality in accordance with the level of noise entering the vehicle interior while driving. When AudioPilot®2 is turned ON, the system automatically calculates the conditions for optimum hearing of sound which may be difficult to hear depending on exterior noise.

Select the AudioPilot®2 on-screen ON button when AudioPilot®2 is on. Select the AudioPilot®2 on-screen OFF button when AudioPilot®2 is off.

AudioPilot®2 is a registered trademark of Bose Corporation.

n Centerpoint®

Centerpoint® offers you the experience of 5.1 channel surround sound in your vehicle even with your conventional 2 channel sound.

Select the Centerpoint on-screen ON button when Centerpoint® is on. Select the Centerpoint on-screen OFF button when Centerpoint® is off.

Note

- Centerpoint® does not work with AM/FM/SIRIUS/AUX/BT-Audio.
- Centerpoint® operates only with a 2-channel stereo CD. Poor sound quality in the audio signal playback could result from playing highly compressed audio such as MP3/WMA with Centerpoint operating.
- If a CD or a DVD is inserted in the Rear Entertainment System main unit and selected as an audio source, and the CD or DVD audio is 5.1 DolbyDigital/DTS audio, Centerpoint® cannot be selected.

Centerpoint® is a registered trademark of Bose Corporation.

n Rear seat-optimized (With Rear Entertainment System)

The rear seat-optimized function allows passengers to optimize the audio output to the rear for a more pleasurable acoustic field.

Select the REAR SEAT-OPTIMIZED on-screen ON button to increase the surround effect to the rear seat. Select the REAR SEAT-OPTIMIZED on-screen OFF button to apply the surround effect to all seats.

Note

Rear seat-optimized is only effective if a CD or a DVD is inserted in the Rear Entertainment System main unit and selected as an audio source, and the CD or DVD audio is 5.1 DolbyDigital/DTS audio.

n Surround

Centerpoint

When Centerpoint is on, the true surround sound effect of Centerpoint can be adjusted to any one of five level between minimum and maximum enhancement.

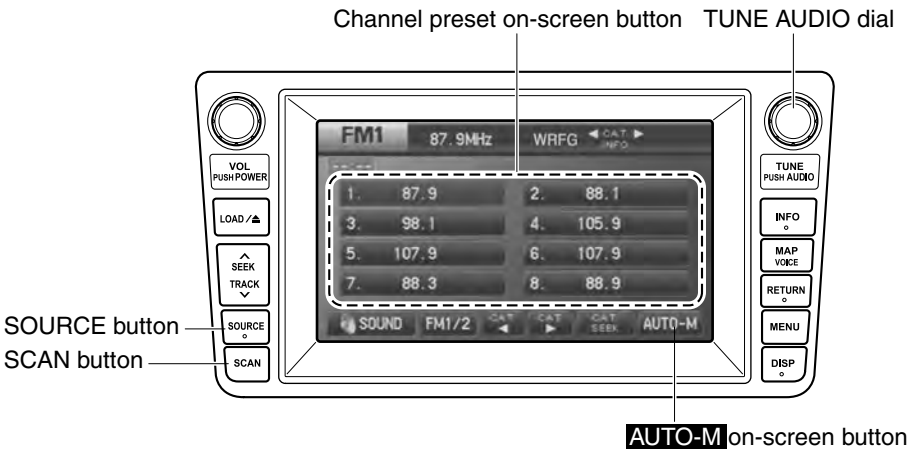
Indication	Enhance change
CENTERPT MIN	Minimum
CENTERPT LOW	Low
CENTERPT MID	Medium
CENTERPT HI	High
CENTERPT MAX	Maximum

Rear seat-optimized

When rear seat-optimized is on, the surround effect can be enjoyed at five separate levels.

Indication	Enhance change
Surround MIN	Minimum
Surround LOW	Low
Surround MID	Medium
Surround HI	High
Surround MAX	Maximum

Operating the Radio



n Radio ON

1.Press the SOURCE button.

2.Select the AM or FM on-screen button to turn the radio on.

n Band selection

Choose AM by pressing the AM on-screen button and FM by pressing the FM on-screen button.

The selected mode will be indicated. If FM stereo is being received, STEREO will be displayed.

n Tuning

The radio has the following tuning methods: Manual, Seek, Scan, Preset channel, PTY(Program-type information) tuning, and Auto memory tuning. The easiest way to tune stations is to set them on preset channels.

Note

- If the FM broadcast signal becomes weak, reception automatically changes from STEREO to MONO for reduced noise, and the STEREO indicator will go out.
- Press the MAP/VOICE button to switch to the map screen.
- If the power supply is interrupted (fuse blows or the battery is disconnected), the preset channels will be canceled.

n Manual tuning

Turning the TUNE AUDIO dial will change the frequency higher or lower.

n Seek tuning

Pressing and holding the SEEK/TRACK button (∧, ∨) will cause the tuner to seek a higher or lower frequency automatically.

Note

If you continue to press and hold the button, the frequency will continue changing without stopping.

n Scan tuning

Press the SCAN button to automatically sample strong stations.
Scanning stops at each station for about 5 seconds. To hold a station, press the SCAN button again during this interval.

n Switching between FM1 and FM2

Press the FM1/2 on-screen button to switch between FM1 and FM2.

n Preset channel tuning

The 8 preset channels can be used to store 8 AM and 16 FM stations.

1. To set a channel first select AM, FM1, or FM2. Tune to the desired station.
2. Press the TUNE AUDIO dial.
3. Select any channel preset on-screen button for about 2 seconds until a beep sound is heard. The selected preset channel number and station frequency will be displayed. The station is now held in the memory.
4. Repeat this operation for the other stations and bands you want to store. To tune one in the memory, select AM, FM1, or FM2 and then press its channel preset button. The station frequency and the channel number will be displayed.

n PTY(Program-type information) tuning (FM1, FM2 Only)

Station reception is possible after the station is selected from the desired category.

1. Press the CAT ◀ and CAT ▶ on-screen button, and select the desired category.
2. Press the CAT SEEK on-screen button and search for stations which can be received in the selected category.
3. Select the desired station.

Note

If the station in the selected category is not found, the search is finished.

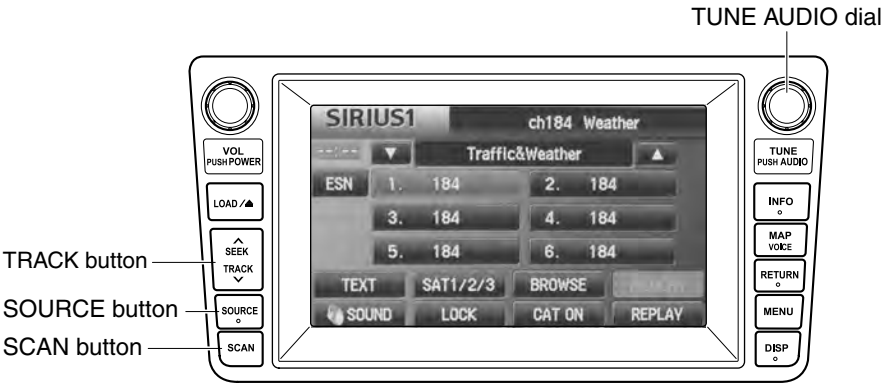
n Auto memory tuning

This is especially useful when driving in an area where the local radio stations are not known. Additional AM/FM stations can be stored without disturbing the previously set channels.

Select and hold the AUTO-M on-screen button for about 2 seconds until a beep sound is heard; the system will automatically scan and temporarily store up to 8 stations with the strongest frequencies in each selected band in that area.

n Audio Sound Adjustment

Refer to “Power/Volume/Sound Controls” (☞ page 82).



Used on vehicles equipped with the DLP* unit.
* DLP: Down Link Processor (SATELLITE RADIO Module)

n What is satellite radio?

