PART 2 AUDIO SYSTEM

Selecting an iPod song

There are 3 ways to select songs from the iPod device - (a) selecting song through Up/Down, (b) selecting song through sequential search, (c) selecting song through menu.

(a) Selecting song through Up / Down

Press the ⌄SEEK/TRACK⌃ key on the for less than 0.8 second. The next or previous song will begin playing.

ⓘ INFORMATION

If the ⌄SEEK/TRACK⌃ key on the control panel or steering wheel remote controller is pressed shortly while the track has played for more than 3 seconds, the start of the current song will begin playing. If the track has been playing for less than 2 seconds, the start of the previous song will begin playing.

🗣 Voice Command

1. Press the 🎤 key on the steering wheel remote controller.
2. After the beep sound, say a command. "Next Song"

"Previous Song"

(b) Selecting song through search

1. Press the VTUNE⌃ key to search for desired to display file. Operate the VTUNE⌃ key dial to display the previous or next channel information. After a brief moment, the selected channel will be displayed.

ⓘ INFORMATION

If the operation of the VTUNE⌃ key is too rapid, there may be a delay in displaying the song information.

(c) Selecting song through Menu

1. Press the Menu button. The iPod menu screen will be displayed.

2. Press the button for the desired search method.

ⓘ INFORMATION

If the search mode is accessed while playing a song, the most recent searched step will be displayed. The search steps upon initial connection are listed below.

3. Press the desired song button to return to the main screen and play the selected song.

	1 Step	2 Step	3 Step	4 Step
Playlist	Playlist	Song		
Genre	Genre	Artist	Album	Song
Artist	Artist	Album	Song	
Composer	composer	Album	Song	
Album	Album	Song		
Audiobooks	Song			
Songs	Song			
Podcasts	Program	Episode		

REW/FF iPod song

Press and hold the ⌄SEEK/TRACK⌃ key on the control panel or steering wheel remote controller for over 0.8 second. The song will be play faster while holding the button and return to normal play when the button is released.

Setting Repeat function for iPod song

Press the Repeat button. Each press will change the function in the following order :
Repeat → Repeat Off → Repeat ...
● Repeat : repeats the current playing song.

🗣 Voice Command

1. Press the 🎤 key on the steering wheel remote controller.
2. After the beep sound, say a command. "Repeat Song"
Say "Normal Play" in order to terminate the set Repeat function.

Setting Random function for iPod song

Press the Random button. Each press will change the function in the following order :
Random → Album Random → Random Off → Random ...

● Album Random : plays the songs in the current play list randomly in album units. However, songs within the same album will be played sequentially.
e.g.) Album1(Music1→Music2→Music3→ ...→Music10)→Album5(Music→Music2)→Album4(Music1→Music2→Music3) ...

● Random : plays all files in the current play list (All Songs, certain albums, or user designated iPod Playlists) randomly regardless of album.
e.g.) Music1→Music9→Music5→Music13 ...

🗣 Voice Command

1. Press the 🎤 key on the steering wheel remote controller.
2. After the beep sound, say a command. "Random"
"Random Album"
Say "Normal Play" in order to terminate the set Random.

AUDIO SYSTEM

PART 2 AUDIO SYSTEM

USB MP3

USB MP3 related information and precaution

● Information
· The MP3 file standards supported by the device are as follows.
· Acceptable standard: MPEG1 AUDIO LAYER 3
· Acceptable sampling frequency: 32, 44.1, 48 (kHz)
· Acceptable bit rate : 32, 40, 48, 56, 64, 80, 96, 112, 128, 160, 192, 224, 256, 320 (kbps)
· Recommended bit rate & reference sampling frequency: 96,128, 192 kbps fixed bit rate /44.1kHz
· ID3 tag
This device supports ID3v1.0, ID3v1.1, ID3v2.2, ID3v2.3, and ID3v2.4 ID3 tags.
· Supported media
The MP3 media supported by the device are CD-ROM and USB.

