■ **Searching for Emergency facilities**

① Press the DEST key.

② Press the Emergency button.

③ Select the desired facility category.

④ Select the desired facility.

The corresponding position will be displayed on the map.

Voice Command

1. Press the 🖐 key on the steering wheel remote controller.
2. After the beep sound, say a command.
   "Find emergency <Category>"
   🔍 [Find emergency <Category>], page 4-23.

■ **Searching your Home**

① Press the DEST key.

② Press the HOME button.

The Home position will be displayed on the map.

ⓘ **INFORMATION**

If the Home address is not registered, then the HOME button will be displayed.
🔍 [Registering home address], page 3-48.

Voice Command

1. Press the 🖐 key on the steering wheel remote controller.
2. After the beep sound, say a command.
   "Go home"
   🔍 [Go home], page 4-25.

PART 3   NAVIGATION SYSTEM

■ **Searching favorite places**

① Press the DEST key.

② Select the desired button from 1 ~ 5 .

The corresponding position will be displayed on the map.

ⓘ **INFORMATION**

If the address of the Favorite place is not registered, then the 1 ~ 5 buttons without registered addresses will be disabled.
🔍 [Registering favorite place], page 3-49.

Voice Command

1. Press the 🖐 key on the steering wheel remote controller.
2. After the beep sound, say a command.
   "Destination by memory point <1 to 5>"
   🔍 [Destination by memory point <1 to 5>], page 4-25.

■ **Searching from MAP**
Position the scroll mark at the destination by scrolling the map on the map screen.

■ **Searching POI by local POI list**

① Press the POI ▼ button on the map screen.
② Press the Others button.

③ Press the Local POI lists button.

④ Select the desired POI menu.

The corresponding position will be displayed on the map.

Voice Command

1. Press the 🖐 key on the steering wheel remote controller.
2. After the beep sound, say a command.
   "Find nearest <POI name>"
   🔍 [Find nearest <POI name>], page 4-21.

Operating after searching a destination

■ **Changing destination position :**

Changes the position of the destination by scrolling the map.

 [Scrolling map], page 3-11.

■ **Setting as Destination / waypoint :**

Sets the position as the destination or waypoint.

 Voice Command

1. Press the key on the steering wheel remote controller.

2. After the beep sound, say a command.
   "Start guidance"
   (Sets the position of the scroll mark as the destination and begins route guidance.)

■ **Adding to address book :**

Saves the position in the address book.

 [Registering new address in address book], page 3-43.

 Voice Command

1. Press the key on the steering wheel remote controller.

2. After the beep sound, say a command.
   "Store Marked Location to <text tag>"

PART 3   NAVIGATION SYSTEM

Operating after setting a destination

Starting Route Guidance

Press the Start Guidance button. Route Guidance will start.

● Route simulation

 • If the Start Guidance button is pressed and held for over 0.8 second, then the route simulation will start.

 • If the MAP key on the control panel is pressed during route simulation, then route simulation will be terminated.
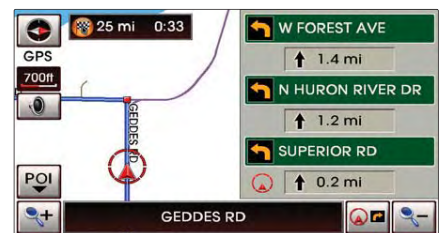
 Voice Command

1. Press the key on the steering wheel remote controller.

2. After the beep sound, say a command.
   "Time to destination"
   "Distance to destination"

Route guidance screen

● Symbol guidance mode : If the button is pressed, then the following route guidance screen will be displayed.

● Turn-List mode : If the button is pressed, then the following route guidance screen will be displayed.
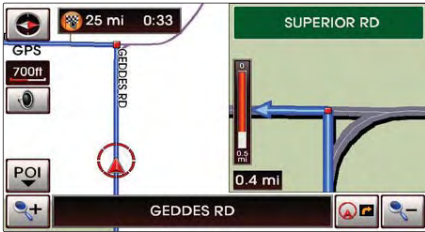
● Highway mode : If the ▣ button is pressed, then the following route guidance screen will be displayed.

● Intersection zoom mode : This route guidance screen is automatically displayed during guidance at an intersection.
Once guidance at the intersection is complete, the screen will automatically disappear and the previous guidance screen will be restored.

● Highway junction mode : This route guidance screen is automatically displayed during guidance at highway junctions.
Once guidance at a highway junction is complete, this screen will automatically disappear and the previous guidance screen will be restored.
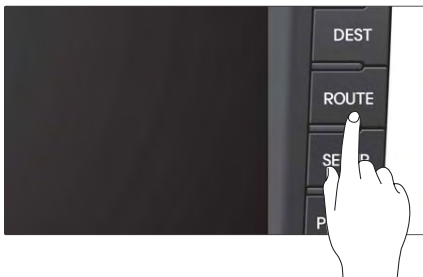
Selecting other route

❶ Press the Others button.

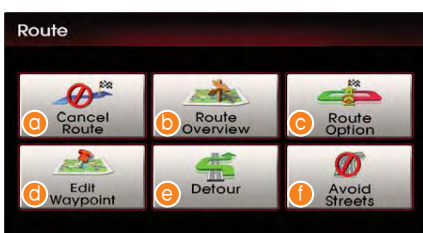❷ Other routes can be selected by pressing the ◀ or ▶ buttons.

PART 3   NAVIGATION SYSTEM

Route guidance

Route menu screen and functions

Press the ROUTE key on the control panel.
The ROUTE menu screen will be displayed.

Ⓐ Cancel Route: Deletes destination, waypoints and terminates route guidance.
🔍 [Finishing route guidance], page 3-30 .

Ⓑ Route Overview: Displays the entire route and route detailed.
🔍 [Route overview], page 3-31 .

Ⓒ Route Option: The route option can be changed.
🔍 [Changing Route option], page 3-32 .

Ⓓ Edit Waypoint: Waypoints can be added/deleted and the order can be changed.
🔍 [Editing waypoints], page 3-32 .

Ⓔ Detour: Searches detour routes.
🔍 [Setting detour distance], page 3-35 .

Ⓕ Avoid Streets: Searches routes which avoid the selected streets.
🔍 [Setting avoid streets on route], page 3-35.

Finishing route guidance (Delete Destination)

❶ Press the ROUTE key.

❷ Press the Cancel Route button.

❸ Press the Yes button.

The destination and waypoints are deleted and the route guidance is terminated.
🔍 [Finishing route guidance], page 3-30 .

Voice Command

1. Press the 🎙 key on the steering wheel remote controller.
2. After the beep sound, say a command.
   "Cancel route"
   (Terminates route guidance and deletes the set destination and waypoints.)
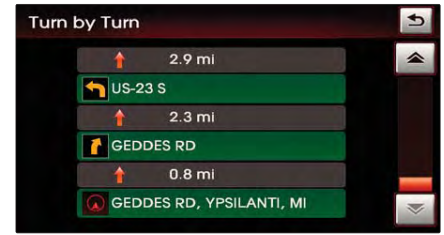
Route overview (View Entire Route)

① Press the ROUTE key.

② Press the Route Overview button.

③ Press the Turn by turn button.

ℹ️ **INFORMATION**
If the Return to Guidance button is pressed, route guidance screen is displayed.

④ The detailed route information can be viewed.

PART 3   NAVIGATION SYSTEM

Changing Route option

① Press the ROUTE key.

② Press the Route Option button.

③ Press the button for the desired route guidance method.
   Guidance will be restarted after recalculating the route with the selected guidance method.

Voice Command

1. Press the 🎙 key on the steering wheel remote controller.
2. After the beep sound, say a command.
   "Replan recommended route"
   "Replan shortest route"
   "Replan minimize freeway route"
   "Replan minimize toll road route"

Editing waypoints

■ Adding waypoints
There are 2 ways to add waypoints - (a) searching for POI nearest to the route, (b) using advanced search.

① Press the ROUTE key.

② Press the Edit Waypoint button.
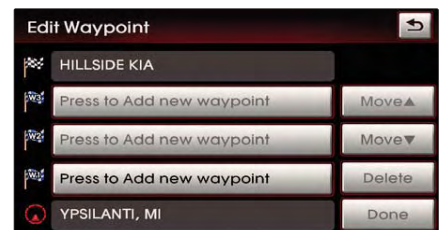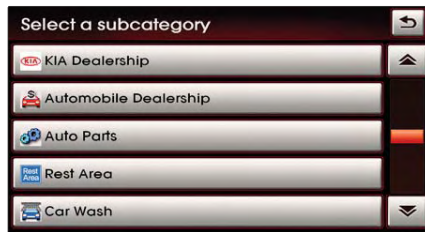

③ Press the Press to add new waypoint button.
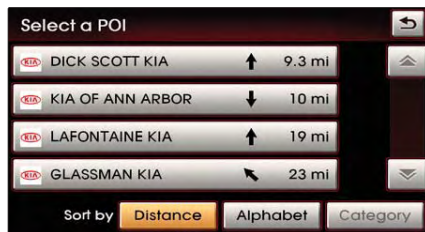
(a) Searching POI lists near route

④ Press the ⌈Near POI lists on Route⌋ button.

⑤ Select the desired category.

⑥ Select the desired sub category from list.

⑦ Select the desired POI from the list.

The corresponding position will be displayed on the map.

⑧ Press the ⌈Add as Waypoint⌋ button.

⑨ Press the ⌈Done⌋ button to complete.

Guidance will restart after recalculating the route.

PART 3 NAVIGATION SYSTEM

(b) Using advanced Search

The method for searching waypoints through the ⌈Advanced(more)⌋ button is the same method as searching destination.
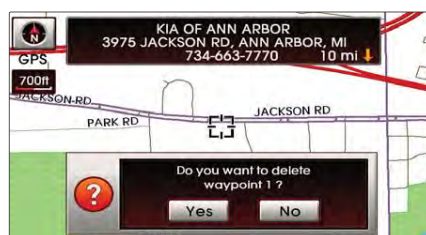
🔍 [Searching a Destination], page 3-13.

■ **Deleting waypoints**

① Press the ⌈ROUTE⌋ key.

② Press the ⌈Edit waypoint⌋ button.

③ Select the waypoint and press the ⌈Delete⌋ button.

④ Press the ⌈Yes⌋ button.

⑤ After deleting, press the ⌈Done⌋ button to complete.

Guidance will be restart after recalculating.

■ **Re-ordering waypoints**

① Press the ⌈ROUTE⌋ key.

② Press the ⌈Edit waypoint⌋ button.
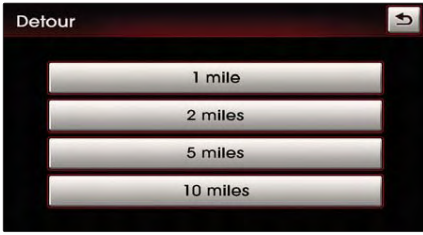

③ Select the desired waypoint and use the ⌈MOVE ▲⌋, ⌈MOVE ▼⌋ buttons to change the order.

④ Once re-ordering is complete, press the ⌈Done⌋ button to complete.

Guidance will restart after recalculating the route.

Setting detour distance

① Press the ROUTE key.

② Press the Detour button.

③ Select the desired detour range.
   Guidance will restart after recalculating the detour route.

Voice Command

1. Press the key on the steering wheel remote controller.
2. After the beep sound, say a command.
   "Detour <1 or 2 or 5 or 10> miles"
   "Detour <1 or 2 or 5 or 10> kilometers"

Setting avoid streets on route

① Press the ROUTE key.

② Press the Avoid streets button.

③ Select the desired streets to avoid(avoid, allow) and press the Done button to complete.
   Guidance will restarted after recalculating.

PART 3   NAVIGATION SYSTEM

Setup and Information

Setup menu screen and functions

Press the SETUP key on the control panel to display the setup menu screen.

ⓐ **Main button :** Changes to the input keyboard type, voice command feedback ON/OFF settings and system initialization can be made.

[Main setting], page 3-36 .

ⓑ **Traffic Setup button :** Sets whether to display traffic information on map, whether to provide upcoming traffic information voice guidance, and whether to display the detour route popup showing upcoming traffic information.

ⓒ **Navigation button :** Navigation related settings can be set.
   [Navigation setting], page 3-38 .

ⓓ **My Places button :** The Address book, Home address, Favorite places, Previous destination can be edited.
   [My places setting], page 3-43 .

ⓔ **System Info button :** The system version information can be viewed and system upgrades can be conducted.
   [System information and update], page 3-51 .

ⓕ **Voice Setup button :** Adjusts the Navigation guidance volume.
   [Voice guidance volume setting], page 3-51 .

ⓖ **Help button :** The help contents can be viewed. [Help], page 3-54 .

ⓗ **Display button :** Adjusts the display setting. [Display setting], page 1-12 .

Main setting

① Press the SETUP key.

② Press the Main button.

③ Select the desired changes and press the Done button to complete.
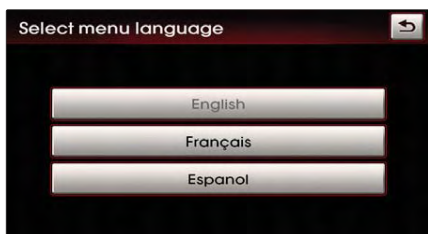
■ **Setting keyboard for inputting letter**

Press the desired keyboard type button. The selection will be highlighted.

■ **Setting voice command feedback ON/OFF**

Press the desired setting button.
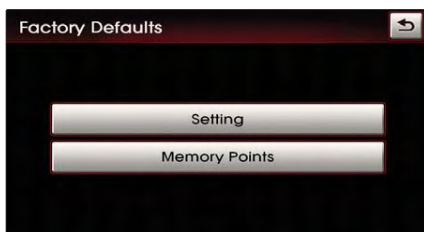
■ **Setting Language**

❶ Press the Change button.

❷ Press the desired language.

❸ Press the Done button to complete.

■ **Initializing system**

❶ Press the Factory default button.

❷ Press the menu desired for initialization.
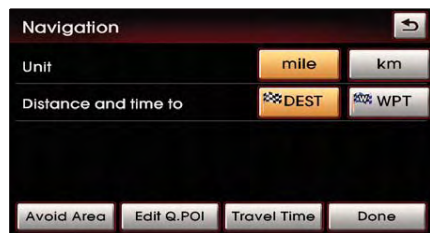

❸ Press the Yes button.

PART 3   NAVIGATION SYSTEM

Navigation setting

❶ Press the SETUP key.

❷ Press the Navigation button.

❸ Select the desired changes and press the Done button to complete.
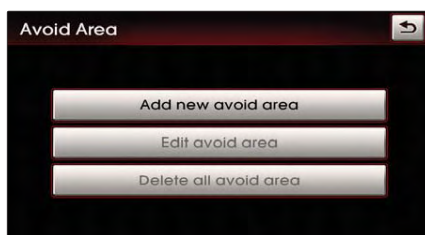
■ **Setting units (mile/ km)**

Select the desired distance unit.

■ **Setting arrival time and distance display**
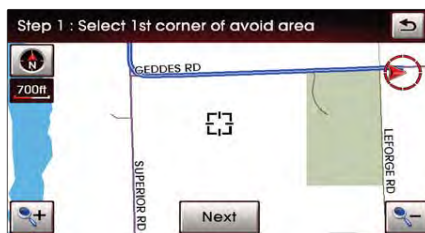
Select the desired setting button.

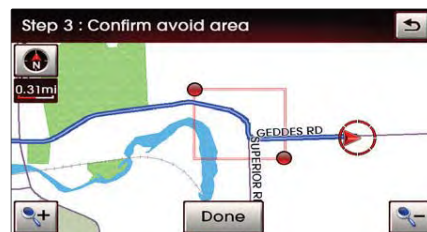■ **Registering avoid area**

❶ Press the Avoid Area button.

❷ Press the Add new avoid area button.

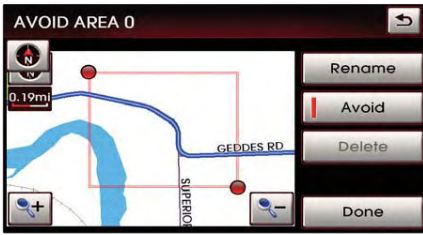
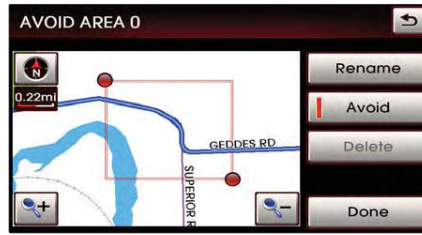❸ Set the start position of the avoid area and press the NEXT button.

❹ Set the end position of the avoid area and press the NEXT button.

❺ Press the Done button to complete.

⑥ If the Avoid area needs to be renamed, press the Rename button.

⑦ Rename the Avoid area and Press the Done button to complete.

⑧ Each time the Avoid button is pressed, the function will switch between avoid ( )or allow( ).

⑨ Press the Done button to complete the setting.

PART 3 NAVIGATION SYSTEM

■ **Editing avoid area**

① Press the Avoid Area button.
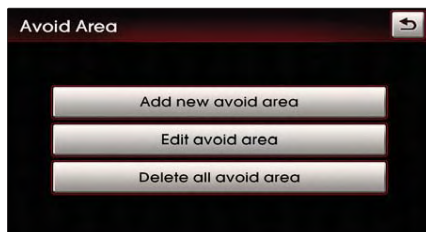
② Press the Edit avoid area button.
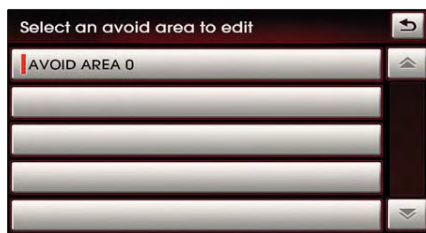
③ Select the Avoid area button to edit.