With over 130 channels, SIRIUS Satellite Radio brings you more of what you love. Get 69 channels of 100% commercial-free music, plus all your favorite sports, news, talk and entertainment. Everything worth listening to is now on SIRIUS.

100% Commercial-free Music — With music from every genre, artist-dedicated channels, live performances and more, SIRIUS is the home of 100% commercial-free music.

Live Sports Play-by-Play & Expert Talk — Hear every NFL game, every NASCAR® race and college sports coverage from over 150 schools. Plus 24/7 sports talk with channels like SIRIUS NFL Radio, SIRIUS NASCAR Radio and more.

Exclusive Entertainment and Talk — The biggest names, compelling talk, hilarious comedy. Hear Howard Stern, Martha Stewart, Jamie Foxx, Blue Collar Comedy, Playboy Radio, political talk and more.

World-class News — Stay informed with FOX, CNN, CNBC, NPR®, BBC and more. Plus local traffic and weather.

Family & Kids — Entertain the entire family with Radio Disney, Kids Place Live, Laugh USA and more.

Sign up for SIRIUS Radio today! For more information, visit www.sirius.com.
Satellite radio can be subscribed to and received in the United States. (Except Alaska and Hawaii) and Canada.

n How to Activate Satellite Radio

You must call SIRIUS to activate your service. Activation is free and takes only a few minutes.

SIRIUS service uses an ID code to identify your radio. This code is needed to activate SIRIUS service, and report any problems.

To activate you SIRIUS radio tuner, call a SIRIUS customer service specialist at 1-888-539-7474 or you can visit SIRIUS online at www.sirius.com

Please have the following information ready:

- SIRIUS ID (12-digit electronic serial no., or ESN)
- Valid credit card information (may not be required at initial sign-up)

Be sure you are parked outside with a clear view of open sky, you will be instructed to turn on your radio (in SAT mode and tuned to channel 184). Activation typically takes only 2-5 minutes.

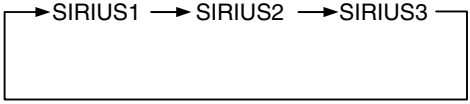
*ESN: Electronic Serial Number

n Selecting SIRIUS Radio Mode

1. Press the SOURCE button.
2. Press the on-screen button

   When the on-screen button is pressed, it will play the last selected SIRIUS channel.

3. Each time the SAT1/2/3 on-screen button is pressed, the satellite selection changes in the order shown below.



System initializing

It may take 30 to 120 seconds for the system to start up while it is initializing or after the SIRIUS channel map has been changed.
During start up, the following will be displayed.
'UPDATING CHANNELS XX% COMPLETE' or 'UPDATING CHANNELS' appears.

When information on all channel maps is obtained and the system is ready, channel '184' is received.
When switching to a source other than SIRIUS radio mode, the last active channel is stored and will be the first channel accessed upon activating SIRIUS radio mode again.

n Channel Selection

Using the TUNE AUDIO dial

Turn the TUNE AUDIO dial to select the desired channel number.

- Turn the knob clockwise to step-up the channel number.
- Turn the knob counterclockwise to step-down the channel number.

Using the TRACK button

Press the TRACK button with a short press to step-up (down) the channel.
When the TRACK button (UP or DOWN) is held pressed, the system will continue to step-up (down) the channel until the button is released.

n Scanning for Subscribed Channels

Press the SCAN button to begin searching through your subscribed channels.
When the system reaches a subscribed channel it plays the channel for 5 seconds before going to the next subscribed channel. After reaching the subscribed channel with the highest number, the search resumes from the subscribed channel with the lowest number and scans forward.

Note

To search for channels in the category currently displayed, press the SCAN button when in the category mode.

n Unsubscribed Channels

Navigation system display: ‘CALL 888-539-SIRIUS TO SUBSCRIBE’ is displayed.
Information display: ‘CALL 888’ and ‘539 SIRI’ (Flashes alternately)

Note

When the subscription contract is canceled all of the channels, except channel 184, appear as unsubscribed.

n Invalid Channels

When a selected channel is not broadcasting, the display indicates the following:
Navigation system display: ‘INVALID CHANNEL’ is displayed
Information display: ‘SR (bank number) INVALID’ and ‘SR (bank number) CHANNEL’ (Flashes alternately)
SR: Satellite Radio

Note

If the last channel selected is no longer unavailable because of a channel update, the above indication is displayed until any other valid channel is selected.

Channel preset on-screen button

n Preset Channel Programming

1. Select the channel you want to store.
2. Hold down the channel preset on-screen button (1-6) briefly.
   You will hear a beep sound to indicate that the channel has been stored.
3. The channel number for the channel preset on-screen button changes.

Note

Six stations can be stored in each of the SR banks 1, 2, and 3 for convenient access to your favorite stations.

n Preset Channel Call-up

Press the channel preset on-screen button (1-6).

Note

In the initial setting, all channels are preset to 184.

n Category Mode On/Off

ON

(When doing a TUNE/SEEK within the selected category)

When the CAT ON on-screen button is pressed, 'Tune/seek within selected category only' appears for six seconds. ‘CATEGORY’ is displayed on the left side of the channel number.

OFF

(When doing a TUNE/SEEK outside of the category mode)

While in category mode, press the CAT ON on-screen button. (The on-screen button display changes to CAT OFF.)

‘Tune/seek among all available Sirius channels’ appears for 6 seconds, and ‘CATEGORY’ is no longer displayed.

Note

Pressing the channel preset on-screen button (1-6) during category mode will exit the category mode and play the selected channel.

n Category Change

Press the category select on-screen button (▲ or ▼) and select the desired category.

- Press the ▲ button to scroll the categories upward.
- Press the ▼: to scroll the categories downward.

The channel with the lowest number within the category indicated is received.
When the channel with the highest number within the category is reached, scrolling will resume from the channel with the lowest number in the category.

n Channel Selection Within a Category

Pressing the TRACK button (UP or DOWN) moves the channel number up/down in the present category.

When the channel preset on-screen button is pressed in the category mode

When a channel preset button (1-6) is pressed while in the 'CATEGORY ON' mode, the service channel will be changed. When the button is pressed the mode switches to 'CATEGORY OFF' mode. (The same applies when pressing the SAT on-screen button.)

Press the BROWSE on-screen button

All the channels (programs) in the category are displayed.

Press the LIST CATEGORIES on-screen button.

All the categories are displayed.

n Channel Number, Channel Name, Category, Artist, Song Titles and Info Display

Press the TEXT on-screen button.

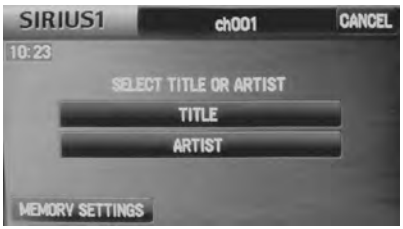
Channel name, song title, artist name and INFO are displayed.

Song title, Artist name, INFO display

- Press the ▶ on-screen button to display the last characters of the name.

To return to the display of the preset channels, press the PRESETS on-screen button.

n Programming Your Favorites into Memory



1. Press the MEMORY on-screen button.
2. 'SELECT TITLE OR ARTIST' or 'SELECT TEAM' is displayed, and the items to be registered will appear below it.
3. When one of the items is selected from the list, 'TITLE/ARTIST/TEAM STORED' will be displayed for three seconds, and the program registration is completed.

- If program registration information is not included in the program during reception, the MEMORY, TITLE, and ARTIST buttons remain grayed out.

Memory contents confirmation and setting

1. When the MEMORY SETTINGS on-screen button is pressed, 'TITLE/ARTIST/TEAM MEMORY LIST' is displayed to confirm the program registered in the memory.