· Supported media formats
This device supports ISO9660 LEVEL1 and LEVEL2. Detailed specification is as below.
· Maximum directory layers: 20 layers
· Maximum length of folder name/file name: 250Bytes
· Supported characters for folder name/ file name: Alphanumeric characters, Korean standard character set 2350 characters, Simplified Chinese 4888 characters
· Maximum number of folders which can be stored onto one USB: 2000 folders (including ROOT directory)
· Maximum number of files which can be stored onto one USB: 6000 files
· Precautions upon formatting USB & downloading MP3 files
· The device only supports FAT type USB file system. The device will not play USB media content if the USB is NTFS type.

● Precaution
Please use an MP3 bit rate which is less than 192Kbps and a fixed bit rate.
The sound quality cannot be guaranteed for MP3s exceeding 192Kbps and operation of specific functions (limited to FF/REW functions) may be abnormal with variable bit rates.

Precautions upon handling USB

● When using the external USB device, make sure to keep the device disconnected. Connect the device only after turning on the vehicle ignition. The USB device may be damaged if the USB device already connected when the ignition is turned on. (USB device is not an electronic automotive component)

● The external USB device may not operate if the USB device already connected when vehicle ignition is turned on or off.

● The device will not operate when playing a format which is not MP3 or WMA file formats.

1. Only MP3 files with compression rates between 8Kbps~320Kbps are supported.
2. Only WMA files with compression rates between 8Kbps~320Kbps are supported.

● Be cautious of static electricity when connecting/disconnecting the external USB device.

● Encoded MP3 Players will not be recognized when connected as the external device.

● When connecting an external USB device, the device may not be properly recognize the USB when the USB is in some states.

● When formatting the external USB device, the device may not be properly recognize a Byte/Sector selection other than 512Byte or 2048Byte.

● The device will only recognize USB devices formatted in FAT 12/16/32.

● Some USB devices may not operate properly because of compatibility issues. Verify that the external device is supported by the device before starting use.

● Avoid contact between the USB connector with bodily parts and foreign substances.

● Repeatedly connecting/disconnecting the USB in a short period of time may cause damage to the device.

● When disconnecting the USB, an abnormal sound may occur occasionally.

● Abruptly disconnecting the external USB device while the USB is operating may cause the device to be damaged or function abnormally.
Make sure to disconnect the USB device only after the audio power is turned off or when the audio is operating in a different mode.

● The amount of time required to recognize the external USB device may differ depending on the type, size, or file formats stored on the USB. Such differences in the required time are not indications of malfunction.
Please wait the period of time required to recognize the device.

● The device supports only USB devices used to play music files.

● Do not use the USB I/F to charge batteries or USB accessories which generate heat. Such acts may lead to deteriorated performance or damage to the device.

● The device may not recognize the USB device if separately purchased USB hubs and extension cables are being used. Connect the USB directly to the multimedia terminal of the vehicle.

● In the case of high capacity USB devices, there are instances where the logical drives are partitioned for user convenience. In this case, only the USB music in the top-level logical drive will be possible to play.
When using partitioned drives, save the songs desired to play on the device only in the top-level logical drive.
In addition, certain USB devices are configured with a separate drive used to install application programs and songs from such drives may not be possible to play for the reasons as described above.

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- The device may not support normal operation if MP3 Players, cellular phones, digital cameras, or other electronic devices (USB devices not recognized as portable disk drives) are connected to the device.
- The device may not support normal operation when using a USB memory type besides the Metal Cover Type USB Memory.
- The device may not support normal operation when using formats such as HDD Type, CF, or SD Memory.
- The device will not support files locked by DRM (Digital Rights Management).
- The device many not support normal operation if the proper connection with the USB memory fails due to vibrations caused by the vehicle. (i-stick type, etc.)
- Please avoid using USB memory products which can be used as key chains or cellular phone accessories as they could cause damage to the USB jack.