④ If the Avoid area needs to be renamed, press the Rename button.

⑤ Rename the Avoid area and press the Done button to complete.

⑥ Each time the Avoid button is pressed, the function will switch between avoid( )or allow( ).

⑦ Press the Done button once editing is complete.
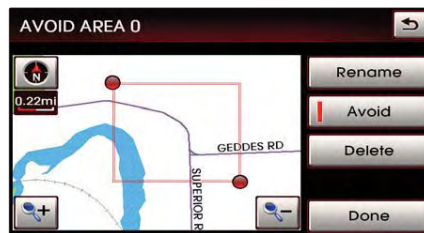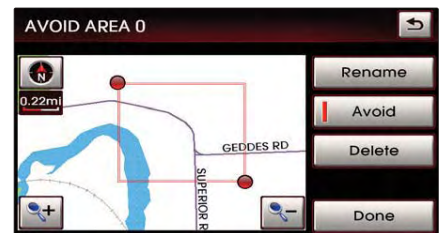
■ **Deleting avoid area**

❶ Press the Avoid area button.

❷ Press the Edit avoid area button.

❸ Select the Avoid area button to delete.
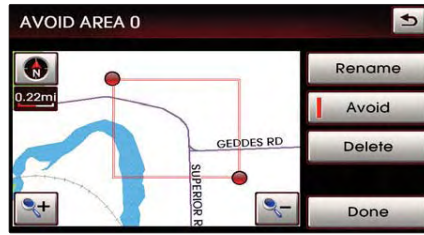
❹ Press the Delete button.

❺ Press the Yes button.

■ **Deleting all avoid areas**

❶ Press the Avoid area button.
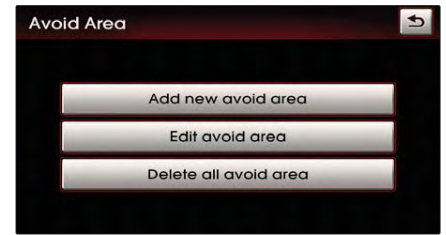
❷ Press the Delete all avoid area button.

❸ Press the Yes button.

PART 3 **NAVIGATION SYSTEM**

■ **Setting Q.POI icons**

❶ Press the Edit Q.POI button.

❷ Select the desired menu.

❸ Select the desired category.
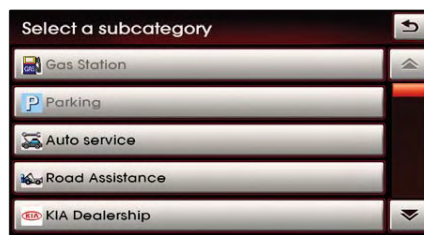
❹ Select the desired sub category.

❺ Press the Done button to complete.

ℹ **INFORMATION**

Q.POI stands for Quick POI and refers to the function which turns POI icon display on or off on the map.

■ **Setting estimate travel time**

❶ Press the Travel Time button.

❷ Press the < or > button on the Residential, Main street, and Freeway controls to adjust the speed.
Press the Default button to set the speeds to the default settings.

❸ Press the Done button to complete the setting.

My places setting

■ **Registering new address in address book**

There are 3 ways to register a new address in the address book - (a) by DEST menu, (b) by registering address in address book, (c) from map scroll.

(a) by DEST menu

❶ Press the │ DEST │ key.

❷ Search through the desired method. The search process is the same as the method for destination search.
🔍 [Searching a destination], page 3-13.

❸ Press the │ Add to Address Book │ button.

❹ Press the desired address book (user) button.
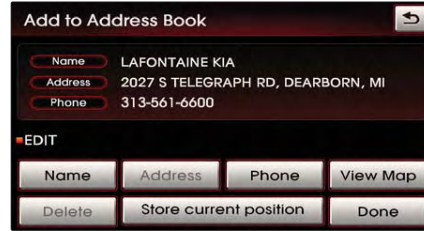
❺ Input the name and telephone information and press the │ Done │ button to complete.
🔍 [Editing an address of address book], page 3-45.

(b) by registering in the address book

❶ Press the │ SETUP │ key.

❷ Press the │ My Places │ button.

❸ Press the │ Address book │ button.

❹ Press the desired address book (user) button.

❺ Press the │ New Address │ button.

❻ Press the │ Address │ button to search the address.
🔍 [Searching an address], page 3-13.

ℹ️ **INFORMATION**
Press the │ Store current position │ button to input the address of the current position.

❼ Input the name and telephone information and press the │ Done │ button to complete.
🔍 [Editing an address of address book], page 3-45.

(c) from map scroll

❶ In the map screen, scroll the map to the desired position.

❷ Press the │ Add to Address Book │ button.

❸ Press the desired address book (user) button.

❹ Input the name and telephone information and press the │ Done │ button to complete.
🔍 [Editing an address of address book], page 3-45.

■ Editing an address of address book

① Press the SETUP key.

② Press the My places button.

My Places
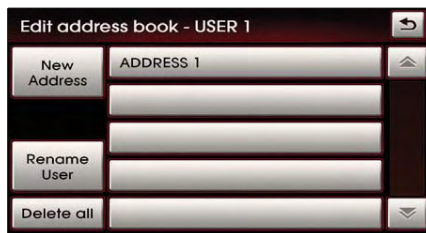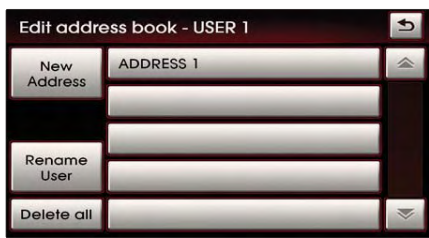
- Address Book
- Home Address
- Favorite Places
- Delete Previous Destination

③ Press the Address book button.

Select a user

- USER 1 (1)
- USER 2 (0)
- USER 3 (0)
- USER 4 (0)
- USER 5 (0)

④ Select the desired address book (user) button .

Edit address book - USER 1

- New Address
- ADDRESS 1
- Rename User
- Delete all

⑤ Select the desired address to edit.

Edit Address

- Name
- Address
- Phone

ADDRESS 1
139 SEEDORFF ST, BATTLE CREEK, MI

■EDIT
- Name
- Address
- Phone
- View Map
- Delete
- Store current position
- Done

⑥ Press the Name button to input the address name.

Change address name

ABC_

A B C D E F G H I J
K L M N O P Q R S T
U V W X Y Z ' & -

ABC ÀÇÈ 0~9 Delete Space Done

⑦ Input the address name and press the Done button to complete.

Edit Address

- Name
- Address
- Phone

ABC
139 SEEDORFF ST, BATTLE CREEK, MI

■EDIT
- Name
- Address
- Phone
- View Map
- Delete
- Store current position
- Done

⑧ Press the Address button to search the address. The process is the same as the method for searching an address.
[Searching an Address] , page 3-13.

ⓘ **INFORMATION**

Press the Store current position button to input the address of the current position.

PART 3   NAVIGATION SYSTEM

⑨ Press the Phone button to input the phone number.

Input a phone number

123-456-7890_

1   2 ABC   3 DEF   Delete
4 GHI   5 JKL   6 MNO
7 PQRS   8 TUV   9 WXYZ
0   Done

⑩ Input the phone number and press the Done button to complete.

Edit Address

- Name
- Address
- Phone

ABC
139 SEEDORFF ST, BATTLE CREEK, MI
123-456-7890

■EDIT
- Name
- Address
- Phone
- View Map
- Delete
- Store current position
- Done

⑪ Press the Done button to complete.

■ Deleting an address of address book

① Press the SETUP key.

② Press the My places button.

My Places

- Address Book
- Home Address
- Favorite Places
- Delete Previous Destination

③ Press the Address book button.

Select a user

- USER 1 (1)
- USER 2 (0)
- USER 3 (0)
- USER 4 (0)
- USER 5 (0)

④ Select the desired address book (user) button.

Edit address book - USER 1

- New Address
- ADDRESS 1
- Rename User
- Delete all
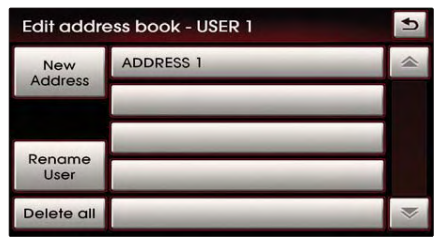
⑤ Select the desired address button to delete.

Edit Address

- Name
- Address
- Phone

ADDRESS 1
139 SEEDORFF ST, BATTLE CREEK, MI

■EDIT
- Name
- Address
- Phone
- View Map
- Delete
- Store current position
- Done

⑥ Press the Delete button.

Edit Address

Name ADDRESS 1
Address 139 SEEDORFF ST, BATTLE CREEK, MI
Phone

■EDIT

Do you want to delete this address?
Yes No

⑦ Press the `Yes` button.

■ **Deleting an address book**

① Press the `SETUP` key.
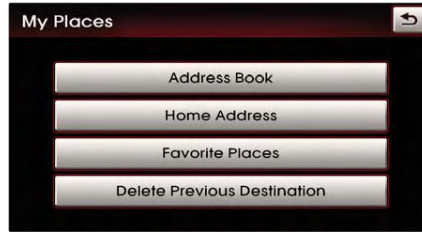
② Press the `My places` button.

My Places

Address Book
Home Address
Favorite Places
Delete Previous Destination

③ Press the `Address book` button.

Select a user

USER 1 (1)
USER 2 (0)
USER 3 (0)
USER 4 (0)
USER 5 (0)

④ Press the desired address book (user) button.

Edit address book - USER 1

New Address ADDRESS 1

Rename User
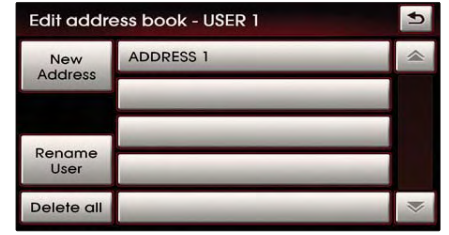
Delete all

⑤ Press the `Delete all` button.

Edit address book - USER 1

New Address ADDRESS 1

Rena User

Delete

Do you want to delete all addresses?
Yes No
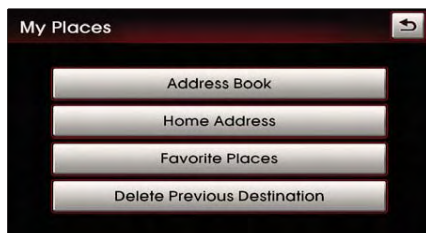
⑥ Press the `Yes` button.

PART 3 NAVIGATION SYSTEM

■ **Registering home address**

① Press the `SETUP` key.

② Press the `My places` button.

My Places

Address Book
Home Address
Favorite Places
Delete Previous Destination

③ Press the `Home Address` button.

Register Home Address

Store current position
Search Address
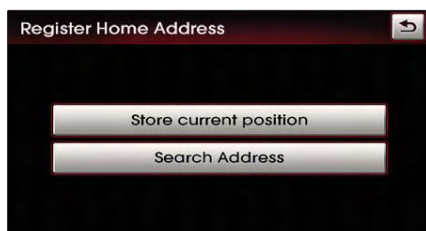
④ Press the `Search Address` button.

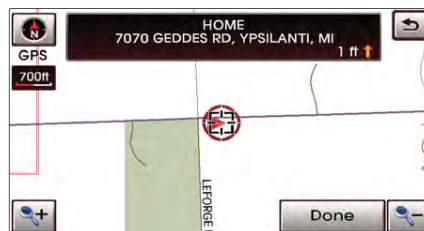ℹ️ **INFORMATION**
Press the `Store current position` button to register the current position as Home.

⑤ Search the address.
The process is the same method as searching an address.
🔍 [Searching an Address], page 3-13.

HOME
7070 GEDDES RD, YPSILANTI, MI
1 ft

⑥ Press the `Done` button to complete.

■ **Deleting home address**

① Press the `SETUP` key.

② Press the `My places` button.

My Places

Address Book
Home Address
Favorite Places
Delete Previous Destination

③ Press the `Home Address` button.

HOME
7070 GEDDES RD, YPSILANTI, MI
1 ft
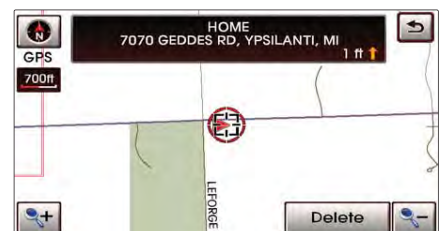
④ Press the `Delete` button.
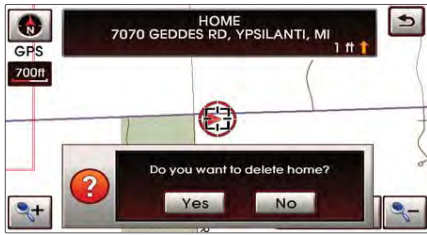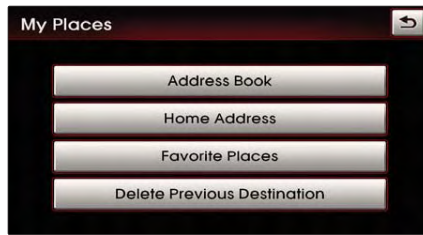
⑤ Press the Yes button.

■ **Registering favorite place**

① Press the SETUP key.

② Press the My places button.

③ Press the Favorite Places button.

④ Press the number of the Favorite Place to register.

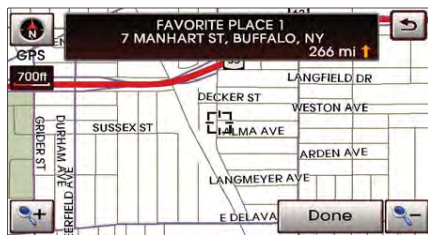

⑤ Press the Search address button.

ℹ **INFORMATION**

Press the Store current position button to register the current position as a Favorite place.

⑥ Search the address.

The process is the same as the method for searching an address.

🔍 [Searching an Address], page 3-13.

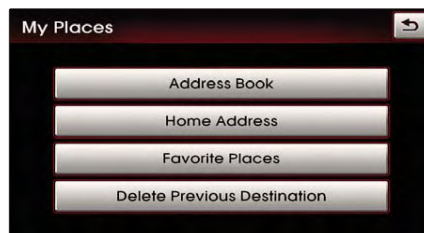---

PART 3   NAVIGATION SYSTEM

⑦ Press the Done button to complete.

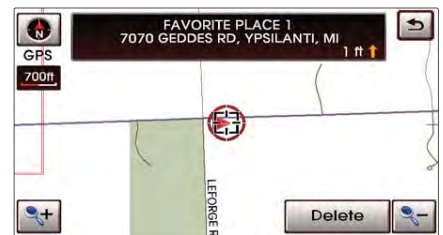■ **Deleting favorite place**

① Press the SETUP key.

② Press the My places button.

③ Press the Favorite Places button.

④ Select the desired favorite place button to delete.

⑤ Press the Delete button.

⑥ Press the Yes button.

System information and update

① Press the SETUP key.

② Press the System Info button.

Voice guidance volume setting

① Press the SET UP key.

② Press the Voice Setup button.

■ Voice guidance volume control

● Set the desired volume level by using the < or > buttons and press the Listen button to verify the volume level.

Voice Command

1. Press the key on the steering wheel remote controller.
2. After the beep sound, say a command.
   "Voice Guidance Louder"
   "Voice Guidance Softer"

● Press the MUTE button when voice guidance is unnecessary.
   Voice guidance can be turned back on by pressing the < or > buttons or pressing the MUTE button.

Voice Command

1. Press the key on the steering Wheel remote controller.
2. After the beep sound, say a command.
   "Voice Guidance On"
   "Voice Guidance Off"

PART 3   NAVIGATION SYSTEM

### ■ Adaptive volume control ON/OFF

● Press the desired setting button.

ℹ INFORMATION
Adaptive Volume Control
If the speed of the vehicle is over approximately 60 mi/h (100km/h), the volume level can be increased one level higher than the current level. If the speed of the vehicle falls under 60 mi/h (100km/h), the volume level will return to its original level.

Traffic Setup

① Press the SETUP key.
② Press the Traffic Setup button.
③ Select the desired changes and press the Done button.
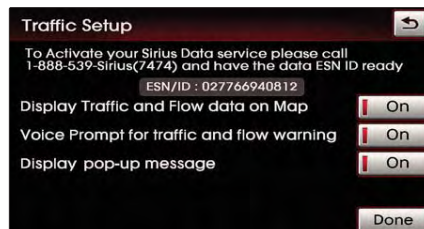
ℹ INFORMATION
• Display Traffic and Flow data on Map : select whether to display traffic information on the map.
• Voice Prompt for traffic and flow warning : Decides whether to provide voice guidance in front of Traffic Information. (On route - 3mile)
• Display pop-up message : Decides whether to display pop up in front of Traffic Information. (On route - 3mile)

Traffic Information

(a) Viewing Traffic Information
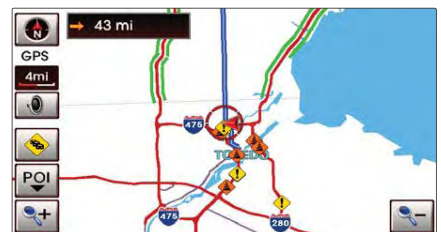

① When the Traffic option is active, press the button on the Map screen.