- If there are four or more items registered, scroll up or down using the ▼ or ▲ on-screen button to select the desired item.
- To delete an item, select it from the list and press the DELETE on-screen button.
- Switch the SONG SEEK ON / OFF on-screen buttons according to whether the seek alert function is used.

Note

- Ten items can be registered in each of the three memory lists (TITLE/ARTIST/TEAM). If ten items are exceeded, 'TITLE/ARTIST/TEAM MEMORY FULL' is displayed and the confirmation screen will appear to inform you that the chronologically oldest program is to be overwritten.
- Ten different types of sports programs are available (NFL, NHL, NBA, MLB, Soccer, Auto Racing, College Football, College Basketball, Other). Your favorite teams can be registered in each.

n Seek Alert

This function informs you that the registered program goes on the air except when it has already been received. (The above screen is displayed when the previously registered program ID, artist ID, or sport ID is identified.)

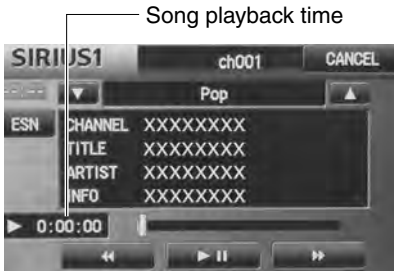
If there are 4 or more items in the list (4 or more registered programs are on the air simultaneously), the previous/next page is displayed by pressing the ▲ or ▼ on-screen button.
If a program name is too long to be displayed in whole, the remaining part is displayed by pressing the ▶ button.

When a desired program is selected from the list, the channel is changed to start the selected program.

When you do not select from the list, press the CANCEL on-screen button to return to its original display.

n Instant Replay

This function allows you to rewind and replay the program that you were previously or are currently listening to.



Press the REPLAY on-screen button.

When the ◀◀ on-screen button is briefly pressed (about 0.5 seconds), playback starts from the beginning of the current program.

When the ◀◀ on-screen button is pressed twice, playback starts from the beginning of the previous program.

When the ◀◀ on-screen button is pressed and held, the track rewinds in 5-second intervals while the button is being pressed. If the ◀◀ on-screen button is pressed for 10 seconds or longer, the rewind time intervals change every 10 seconds while the button is being pressed in increments of 15 seconds, 30 seconds, and 1 minute.

When the ▶▶ on-screen button is briefly pressed (about 0.5 seconds), playback starts from the beginning of the next program.

When the ▶▶ on-screen button is pressed and held, the track is fast-forwarded in 5-second intervals while the button is being pressed. If the ▶▶ on-screen button is pressed for 10 seconds or longer, the fast-forward time intervals change every 10 seconds while the button is being pressed in increments of 15 seconds, 30 seconds, and 1 minute.

When the ▶II on-screen button is briefly pressed, playback is temporarily stopped, or playback starts if it has been temporarily stopped.

When the CANCEL on-screen button is pressed, the instant replay mode is cancelled and returns to the current program.

Note

The instant replay mode cannot be cancelled without pressing the CANCEL on-screen button even when the display of the song playback time returns to '0:00:00'.

n Displaying the SIRIUS ID (ESN)

1. Press the ESN on-screen button.
2. A 12-digit Electronic Serial Number (ESN) for the SIRIUS tuner is displayed

n Initialization of PIN Code

If you have forgotten the registered PIN code, return the PIN code to the default ‘0000’ by performing the following steps:

Master code input preparation

1. Press the LOCK on-screen button.
2. The screen changes to Parental Lock mode and ‘INPUT PIN ----’ is displayed.
3. Press the INITIALIZE on-screen button.
4. ‘INPUT MASTER CODE ----’ is displayed.

Master code input

5. Input the master code. (☞ page 98)
   (The master code is already set at the time of factory shipment.)

Master code input determination

6. Determine the master code which has been input by pressing the ENTER on-screen button briefly.
7. ‘PIN CLEARED’ appears which indicates that the master code input has been completed.
8. The PIN code is set to the default ‘0000’ and the initialization process is completed.

Note

- If an PIN code is not input for ten seconds, the system returns to the previous screen.
- If the input code does not match the registered code, ‘Wrong PIN was input. Please input PIN again.’ is displayed for three seconds, and the system returns to the former display.

n Changing the PIN Code

Registered PIN code input

1. Press the LOCK on-screen button.
2. The screen changes to Parental Lock mode and ‘INPUT PIN ----’ is displayed.
3. Press the CHANGE on-screen button.
4. ‘INPUT CURRENT PIN ----’ is displayed. Input your currently registered PIN code.

Example : If the currently registered PIN code is ‘2323’, input ‘2323’.

Note

The registered PIN code at the time of shipment from the factory is the default '0000'.

Confirming the currently registered PIN code

5. Confirm your currently registered PIN code by short-pressing the ENTER on-screen button.
6. If it matches with the previously registered PIN code, 'INPUT NEW PIN' is displayed.

New PIN code input

7. Input a new PIN code.
   Example: If the new PIN code is ‘1234’, input as ‘1234’.

New PIN code input confirmation

8. Confirm the newly input PIN code by short-pressing the ENTER on-screen button.
9. ‘PIN CHANGED’ appears for three seconds to indicate that the new PIN code input is registered.

Note

- If a PIN code is not input within ten seconds, the system returns to the previous screen.
- If the input PIN code does not match the registered PIN code, ‘Wrong PIN was input. Please input PIN again.’ is displayed for three seconds and the system returns to the PIN code input screen.

n Individual Channel Locking

If a channel is locked, the channel is muted.

Note

If the registered PIN code is forgotten, return the PIN code to the default ‘0000’.
(☞ page 96)

Locking a channel

1. Select a channel to be locked by pressing the TRACK button or turning the TUNE AUDIO dial.
   Example: Select channel 100

Registered PIN code input preparation

2. Press the LOCK on-screen button.
3. The screen changes to Parental Lock mode and ‘INPUT PIN ----’ is displayed.

Registered PIN code input

4. Press the INPUT on-screen button.
5. Input the 4-digit registered PIN code.
   Example: If the registered PIN code is ‘2323’, input ‘2323’.

Registered PIN code input confirmation

6. Confirm the input PIN code by pressing the ENTER on-screen button.
7. If it matches with the registered PIN code, ‘LOCKED’ is displayed.
8. The parental lock is activated. At this time, mute is on and no sound is heard.

Note

- If a PIN code is not input for ten seconds, the system returns to the previous screen.
- If the input PIN code does not match the registered PIN code, ‘Wrong PIN was input. Please input the PIN again.’ is displayed for three seconds and the system returns to the PIN code input screen.

n Lock Cancellation

Unlocking a channel

1. Select the channel to be unlocked.

Registered PIN code input

2. Press the LOCK on-screen button.
3. Screen changes to Parental Lock mode and ‘INPUT PIN ----’ is displayed.
4. Press the INPUT on-screen button.
5. Input the 4-digits registered PIN code.
   Example :
   If the registered PIN code is ‘2323’, input ‘2323’.

Registered PIN code input confirmation

6. Confirm the input PIN code by short-pressing the ENTER on-screen button.

7. If the PIN code matches the previously registered PIN code, the system returns to the normal mode.
8. The parental lock is now released. At this time, mute is off and the sound can be heard.

Note

- If an PIN code is not input for ten seconds, the system returns to the previous screen.
- If the input PIN code does not match the registered PIN code, 'Wrong PIN was input. Please input the PIN again.' is displayed for three seconds and the system returns to the PIN code input screen.

n Master Code

The Master Code is used to initialize or re-initialize the PIN code in the event that the code is not set to '0000' and/or the personalized PIN code is not known. The initialization process resets the PIN code to '0000'. The master code can potentially defeat the intent of the security of the parental lock if it is located by persons not authorized by the owner to access certain channels.