Please make certain only to use plug type connector products as shown below.

Plug Type Connector

Connecting the USB

Connect the USB as shown in the picture.

AUX | iPod | USB

Listening to USB music

1. Connect a USB or press the MEDIA key on the control panel if the USB is already connected.
2. Select the desired file. [Selecting the MP3 file], page 2-19.

ⓘ INFORMATION
The USB screen and operation method is the same with MP3 mode. Please refer to the MP3 mode section for more information.

USB IMAGE Mode

Starting USB IMAGE Mode

1. The USB mode will automatically start when the USB is inserted. When in a different mode, repeatedly press the MEDIA key to convert to USB mode. (Each press will change in order of AUX→DISC→USB)

2. The image will be displayed on the screen.

ⓘ INFORMATION
Press the Music button on the bottom left side to enter either mode. (Supported only when compatible files exist within the USB)

USB IMAGE mode menu screen configuration

① USB IMAGE   9:37   OUTSIDE 68 °F
② FOLDER : ROOT FOLDER   ④ 0002/0002
③ FILE : IMAGE1.JPG   ⑤ Timer 5 sec
Music | List | Timer | Save | Hide

① Mode display : display that the current mode is <USB Image> mode.
② Folder name : displays the name of the folder where photo files are located.
③ File name : displays the file name of the current photo.
④ File index : displays the number of Image files within the USB (current file / all files)
⑤ Slide Show Interval : displays intervals of 5, 10, and 20 seconds.
ⓐ ◄ button : displays the previous photo.
ⓑ Slide Show View : displays photos in intervals of 5, 10, and 20 seconds.
ⓒ ► button : displays the next photo.

ⓓ USB music (MP3) Mode Music button : converts to <USB Music> mode.
ⓔ List button : displays the <Image List> screen.
ⓕ Timer button : allows changes to slide show interval.
ⓖ Save button : upon turning off power, saves the current image as the frame screen image.
ⓗ Hide button : hides the button display.

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PART 2 **AUDIO SYSTEM**

Operating USB IMAGE Mode

(a) Moving to next IMAGE

1. Press the screen.

2. Within the Image screen, press the ◀ or ▶ button to flip through each file.

(b) Displaying USB IMAGE Slideshow Interval

1. Repeatedly press the `Timer` button at the bottom to change the slideshow interval (converts in time intervals of 5 seconds → 10 seconds → 20 seconds → 5 seconds).

(c) Registering Frame

1. Press the `Save` button at the bottom of the <Image> screen. The currently displayed image will be registered as the frame.

ⓘ INFORMATION

For details on setting up the frame, refer to the frame setup page within Screen setup. Restrictions while driving – Image Play related buttons cannot be used while the vehicle is in motion.
There are five buttons such as < ▶ / ◀ / `Play Icon` / `Save` / `Hide` .

AUX

Connecting AUX

Connect the external Audio player as shown in the picture.

ⓘ INFORMATION

Connect only by using AUX terminals.

Playing AUX

Connect an AUX or press the `MEDIA` key on the control panel if the AUX is already connected.

🔊 Voice Command

1. Press the key on the steering wheel remote controller.
2. After the beep sound, say a command. "Line In"

AUX screen

Audio AUX screen

AUDIO SYSTEM

PART 3 NAVIGATION SYSTEM

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NAVIGATION SYSTEM

PART 3 NAVIGATION SYSTEM

Limitations of the navigation system

GPS signal reception state

- As the GPS satellite frequency is received / transmitted in straight lines, reception may not work if devices are placed on or near the GPS antenna or when traveling through the following locations.

· Tunnels

· Basement parking structures

· Underneath an overpass

· Roads within forested areas

· Areas near high rise buildings

· Roads within canyons

Vehicle position display

- If multipass errors occur due to reflections from buildings or related causes, the current position mark on the navigation may differ from the actual position of the vehicle.