ℹ Traffic Flow Information
• ■ Normal, Free Flowing (46 mph ~)
• ■ Moderate Congestion (26 ~ 45 mph)
• ■ Heavy Traffic, Stop and Go (0 ~ 25 mph)

ⓘ **INFORMATION**

• Traffic information will be shown on the map up until the scale is ~4mile.

• Displays the traffic information around vehicle for up to a radius of 50 miles. (Information exceeding 50 miles will not be displayed)

• The above list can be sorted by either Distance (Default) or Category.
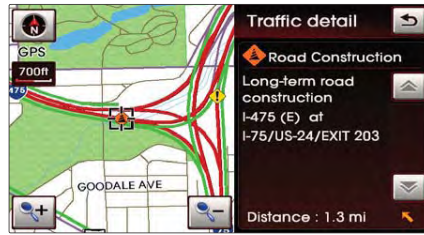
③ The user can check points of accidents and traffic details.

(b) Changing Traffic Category

① Press the Category Select button at No. 2.

② After selecting the desired menu among the six menus, press the Done button to save. Once returning to the previous List screen, the corresponding Category list will be shown and maintained until Category information is changed.
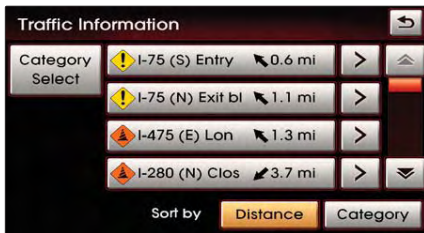
② Select the desired List button.

PART 3 **NAVIGATION SYSTEM**

Help

① Press the SETUP key.

② Press the Help button.

③ Press the Navigation button.

④ Press the desired Help menu button.
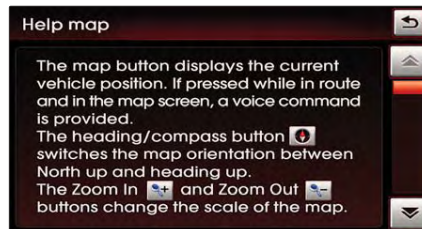
⑤ The full content of the help section can be viewed by using the top-down scroll buttons.

MEMO

MEMO

PART 4 VOICE COMMAND SYSTEM

Operating voice command

Condition for voice command system

Most of the functions within the AV and Navigation system can be operated by voice. Please follow the following instructions for optimal voice recognition performance.

● Close all windows and the sunroof. The performance of the voice recognition can be improved if the environment of the car interior is quiet.
● Press the voice recognition button and say the desired voice command after the sound of the beep.
● The microphone is positioned above the driver so that voice commands can be said while maintaining a proper posture.
● Pronounce the voice commands naturally and clearly as if in a normal conversation.

Basic operation for voice command control

① Press the [icon] button on the steering wheel remote controller.
A voice command window will be displayed on the lower side of the screen followed by a "Command please" system voice comment.

ⓘ
INFORMATION

The System voice comment "Command Please" will not be provided when the Voice prompt is turned OFF.

② Once the [icon] icon changes into the [icon] icon on the pop-up screen with a beep sound, say the desired voice command (ex : previous destination)
⊙ [Voice command list], page 4-6.
⊙ [Searching a destination by voice command], page 4-19.

If the exact command is not known, use the "Help" command to view the commands list in detail.

ⓘ **INFORMATION**
Press the [icon] shortly to input a voice command from among the system voice comments.
The system voice instruction comment will immediately terminate.

When the 🔊 icon changes into the 📢 icon with a beep sound, input the desired voice command.

③ The inputted command is fed back to the screen and voice system.
If the command was not recognized properly, say "Back".

ℹ️ **INFORMATION**
• The commands which can currently be inputted are displayed on the screen in yellow.
• To terminate the voice recognition system, either say "cancel" or press the 📢 for over 0.8 second.
• Be aware that during the operation of the voice recognition system, pressing the hard keys or the screen will terminate the voice recognition system.

Voice command Help

① Press the 🎙️ button on the Steering wheel remote controller.
A voice command window will be displayed on the lower side of the screen followed by a "Command please" system voice comment.

ℹ️ **INFORMATION**
The System voice comment "Command Please" will not be provided when the Voice prompt is turned OFF.

② Once the 🔊 icon changes into the 📢 icon on the pop-up screen with a beep sound, say "Help".
If the proper Help menu is already known, voice commands, such as "destination help" can be inputted directly.

ℹ️ **INFORMATION**
The "help" command can be used even while voice recognition dialogue is operating.
At such time, help instructions appropriate to the state of the dialogue will be provided.

③ Say the name of the desired menu.
(ex : "Destination help")

④ Say the desired voice command.

PART 4   VOICE COMMAND SYSTEM

Setting up the voice command system

Setting voice prompt ON/OFF

● Voice prompt ON : All system prompts are provided.
● Voice prompt OFF : Most of the system prompts are not provided.

① Press the 🎙️ button on the Steering wheel remote controller.

② Once the 🔊 icon changes into the 📢 icon on the pop-up screen with a beep sound, say "Voice setup." The "voice prompt on" or "voice prompt off" can be directly inputted if the current state is already known.

③ Once the icon changes into the icon on the pop-up screen with a beep sound, say "Voice Prompt on".

ℹ️ **INFORMATION**
In the Voice Setup Help screen, the commands possible for input within the current mode are displayed. For example, if the Voice prompt is currently in Off state, then the command Voice prompt ON will be displayed on the screen.

Speaker adaptation

① Press the 🎙️ button on the Steering wheel remote controller.

② Once the 🔊 icon changes into the 📢 icon on the pop-up screen with a beep sound, say "Voice setup."
Or the "Speaker adaptation" command can be directly inputted.

③ Once the 🔊 icon changes into the 📢 icon on the pop-up screen with a beep sound, say "Speaker adaptation".

④ Once the 🔊 icon changes into the
🔴)) icon on the pop-up screen with a
beep sound, say "Yes".

⑤ Listen and repeat the 20 commands
(approximate) as instructed by the
device.

● Reset Speaker adaptation: Returns to
previous state prior to applying Speaker
adaptation.

① Press the 🎙 button on the Steering
wheel remote controller.

② Once the 🔊 icon changes into the
🔴)) icon on the pop-up screen with
a beep sound, say "Reset Speaker
adaptation".

PART 4 VOICE COMMAND SYSTEM

Voice command list

The voice commands for this system are
divided into Global commands and Local
commands.

● Global command (●) : Commands
which operate in all operating modes.
● Local command (○) : Commands which
operate only when the corresponding
mode is operating or when the mode
screen to the corresponding mode is
displayed.

Command list of Help

	Command	Operation
●	Help	Displays the main Help screen.
●	Destination Help	Displays the Destination related command list.
●	Map Help	Displays the Map related command list.
●	Radio Help	Displays the FM/AM radio related command list.
●	SIRIUS Help	Displays the SIRIUS radio related command list.
●	Disc Help	Displays the DISC mode related command list for the disc inserted in the CDP.
●	iPod Help	Displays the iPod related command list.
●	USB Help	Displays the USB related command list.
●	Phone Help	Displays the Phone Help screen.
●	Voice setup Help	Displays the Voice prompt settings and speaker-adaptive commands on the screen.

Command list of Audio system

■ **FM/AM Radio**

	Command	Operation
●	Radio	Plays the most recent frequency for the most recently operated Band.
●	(Radio) AM	Plays the most recent frequency for the corresponding Band.
●	(Radio) FM	Plays the most recent frequency for the corresponding Band. In the case of FM, the most recent frequency within the most recently played FM1 or FM2 band is played.
●	FM <1 or 2>	Plays the most recent frequency for the corresponding Band.
●	AM frequency <530 to 1710>	Plays the desired AM band frequency. (ex. AM frequency 1310)
●	FM frequency <87.5 to 107.9>	Plays the desired FM band frequency.(ex. FM frequency 99.1)
●	AM Preset <1 to 6>	Plays the desired AM band preset frequency.
●	FM <1 or 2> Preset <1 to 6>	Plays the desired preset frequency of FM1 or FM2 band.
○	Preset <1 to 6>	Plays the desired preset frequency for the current Band.
○	Seek Up	Searches and plays the next frequency of the current band.
○	Seek Down	Searches and plays the previous frequency of the current band.
○	Preset Up	Plays the next preset frequency of the current band.
○	Preset Down	Plays the previous preset frequency of the current.
○	Scan	Scans all frequencies within the current band.
○	Preset Scan	Scans the 6 preset frequencies of the current band.
○	Auto Preset / Auto Store	Searches all frequencies within the current band and stores the 6 frequencies with the most superior reception as preset buttens.

PART 4 VOICE COMMAND SYSTEM

■ **SIRIUS Radio**

	Command	Operation
●	SIRIUS	Plays the last channel within the last band from SIRIUS1, SIRIUS2, and SIRIUS3.
●	SIRIUS <1 or 2 or 3>	Plays the most recent channel for the corresponding Band.
●	SIRIUS Channel <0 to 223>	Plays the desired SIRIUS band channel.
●	SIRIUS <1 or 2 or 3> Preset <1 to 6>	Plays the desired preset channel for SIRIUS1 or SIRIUS2 or SIRIUS3 band.
○	Channel < 0 to 223 >	Plays the desired channel of the current band.
○	Preset <1 to 6>	Plays the desired preset channel of the current band.
○	Channel Up	Plays the next channel of the current band.
○	Channel Down	Plays the previous channel of the current band.
○	Preset Up	Plays the next preset channel of the current band.
○	Preset Down	Plays the previous preset channel of the current band.
○	Scan	Scans all frequencies within the current band.
○	Preset Scan	Scans the 6 preset frequencies of the current band.

■ CD

	Command	Operation
●	DISC	Plays the DISC already inserted in the CDP.
●	CD	If the DISC inserted in the CDP is either a CD or MP3 DISC, then the CD or MP3 will be played.
●	CD track <1 to 665>	If the DISC inserted in the CDP is a CD, then CD Mode will start and plays the desired track.
○	Track <1 to 665>	Plays the desired track.
○	Next track	Plays the next track.
○	Previous track	Plays the previous track.
○	Scan	Scans all tracks on the CD.
○	Repeat track	Repeats the current playing track.
○	Random	Plays the tracks of the CD in random order.
○	Normal play	Turns off the Scan, Repeat, and Random functions.
○	Pause	Pauses the CD.
○	Play	The command will only be enabled when the CD is paused.

PART 4   VOICE COMMAND SYSTEM

■ MP3

	Command	Operation
●	DISC	Plays the DISC already inserted into the CDP.
●	CD	If the DISC inserted in the CDP is either a CD or MP3 DISC, then the CD or MP3 will be played.
●	MP3	If the DISC inserted in the CDP is an MP3 DISC, then the MP3 will be played.
○	Next file	Plays the next file.
○	Previous file	Plays the previous file.
○	Next folder	Plays the first file in the next folder.
○	Previous folder	Plays the first file in the previous folder.
○	Scan	Scans all files within the MP3 DISC.
○	Folder Scan	Plays all songs in the folder in which the current playing file is located for 10 seconds each.
○	Repeat File	Repeats the current playing file.
○	Repeat Folder	Repeats all tracks within the current playing folder.
○	Random	Plays all files within the MP3 DISC in random order.
○	Random Folder	Plays all files within the current playing folder in random order.
○	Normal play	Turns off the Scan, Repeat, and Random functions.
○	Pause	Pauses the CD.
○	Play	The command will only be enabled when the CD is paused.

■ USB

Command		Operation
●	USB	If the USB has been connected to the device, plays the MP3 files within the USB.
○	Next file	Plays the next file.
○	Previous file	Plays the previous file.
○	Next folder	Plays the first chapter of the next folder.
○	Previous folder	Plays the first chapter of the previous folder.
○	Scan	Scans all files within the USB.
○	Folder Scan	Plays all songs in the folder in which the current playing file is located for 10 seconds each.
○	Repeat File	Repeats the current playing file.
○	Repeat Folder	Repeats all songs within the current playing folder.
○	Random	Plays all files within the MP3 DISC in random order.
○	Random Folder	Plays all files within the current playing folder in random order.
○	Normal play	Turns off the Scan, Repeat, and Random functions.
○	Pause	Pauses the CD.
○	Play	The command will only be enabled when the CD is paused.

PART 4   VOICE COMMAND SYSTEM

■ iPod

Command		Operation
●	iPod	Plays the songs within the iPod if the iPod has been connected to the device.
○	Next song	Plays the next song.
○	Previous song	Plays the previous song.
○	Repeat song	Repeats the current playing song.
○	Random	Plays all songs within the iPod in random order.
○	Random Album	Plays all songs within the current playing album in random order.
○	Normal play	Turns off the Repeat and Random functions.
○	Pause	Pauses the CD.
○	Play	The command will only be enabled when the CD is paused.

■ Others

Command		Operation
●	Line in	Plays the unit connected with the AUX terminal.
●	Audio on	Turns on the Audio.
●	Audio off	Turns off the Audio.

Command list of Phone

	Command	Operation
●	Call Name	Makes the call to the name.
●	Dial Number	Makes the call to the number.
●	Redial	The recently called number is redialed.
●	Recent Calls	The user can selest a number from the outgoing, incoming, and missed calls.

Command list of navigation system

Navigation commands will operate only agreeing to the terms and conditions for the Navigation system.

■ Map

	Command	Operation
●	Map Current location	Displays the current position of the vehicle.
●	Zoom In	Decreases the map zoom by one level.
●	Zoom Out	Increases the map zoom by one level.
●	Zoom minimum	Displays the map screen in the maximum zoom level.
●	Zoom maximum	Displays the map screen in the minimum zoom level.
●	Zoom level <1 to 14>	Displays the map in the zoom level selected from the 14 levels.
●	Zoom <scale factor>	Displays the map in the corresponding zoom.

PART 4   VOICE COMMAND SYSTEM

	Command	Operation
	150 feet / 50 meters 300 feet /100 meters 700 feet / 200 meters 0.25 miles / 400 meters 0.5 miles / 800 meters 1 mile / 1.6 kilometers 2 miles / 3.2 kilometers 4 miles / 6.4 kilometers 8 miles / 12 kilometers 16 miles / 25 kilometers 32 miles / 50 kilometers 64 miles / 100 kilometers 130 miles / 200 kilometers 250 miles / 400 kilometers (ex.Zoom 0.25 miles, zoom 400 meters)	
○	North up	Displays the map in North Up mode.
○	Heading up	Displays the map in Heading Up mode.
○	Show <POI name> (ex. Show ATM)	Displays the selected POI categories. [POI Category list], page 4-18.
○	Hide <POI name> (ex. Hide ATM)	Hides the selected POI categories. [POI Category list], page 4-18.
○	Hide all	Hides all POI categories.
○	Daylight mode	Converts the map display into daylight mode.
○	Night mode	Converts the map display into night mode.
○	Auto mode	Converts the map display is between daylight/night modes automatically.

■ Destination

	Command	Operation
●	Find address	Sets the destination through address search for route guidance.
●	Find nearest POI	Sets a POI near the current position as the destination for route guidance through POI category search.
●	Find nearest <POI name>	Sets a POI near the current position as the destination by directly inputting the POI name for route guidance. [POI Category list], page 4-18.
●	Destination POI by phone number	Sets the destination by searching the phone number of the facility.
●	Find Emergency <Category> (ex. Find Emergency Hospital)	Searches for an emergency facility which is nearby the current position and sets it as the destination for route guidance. Emergency facilities are police stations, hospitals, and dealerships.
●	Destination by address book	Sets one of the list of previously registered addresses in the address book for the user as the destination.
●	Previous destination	Sets one of the previous destination as the current destination.
●	Previous start point	Sets the previous start point as the current destination.
●	Go home	Sets the previously registered home address as the destination for route guidance.
●	Destination by memory point <1 to 5>	Sets a previously registered memory point as the destination for route guidance.

PART 4 VOICE COMMAND SYSTEM

■ Route

	Command	Operation
●	Cancel route	Deletes the designated destination and terminates the route guidance.
●	Repeat voice guidance	Repeats the route guidance.
●	Detour <1 or 2 or 5 or 10> miles	Searches detour routes within a <1|2|5|10> mile radius.
●	Detour <1 or 2 or 5 or 10> kilometers	Searches detour routes within a <1|2|5|10> kilometer radius.
●	Replan recommended route	Recalculates the route with the recommended route.
●	Replan shortest route	Recalculates the route with the shortest route.
●	Replan minimize freeway route	Recalculates the route with the minimize freeway route.
●	Replan minimize toll road route	Recalculates the route with the minimize toll route.
●	Distance to destination	Reports the remaining distance until destination by voice.
●	Time to destination	Reports the remaining time until destination by voice.
○	View route	If the destination has been set, displays the whole route screen until the destination.
○	Start guidance	Sets the scroll mark displayed on the map as the destination and starts route guidance.

■ Others

	Command	Operation
●	Voice guidance on	Turns the Voice Guidance On.
●	Voice guidance off	Turns the Voice Guidance Off.
●	Voice guidance louder	Increases the Voice Guidance volume by 1 level.
●	Voice guidance softer	Decrease the Voice Guidance volume by 1 level.
●	Store marked location to <text tag> (ex. Store marked location to user 1)	Registers the selected location into the selected Address book.