SIRIUS Satellite Radio Master Code: '0913'

n Error Signs

(1) Depending on the surrounding conditions (such as large trees, buildings, or tunnels) and special weather conditions, the reception of SIRIUS radio waves may be decreased or temporarily interrupted. 'ACQUIRING SIGNAL' may appear.

The 'ACQUIRING SIGNAL' message will clear after one of the following occurs:

1. When the AM, FM, DISC, AUX1, AUX2, iPod or BT-Audio on-screen button is pressed.
2. When the weather conditions have been improved.

(2) In case of an antenna malfunction, 'ANTENNA FAIL' is displayed.
Check the satellite radio antenna (refer to the 'Antenna' in the owner's manual.), antenna cable and DLP antenna connector.

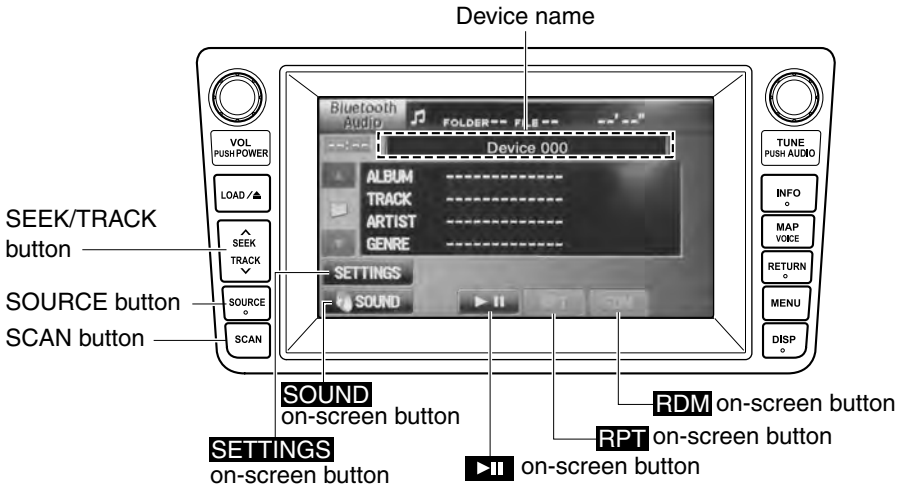
The 'ANTENNA FAIL' message will clear after the antenna connection failure has been restored.

Note

If a broken DLP* unit is replaced with a new unit, cancel the license for the broken unit and make sure to carry out new registration for the replaced unit. If the license for the broken unit is not canceled, you will be charged a reception fee for both units.

* DLP: Down Link Processor (SATELLITE RADIO Module)

Operating the Bluetooth Audio



On-screen buttons other than those specified in the above figure are not functional.

n What is Bluetooth Audio?

By pairing portable audio devices equipped with the Bluetooth communication function to the vehicle's Bluetooth unit, you can listen to music or audio recorded on these audio devices from the vehicle's speakers.
After pairing, operate the audio system's control panel or the navigation system to play/stop the music or audio.

> **Caution**
>
> Always pair audio devices to the Bluetooth audio system while the vehicle is stopped.
> Because only specified Bluetooth audio devices can be used, consult an Authorized Mazda Dealer when purchasing or changing devices.
> Bluetooth audio devices which correspond to specified Bluetooth versions and profiles can be Bluetooth-connected to the vehicle's Bluetooth unit, however, even among these devices are ones which cannot be Bluetooth-connected or have limited functionality. Each device to be used with the vehicle's Bluetooth unit needs to be checked individually for compatibility. Consult an Authorized Mazda Dealer concerning device compatibility.
> •Phone : 800-430-0153
> •Web : www.MazdaUSA.com/bluetooth

Bluetooth version : Ver. 2.0 or higher Profile Audio profile
Response profile
- HFP (Hands Free Profile) Ver. 1.0/1.5
- DUN (Dial-up Networking Profile) Ver. 1.1
- PBAP (Phone Book Access Profile) Ver. 1.0
- A2DP (Advanced Audio Distribution Profile) Ver. 1.2
- AVRCP (Audio/Video Remote Control Profile) Ver. 1.0/1.3
- OPP (Object Push Profile) Ver. 1.0

A2DP is a profile which transmits only audio to the Bluetooth unit. If your Bluetooth audio device corresponds only to A2DP, but not AVRCP, you cannot operate it using the control panel of the vehicle's audio or navigation systems. In this case, the Bluetooth audio device can be operated by controlling the device itself, the same as when a portable audio system without the Bluetooth communication function is connected to the AUX terminal.

Function	A2DP	A2DP+AVRCP
Playback	No	Yes
Pause	No	Yes
File(Track) up/down	No	Yes

Yes: Available
No: Not available

Bluetooth is the registered trademark of Bluetooth SIG. Inc.

Note

- It may not be possible to play a Bluetooth audio device if it is placed anywhere transmission is compromised, such as inside a metal container or the trunk. Move the Bluetooth audio device to a location where transmission is possible.
- Battery consumption of Bluetooth audio devices is higher while Bluetooth-connected.
- If a non-Bluetooth device is to be used, a commercially-available Bluetooth adapter is required. When playing an audio device with a Bluetooth adapter installed, pairing of the audio device may not be possible or audio may not be heard from the vehicle speakers if the connection of the adapter and the device is poor. If this happens, check if the Bluetooth adapter is properly connected.

n Bluetooth audio device pairing

Any Bluetooth audio device must be paired to the vehicle's Bluetooth unit before it can be listened to over the vehicle's speakers.
A maximum of seven devices including Bluetooth audio devices and hands-free mobile phones can be paired to one vehicle.

Note

- Always perform Bluetooth audio device pairing while the vehicle is stopped.
- If a Bluetooth device has already been paired to the vehicle as a hands-free mobile phone, it does not need to be paired again when using the device as a Bluetooth audio device. Conversely, it does not need to be paired again as a hands-free mobile phone if it has already been paired as a Bluetooth audio device.
- The transmission range of a Bluetooth audio device is about 10 m (32 ft).
- Therefore, if there is another Bluetooth audio device within a 10 m (32 ft) radius of the vehicle, the device may be identified and paired instead.

Concerning the operation of a Bluetooth audio device itself, refer to its instruction manual. Some Bluetooth audio devices have PIN codes (four digits). Refer to the audio device's instruction manual because the pairing procedure differs depending on whether it has a PIN code or not.

1. Press the SOURCE button.
2. Press the on-screen button.

3. Press the SETTINGS on-screen button.

4. Press the Pair/Select Device on-screen button.

5. Press the ADD NEW on-screen button.

6. A “Pairing is in progress. Please start pairing procedure on your Bluetooth device.” message with a PIN number is displayed.
7. Set the PIN code using the Bluetooth audio device. Refer to the instruction manual accompanying each Bluetooth device for details.
8. If the pairing is successful, the Bluetooth audio name is displayed with a message "PAIRING COMPLETE".

Note

- The Bluetooth audio device needs to be operated for pairing it to the vehicle's Bluetooth unit. Refer to the audio device's instruction manual for the pairing procedure.
- If the pairing failed, a message indicating a pairing error is displayed for three seconds then the screen returns to the normal display.
- Pairing cannot be performed while the vehicle is moving. When the vehicle starts to move, the buttons other than the BACK on-screen button are grayed out.
- If seven Bluetooth audio devices have been already paired, additional pairing cannot be performed. Delete one paired Bluetooth audio device to pair another one.

n Deleting the link to a Bluetooth audio device

1. Press the SOURCE button.
2. Press the BT-Audio on-screen button.

3. Press the SETTINGS on-screen button.

4. Press the Pair/Select Device on-screen button.

On-screen buttons for paired Bluetooth audio divices

5. Press the on-screen button of the Bluetooth audio device you would like to delete from the paired Bluetooth audio devices.