- The position of the vehicle on the navigation may be different from the actual position if the vehicle is under the following conditions. If such differences occur, driving for a short period of time will automatically correct the position of the vehicle through map matching or GPS information (several minutes may be necessary in certain cases).

- When driving on a Y-shaped road with a narrow angle, the current position may be displayed in the opposite direction.
- If the vehicle is loaded onto a ferry or a car transport vehicle, the current position mark may be stalled on the last position prior to loading.

- When driving on a spiral-shaped road.
- When driving in mountain regions with sharp turns or sudden brakes.
- When entering a road after having been in an underground parking structure, building parking structure, or turntable with many rotations.
- When the tires have recently been replaced (Especially upon use of spare or studless tires)
- If the battery terminal is removed.
- When driving in city streets, the current position may be displayed on the opposite side or on an off-road position.
- When changing the zoom level from the maximum zoom in level to a different zoom level, the current position mark may be displayed on a different road.
- When driving in heavy traffic with frequent go·stops in traffic or intersections.
- When driving under slippery conditions, such as heavy sand, snow, etc.
- When driving with the tire chain in place.

- When using a tire with an incorrect size specification.
- When the tire pressure for the 4 tires are different.
- When the replacement tire is a worn or used tire (Especially studless tires having passed a 2nd seasons, etc.)
- When driving near high-rise buildings
- If a roof carrier has been installed
- When driving under high speeds or having calculated a long-distance route.

NAVIGATION SYSTEM

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Route Guidance

- Suitable route guidance may not occur caused by search conditions or the driving position.
- Guidance to go straight may be given while driving on a straight road.
- Guidance may not be given even when having turned at an intersection.
- There are certain intersections in which guidance may not occur.
- A route guidance signaling for a U-Turn in a No U-Turn location may occur.
- A route guidance signaling entrance into a no enter zone may occur (No enter zone, road under construction, etc.).
- Guidance may be given to a position removed from the actual destination if roads to reach the actual destination do not exist or are too narrow.

- Faulty voice guidance may be given if the vehicle breaks from the designated route (ex: if a turn is made at an intersection while the navigation provided guidance to go straight).
- Map Data may be missing or incorrect causing route guidance to not be given.

Route Re-calculation

- The following phenomena may occur after conducting route recalculation.
- Guidance may be given to a position differing from the current position when turning at an intersection.
- Route Recalculation may take a longer period of time when driving under high speeds.
- A route guidance signaling for a U-Turn in a No U-Turn location may occur.
- A route guidance signaling entrance into a no enter zone may occur (No enter zone, road under construction, etc).
- Guidance may be given to a position removed from the actual destination if roads to reach the actual destination do not exist or are too narrow.
- Faulty voice guidance may be given if the vehicle breaks from the designated route (ex: if a turn is made at an intersection while the navigation provided guidance to go straight)

Starting navigation system

⚠ Caution

Drive safely and obey traffic rules.
Watching this screen while vehicle is in motion can lead to a serious accident.
Notification
Some map data may be incorrect.
Read safety instructions in Navigation Manual.

English   Français   Español   Agree

Press the Navigation mode key (MAP VOICE), DEST , ROUTE , SETUP). The Caution screen will always be displayed when first entering into Navigation mode. Read the contents of the caution screen carefully and press the Agree button.

Map Functions

Current position map screen (without route)

Press the MAP VOICE key on the control panel to display the map of current position and the neighboring area.

1. GPS signal state indicator : displays the state of GPS signal reception.
   🔍 [Viewing GPS signal state], page 3-7.
2. Map scale level indicator : displays the current map scale.
   🔍 [Changing the map scale], page 3-8.
3. Landmark icons : landmark icons are displayed on the map when the map scale level is set to under 300 ft (100m depending on map data)
   🔍 [Appendix : landmark icons], page 7-7.
4. POI icons : POI icons are displayed on the map when the map scale level is set to under 0.5 mi (800m).
   🔍 [Appendix : POI icons], page 7-5.
5. Current vehicle position icon : displays the current position of the vehicle.