PART 4   VOICE COMMAND SYSTEM

● **POI Category list**

All Restaurants	Car Wash	Home Specialty Store	Court House
Fast Food restaurant	Motorcycle Dealership	Clothing shop	Fire Department
American restaurant	**All Travel**	Shoe Store	Convention Center
French restaurant	Airport	Pharmacy	City Hall
Italian restaurant	Hotel	**All Recreation**	Civic Center
Continental restaurant	Tourist Information	Amusement Park	School
Mexican restaurant	Travel Agent	Museum	Government Offices
Japanese restaurantl	Tourist Attraction	Cinema	Waste & Sanitary
Chinese restaurant	City Center	Sports Activities	Utilities
Korean restaurant	Rental Car Agency	Sports Complex	**All Services**
Vegetarian Food restaurant	Campground	Golf Course	Hospital
Seafood restaurant	Ferry Terminal	Winery	Dentist
Latin American restaurant	Bus Station	Video & Game Rental	Photography
Asian restaurant	Local Transit	Ski Resort	Tax Service
African restaurant	Train Station	Recreation Area	Medical Service
Coffee Shop	**All Shopping**	Other Recreation	Attorney
Other restaurants	Department Store	**All Financial Service**	Funeral Director
All Automotive	Convenience Store	Bank	Hair & Beauty
Gas Station	Shopping Center	ATM	Cleaning & Laundry
Parking	Music Store	Check Cashing Service	Social Service
Auto service	Grocery Store	Money Transfer	Physician
Road Assistance	Bookstore	Business Facility	Communication services
KIA Dealership	Electronic Store	All Community	Tailor & Alteration
Automobile Dealership	Hardware Store	Police Station	Mover services
Auto Parts	Gifts shop	Post Office	
Rest Area	Sporting Goods store	Library	

Searching a destination by voice command

■ Find address

Sets the destination through address search for route guidance.

① Press the ⌨ button on the Steering wheel remote controller.

② Once the 🔊 icon changes into the 📢 icon on the pop-up screen with a beep sound, say "Find address".

③ Say "Change state" to change the state.

④ Say the state name.

⑤ Say the city name.

⑥ Say the street name.

⑦ Say the House number.
Here, the range which can be inputted will be displayed.

⑧ Say "Start guidance" if guidance to the selected position is desired, or say "Show map" to verify the location of the selected position on the map.

PART 4   VOICE COMMAND SYSTEM

ℹ️ INFORMATION

Spell recognition

• It is possible to search the state, city, street names through the text line inputted by the user.
• To enter spell search mode, say the "Spell 000" command as displayed on the screen.
• Text lines can be inputted continuously.

Pick-List(n-best list)

• If there are more than one voice result, then a pick-list which can be selected by the user will be displayed.
• There may be more than one list page. The desired page can be viewed by using commands such as "next page" or "previous page".
• Here, the "Line + number" voice command can be used to select the desired result, such as "Line one". Pressing the desired result is not supported.
• Also, selectable areas will be highlighted in yellow, allowing the user to easily see which results can be selected.

■ Find nearest POI

Sets a POI near the current position as the destination for route guidance through POI category search.

① Press the ⌨ button on the Steering wheel remote controller.

② Once the 🔊 icon changes into the 📢 icon on the pop-up screen with a beep sound, say "find nearest POI".

③ Select the desired main category.

Select a Subcategory

All Shopping
Department Store
Convenience Store
Shopping Center
Music Store
Grocery Store

1 3 Previous page

Next page

Shopping

④ Select the desired sub category.

Select a POI : Music Store

1	SYNAPSE FILMS	✎	2.0 mi
2	SAM GOODY	✎	2.5 mi
3	BORDERS	✎	3.5 mi
4	RECORD TOWN	✎	3.8 mi
5	PSYCHOPATHIHIC RECORDS	✎	3.9 mi
6	BLOCKBUSTER	✎	5.1 mi

1 3 Previous page

Next page

Shopping

⑤ Select the desired POI from the list and say the line number for the corresponding menu. Ex) "Line 1".

Find Nearest POI

SYNAPSE FILMS
Show Map
Start Guidance

Line 1

⑥ Say "Start guidance" if guidance to the selected position is desired, or say "Show map" to verify the location of the selected position on the map.
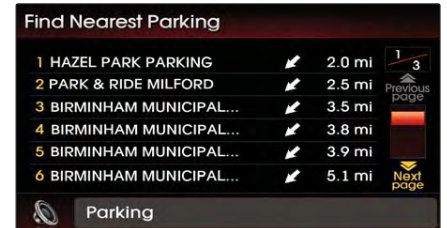
■ **Find nearest <POI name>**

Sets a POI near the current position as the destination by directly inputting the POI name for route guidance.

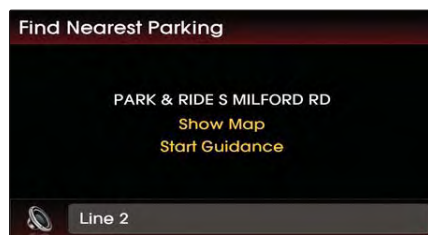① Press the [icon] button on the Steering wheel remote controller.

② Once the [icon] icon changes into the [icon] icon on the pop-up screen with a beep sound, say "Find nearest Parking".

Find Nearest Parking

1	HAZEL PARK PARKING	✎	2.0 mi
2	PARK & RIDE MILFORD	✎	2.5 mi
3	BIRMINHAM MUNICIPAL...	✎	3.5 mi
4	BIRMINHAM MUNICIPAL...	✎	3.8 mi
5	BIRMINHAM MUNICIPAL...	✎	3.9 mi
6	BIRMINHAM MUNICIPAL...	✎	5.1 mi

1 3 Previous page

Next page

Parking

③ Select the desired POI from the list and say the line number for the corresponding menu.
e.g) "Line 2".

VOICE COMMAND SYSTEM 4-21

VOICE COMMAND SYSTEM

PART 4 VOICE COMMAND SYSTEM

Find Nearest Parking

PARK & RIDE S MILFORD RD
Show Map
Start Guidance

Line 2

④ Say "Start guidance" if guidance to the selected position is desired, or say "Show map" to verify the location of the selected position on the map.

■ **Destination POI by phone number**

Sets the destination by searching the phone number of the facility.

① Press the [icon] button on the Steering wheel remote controller.

② Once the [icon] icon changes into the [icon] icon on the pop-up screen with a beep sound, say "Destination POI by Phone number".

Destination POI by Phone Number

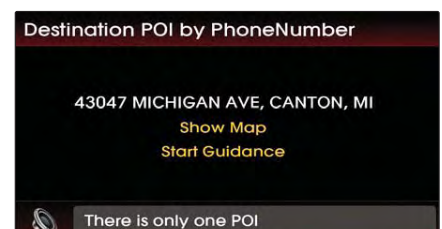Phone #
State   Michigan

BEEP

③ Input the 10 numbers for the phone number.

ⓘ **INFORMATION**

Continuous recognition of phone numbers is possible, and the recognized result will be displayed in block units. To correct a block unit, say "correct". To delete the entire result, say "delete". To have the input read back, say "repeat".

Destination POI by Phone Number

Phone #   734 - 398 - 66XX
State   Michigan

Show List
Correct   Delete   Repeat

BEEP

④ Say "Show list" to view the resulting search list.

Destination POI by PhoneNumber

43047 MICHIGAN AVE, CANTON, MI
Show Map
Start Guidance

There is only one POI

⑤Select the desired location from the list and say the line command.

⑥Say "Start guidance" if guidance to the selected position is desired, or say "Show map" to verify the location of the selected position on the map.

■ **Find emergency <Category> :**
Searches for an emergency facility which is nearby the current position and sets it as the destination for route guidance. Emergency facilities are police stations, hospitals, and dealerships.

①Press the 🖐 button on the Steering wheel remote controller.

②Once the 🔊 icon changes into the 📢)) icon on the pop-up screen with a beep sound, say the voice command. Ex) "Find emergency hospital"

③Select the desired location from the list and say the line command.

④Say "Start guidance" if guidance to the selected position is desired, or say "Show map" to verify the location of the selected position on the map.

PART 4   VOICE COMMAND SYSTEM

■ **Destination by address book**
Sets one of the list of previously registered addresses in the address book for the user as the destination.
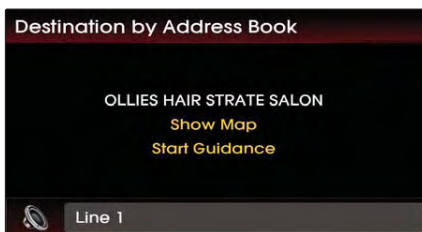
①Press the 🖐 button on the Steering wheel remote controller.

②Once the 🔊 icon changes into the 📢)) icon on the pop-up screen with a beep sound, say "Destination by address book".
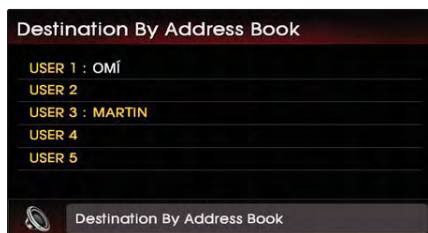
③Select the desired user name(Address book name).

④Select the desired location from the list and say the line command.

⑤Say "Start guidance" if guidance to the selected position is desired, or say "Show map" to verify the location of the selected position on the map.

■ **Previous destination**
Sets one of the previous destination as the current destination.

①Press the 🖐 button on the Steering wheel remote controller.

②Once the 🔊 icon changes into the 📢)) icon on the pop-up screen with a beep sound, say "Previous destination".

③Select the desired location from the list and say the line command.

Previous Destination

43047 MICHIGAN AVE, CANTON, MI
Show Map
Start Guidance

Line 2

④ Say "Start guidance" if guidance to the selected position is desired, or say "Show map" to verify the location of the selected position on the map.

■ **Previous start point**

Sets the previous start point as the current destination.

① Press the 🔘 button on the Steering wheel remote controller.

② Once the 🔇 icon changes into the 🔴 icon on the pop-up screen with a beep sound, say "Previous start point".

Previous Start Point

Show Map
Start Guidance

Previous Start Point

③ Say "Start guidance" if guidance to the selected position is desired, or say "Show map" to verify the location of the selected position on the map.

■ **Go home**

Sets the previously registered home address as the destination for route guidance.

① Press the 🔘 button on the Steering wheel remote controller.

② Once the 🔇 icon changes into the 🔴 icon on the pop-up screen with a beep sound, say "Go home".

■ **Destination by memory point <1 to 5>**

Sets a previously registered memory point as the destination for route guidance.

① Press the 🔘 button on the Steering wheel remote controller.

② Once the 🔇 icon changes into the 🔴 icon on the pop-up screen with a beep sound, say "Destination by memory point 1".

PART 5   BLUETOOTH HANDSFREE

PART 5
BLUETOOTH HANDSFREE

Before using the Bluetooth Handsfree

What is Bluetooth?

- Bluetooth allows wireless transmission of information between PC, mobile phones, headsets, PDAs, printers and other devices within close ranges by using 2.45Ghz frequency short-distance wireless telecommunication technologies.
- Within this vehicle, users can make handsfree calls, transmit mobile phone data, and play audio streaming files by connecting a mobile phone with the system.

Bluetooth is a trademark owned by
Bluetooth SIG, Inc.

Functions supported by Bluetooth Handsfree

- Pairing mobile phones (Up to 5 phones)
- Connecting/disconnecting mobile phones
- Making/Answering phone calls
- Downloading a Phone Book
- Downloading a Call history list
- Playing music saved in a Bluetooth phone in the vehicle

Some functions may not be supported in some mobile phone.

Converting Bluetooth Handsfree mode

Converting from AV/Navigation mode to Bluetooth Handsfree mode

① While in AV mode or Navigation mode, press the PHONE key or the 📞 key on the steering wheel.

② The system will change to Bluetooth Handsfree mode and display the PHONE screen.

③ The following screen will become displayed if no mobile phone has been connected.

Converting from Bluetooth Handsfree mode to AV/Navigation mode

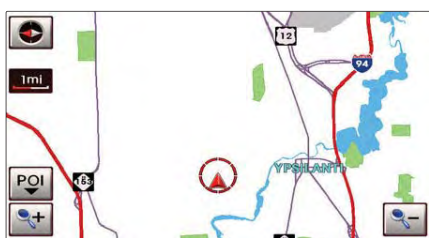① While in Bluetooth Handsfree mode, press an AV/Navigation mode key, such as FM/AM or MAPVOICE .

② The corresponding mode will be displayed.

ℹ **INFORMATION**

Most of the functions of the AV or SETUP modes are not supported while on a Bluetooth Handsfree call. The call volume and Navigation (MAP VOICE, DEST, ROUTE) screens can be operated.
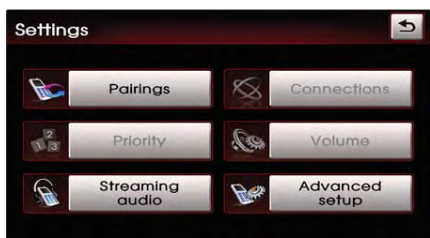

PART 5   BLUETOOTH HANDSFREE

Pairing and connecting a Bluetooth phone

Pairing a mobile phone

① Press the Settings button on the PHONE screen.

② Press the Pairings button on the Settings screen.

③ The list of currently paired phones will be displayed. Press the Add to button to pair a new mobile phone.

ℹ **INFORMATION**

For safety reasons, pairing a Bluetooth phone is not possible when the vehicle is in motion.
Park the vehicle in a safe location to pair a new phone. It is possible to pair up to five mobile phones. In order to pair a new phone when there are already five mobile phones paired, you must first delete one of the previously paired phones.

④ From the Bluetooth device list within the mobile phone, add the car handsfree. The default name of the car system is SORENTO.

For more information on registering Bluetooth devices from the mobile phone, please refer to the mobile phone user's manual.

ℹ **INFORMATION**

While conducting a Bluetooth device search from the mobile phone, operating to another screen will prevent the car handsfree from being found in the mobile phone. Always conduct searches for Bluetooth devices with the Search Bluetooth device screen displayed.

⑤ When pairing the car handsfree from the mobile phone, a passkey input window will become displayed on the mobile phone screen. Input the passkey set within the car system into the mobile phone input window. (The factory state passkey is 0000.) As shown in the figure, once the passkey becomes successfully inputted, the Bluetooth connection between the car system and mobile phone will start.

⑥ Once Bluetooth connection is successful, the name of the connected mobile phone will become displayed on the PHONE screen and Bluetooth handsfree functions will operate.

ⓘ **INFORMATION**

Some functions may not be supported due to limited Bluetooth compatibility between the car system and mobile phone.

PART 5   BLUETOOTH HANDSFREE

Deleting a paired phone

① Press the Settings button on the PHONE screen.

② Press the Pairings   button on the Settings screen.

③ The list of currently paired phones will be displayed. Select the phone you wish to delete from the list and press the Delete button.

④ A pop-up asking whether you wish to delete the paired phone will be displayed. Press the Yes button to delete the paired phone and the No button to cancel.
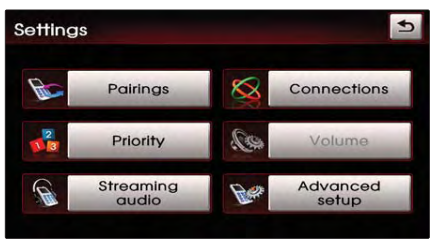
⚠ **CAUTION!**

A mobile phone cannot be deleted if it is currently connected to the car system.
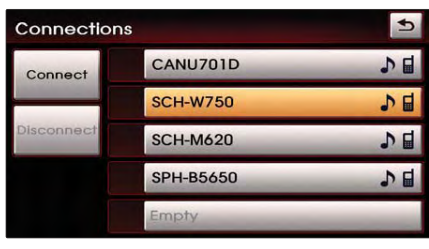To delete the phone, first disconnect the mobile phone and try again.

Connecting a mobile phone

① Press the Settings button on the PHONE screen.

② Press the Connections button on the Settings screen.

③ The list of currently paired phones will be displayed. Select the phone you wish to connect from the list and press the Connect button.

ℹ **INFORMATION**

When there are no paired phones, pair the mobile phone through [Settings>Pairings> Add to]. For more information on pairing mobile phones, refer to the user's manual [Pairing and Connecting a Bluetooth phone > Pairing a mobile phone].

④ The Bluetooth connection between the car system and mobile phone will start.

⑤ Once Bluetooth connection is successful, the name of the connected mobile phone will become displayed on the PHONE screen and Bluetooth handsfree functions will operate.

PART 5   BLUETOOTH HANDSFREE

⑥ If the connection between the mobile phone and Bluetooth fails, the following pop-up will be displayed. If problems occur while connecting Bluetooth, check for the following conditions.

● Whether the mobile phone you wish to connect is in the vicinity of the car system
● Whether the power of the mobile phone Bluetooth has been turned off
● Whether the mobile phone Bluetooth has been set to hidden state
● Whether there are Bluetooth compatibility issues between the car system and another mobile phone

Disconnecting a mobile phone

① Press the Settings button on the PHONE screen.

② Press the Connections button on the Settings screen.

③ The list of currently paired phones will be displayed. Select the phone you wish to disconnect from the list and press the Disconnect button.