6. Press the DELETE on-screen button.

7. A confirmation screen is displayed to ask if the device is deleted. If the OK on-screen button is pressed, the paired Bluetooth audio device can be deleted.

Note

- If the paired Bluetooth audio device deletion failed, a message indicating a deletion failure is displayed for three seconds then the screen returns to the normal display.
- Pairing cannot be performed while the vehicle is moving. When the vehicle starts to move, the buttons other than the BACK on-screen button are grayed out.

n Changing paired Bluetooth device

1. Press the SOURCE button.
2. Press the on-screen button.

3. Press the SETTINGS on-screen button.

4. Press the Pair/Select Device on-screen button.

On-screen buttons for paired Bluetooth audio divices

5. Press the on-screen button of the Bluetooth device you would like to choose from the paired Bluetooth devices.
   - : Completed pairing as Hands-free mobile phone. Highlighted while connected.
   - : Completed pairing as Bluetooth audio device. Highlighted while connected.

6. The Bluetooth Device Setting screen is displayed.
   - DEVICE NAME: Name of the Bluetooth device
   - PHONE: Status as Hands-free mobile phone
   - AUDIO: Status as Bluetooth audio device
7. If the PHONE or AUDIO CONNECT on-screen button is pressed, the selected phone or audio function becomes operable.

Note

- If “Not supported” is displayed on the Bluetooth Device Setting screen, the device is not supported for use with a Hands-free mobile phone or Bluetooth audio device.
- If “Disconnected” is displayed on the Bluetooth Device Setting screen, the device is supported for use with a Hands-free mobile phone or Bluetooth audio device, but cannot be used because it is not connected. If the CONNECT on-screen button is pressed, the device is connected and becomes enabled.
- If “Connected” is displayed, the device is supported for use with a Hands-free mobile phone or Bluetooth audio device, and is currently being enabled.

n How to use the Bluetooth Audio system

Switching to Bluetooth audio mode

To listen music or voice audio recorded to a Bluetooth audio device, switch to the Bluetooth audio mode to operate the audio device using the audio system or navigation system control panels. Any Bluetooth audio device must be paired to the vehicle’s Bluetooth unit before it can be used. Refer to “Bluetooth audio device pairing”. (☞ page 100)

1. Press the SOURCE button.
2. Press the BT-Audio on-screen button.

3. The audio recorded to the Bluetooth audio device begins playback.

Note

- If playback is not possible, press the ▶II on-screen button after checking the Bluetooth device settings.
- If the mode is switched from Bluetooth audio mode to another mode (radio mode), audio playback from the Bluetooth audio device stops.
- If a call is received on a hands-free mobile phone during playback from the Bluetooth audio device, the playback is stopped. Playback from the Bluetooth audio device resumes after the call ends.

Playback

1. Press the SOURCE button.
2. To listen to a Bluetooth audio device over the vehicle’s speaker system, switch the mode to Bluetooth audio mode. Refer to "Switching to Bluetooth audio mode".

3. To stop playback, press the ►II on-screen button.
   Press the button again to resume playback.

Fast-Forward
Long-press the SEEK/TRACK up button to fast-forward the track. Fast-forward stops when the button is no longer pressed.
Rewind
Long-press the SEEK/TRACK up button to reverse the track. Reverse stops when the button is no longer pressed.
Track up
Short-press the SEEK/TRACK up button to select the beginning of the next track.
Track down
Short-press the SEEK/TRACK down button to select the beginning of the current track.
Folder up
Press the ▲ on-screen button to select the next folder.
Folder down
Press the ▼ on-screen button to select the previous folder.
Scan
Press the SCAN button to select the beginning of the selected track.
Repeat
Press the RPT on-screen button to repeat play. Press the RPT on-screen button to switch the repeat mode.

OFF → RPT → FOLDER.RPT → ALL RPT

RPT: Repeats the selected track.
FOLDER.RPT: Repeats the selected track in the folder.
ALL RPT: Repeats the selected track in the Bluetooth device.
Random
Press the RDM on-screen button to play a track randomly. Press the RDM on-screen button to switch the random mode.

OFF → RDM → FOLDER.RDM

RDM: Plays the selected track in the Bluetooth device randomly.
FOLDER.RDM: Plays the selected track in the folder randomly.

Note

- Some functions may not operate or operations may differ depending on the Bluetooth device.
  Consult an Authorized Mazda Dealer for information concerning the device.

n Setting the Passcode

The system cannot be activated unless the previously set passcode is input.

1. Press the SOURCE button.
2. Press the BT-Audio on-screen button.

3. Press the SETTINGS on-screen button.

4. Press the Passcode Enable on-screen button to switch to the Input Bluetooth Passcode screen.
   - Press the BACK on-screen button to return to the Bluetooth Audio screen.

5. After inputting the 4-digit passcode, press the OK on-screen button.
   - Press the CANCEL on-screen button to return to the Bluetooth Setting screen.

Note

- If the Passcode Disable on-screen button is pressed while Passcode has been enabled, Passcode is disabled.

n Setting the PIN code

1. Press the SOURCE button.
2. Press the BT-Audio on-screen button.

3. Press the SETTINGS on-screen button.

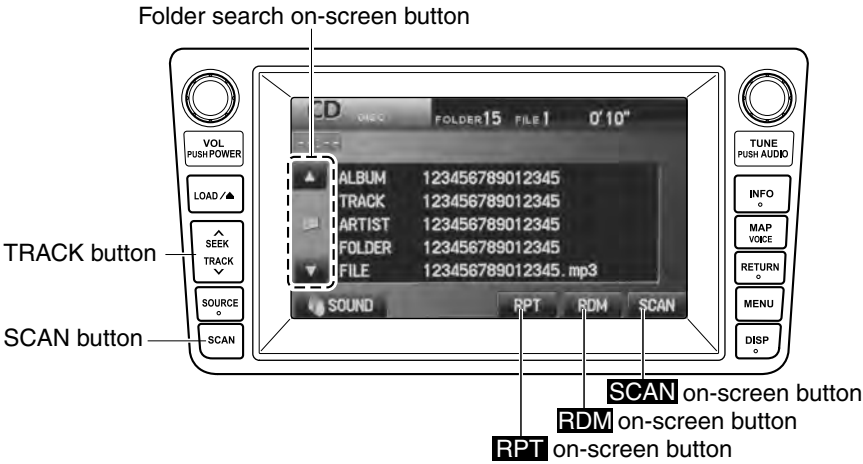
4. Press the PIN Settings on-screen button to switch to the Input Bluetooth PIN screen.
   - Press the BACK on-screen button to return to the Bluetooth Audio screen.

5. After inputting the 4-digit PIN code, press the OK on-screen button.
   - Press the CANCEL on-screen button to return to the Bluetooth Settings screen.

Note

- The default PIN code is “0000”.

Operating Single CD-MP3/WMA Player



n Inserting the CD

The display must be open (lowered) to insert the CD.

The CD must be label-side up when inserting. The auto-loading mechanism will set the CD and begin play. There will be a short lapse before play begins while the player reads the digital signals on the CD.

Note

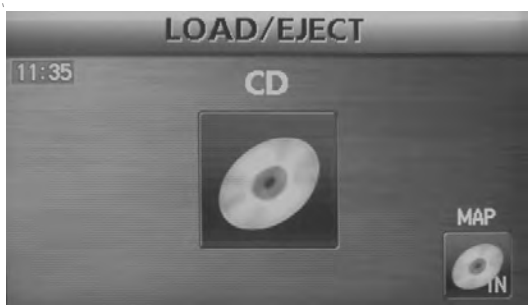
"IN" is displayed on a CD that is inserted.

n During CD playback

The album title, the track title, and the artist name will be displayed.

n During MP3/WMA CD playback

The album title, the track title, the folder name, the file number, and the artist name will be displayed.



Note

The CD will begin playback automatically after insertion.

n Normal insertion

1.Press the LOAD/▲ button.

2.Press the on-screen button lightly.
The display opens.

3.Lightly insert the CD after “DISC IN” is displayed. The CD will be inserted and played automatically after the display is closed.

Note

- The CD loading operation cancels 15 seconds after "DISC IN" is displayed or if the LOAD/▲ button is pressed again.

n Normal ejection

1.Press the LOAD/▲ button.

2.Press the on-screen button lightly.

3.The CD ejects after the display is opened.

4.The display closes automatically after the ejection is fully completed.

Note

- If the CD is not removed from the slot within 15 seconds, it will be re-inserted. When this happens, or if the LOAD/▲ button is pressed again, the CD ejecting operation will be canceled.
- The display does not close immediately even after the CD is ejected.

n Playing

1.Press the SOURCE button.

2.Press the on -screen button.

The song information will be displayed during playback.

Note

Press the TUNE AUDIO dial if the following screen is not displayed.

Music CD

MP3/WMA CD

Note

- "-------" will be displayed for files without a file, track or other name input.
- This unit can read English (including numerals) one-byte characters.
- The displayable number of characters on each title is a maximum of 64.

(Music CDs)

- Although textual information (Track/artist information) recorded to each track appears in the display, textual information (Album/artist information) recorded for the entire CD does not appear in the display.
  For details, refer to "CD-TEXT". (☞ page 80)

Select the ▶ on-screen button if the whole title cannot be displayed at one time. The screen changes to display the rest of the characters.

n Fast-forward/Reverse

Press and hold the SEEK/TRACK up button (∧) to advance through a track at high speed until a beep sound is heard.

Press and hold the SEEK/TRACK down button (∨) to reverse through a track at high speed until a beep sound is heard.

n Track search

Press the SEEK/TRACK up button (∧) once to skip forward to the beginning of the next track.

Press the SEEK/TRACK down button (∨) once to skip back to the beginning of the current track.

Press the SEEK/TRACK down button (∨) during track search to skip back to the beginning of the previous track.

n Folder search (during MP3/WMA CD playback)

To change to the previous folder, select the ▼ on-screen button, or select the ▲ on-screen button to advance to the next folder.

n Music scan

This feature helps to find a program by playing about the first 10 seconds of each track.

Press the SCAN on-screen button or the SCAN button during play to start scan play operation (the track number will flash).

Press the SCAN on-screen button or the SCAN button once again to cancel scan play.

Note

If the unit is left in scan, normal play will resume where scan was selected.

n Repeat play

During music CD playback

1.Select the RPT on-screen button during playback to play the current track repeatedly.

2.Select the button again to cancel the repeat play.

During MP3/WMA CD playback

(Track repeat)

1.Select the RPT on-screen button during playback to play the current track repeatedly.

2.To cancel the repeat play, select the button again after 3 seconds.

(Folder repeat)

1.Select the RPT on-screen button during playback, and then select the button again within 3 seconds to play the tracks in the current folder repeatedly.

2.Select the button again to cancel the repeat play.

n Random play

Tracks are randomly selected and played.

During music CD playback

1.Select the RDM on-screen button during playback to play the tracks on the CD randomly.

2.Select the button again to cancel the random play.

During MP3/WMA CD playback

(Folder random)

1.Select the RDM on-screen button during playback to play the tracks in the folder randomly.

2.To cancel the random play, press the button again after 3 seconds.

(DISC random)

1.Select the RDM on-screen button during playback, and then select the button again within 3 seconds to play the tracks on the CD randomly.

2.Select the button again to cancel the random play.

n Audio sound adjustment

Refer to “Power/Volume/Sound Controls”. (☞ page 82)

Memo

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Rear View Monitor

The rear view monitor is a visual assist system when reversing the vehicle that provides images from the rear of the vehicle. For details, refer to the "Rear View Monitor" in the owner's manual.

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Bluetooth Hands-Free

Operating the Bluetooth Hands-Free

n What is Bluetooth Hands-Free?

By connecting a Bluetooth equipped mobile telephone to the hands-free unit equipped on the vehicle, making and receiving calls are possible using the voice recognition switch, Pick-up button and Hang-up button located on the steering wheel, and saying the voice commands.
A Bluetooth equipped mobile telephone communicates with the hands-free unit equipped on the vehicle using radio transmission (Bluetooth).
For example, if the mobile telephone is placed in a coat pocket, the phone calls can be made through your mobile service without direct use of the mobile telephone.
Refer to the “Bluetooth Hands-Free” in the owner’s manual.

The types of mobile phones which can be connected to the hands-free unit are limited, so before purchasing or changing your mobile phone model, consult an Authorized Mazda Dealer.
Mobile phones which can be connected to the hands-free system need to be compliant with Bluetooth specifications and the appropriate profile, however, even among these Bluetooth phones are some which will not connect with your Mazda or will have limited function.
Therefore, consult Mazda Bluetooth Hands-Free Customer Service for information regarding mobile phone compatibility:
- Phone : 800-430-0153
- Web : www.MazdaUSA.com/bluetooth

Applicable Bluetooth specification: Ver. 2.0 or higher

Response profile
- HFP (Hands Free Profile) Ver. 1.0/1.5
- DUN (Dial-up Networking Profile) Ver. 1.1
- PBAP (Phone Book Access Profile) Ver. 1.0
- A2DP (Advanced Audio Distribution Profile) Ver. 1.2
- AVRCP (Audio/Video Remote Control Profile) Ver. 1.0/1.3
- OPP (Object Push Profile) Ver. 1.0

Bluetooth®

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Note

- If the ignition switch is turned off during a hands-free call, the line is transferred to the mobile telephone automatically.
- If the mobile telephone is in a location where radio reception is difficult such as a metal container or in the trunk, the call may not be connected using Bluetooth. If communication is not possible, change the location of the mobile telephone.

n Mobile telephone pairing

To use Bluetooth Hands-Free, the phone has to be paired to the hands-free unit using the following procedure. A maximum of seven devices including hands-free mobile phones and Bluetooth audio devices can be paired to one vehicle.

1. Press the MENU button.
2. The NAVIGATION MENU is displayed.
   Press the Bluetooth Phone on-screen.
   *: For a first-time pairing of a hands-free mobile phone, follow the procedure in Step 6. For a subsequent or later hands-free mobile phone, follow the procedure in Step 3.

3. Press the SETTINGS on-screen button.

4. Press the Pair/Select Device on-screen button.

5. Press the ADD NEW on-screen button.

6. A “Pairing is in progress. Please start pairing procedure on your Bluetooth device.” message with a PIN number is displayed.
7. If the pairing is successful, the Bluetooth device name is displayed with a message “PAIRING COMPLETE”.

Note

- A mobile telephone can be paired only when the vehicle is parked.
- If a Bluetooth device has already been paired to the vehicle as a Bluetooth audio device, it does not need to be paired again when using the device as a hands-free mobile phone. Conversely, it does not need to be paired again as a Bluetooth audio device if it has already been paired as a hands-free mobile phone.
- Since the communication range of a Bluetooth equipped mobile telephone is about 10 meters (32 ft), if a mobile telephone is placed within a 10-meter (32 ft) radius of the vehicle, it may be detected/paired unintentionally while another telephone is being paired.

n Deleting the link to a Mobile telephone

Refer to “Deleting the link to a Bluetooth audio device”. (☞ page 102)

n Changing the registered mobile telephone

Refer to “Changing Paired Bluetooth device”. (☞ page 104)

n Making calls using a Bluetooth phone

1. Press the MENU button.
2. The NAVIGATION MENU is displayed.
   Press the Bluetooth Phone on-screen button to switch to the Bluetooth Phone screen.