④ A pop-up asking whether you wish to disconnect the mobile phone will be displayed.
Press the Yes button to disconnect the mobile phone and the No button to cancel.
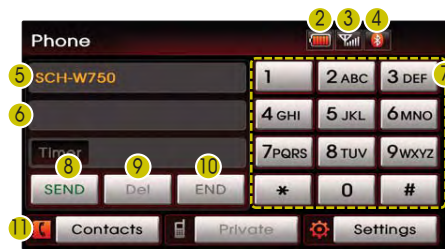
Bluetooth Handsfree screen layout

Bluetooth Handsfree screen and functions

■ When there is no mobile phone connected

1 Settings : The user can set environment settings for the Bluetooth handsfree, such as pair/delete mobile phone, connect/disconnect mobile phone, set call volume, change device name and change passkey.

■ When a mobile phone is connected

2 Phone battery charge status : Displays the battery charge status of the connected mobile phone. The battery charge status may not be displayed in some mobile phones.

3 Signal strength : Displays the mobile phone signal strength. The signal strength may not be displayed in some mobile phones.

4 Bluetooth connection state : Becomes displayed when a Bluetooth phone has been connected with the car system.

5 Name of connected mobile phone : Displays the name of the connected mobile phone.

6 Phone number input window : Displays the inputted phone number.

7 Dial : Input the phone number through the dial pad.

8 SEND : If a number has not been inputted into the phone number input window, then displays the call history list screen.

9 Del : Deletes the inputted number one digit at a time.

10 END : If a number has been inputted, then erases the entire number.

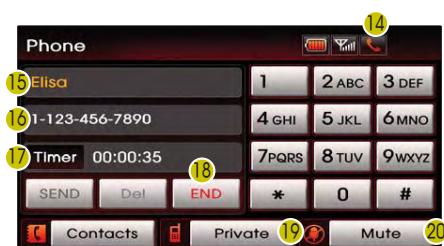11 Contacts : Displays the phone book screen. The user can search previously saved phone numbers.

BLUETOOTH HANDSFREE 5-9

PART 5   BLUETOOTH HANDSFREE

■ When receiving an incoming call
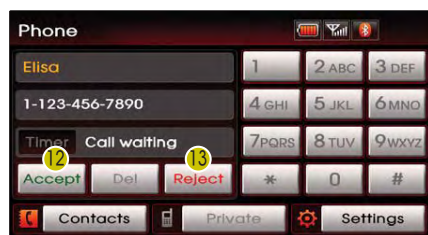
12 Accept : Accepts the incoming call.
13 Reject : Rejects the incoming call.

■ When already on a call

14 Busy icon : When already on a call, displays an icon shaped like a receiver.

15 Name of incoming caller : Displays the name of incoming caller. The name of the incoming caller will not be displayed if the caller's phone number has not been previously registered in the phone book.

16 Number of incoming caller : Displays the number of the incoming caller.

17 Call state : Displays the call state, such as talk time, phone connection, and end time.

18 END : Ends the call.

19 Private : When talking on the car handsfree, use this function to switch the call to the mobile phone. Press this button and the following screen will be displayed. The speaker and microphone will be switched to the mobile phone.

20 Mute : Use this function to mute the outgoing volume. Pressing the Mute button will display the at the top right side of the screen and the caller will not be able to hear the conversation taking place in the car. Press the Mute button again to release the Mute function.

■ When there is a call waiting
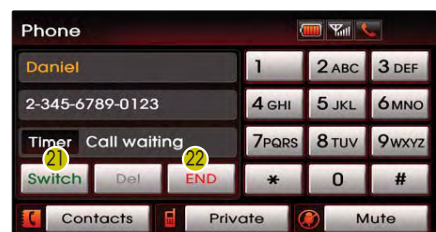
21 Switch : Use this button to switch between callers when there are calls on call waiting.

22 END : Use this button to end the calls with all callers.

Making a call

Making a call by dialing a phone number

① Use the number pad on the right side of the PHONE screen to input the number you wish to call.

② Press the SEND button or the [phone] key on the steering wheel to make the call.

ℹ NFORMATION

To modify, press the Del button to delete the inputted number one digit at a time. Press the END button or the [phone] key on the steering wheel to cancel the call.

Making a call from Speed Dial

① Use the number pad on the right side of the PHONE screen to input a speed dial number.

ℹ INFORMATION

Only speed dial numbers already stored on the mobile phone can be used for speed dial calls.

Up to 2-digit speed dial numbers are supported.

PART 5   BLUETOOTH HANDSFREE

② Press the SEND button or the [phone] key on the steering wheel to make the call.

ℹ INFORMATION

For 2-digit speed dial numbers, press and hold the 2nd digit to make a call to the speed dial number.

Making a call by redialing

① Press and hold (over 0.8 second) the SEND button on the PHONE screen or the [phone] key on the steering wheel.

ℹ INFORMATION

Redialing is not possible when there is no call history or the call history list is being downloaded from the mobile phone. When there is no call history list, the SEND button will be inactive.
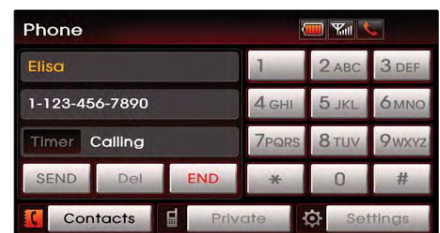
② The recently called number is redialed.

ℹ INFORMATION

It is not possible to display the AV mode and Settings screen when on a phone call. Only the call volume and Navigation (MAP VOICE, DEST, ROUTE) screens can be operated.

Answering a call

Answering an incoming call

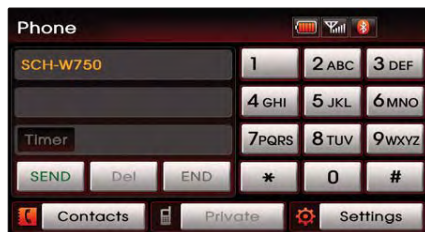① The following screen will be displayed when you receive an incoming call.

② To answer the incoming call, press the Accept button or the 📞 key on the steering wheel.

Rejecting an incoming

① The following screen will be displayed when you receive an incoming call.

② To reject the incoming call, press the Reject button or the 📞 key on the steering wheel. The incoming call will be rejected.

ℹ️ **INFORMATION**

Upon receiving a call, the Reject function may not be supported in some mobile phones.

PART 5 BLUETOOTH HANDSFREE

Operating menus during a call

Switching call to the mobile phone

① If you wish to switch the call to the mobile phone while talking on the car handsfree, press the Private button or press and hold (over 0.8 second) the 📞 key on the steering wheel.

② As shown, the call will be switched to the mobile phone.

ℹ️ **INFORMATION**

If you wish to switch the call to the car handsfree while talking on the mobile phone, press the Use handsfree button or press and hold (over 0.8 second) the 📞 key on the steering wheel. The call will be switched to the car handsfree.

Activating Call waiting

① If another person calls while already on a call, the following screen will be displayed.

② Press the Accept button or the 📞 key on the steering wheel to receive the incoming call by switching to the new caller.

③ To switch again to the other caller, press the ⌜Switch⌟ button or the 📞 key on the steering wheel. The other call will be received and the previous call will switch back to call waiting.

ℹ **INFORMATION**

Press the ⌜End⌟ button or the 📞 key on the steering wheel to end the current call and call waiting.

Ending a call

① To end a call, press the ⌜End⌟ button or the 📞 key on the steering wheel.
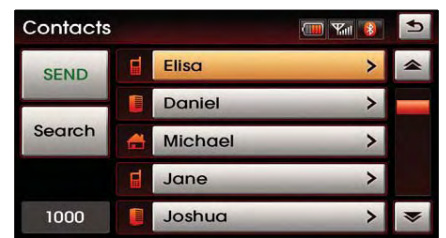

② The call will be ended.

PART 5   BLUETOOTH HANDSFREE
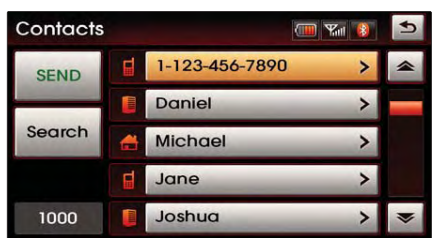
Phone Book

Making a call from the Phone book

① Press the ⌜Contacts⌟ button on the PHONE screen.

② The phone book list will be displayed.

ℹ **INFORMATION**
- The system may begin to slow down when downloading the phone book in some mobile phones.
- Upon connecting a mobile phone, the phone book lists saved in the mobile phone will automatically be downloaded. The phone book download function may not be supported in some mobile phones.
- If you do not wish to automatically download the mobile phone contacts to the vehicle, turn the Contacts Sync setting OFF. (Phone>Settings>Advanced setup>Contacts Sync)

③ Select the number you wish to call from the phone book list and press the ⌜SEND⌟ button.
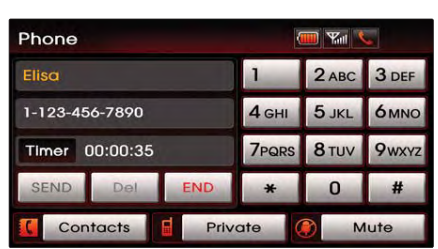
④ The call will be made to the selected number.

ℹ **INFORMATION**
- When there are more than 2 numbers saved in one phone number list, if the list is repeatedly selected, the registered phone numbers will be displayed sequentially on the list.
- The Mobile Phone/Office/Home categories received via the mobile phone may differ from the information actually stored in the mobile phone.
- Select the phone number you wish to connect by repeatedly selecting the phone number list and press the ⌜SEND⌟ button to make the call to the selected number.

Searching the Phone Book

① Press the Contacts button on the PHONE
screen.

② Press the Search button on the Contacts
screen.

③ Phone numbers can be searched by either
 Search by name or Search by number .
From the two methods, select the search
method you wish to use.

■ **Searching by name**
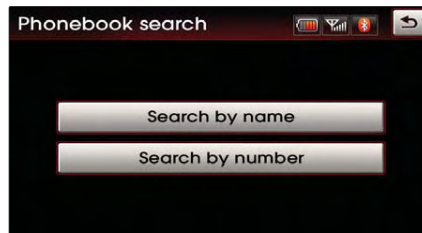
④ Press the Search by name button on the
Phonebook search screen.

⑤ Input the name you wish to search and
press the Done button.

⑥ The search results will be displayed on the
screen.

PART 5 **BLUETOOTH HANDSFREE**

■ **Searching by number**

④ Press the Search by number button on the
Phonebook search screen.

⑤ Input the phone number you wish to
search and press the Done button.
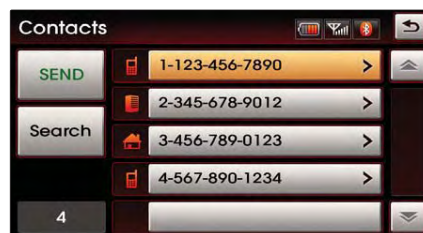
⑥ The search results will be displayed on the
screen.

Call History List

Making a call from Call history

① Press the SEND button on the PHONE screen or press the 📞 key on the steering wheel.
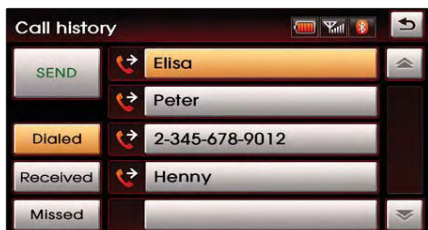
② The call history list will be displayed. Select the number you wish to call from the call history list and press the SEND button.

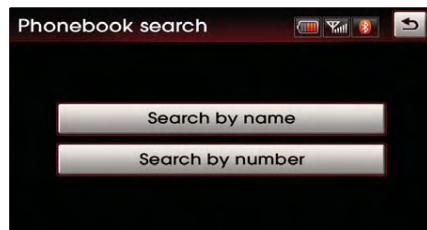③ The call will be made to the selected number.

Sorting call history
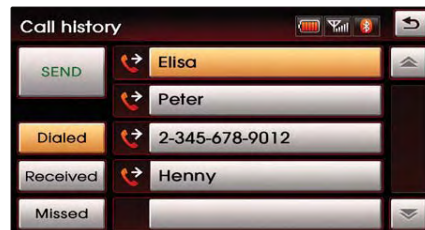
① The call history can be displayed by sorting the incoming calls, outgoing calls and missed calls.

② When pressing the Dialed , Received , or Missed button, the corresponding call history list will be displayed.
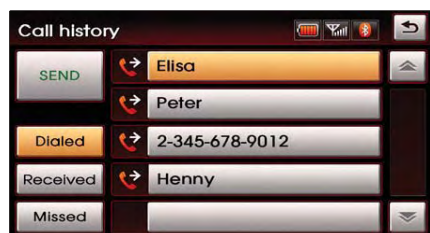
■ **Dialed number**

■ **Received number**
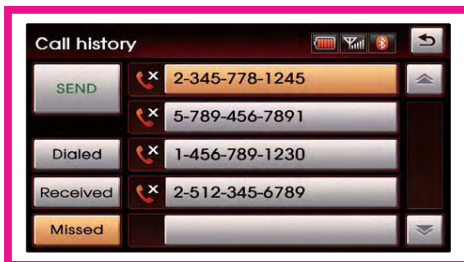
■ **Missed number**

ℹ️ *INFORMATION*

If there are no entries saved in the Dialed , Received , or Missed lists, the corresponding button will be inactive. Up to 20 entries can be saved in each list.

Phone Music

Before playing Phone music

Music saved in the mobile phone can be played in the car through Bluetooth audio streaming.

Phone music can be played only when a Bluetooth phone has been connected. To play phone music, connect the Bluetooth phone to the car system. For more information on connecting Bluetooth, please refer to the user's manual [Pairing and Connecting a Bluetooth phone].

If the Bluetooth is disconnected while playing phone music, the music will be discontinued.

The audio streaming function may not be supported in some mobile phones.

Only one function can be used at a time between the Bluetooth handsfree or Phone music function.

For example, if you convert to the Bluetooth handsfree while playing Phone music, the music will be discontinued.

Playing music from the car is not possible when there are no music files stored in the mobile phone.

Starting Phone Music

① Repeatedly press the CD/AUX key on the front panel or the MDOE key on the steering wheel to enter Phone music mode.

PART 5   BLUETOOTH HANDSFREE

ⓘ **INFORMATION**

Each press of the CD/AUX key on the front panel will change the function in the order of DISC → USB or iPod → AUX → Phone Music → DISC .

Each press of the MODE key on the steering wheel will change the audio mode in the order of FM1 → FM2 → AM → SIRIUS1 → SIRIUS2 → SIRIUS3 → DISC → USB or iPod → AUX → Phone Music → FM1.

It is not possible to enter Phone music mode if the mobile phone is not connected or if the audio streaming setting within Bluetooth handsfree settings has been set to [Disable streaming audio].

For more information on audio streaming setting, please refer to the user's manual [Bluetooth settings > Setting Audio streaming].

② The Phone music screen is displayed.

ⓘ **INFORMATION**

While music saved in the mobile phone will automatically begin playing after converting to the Phone music screen, this music player function may not be supported in some mobile phones.

If music does not begin playing even after converting to the Phone music screen, try starting the music directly from the mobile phone.

Phone music screen layout

❶ Information Bar : displays information for the currently playing song.

❷ File Down button : plays the previous song.

❸ Play/Pause button : Plays/pauses the song.

❹ File Up button : plays the next song.

Selecting Phone music files

① Press the ◄◄, ►► buttons on the Phone music screen or the `SEEK ∧` , `TRACK ∨` keys on the system.
The previous or next song will be played each time the button or key is pressed.

ℹ️ **INFORMATION**

The file selection function may not be supported in some mobile phones.

PART 5   BLUETOOTH HANDSFREE

Bluetooth settings

Pairing and connecting a mobile phone

For more information on pairing and connecting a mobile phone, please refer to [Pairing and Connecting a Bluetooth phone].

Setting mobile phone auto connect priority

ℹ️ **INFORMATION**

After turning on the car ignition and the system is booted up, the Bluetooth connection between the car system and mobile phone is automatically made.
The Bluetooth connection will be conducted in the order of mobile phone priority.
The auto connect priority will be supported only for previously paired mobile phones.

① Press the `Settings` button on the PHONE screen.

② Press the `Priority` button on the Settings screen.

③ The paired mobile phone list and the mobile phone connection priority will be displayed.
When wishing to change the priority order, select the mobile phone from the list and use the ⬆ , ⬇ buttons to change its priority.
Press the `Done` button to save the changed mobile phone priority.

Setting Handsfree volume

① Press the [Settings] button on the PHONE screen.

② Press the [Volume] button on the Settings screen.

ⓘ INFORMATION

The Bluetooth handsfree volume can be adjusted only when a mobile phone has been connected.
The [Volume] cannot be set if no mobile phone has been connected.

③ Use the [<], [>] buttons to set the desired volume on the Phone volume screen. Press the [Done] button to save.

ⓘ INFORMATION

While on a call, turning the [POWER] knob to the left/right or pressing the [VOL+], [VOL−] keys on the steering wheel will also adjust the call volume.
If the call volume is set too high, the loud incoming call bell may cause a traffic accident.

Setting Audio streaming

① Press the [Settings] button on the PHONE screen.

② Press the [Streaming audio] button on the Settings screen.

PART 5   BLUETOOTH HANDSFREE

③ Streaming audio setting is selected.

ⓘ INFORMATION

Enable streaming audio: Repeatedly press the [CD/AUX] key or the [MODE] key to enter Phone music mode. Phone music can be played through Bluetooth audio streaming.
Disable streaming audio: Even if the [CD/AUX] key or the [MODE] key is repeatedly pressed, will not enter Phone music mode. Phone music through Bluetooth audio streaming is not supported.

Advanced settings

Bluetooth advanced settings can be changed. Enter advanced settings through the following way.

① Press the [Settings] button on the PHONE screen.

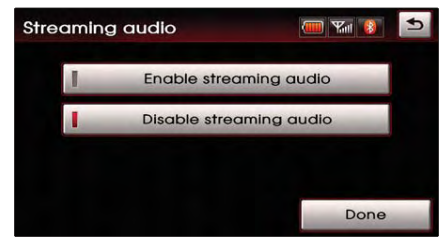
② Press the [Advanced setup] button on the Settings screen.

ⓘ INFORMATION

For safety reasons, operation of Advance setup is not possible when the vehicle is in motion. Please park in a safe place to make changes to Advanced setup.

③ The Advance setup screen will be displayed. In Advance setup, the following four settings can be made.

■ **Setting Contacts Auto Download (Sync)**

① While in Advanced setup press the Contacts Sync button.

② After turning Contacts Sync ON/OFF, press the Done button.

■ **Searching and modifying my device properties**
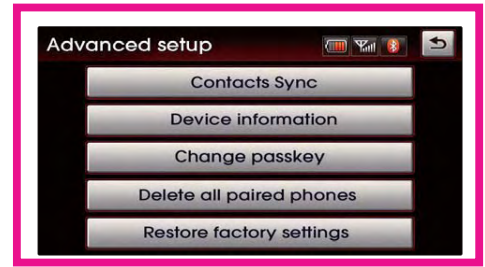
④ Press the Device information button on the Advance setup screen.

⑤ Displays the Device information such as the name and address of the car system. To modify the device name, press the Change name button.

PART 5   **BLUETOOTH HANDSFREE**

⑥ Use the key pad to input the Device name you wish to modify.

⑦ After inputting is complete, press the Done button to save.

■ **Changing passkey**
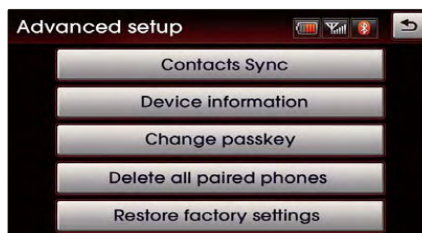
④ Press the Change passkey button on the Advance setup screen.

⑤ Once the Change passkey screen is displayed, input the desired passkey and press the Done button.

> ⓘ *INFORMATION*
>
> The passkey is a 4-digit authentication code used for a Bluetooth connection between the mobile phone and car system. The default passkey is set to 0000.

■ **Deleting all paired phones**

④ Press the Delete all paired phones button on the Advance setup screen.

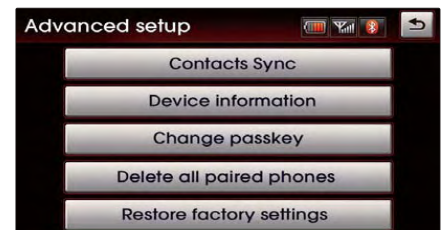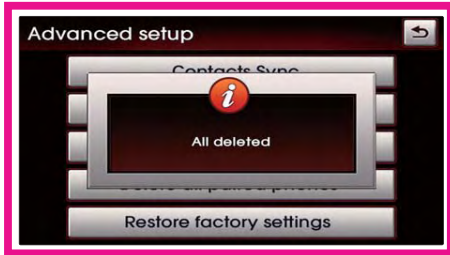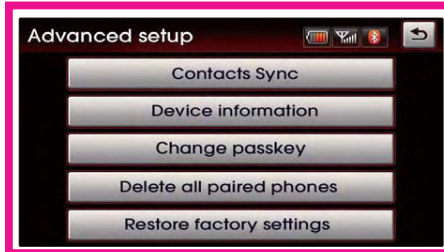⑤ A pop-up asking whether you wish to delete all paired phone will be displayed. Press the Yes button to delete all paired phones and the No button to cancel.

⑥ If Yes button is pressed, all currently paired phones will be deleted.
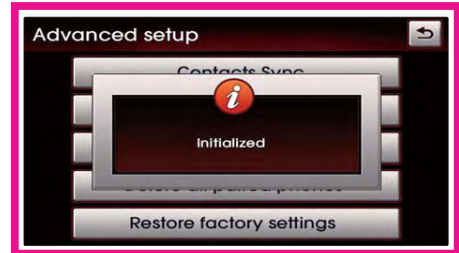
■ **Initializing Bluetooth handsfree**

④ Press the Restore factory settings button on the Advance setup screen.

⑤ A pop-up asking whether you wish to initialize the Bluetooth handsfree will be displayed.
Press the Yes button to initialize the Bluetooth handsfree system and the No button to cancel.

ⓘ *INFORMATION*

Upon initializing the Bluetooth handsfree, the entire paired phone list will be deleted and all Bluetooth related settings will be restored to factory state.

⑥ If Yes is pressed, the Bluetooth handsfree settings will be initialized.

PART 5 BLUETOOTH HANDSFREE

Important information

About pairing mobile phones

Q. I cannot search for mobile phones through the car system. What is the cause?

A. Check to see whether the mobile phone you wish to connect supports Bluetooth function. If your mobile phone supports Bluetooth, check to see that whether the Bluetooth settings in the mobile phone have been set to hidden state or if the Bluetooth power has been turned off. If the device has been set to hidden, release the hidden state and if the Bluetooth power has been turned off, turn the power ON and try searching again.

Q. What is the difference between pairing a mobile phone and connecting a mobile phone?

A. Through a two-way passkey between the car system and mobile phones, up to 5 mobile phones can be paired with the car system. The paired mobile phone will remain paired with the car system until the user deletes it manually.
In addition, the call history lists and phone number books saved in each mobile phone will also be maintained until the paired phone is deleted. For more information on pairing mobile phones, please refer to the manual [Pairing and Connecting a Bluetooth phone > Pairing a mobile phone].
Connect a mobile phone to Bluetooth by selecting the desired mobile phone from the paired phones. Within the car system, only one Bluetooth phone can be connected at one time. For more information, please refer to the manual [Pairing and Connecting a Bluetooth phone > Pairing a mobile phone].

Q. What is a Passkey?

A. A passkey is an authentication code used for two-way authentication of the car system and the mobile phone.
Only 4-digit numbers can be used as passkeys. Passkeys are registered only once when pairing the phone number for the first time. The factory-set passkey is 0000.

About making/answering phone calls

Q. How can I answer a call?

A. When you receive an incoming call, press the 📞 key on the steering wheel or the `Accept` button on the PHONE screen to answer. To reject the incoming call, press the 📞 key on the steering wheel or the `Reject` button on the PHONE screen.

Q. What should I do if I am talking on the Handsfree but wish to switch the call to the mobile phone?

A. To switch the call to the mobile phone, press the `Private` button on the PHONE screen or press and hold (over 0.8 second) the 📞 key on the steering wheel. If you wish to switch the call back to the car handsfree, press the `Use handsfree` button on the PHONE screen or press and hold (over 0.8 second) the 📞 key on the steering wheel.

About Bluetooth device environment

Q. What is the range for Bluetooth wireless connection?

A. The wireless connection range is within 10 meters.

Q. How many mobile phones can be paired?

A. It is possible to pair up to five phones with the car system.

Q. What is the reason why the call quality deteriorates?

A. First, check to see the signal strength of the mobile phone. The call quality may deteriorate when the signal strength is low. Call quality may also deteriorate if metal objects, such as drink cans, are placed near the mobile phone.

PART 6   REAR SEAT ENTERTAINMENT SYSTEM (RSE)

PART 6
REAR SEAT ENTERTAINMENT SYSTEM (RSE)

PART 6
REAR SEAT ENTERTAINMENT SYSTEM (RSE)

REAR SEAT ENTERTAIN-MENT SYSTEM (RSE) (IF EQUIPPED)

Important Safety Information

Please read the following for safety precautions.

⚠ WARNING !

Ignoring the warnings listed within this user manual may cause fatal or serious injuries. Warnings indicate matters which may directly lead to accidents.

⚠ CAUTION!

Ignoring the cautions listed within this user manual may lead to accidents or injury. Cautions indicate matters which may lead to vehicle damage or malfunction.

ⓘ INFORMATION

Information which the user must observe in order to prevent vehicle damage or malfunction.
Warnings which must be observed in the case of vehicle malfunction.
Information which the user must have prior knowledge of.
Information which allows for more convenient operation.

Closely observe and comply with the following cautions before using the product. All problems which occur in violation of the following will not be the responsibility of the manufacturer.
For user and passenger safety, please read the user manual carefully before using the product.

1. Do not disassemble, assemble, or modify the RSE system.
2. Set the volume to a level which allows the driver to be aware of external conditions.
3. Do not operate the RSE system for prolonged periods of time with the vehicle ignition turned off. Such operations may lead to battery discharge.
4. Be cautious not to spill water or introduce foreign objects into the device.
5. Opening the Roof Monitor with excessive force may lead to damage.
6. In case of product malfunction, please contact your place of purchase or After Service center.

⚠ CAUTION!

When cleaning this product, make sure to turn off the device and use a dry and soft cloth. Never use harsh materials, chemical cloths, or solvents (alcohol, benzene, thinners, etc.) as such materials may damage the device panel or cause color and quality deterioration.

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.

⚠️ WARNING !

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

Product Characteristics

This device is a total AV system supporting audio CD, MP3, VCD, DVD and AUX. With a WIDE VGA LCD (176.7 X 99.4mm.), this device allows for powerful sound and driving enjoyment.

Dolby	Dolby	Dolby Digital
	Logo	DD DOLBY DIGITAL
	Notice	Manufactured under license from Dolby Laboratories. Dolby and double-D symbol are trademarks of Dolby Laboratories.
DVD FLLC	Notice	DVD Video Player
	Logo	DVD VIDEO
Macrovision	Notice	U.S. Patent Nos. 4,631,603; 4,577,216; 4,819,098; 4,907,093; and 6,516,132
		This product incorporates copyright protection technology that is protected by U.S patents and other intellectual property rights. Use of this copyright protection technology must be authorized by Macrovision, and is intended for home and other limited viewing uses only unless otherwise authorized by Macrovision. Reverse engineering or disassembly is prohibited.

■ Display

Large-size (176.7 X 99.4mm) WIDE VGA LCD with CCFL installed large-size (176.7 X 99.4 mm) WIDE VGA LCD provides high viewing pleasure.

With NORMAL, FULL, WIDE screens, the display can be selected in accordance to user preference and video suitability.

■ DVD Player

Auto Play function

Inserting an audio CD, MP3, VCD, DVD will automatically turn on the device and begin playing. (Auto conversion to Roof Monitor)

PBC support (PLAY BACK CONTROL)

The various information encoded in the Video CD can be enjoyed by using the interactive menu encoded in MPEG1 Version 2.0 Video CD discs.

■ Others

Digital screen control function

The brightness, saturation, hue and contrast of the screen can be easily adjusted.

PART 6   REAR SEAT ENTERTAINMENT SYSTEM (RSE)

Name and function of system parts

■ REAR Roof Mount Monitor

❶ Used to pause or replay the current file on the RSE system.

❷ Used to return to the previous screen. (When moving to the parent menu from the child menu (menu which is one level lower), there will be no operation within the main menu screen or other screens.)

❸ Switches to the DVDP/RSE AUX mode.

❹ Used to move the select area leftwards.

❺ Used to move the select area rightwards.

❻ Used to move the select area upwards.

❼ Used to move the selected area downwards.

❽ Used to select the button within the selected area.

9 Used to make screen setting for the mode currently operating on the RES system.

10 Used to display the menu for the mode currently operating on the RSE system.

11 Used to turn the power of the RSE system on/off.

12 This switch is used to open the REAR monitor.

13 Earphone connection terminal

14 Earphone volume controller

15 A receiver is installed within the Remote Controller.

16 A device which transmits signals to the infrared wireless headset is installed.

■ **REAR DVDP DECK**

1 This switch is used to eject the DISC from the REAR DVDP DECK.

2 If a disc, such as a CD/MP3/VCD/ DVD title, is inserted in the DISC slot, the corresponding mode will automatically be recognized and displayed on the screen. If a disc is inserted while the power is OFF, the power will be turned on automatically and the corresponding mode will become displayed.

3 Display when a DISC has been inserted.

4 An auxiliary AUDIO & VIDEO player (camcorder, vehicle VCR, etc.) can be connected for viewing.)

PART 6 REAR SEAT ENTERTAINMENT SYSTEM (RSE)

■ **Rear Wireless Headset**

1 This is used to turn the power on/off.

2 This is used to make volume adjustments.

⚠ **CAUTION!**

The power button and volume are positioned at the left side of the headset. Wearing the headset with the left and right-side reversed may reduce sound quality and reception. Check to see that the headsets are properly worn.

■ **Rear Remote Controller**

1 Used to turn the power of the RSE system on/off.

2 Used to illuminate the remote controller when the interior of the vehicle is dark.

3 Used to operate the DVDP mode.

4 Used to operate the AUX mode.

5 Used to make screen settings for the mode currently operating on the RSE system.

6 Used to display the menu for the mode currently operating on the RSE system.

7 Used to display the SEARCH screen while in DVD/VCD mode.

8 Used to return to the previous screen. (When moving to the parent menu from the child menu (menu which is one level lower), there will be no operation within the main menu screen or other screens.)

❾ Used to move the select area upwards.

❿ Used to move the select area leftwards.

⓫ Used to move the select area right-wards.

⓬ Used to move the selected area down-wards.

⓭ Used to select the button within the selected area.

⓮ Used to operate the SEEK or TRACK selection function in accordance to the currently playing AV mode.

⓯ Used to operate the FF/REW functions for the current AV mode.

⓰ Used to set the DVD menu.

⓱ Used to pause or replay the current file on the RSE system.

⓲ Used to sets the DVD title.

⓳ Used to change the DVD AUDIO lan-guage.

⓴ Used to change the DVD SUBTITLE.

㉑ Used to change the DVD ANGLE.

Operating the RSE System

■ **Starting the System**
① Position the ignition key onto ACC or ON.
② If PWR button on the Root Mount Monitor or the ⏻ button on the remote controller is pressed, the AV sys-tem will turn on and display the most recently operated mode. (EX: turning on the system will display DVD mode if the last operated mode prior to turning off the system had been DVD)
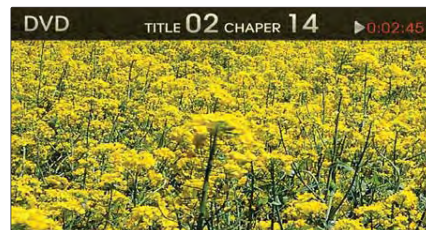
PART 6   REAR SEAT ENTERTAINMENT SYSTEM (RSE)

■ **Turning Off the System**
① If PWR button on the Root Mount Monitor or the ⏻ button on the remote controller is pressed while the RSE system is operating, the Rear AV sys-tem will stop operation and turn off.

■ **Methods of RSE System Operation**
① The RSE system is operated by using the ‹ › ∧ ∨ and ⊙ key on the Root Mount Monitor, ‹ › ∧ ∨ key and ⊙ key on the remote controller.

■ **Operating the RSE System**
① Press one of the ‹ › ∧ ∨ keys on the remote controller to display a select area.
② If the ‹ › ∧ ∨ key button on the remote controller is pressed, the select area will move in the direction of the pressed button.
  Move to the desired direction and press the ⊙ key on the remote controller to select the current button.
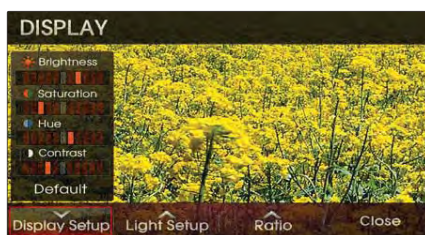③ If there are no operations for 10 seconds,

the select area will disappear. Re-press-ing one of the ‹ › ∧ ∨ keys will re-create the select area.

ⓘ **INFORMATION**
The ‹ › ∧ ∨ and ⊙ keys on the REAR Roof Mount Monitor and the ‹ › ∧ ∨ and ⊙ keys on the Remote controller are used to conduct the same functions.

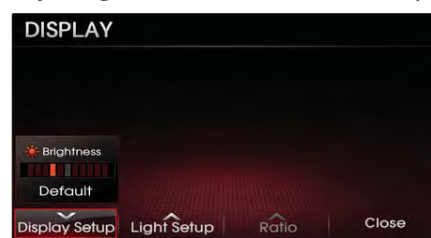■ **Adjusting the Screen Settings for the RSE (REAR) System**
Adjusting the Video Screen Quality

① Press the DISPLAY button on the Roof Mount Monitor or the DISP button on the Remote Controller to display the semi-transparent video mode screen set-

ting menu on the screen.
② The 4-direction keys on the Roof Mount Monitor or the Remote Controller can be used to make adjustments to the bright-ness, saturation, hue, contrast, day night, auto-light, screen ratio, etc.

Adjusting the Non-Video Screen Quality

① Press the DISPLAY button on the Roof Mount Monitor or the DISP button the remote controller while non-video mode is playing to display the non-video mode screen setup menu.
② Use the 4-direction keys on the Roof Mount Monitor or the Remote Controller to adjust the brightness, day/night modes and Auto Light function.

INFORMATION

Upon selecting DAY LIGHT, the bright screen is always maintained regardless of the on/off state of the car taillights. However, brightness may be set to 90% in accordance to the external auto light sensor.

Upon selecting AUTO LIGHT, the display is automatically brightened or darkened in accordance to external brightness.