3. Input the telephone number using the number buttons.
   - If a number has been input incorrectly short-press the DELETE on-screen button to delete the last digit of the number.
   - Long-press the DELETE on-screen button to delete all of the digits.
   - Press the MUTE on-screen button to mute your voice during a call.
   - Press the TRANSFER on-screen button to switch between a Hands-free call and call using a Bluetooth phone.
   - Press the 9-1-1 on-screen button to erase the currently input telephone number and replace it with the 911 emergency number.
4. Press the on-screen button to place the call for the telephone number which was input using the number buttons.
   The call is canceled if the on-screen button is pressed while the call is being placed.
5. Press the on-screen button to end the call.

Note

- Park your vehicle before attempting to input telephone numbers using the on-screen number buttons.

n Receiving call using a Bluetooth phone

1. The currently connected mobile telephone receives calls.
2. The Incoming Call screen is displayed.
3. Press the ANSWER on-screen button.

Note

- If the DECLINE on-screen button is pressed, the call received on the currently connected mobile telephone is refused and the incoming call screen is no longer displayed.
- If the phone number for the received call is unknown, “Unknown” is displayed on the incoming call screen.
- If the caller cancels the call, the incoming call screen is no longer displayed.

n Making phone calls using the outgoing call record

1. Press the MENU button.
2. The NAVIGATION MENU is displayed.
   Press the Bluetooth Phone on-screen button to switch to the Bluetooth phone screen.

3. Press the OUTGOING on-screen button.
   - If there are 0 items in the call record, the color of the OUTGOING on-screen button is toned down.

4. The system switches to the Outgoing Calls screen.
5. The names or telephone numbers in the outgoing call record are displayed. Press the ▲ or ▼ on-screen button to scroll up or down the list. Press the ☎ on-screen button at the name or telephone number of the person you would like to call.
- The name of the person is displayed if the telephone number is already registered in your phonebook and the name can be retrieved from the phonebook.
- Press the BACK on-screen button to return to the Bluetooth Phone screen.
- If notification of the telephone number on an outgoing call is restricted, it will not appear in the outgoing call record.
- A maximum of 10 outgoing call records are displayed.
- If the mobile telephone is not connected, the ☎ on-screen button is toned down.

6. The system switches to the Bluetooth Phone screen when the call is made to the number displayed in the outgoing call record.
   The call is canceled if the ☎ on-screen button is pressed while the call is being placed.
7. Press the ☎ on-screen button to end the call.

Note

- Park your vehicle before attempting to place calls using the outgoing call record.

n Making calls using the incoming call record

1. Press the MENU button.
2. The NAVIGATION MENU is displayed.
   Press the Bluetooth Phone on-screen button to switch to the Bluetooth phone screen.

3. Press the INCOMING on-screen button.
- If there are 0 items in the call record, the color of the INCOMING on-screen button is toned down.

4. The system switches to the Incoming Calls screen.
   The names or telephone numbers in the incoming call record are displayed. Press the ▲ or ▼ on-screen button to scroll up or down the list. Press the ☎ on-screen button at the name of the person you would like to call.
- The name of the person is displayed if the telephone number is already registered in your phonebook and the name can be retrieved from the phonebook.
- Press the BACK on-screen button to return to the Bluetooth Phone screen.
- If notification of the telephone number on an incoming call is restricted, it will not appear in the incoming call record.
- A maximum of 10 incoming call records are displayed.
- If the mobile telephone is not connected, the ☎ on-screen button is toned down.

5. The system switches to the Bluetooth Phone screen the system switches to the Bluetooth Phone screen when the call is made to the number displayed in the incoming call record.
   The call is canceled if the ☎ on-screen button is pressed while the call is being placed.
6. Press the ☎ on-screen button to end the call.

Note

- Park your vehicle before attempting to place calls using the incoming call record.

n Making calls using the phonebook

Downloading the phonebook

Downloads the phonebook data registered to the currently connected mobile telephone into the navigation system.

1. Press the MENU button.
2. The NAVIGATION MENU screen is displayed. Press the Bluetooth Phone on-screen button to switch to the Bluetooth Phone screen.

3. Press the SETTINGS on-screen button to switch to the Bluetooth Setting screen.

4. Press the Download Phonebook on-screen button to switch to the Download Phonebook screen.
- Press the BACK on-screen button to return to the Bluetooth Phone screen.
- If no mobile telephone is connected, the Download Phonebook on-screen button cannot be pressed.

5. ”Downloading phonebook entries.” is displayed.
- If the CANCEL on-screen button is pressed, the download is canceled and the system returns to the Bluetooth Setting screen.

6. When the download is completed, “Download is completed” is displayed.

Note

- Park your vehicle before attempting to download the phonebook.
- If the download failed, a message indicating a failure is displayed.
- If the mobile telephone is non-PBAP-compliant, a message indicating a download failure is displayed.
- Making an receiving calls from the Bluetooth phone screen is not possible during transfer of phonebook data from the mobile telephone.
- Phonebook data recorded to the navigation screen cannot be called up using the voice recognition commands. In addition, phonebook data recorded to the voice recognition function cannot be called up from the navigation screen.

Making calls using the phonebook

Makes calls using the phonebook downloaded from the currently connected mobile telephone.

1. Press the MENU button.
2. The NAVIGATION MENU screen is displayed.
   Press the Bluetooth Phone on-screen button to switch to the Bluetooth Phone screen.

3. Press the PHONEBOOK on-screen button to switch to the Bluetooth Phone screen.

4. Press the ◄ or ► on-screen button to scroll back and forth through the alphabets.
   Press the on-screen button indicating the initial letter in the person's name you would like to call.
5. The names/phone numbers registered to the selected initial letter are displayed alphabetically.
   Press the ▲ or ▼ on-screen button to scroll up or down the list.
   Press the on-screen button area which indicates the name/phone number of the person you would like to call to switch to the screen containing the detailed information recorded for that person.

- Press the BACK on-screen button to return to the Bluetooth Phone screen.

6. The detailed information registered to the phonebook is displayed.
   The phone numbers registered to each category are displayed. Press the on-screen button for the number you would like to call.

- Press the BACK on-screen button to return to the Phone Book screen.

7. The system switches to the Bluetooth Phone screen.
   The call is made to the number registered to the phonebook.
   The call is canceled if the on-screen button is pressed while the call is being placed.
8. Press the on-screen button to end the call.

Note

- Park your vehicle before attempting to place calls using the phonebook.

n Deleting all registered devices

1. Press the MENU button.
2. The NAVIGATION MENU screen is displayed. Press the Bluetooth Phone on-screen button to switch to the Bluetooth Phone screen.

3. Press the SETTINGS on-screen button to switch to the Bluetooth Setting screen.

4. Press the Delete All Paired Devices on-screen button to switch to the delete confirmation screen.
- Press the BACK on-screen button to return to the Bluetooth Phone screen.
- If no Bluetooth device is registered, the Delete All Paired Devices on-screen button cannot be pressed.

5. “Delete all devices?” is displayed. Press the OK on-screen button to start deleting.
- The deleting operation cannot be canceled once the OK on-screen button is pressed.
- If the CANCEL on-screen button is pressed before pressing the OK on-screen button, the message is cleared and the system returns to the Bluetooth Setting screen.

6. “Deleting all devices.” is displayed. The message disappears when the deletion ends.

Note

- Park your vehicle before attempting to delete the registered devices.

n Deleting all phonebooks

1. Press the MENU button.
2. The NAVIGATION MENU screen is displayed. Press the Bluetooth Phone on-screen button to switch to the Bluetooth Phone screen.

3. Press the SETTINGS on-screen button to switch to the Bluetooth Setting screen.

4. Press the Delete All Phonebook Entries on-screen button to switch to the delete confirmation screen.
- Press the BACK on-screen button to return to the Bluetooth Phone screen.
- If no telephone number is registered to the phonebook, the Delete All Phonebook Entries on-screen button cannot be pressed.

5. “Delete all phonebook entries?” is displayed. Press the OK on-screen button to start deleting.
- The deleting operation cannot be canceled once the OK on-screen button is pressed.
- If the CANCEL on-screen button is pressed before pressing the OK on-screen button, the message is cleared and the system returns to the Bluetooth Setting screen.

6. “Deleting all phonebook entries.” is displayed. The message disappears when the deletion ends.

Note

- Park your vehicle before attempting to delete the phonebooks.

n Deleting all outgoing call records

1. Press the MENU button.
2. The NAVIGATION MENU screen is displayed. Press the Bluetooth Phone on-screen button to switch to the Bluetooth Phone screen.

3. Press the SETTINGS on-screen button to switch to the Bluetooth Setting screen.

4. Press the Delete All Recent Outgoing Calls on-screen button to switch to the delete confirmation screen.
   - Press the BACK on-screen button to return to the Bluetooth Phone screen.
   - If there is no outgoing call record, the Delete All Recent Outgoing Calls on-screen button cannot be pressed.
5. “Delete all recent outgoing calls?” is displayed. Press the OK on-screen button to start deleting.
   - The deleting operation cannot be canceled once the OK on-screen button is pressed.
   - If the CANCEL on-screen button is pressed before pressing the OK on-screen button, the message is cleared and the system returns to the Bluetooth Setting screen.
6. “Deleting all recent outgoing calls.” is displayed. The message disappears when the deletion ends.

Note

- Park your vehicle before attempting to delete the outgoing call records.

n Deleting all incoming call records

1. Press the MENU button.
2. The NAVIGATION MENU screen is displayed.
   Press the Bluetooth Phone on-screen button to switch to the Bluetooth Phone screen.

3. Press the SETTINGS on-screen button to switch to the Bluetooth Setting screen.

4. Press the ▼ on-screen button to scroll down the menu.
   Press the Delete All Recent Incoming Calls on-screen button to switch to the delete confirmation screen.
- Press the BACK on-screen button to return to the Bluetooth Phone screen.
- If there is no incoming call record, the Delete All Recent Incoming Calls on-screen button cannot be pressed.

5. "Delete all recent incoming calls?" is displayed. Press the OK on-screen button to start deleting.
- The deleting operation cannot be canceled once the OK on-screen button is pressed.
- If the CANCEL on-screen button is pressed before pressing the OK on-screen button, the message is cleared and the system returns to the Bluetooth Setting screen.

6. "Deleting all recent incoming calls." is displayed.
   The message disappears when the deletion ends.

Note

- Park your vehicle before attempting to delete the incoming call records.

n Setting the Passcode

The system cannot be activated unless the previously set passcode is input.

1. Press the MENU button.
2. The NAVIGATION MENU screen is displayed.
   Press the Bluetooth Phone on-screen button to switch to the Bluetooth Phone screen.

3. Press the SETTINGS on-screen button to switch to the Bluetooth Setting screen.

4. Press the ▼ on-screen button to scroll down the menu.
   Press the Passcode Enable on-screen button to switch to the Input Bluetooth Passcode screen.
   - Press the BACK on-screen button to return to the Bluetooth Phone screen.

5. After inputting the 4-digit passcode, press the OK on-screen button.
   - Press the CANCEL on-screen button to return to the Bluetooth Setting screen.

Note

If the Passcode Disable on-screen button is pressed while Passcode has been enabled, Passcode is disabled.

n Setting the PIN code

1. Press the MENU button.
2. The NAVIGATION MENU screen is displayed.
   Press the Bluetooth Phone on-screen button to switch to the Bluetooth Phone screen.

3. Press the SETTINGS on-screen button to switch to the Bluetooth Setting screen.

4. Press the ▼ on-screen button to scroll down the menu.
   Press the PIN Settings on-screen button to switch to the Input Bluetooth PIN screen.
   - Press the BACK on-screen button to return to the Bluetooth Phone screen.

5. After inputting the 4-digit PIN code, press the OK on-screen button.
   - Press the CANCEL on-screen button to return to the Bluetooth Settings screen.

Note

- The default PIN code is “0000”.

n Activating the confirmation prompts function

1. Press the MENU button.
2. The NAVIGATION MENU screen is displayed.
   Press the Bluetooth Phone on-screen button to switch to the Bluetooth Phone screen.

3. Press the SETTINGS on-screen button to switch to the Bluetooth Setting screen.

4. Press the ▼ on-screen button to scroll down the menu.
   Press the Confirmation Prompts On on-screen button to activate the function. Press the Off on-screen button to cancel the function.

n Activating the voice training function

1. Press the MENU button.
2. The NAVIGATION MENU screen is displayed.
   Press the Bluetooth Phone on-screen button to switch to the Bluetooth Phone screen.

3. Press the SETTINGS on-screen button to switch to the Bluetooth Setting screen.

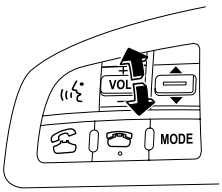
4. Press the ▼ on-screen button to scroll down the menu.
   Press the Voice Training Enable on-screen button to activate the voice training function.
   Press the Disable on-screen function to cancel the function.

Steering Switch

Operating the Steering Switch

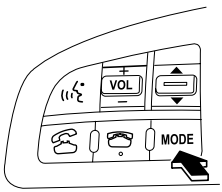
n Adjusting the Volume

To increase the volume, pull up the volume switch.
To decrease the volume, press down the volume switch.

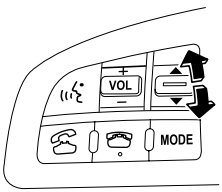


n Changing the Source

Press the mode switch (MODE) to change the audio source (FM1 radio > FM2 radio > AM radio > SIRIUS1 > SIRIUS2 > SIRIUS3 > CD > AUX1 > AUX2 > iPod > Bluetooth Audio > OFF > cyclical).



n Seek Switch



When listening to the radio

Pull up or press down the seek switch, the radio switches to the next/previous stored station in the order that it was stored (1-8).
Pull up or press down the seek switch for about 2 seconds until a beep sound is heard to seek all usable stations at a higher or lower frequency whether programmed or not.

When listening to the satellite radio

Press the seek switch up or down, the radio switches to the next/previous stored station in the order that it was stored (1-6).
Press the seek switch up or down for about 2 seconds until a beep sound is heard to seek all usable stations at a higher or lower frequency, whether programmed or not.

When playing a CD

Pull up the seek switch to skip to the next track.
Press down the seek switch to skip back to the beginning of the current track.

When playing an iPod

Press the seek switch up to skip to the next track.
Press the seek switch down to repeat the current track.

License

n Safety Certification

This CD player is made and tested to meet exacting safety standards. It meets FCC requirements and complies with safety performance standards of the U.S. Department of Health and Human Services.

Cautions

- This CD player should not be adjusted or repaired by anyone except qualified service personnel.
  If servicing is required, contact an Authorized Mazda Dealer.
- Use of controls or adjustments or performance of procedures other than those specified herein may result in hazardous laser exposure. Never operate the CD player with the top case of the unit removed.
- Changes or modifications not expressly approved by the party responsible for compliance could void the user's authority to operate this equipment.

Note

For CD player section:
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.

Note

This equipment has been tested and found to comply with the limits for a Class B digital device, pursuant to part 15 of the FCC Rules. These limits are designed to provide reasonable protection against harmful interference in a residential installation. This equipment generates, uses, and can radiate radio frequency energy and, if not installed and used in accordance with the instructions, may cause harmful interference to radio communications. However, there is no guarantee that interference will not occur in a particular installation.

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Note

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Memo