DVDP/AUX

■ Starting DVDP/AUX mode by use of Roof Mount Monitor

① Press the the MODE button key on the Roof Mount Monitor.

② Pressing the the MODE button key will change the mode in the order of DVDP/AUX/ DVDP mode.

■ Starting DVDP/AUX mode by use of Rear remote controller

① Press the the DISC button key on the Rear Remote Controller to enter DVDP mode.

② Press the AUX key on the Rear Remote Controller to enter AUX mode.

### INFORMATION

If there are no discs already inserted in the DVD player, pressing the DISC key on the remote controller will not begin mode operation.

CD

■ Starting CD mode

① Press the MODE key on the Roof Mount Monitor or the DISC key on the Rear remote controller to change to DVD Player mode.

② If a CD is inserted in the DVD player, the CD mode screen will be displayed.

PART 6   REAR SEAT ENTERTAINMENT SYSTEM (RSE)

■ CD mode menu screen configuration
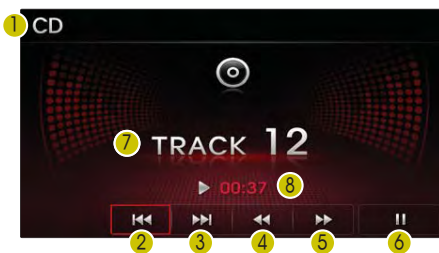
① Mode display : This displays that the current mode is CD mode of the DVD Player.

② TRACK DOWN button : The start of the current or previous track will begin playing. The start of the current track will begin playing if the track has played for over 3 seconds. The start of the previous track will begin playing if the track has played for under 3 seconds.

③ TRACK UP button : The start of the next track will begin playing.

④ FAST FORWARD button : The track can be fast forwarded.

⑤ FAST REWIND button : The track can be rewinded.

⑥ PLAY/PAUSE button : Used to pause or replay the current track on the RSE system.

⑦ TRACK display : The current TRACK of the currently playing DISC is displayed.

⑧ Play time : The play time of the currently playing song is displayed.

■ Selecting a track with the Remote Controller & Searching a playing track

1. Press the ◄◄ SEEK / TRACK ►► key on the Remote Controller to move to the previous or next track.

2. Pressing the ◄◄ TUNE ►► key on the Remote Controller will quick search the current track.

INFORMATION

If there are no discs already inserted in the DVD player, pressing the DISC key on the remote controller will not begin mode operation.

The RANDOM, REPEAT and SCAN functions are not supported.

MP3

■ Starting MP3 mode

① Press the ⌐MODE⌐ key on the Roof Mount Monitor or the ⌐DISC⌐ key on the Rear remote controller to change to DVD Player mode.

② If an MP3 is inserted in the DVD player, the MP3 mode screen will be displayed.

■ MP3 mode menu screen configuration

① Mode display : This displays that the current mode is MP3 mode of the DVD Player.

② PLAY MODE button : Displays the menu of the mode currently being played. Press again to close the menu.

③ FILE DOWN button : The start of the current or previous file will begin playing. The start of the current file will begin playing if the file has played for over 3 seconds. The start of the previous file will begin playing if the file has played for under 3 seconds.

④ FILE UP button : The start of the next file will begin playing.

⑤ FAST FORWARD button : The file is fast forwarded.

⑥ FAST REWIND button : The file is rewinded.

⑦ PLAY/PAUSE button : Used to pause or replay the current file on the RSE system.

⑧ LIST button : Moves to the MP3 LIST screen.

⑨ INFO button : The information (Title/Artist/Album name) of the currently playing file is displayed.
This function is supported only in MP3 files inputted within information.

⑩ Folder name display : Displays the folder of the currently file.

⑪ File name display : Displays the name of the currently playing file.

⑫ Play time display : The play time of the currently playing song is displayed.

PART 6   REAR SEAT ENTERTAINMENT SYSTEM (RSE)

■ Selecting a file with the Remote Controller & Searching a playing file

1. Press the ⌐I◄◄ SEEK / TRACK ►►I⌐ button on the Remote Controller to move to the previous or next file.

2. Pressing the ⌐◄◄ TUNE ►►⌐ button on the Remote Controller will quickly search the previous or next files.

ⓘ INFORMATION

If there are no discs already inserted in the DVD player, pressing the ⌐DISC⌐ key on the remote controller will not begin mode operation.
The RANDOM, REPEAT and SCAN functions are not supported.

■ MP3 LIST menu screen configuration

① Mode display : Display the current LIST screen.

② Folder name display : Displays the folder of the current file.

③ File name display : Displays the name of the current file.

④ Play time display : Displays the play time of the current song.

⑤ LIST UP button : Displays the previous LIST.

⑥ LIST DOWN button : Displays the next LIST.

⑦ LIST page display : The number of MP3 lists [Current Page/ Total Pages) is displayed.

⑧ Scroll bar display : The location of the folder within the current list is displayed.

⑨ LIST folder display : The folder name which shows what folder the current list is in will be displayed.

⑩ LIST : The folders and files in the current folder are displayed.

⑪ Selected LIST display : The currently selected LIST is displayed.

⑫ HOME button : When having moved to a list which does not display the currently playing file, pressing this button will return to the LIST screen of the currently playing file. (This button is inactive when the displayed LIST includes the currently playing file.)

⑬ PARENT folder button : Moves to the Parent Folder.

⑭ ROOT folder button : Moves to the Root Folder.

⑮ CLOSE button : The MP3 mode menu screen will become displayed.

ℹ INFORMATION

The detail information will only be displayed when such information has been recorded in the ID3 tag of the MP3 file.
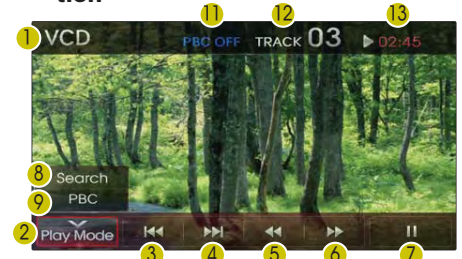
VCD

■ Starting VCD mode

① Press the MODE key on the Roof Mount Monitor or the DISC key on the Rear remote controller to change to DVD Player mode.

② If a VCD is inserted in the DVD player, the VCD mode screen will be displayed.

■ VCD mode menu screen configuration

1 Mode display : This displays that the current mode is VCD mode.

2 PLAY MODE button : Displays the menu of the mode currently being played. Press again to close the menu.

3 TRACK DOWN button : The start of the current or previous track will begin playing.

PART 6 REAR SEAT ENTERTAINMENT SYSTEM (RSE)

4 TRACK UP button : The start of the next track will begin playing.

5 FAST FORWARD button : The track is fast forwarded.

6 FAST REWIND button : The track is rewinded.

7 PLAY/PAUSE button : Plays/pauses the track.

8 SEARCH button : The desired track can be inputted for play.

9 PBC(Play Back Control) button : As a function supported only with Video CD version 2.0 discs, the PBC function can be turned ON or OFF.

10 MENU button : The interactive menu encoded on the VCD is displayed. This menu is displayed only when the PBC is set to ON in a Video CD version 2.0 DISC.

11 PBC setting display : The PBC ON or PBC OFF is displayed in accordance to PBC setting.

12 TRACK number display : The current track number is displayed.

13 Play time display : The play time of the current VCD is displayed.

■ Selecting a track with the Remote Controller & Searching playing track

1. Press the I◄◄ SEEK / TRACK ►►I button on the Remote Controller to move to the previous or next track.

2. Pressing the ◄◄ TUNE ►► button on the Remote Controller will quickly search the current track.

■ Using the PBC function
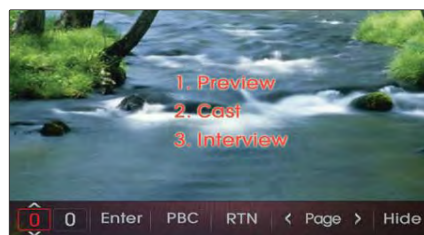
① Press the AV MENU button on the Remote Controller in the VCD video screen to display the VCD menus.

② Press the Play Mode button to display the sub menus and press the PBC button to enter the PBC menu screen. (When in PBC ON state, press the MENU button to enter the PBC screen.)

③ Move the focus to the number input area and input the desired number by operating the top-down direction keys.

④ Press the Enter button to operate the selected menu.

What is the PBC(Play Back Control)
●*function?*

This function allows the various information stored on the Video CD to be viewed by using the interactive menu encoded on a MPEG1 version 2.0 Video
● CD discs.

The PBC function is supported only in
● Video CD version 2.0 discs.

The PBC function may operate differently in accordance to the manufacturing conditions on the Video CD version 2.0 disc.

ⓘ **INFORMATION**

Selecting < Page > will display the set menus of the previous or next page.

ⓘ **INFORMATION**

The PBC will return to OFF state if a different DISC is inserted, the power or ignition is turned ON/OFF while in PBC ON state.

DVD

■ Starting DVD mode

① Press the MODE key on the Roof Mount Monitor or the DISC key on the Rear remote controller to change to DVD Player mode.

② If a DVD is inserted in the DVD player, the DVD mode screen will be displayed.
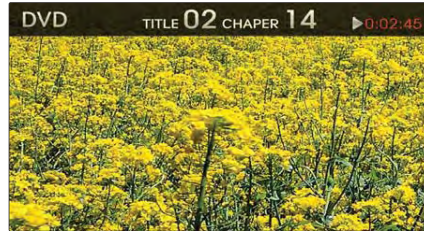
■ Contents of DVD Title

The video and sound recorded on the DVD are divided into titles and can be recognized by their title numbers. Each title is sub-divided into smaller units called chapters and each chapter can be recognized by the chapter number. The title number and chapter number of the current DVD title is displayed on the upper side of the DVD operation menu screen.

■ DVD region code

The DVD player and DVD discs are set with region codes and can be played in accordance to the sales region. If a disc besides "Region Code 1(United States, American region, Canada)" or "All-region disc" is inserted, then a "Region Code Error" screen will be displayed and disc play will not be supported.


PART 6   REAR SEAT ENTERTAINMENT SYSTEM (RSE)

■ DVD mode menu screen configuration
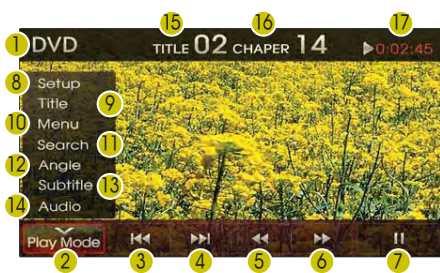
① Mode display : This displays that the current mode is DVD mode of the DVD Player.

② PLAY MODE button : Displays the menu of the mode currently being played. Press again to close the menu.

③ CHAPTER DOWN button : Moves to the previous chapter.

④ CHAPTER UP button : Moves to the next chapter.

⑤ FAST REWIND button : The current title can be rewinded. Continue to press the button until the desired chapter has been reached.

⑥ FAST FORWIND button : The current title can be forwinded. Continue to press the button until the desired chapter has been reached.

⑦ PLAY/PAUSE button : Pauses or replays the DVD.

⑧ DVD setting button : Restores the initial DVD setup screen.

⑨ TITLE button : For some types of DVD titles, there could be several initial menu setup screens. This is used to return to the root setup menu screen.

⑩ MENU button : This is used to return to the initial menu setup screen while a DVD title is playing.

⑪ SEARCH button : The desired title/chapter can be directly selected by searching the chapters/titles.
Searches are not supported when the initial logo video/menu is being displayed. Searches are possible only when the video is playing.

⑫ ANGLE button : The angle can be set for DVD titles encoded with the Multi-Angle function.

⑬ SUBTITLE button : The subtitle can be set for DVD titles supporting Multi-Subtitle function.

⑭ AUDIO button : The voice language can be set for DVD titles supporting Multi-Language function.

⑮ TITLE number display : The current title number is displayed.

⑯ CHAPTER number display : The current chapter number is displayed.

⑰ Play time display : The play time of the current title is displayed.

■ **DVD mode setting**

If the DVD Setup button in the DVD mode menu screen is pressed, the setup screen as shown below will become displayed.
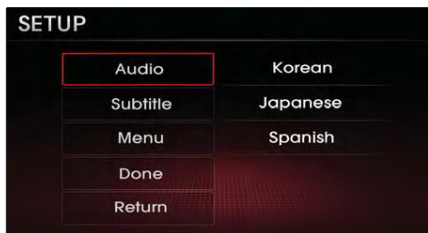
ℹ️ *INFORMATION*

The DVD setup screen is used not to change the settings of the current DVD title but to define the settings of the DVD PLAYER. In order to apply the modified valued, restart the current DVD from the beginning.

The set values will not be applied in the case of playing a DISC which does not support the currently set language or the current settings.

■ **Setting voice language**

① Press the Audio button in the DVD setup screen.

② Select the desired voice language.
If the Others button is pressed, languages other than the ones displayed can be directly inputted for selection.

③ If the Others button is selected, the voice language code input screen will be displayed. Input the desired code.

④ If a proper code is inputted, the DVD setup screen will be returned and display the set voice language.

⑤ Press the Done button to complete the changes and replay from the beginning.

■ **Setting subtitle language**

① Press the Subtitle language button in the DVD setup screen.

② Select the desired subtitle language. Press the Others button to set a different subtitle. Press the Subtitle OFF button to turn off the subtitle display.

③ The method of inputting subtitle language code is the same as the method of inputting voice language code.

■ **Setting menu language**

① Press the Menu button in the DVD setup screen.

② Select the desired menu language. Press the Others button to display a different menu language.

③ The method of inputting the menu language code is the same as the method of inputting voice language code.

ℹ️ *INFORMATION*

Please refer to the Language Code page at the back of the user manual.

The set values will not be applied in the case of playing a DISC which does not support the currently set language or the current settings.

PART 6   REAR SEAT ENTERTAINMENT SYSTEM (RSE)

■ **Searching title/chapter**
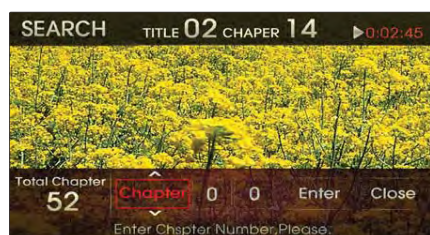
① Press the AV MENU button on the Remote Controller in the DVD video screen to display the DVD menus.

② Press the Play Mode button to display the sub menus and press the Search button to enter the SEARCH menu screen.

③ Move the focus to the title/chapter number input area and input the desired title or chapter number by operating the top-down direction keys.

④ Press the Enter button to operate the selected menu.

■ **Using the Interactive Menu**

① Upon first playing a DVD title, a menu screen will become displayed after the initialization video.
While the DVD is playing, press the AV MENU on the Roof Mount Monitor or AV MENU the Remote controller to display a semi-transparent menu screen. Select the Play Mode button on the menu screen to display the sub menus and press the Menu button. (Press the MENU key positioned at the bottom of the remote controller to directly enter the menu screen.)

② Select the desired menu by using the 4-direction keys on the Roof Mount Monitor or the Remote Controller and press ENTER.

ℹ️ *INFORMATION*

The menu will operate only in supported DVD titles.

AUX (auxiliary device input)

ℹ INFORMATION

The RSE AUX mode will operate only when an auxiliary AUDIO & VIDEO player (camcorder, vehicle VCR, etc.) is connected and operating.

■ **Starting AUX mode**

① Press the `MODE` key on the Roof Mount Monitor or the `AUX` key on the Rear remote controller to change to AUX mode.
② The AUDIO AUX or VIDEO AUX screen will be displayed according to the audio/video signal.
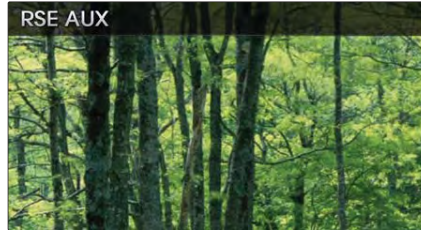
ℹ INFORMATION

If the device connector jack is disconnected while operating AUX mode, a "No Media" message will be displayed for 30 seconds and automatically return to the previous screen.

⚠ CAUTION!

1. Having the auxiliary cable connected even when there is no auxiliary device can convert the device into AUX mode and cause noise.
   Please make sure to remove the auxiliary cable when an auxiliary device is not being used.
2. Connecting an auxiliary device to the cigarette jack and playing through the screen of the device may cause an occurrence of noise.
   If such noise occurs, remove the power cable from the cigarette jack.

PART 6   REAR SEAT ENTERTAINMENT SYSTEM (RSE)

■ **Connecting an external VIDEO player**

① An auxiliary AUDIO & VIDEO player (camcorder, vehicle VCR, etc.) can be connected for viewing.
② The AUX jack is positioned next to the POWER OUTLET on the backside of the consol box located in between the driver and passenger seat.

ℹ INFORMATION

1. Among the auxiliary VIDEO connector jacks, the yellow is for video, red is for right-side audio, and white is for left-side audio.

2. This device supports the NTSC color system. Other systems beside NTSC will not be supported.

3. The recommended audio input standard for this device is max 1Vrms. Input which exceeds this value may cause deteriorated sound quality.

MEMO

MEMO

APPENDIX

PART 7   **APPENDIX**

Troubleshooting guide

Before thinking the product has malfunctioned

① Errors which occur during the operation or installation of the device may be mistaken as a malfunction of the actual device.

② If you are having problems with the device, try the suggestions listed below.

③ If the problems persist, contact your point of purchase or the nearest service center.

Problem	Function
There are small red, blue, or green dots on the screen	Because the LCD is manufactured with technology requiring high point density, a pixel deficiency or lighting may occur within 0.01% of total pixels.
The sound or image is not working	• Has the Switch for the vehicle been turned to [ACC] or [ON]? • Has the SYSTEM been turned OFF?
The video is being displayed but sound is not working	• Has the volume been set to a low level? • Has the volume been set on mute?
When the power is turned on, the corners of the screen are dark	• The display looking somewhat darker after prolonged periods of use is a normal phenomenon with LCD panels. It is not a malfunction. • If the screen is very dark, contact your point of purchase or the nearest service center.
Sound is working from only one speaker	• Is the position of FAL/BAL sound controls or volume adjusted to only one side?
Sound and video does not work in AUX mode	Is the audio and video connector jacks fully inserted into the AUX terminal?
The external device is not working	Is the external device connected with a standard connector cable?
The road is missing	Some map data may be missing or incorrect.
The road name is spoken incorrectly	The TTS(Text To Speech) engine speaks the street name based off of the phonetic spelling. This will continuously be update with the map database.

Troubleshooting

Problem	Possible Cause	Solution
The power does not turn on.	The fuse is disconnected.	Replace with a suitable fuse. If the fuse is disconnected again, please contact your point of purchase or service center.
	Device is not properly connected.	Check to see that the device has been properly connected.
XM only goes through one category	The XM mode is in category.	Press the mode button to change to channel mode.
The DVD does not play.	The DISC has not been inserted or has been inserted upside down.	Insert the disc properly so that the sides are facing the correct direction.
	The DISC has been contaminated.	Wipe clean dirt and other foreign substances from the DISC.
	The vehicle battery is low.	Charge the battery. If the problem persists, please contact your point of purchase or service center.
	A disc which is not supported by the device has been inserted.	Insert a disc which is supported for play by the device.
	A disc which as a region code not supported by the device has been inserted.	The region code for the device is code "1". Use a DVD which has the region code of "1" or "ALL".
	The DVD cannot be played because the parental guidance level is operating.	Check the parental guidance level in the initial setup screen.
The image color or tone quality is low.	The brightness, saturation, hue, and contrast levels are not properly set.	Adjust the brightness, saturation, hue, and contrast levels through the display setting.
The video does not work.	• The brightness level has been set to the lowest level. • The device is not properly connected.	Adjust the brightness to a higher level. Check to see that the device has been properly connected.

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Problem	Possible Cause	Solution
The sound does not work.	• The volume level is set the lowest level. • The connector is not properly connected. • The device is currently fast-forwarding, rewinding, scanning, or playing in slow mode.	• Adjust the volume level. • Check the connection state. • The sound will not work when the device is fast-forwarding, rewinding, scanning, or playing in slow mode.
The sound or video quality is low.	• The DISC is dirty or scratched. • Vibration is occurring from the position in which the conversion switch has been installed. • The color and tone quality of the image is low.	• Wipe off water or dirt from the DISC. Do not use a disc which has been scratched. • The sound may be short-circuited and the image distorted if the device begins to vibrate. The device will return to normal operation once the vibration has stopped. • Aging of the video display and deterioration in performance may cause certain quality degradations.
Subtitles do not work.	• Subtitles are not included in the current playing DVD. • The subtitle language has been set to "OFF".	• The subtitles cannot be played. • Set the subtitle language on the desired language.
Subtitles do not turn off.	• The DVD currently being played has disabled the hide subtitle function.	• The subtitle cannot be turned off.
The sound or subtitle language does not change.	• Only one language is included in the current playing DVD. • The current playing DVD only supports one language.	• The language cannot be changed if the DISC does not support multi-languages. • The language cannot be changed.
The selected sound or subtitle language cannot be used.	• A language which is not supported by the current playing DVD has been selected.	• A language not supported by the DVD cannot be played.

Problem	Possible Cause	Solution
The aspect ratio selected in the initial setting phase cannot be used.	An aspect ratio which is not supported by the current playing DVD has been selected.	An aspect ratio not supported by the DVD cannot be played.
The angle cannot be adjusted.	• The current playing DVD only supports one angle setting or only some of the DVD scenes support multi-angles. • The current playing DVD only supports one angle.	• The angle cannot be changed if the DISC does not support multi-angles or when playing a scene with only one angle. • The angle cannot be changed.
The USB does not work.	• USB memory is damaged. • USB memory has been contaminated. • A separately purchased USB HUB is being used. • A USB extension cable is being used. • A USB which is not a Metal Cover Type USB Memory is being used. • A HDD type, CF, SD Memory is being used. • There are no music files which can be played.	• Please use after formatting the USB into FAT 12/16/32 format. • Remove any foreign substances on the contact surface of the USB memory and multimedia terminal. • Directly connect the USB memory with the multimedia terminal on the vehicle. • Directly connect the USB memory with the multimedia terminal on the vehicle. • Use a standard USB Memory. • Use a standard USB Memory. • Only MP3,WMA file formats are supported. Please use only the supported music file formats.
The iPod is not recognized even though it has been connected.	• There are no titles which can be played. • The iPod firmware version has not been properly updated. • The iPod device does not recognize downloads.	• Use iTunes to download and save MP3 files into the iPod. • Use iTunes to update the firmware version and reconnect the iPod with the device. • Reset the iPod and reconnect with the device.

PART 7 **APPENDIX**

DVD region code and language Code

Region code

Region Code	Countries
0	No Region Coding
1	United States of America, Canada
2	Europe, including France, Greece, Turkey, Egypt, Arabia, Japan and South Africa
3	Korea, Thailand, Vietnam, Borneo and Indonesia
4	Australia and New Zealand, Mexico, the Caribbean, and South America
5	India, Africa, Russia and former USSR countries
6	Peoples Republic of China
7	Unused
8	Airlines/Cruise Ships
9	Expansion (often used as region free)

Language code

Code	Country	Code	Country	Code	Country	Code	Country	Code	Country	Code	Country
0101	Afar	0315	Corsican	0625	Frisian	0923	Hebrew	1222	Latvian	1518	Oriya
0102	Abkhazian	0319	Czech	0701	Irish	1009	Yiddish	1307	Malagasy	1601	Punjabi
0106	Afrikaans	0325	Welsh	0704	Scots	1001	Japanese	1309	Maori	1612	Polish
0113	Amharic	0401	Danish	0712	Gallegan	1022	Javanese	1311	Macedonian	1619	Pushto
0118	Arabic	0405	German	0714	Guarani	1101	Georgian	1312	Malayalam	1620	Portuguese
0119	Assamese	0426	Bhutani	0721	Gujarati	1111	Kazakh	1314	Mongolian	1721	Quechua
0125	Aymara	0512	Greek	0801	Hausa	1112	Greenlandic	1315	Moldavian	1813	Romance
0126	Azerbaijani	0514	English	0809	Hindi	1113	Cambodian	1318	Marathi	1814	Kirundi
0201	Bashkir	0515	Esperanto	0818	Croatian	1114	Kannada	1319	Malay	1815	Romanian
0205	Belarusian	0519	Spanish	0821	Hungarian	1115	Korean	1320	Maltese	1821	Russian
0207	Bulgarian	0520	Estonian	0825	Armenian	1119	Kashmiri	1325	Burmese	1823	Kinyarwan
0208	Bihari	0521	Basque	0901	Interlingua	1121	Kurdish	1401	Nauru	1901	da Sanskrit
0209	Bislama	0601	Persian	0905	Interlingue	1125	Kirghiz	1405	Nepali	1904	Sindhi
0214	Bengali	0609	Finnish	0911	Inupiak	1201	Latin	1412	Dutch	1907	Sangho
0215	Tibetan	0610	Fijian	0914	Indonesian	1214	Lingala	1415	Norwegian	1908	Croation
0218	Breton	0615	Faroese	0919	Icelandic	1215	Laotian	1503	Occitan	1909	Sinhalese
0301	Catalan	061	French	0920	Italian	1220	Lithuanian	1513	Oromo	1911	Slovak

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Language code

Code	Country	Code	Country
1912	Slovenian	2012	Tagalog
1913	Samoan	2014	Tswana
1914	Shona	2015	Tonga
1915	Somal	2018	Turkish
1917	Albanian	2019	Tsonga
1918	Serbian	2020	Tatar
1919	Swati	2023	Twi
1920	Sesotho	2111	Ukrainian
1921	Sundanese	2118	Urdu
1922	Swedish	2126	Uzbek
1923	Swahili	2209	Vietnamese
2001	Tamil	2215	Volapuk
2005	Telugu	2315	Wolo
2007	Tajik	2408	Xhosa
2008	Thai	2515	Yoruba
2009	Tigrinya	2608	Chinese
2011	Turkmen	2621	Zulu

Map legend

Road color

Day Road Type	Color
Freeway	(red)
Arterial	(purple)
County	(purple)
Collector	(purple)
Local	(olive)
Unpaved local	(olive)
Ferry	(blue)

Night Road Type	Color
Freeway	(dark red)
Arterial	(gray-blue)
County	(gray-blue)
Collector	(gray-blue)
Local	(olive)
Unpaved local	(olive)
Ferry	(blue)

POI icons

No	Category	Sub Category	Icon
1		Representation	
2		Fast Food	
3		American	
4		French	
5		Italian	
6		Continental	
7		Mexican	
8	Restaurants	Japanese	
9		Chinese	
10		Korean	
11		Vegetarian Food	
12		Seafood	
13		Latin American	
14		Asian	
15		African	

POI icons

No	Category	Sub Category	Icon
16	Restaurants	Coffee Shop	
17		Others	
18	Automotive	Representation	
19		Gas Station	
20		Parking	
21		Auto service	
22		Road Assistance	
23		Hyundai Dealership	
24		Kia Dealership	
25		Automobile Dealership	
26		Auto Parts	
27		Rest Area	
28		Car Wash	
29		Motorcycle Dealeship	
30	Travel	Representation	

No	Category	Sub Category	Icon
31	Travel	Airport	
32		Hotel	
33		Tourist Information	
34		Travel Agent	
35		Tourist Attraction	
36		Popular Spot	
37		Rental Car Agency	
38		Campground	
39		Ferry Terminal	
40		Bus Station	
41		Local Transit	
42		Train Station	
43	Shopping	Representation	
44		Department Store	
45		Convenience Store	

No	Category	Sub Category	Icon
46	Shopping	Shopping Center	
47		Music Store	
48		Grocery Store	
49		Bookstore	
50		Electronics	
51		Hardware Store	
52		Gifts	
53		Sporting Goods	
54		Home Specialty Store	
55		Clothing	
56		Shoe Store	
57	Recreation	Representation	
58		Amusement Park	
59		Museum	
60		Cinema	

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POI icons

No	Category	Sub Category	Icon
61	Recreation	Sports Activities	
62		Sports Complex	
63		Golf Course	
64		Winery	
65		Video & Game Rental	
66		Ski Resort	
67		Recreation Area	
68		Other Recreation	
69	Financial Service	Representation	
70		Bank	
71		ATM	
72		Check Cashing Service	
73		Money Transfer	
74		Business Facility	
75	Community	Representation	

No	Category	Sub Category	Icon
76	Community	Police Station	
77		Post Office	
78		Library	
79		Court House	
80		Fire Department	
81		Convention Center	
82		City Hall	
83		Civic Center	
84		School	
85		Government Offices	
86		Waste & Sanitary	
87		Utilities	
88	Service	Representation	
89		Hospital	
90		Dentist	

No	Category	Sub Category	Icon
91	Service	Photography	
92		Tax Service	
93		Medical Service	
94		Attorney	
95		Funeral Director	
96		Hair & Beauty	
97		Cleaning & Laundry	
98		Social Service	
99		Physician	
100		Communication	
101		Tailor & Alteration	
102		Mover	

Landmark icons

No	Category	Sub Category	Icon
1	Service	Airport	✈
2		Park	🌲
3		Golf	🌲
4		University	🏛

RSE Connector Pin Layout

Rear Monitor Connentor Pin Layout
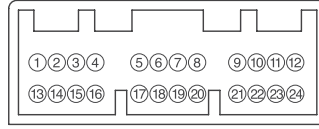
NO	Signal	NO	Signal
1	audio in R+	13	audio in R-
2	audio in L+	14	audio in L-
3	CAN_H	15	CAN_L
4	GND2	16	GND2
5	CVBS + in	17	CVBS GND
6	NC	18	NC
7	NC	19	NC
8	AutoLight	20	audio GND
9	ILL+	21	ILL-
10	ACC	22	Altnate
11	B+	23	GND
12	B+	24	GND

Rear DVD Player Connector Pin Layout
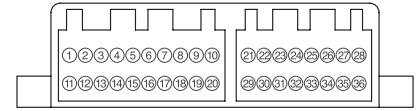
NO	Signal	NO	Signal
1	ATSC _L+	19	GND
2	ATSC_L-	20	Front out CVBS
3	front in L-	21	CVBS GND
4	front out R-	22	GND2
5	front out L-	23	CAN_H
6	Monitor out L-	24	GND
7	Monitor out R+	25	ACC
8	CVBS GND	26	ILL+
9	GND2	27	B+
10	CVBS GND	28	B+
11	front in R+	29	Monitor out CVBS
12	front in R-	30	GND2
13	front in L+	31	CAN_L
14	front out R+	32	ATSC_R+
15	front out L+	33	ATSC_R-
16	Monitor out L+	34	ILL-
17	Monitor out R-	35	GND
18	Front out CVBS	36	GND

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MS

Microsoft® Windows® Automotive Operating System

Important Safety Information

Read and Follow Instructions

Before using your Windows Automotive-based system, read and follow all instructions and safety information provided in this end user manual ("User's Guide"). Not following precautions found in this User's Guide can lead to an accident or other serious consequences.

Keep User's Guide in Vehicle

When kept in the vehicle, the User's Guide will be a ready reference for you and other users unfamiliar with the Windows Automotive-based system. Please make certain that before using the system for the first time, all persons have access to the User's Guide and read its instructions and safety information carefully.

Warning:

Operating certain parts of this system while driving can distract your attention away from the road, and possibly cause an accident or other serious consequences. Do not change system settings or enter data non-verbally (using your hands) while driving. Stop the vehicle in a safe and legal manner before attempting these operations. This is important since while setting up or changing some functions you might be required to distract your attention away from the road and remove your hands from the wheel.

General Operation

Voice Command Control

Functions within the Windows Automotive-based system may be accomplished using only voice commands. Using voice commands while driving allows you to operate the system without removing your hands from the wheel.

MS

Prolonged Views of Screen

Do not access any function requiring a prolonged view of the screen while you are driving. Pull over in a safe and legal manner before attempting to access a function of the system requiring prolonged attention. Even occasional short scans to the screen may be hazardous if your attention has been diverted away from your driving task at a critical time.

Volume Setting

Do not raise the volume excessively. Keep the volume at a level where you can still hear outside traffic and emergency signals while driving. Driving while unable to hear these sounds could cause an accident.

Navigation Features

Any navigation features included in the system are intended to provide turn by turn instructions to get you to a desired destination. Please make certain all persons using this system carefully read and follow instructions and safety information fully.

Distraction Hazard

Any navigation features may require manual (non-verbal) setup. Attempting to perform such set-up or insert data while driving can seriously distract your attention and could cause an accident or other serious consequences. Stop the vehicle in a safe and legal manner before attempting these operations.

Let Your Judgment Prevail

Any navigation features are provided only as an aid. Make your driving decisions based on your observations of local conditions and existing traffic regulations. Any such feature is not a substitute for your personal judgment. Any route suggestions made by this system should never replace any local traffic regulations or your personal judgment or knowledge of safe driving practices.

Route Safety

Do not follow the route suggestions if doing so would result in an unsafe or illegal maneuver, if you would be placed in an unsafe situation, or if you would be directed into an area that you consider unsafe. The driver is ultimately responsible for the safe operation of the vehicle and therefore, must evaluate whether it is safe to follow the suggested directions.

Potential Map Inaccuracy

Maps used by this system may be inaccurate because of changes in roads, traffic controls or driving conditions. Always use good judgment and common sense when following the suggested routes.

Emergency Services

Do not rely on any navigation features included in the system to route you to emergency services. Ask local authorities or an emergency services operator for these locations. Not all emergency services such as police, fire stations, hospitals and clinics are likely to be contained in the map database for such navigation features.

Use of Speech Recognition Functions
Speech recognition software is inherently a statistical process which is subject to errors. It is your responsibility to monitor any speech recognition functions included in the system and address any errors.

MAP AS HOTLINE

M & SOFT AMERICA MAP CENTER
TEL : 888-757-0010
WEBSITE : www.mapnsoft.com

This equipment has been tested and found to comply with the limits for a Class A 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. If this equipment does cause harmful interference to radio or television reception, which can be determined by turning the equipment off and on, the user is encouraged to try to correct the interference by one or more of the following measures:

• Reorient or relocate the receiving antenna.

• Increase the separation between the equipment and receiver.

• Connect the equipment into an outlet on a circuit different from that to which the receiver is connected.

• Consult the dealer or an experienced radio/TV technician for help.

Caution: Any changes or modifications to this device not explicitly approved by manufacturer could void your authority to operate this equipment.

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.

This equipment complies with FCC radiation exposure limits set forth for an uncontrolled environment. This equipment should be installed and operated with minimum 20 cm between the radiator and your body. This transmitter must not be collocated or operating in conjunction with any other antenna or transmitter unless authorized to do so by the FCC.

IC Warning

Operation of this device 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.