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ⓐ North Up / Heading Up switch : displays the current map mode and the map mode can be switched between North Up and Heading Up.
🔍 [Switching map mode], page 3-6.

ⓑ POI : displays or hides the POI icon on the map.
🔍 [Displaying/Hiding POI icons on the map], page 3-9.

ⓒ Map scale : increases or decreases the map scale.
🔍 [Changing the map scale], page 3-8.

Switching map mode (North Up / Heading Up)

Each time the compass button is pressed, the screen will switch in the order shown below.
Heading Up → North Up → Heading Up ...

ⓘ **INFORMATION**

All map screens (map screen after setting destination & whole route display screen) except the current position screen will always be displayed in North Up mode.
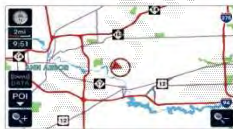
● North Up : displays the map always facing the North direction regardless of the direction which the vehicle is traveling.

The vehicle icon is displayed in the center position of the map.

● Heading Up : displays the map always facing the direction which the vehicle is traveling. The vehicle icon is displayed in the lower center position of the map.

🎤 Voice Command

1. Press the 🔲 key on the steering wheel remote controller.
2. After the beep sound, say a command.
"North Up"
"Heading Up"

Viewing GPS signal state

The state of GPS signal reception is displayed as shown below.

● 🛰 (active) :
GPS reception is satisfactory.
● 🛰 (inactive) :
GPS reception is unsatisfactory.
🔍 [System information and update], page 3-51.

ⓘ **INFORMATION**

● GPS (Global Position System) : GPS is a system developed and operated by the United States which determines the current location of the user (longitude, latitude, etc.) by generally using 4 or more satellites. This system is used with related GPS information, various sensors, road map data, and other navigation related information.

● GPS information may not operate under thefollowing conditions.
• When buildings, tunnels, or other obstructions block satellite signals.
• When materials are placed above the GPS antenna and block satellite signals.
• When the satellite does not transmit signals (signal transmission is controlled by the satellite control center in the United States and may not transmit when under repair, modification, etc).
• When a digital cellular phone (1.5GHz) is placed near the GPS antenna.

● This system uses GPS information, various sensors, road map data, and other related information to display the current position. Errors may occur if the satellite is transmitting inaccurate signals or only two or less satellite signals can be received.
Errors which occur in such conditions cannot be corrected.

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Changing the map scale

Press the 🔍+ or 🔍- button. The map scale will be increased or decreased by one level.

ⓘ INFORMATION

Each time the 🔍+ or 🔍- button is pressed, the scale bar will be displayed.

The scale can be changed by directly pressing the scale level on the scale bar.

The green color on the scale bar indicates the current scale level while the orange color indicates the selected scale level.

- Press the 🔍+ or 🔍- button for over 0.8 second. The scale will continuously change.
- If the scale range limit is reached, the 🔍+ or 🔍- button will be disabled.
- The map scale range is between 1 and 14: 10,240,000 ~ 1 : 5,000.

Level	Actual distance	
	mi / ft	km / m
1	150 ft	50 m
2	300 ft	100 m
3	700 ft	200 m
4	0.25 mi	400 m
5	0.5 mi	800 m
6	1 mi	1.6 km
7	2 mi	3.2 km
8	4 mi	6.4 km
9	8 mi	12 km
10	16 mi	25 km
11	32 mi	50 km
12	64 mi	100 km
13	130 mi	200 km
14	250 mi	400 km

🔊 Voice Command

1. Press the 🎙 key on the steering wheel remote controller.
2. After the beep sound, say a command.
   "Zoom In"
   "Zoom Out"
   "Zoom Maximum"
   "Zoom Minimum"
   "Zoom level <1 to 14>"
   "Zoom <actual distance>"
   " (ex. Zoom 700ft)"

Displaying / Hiding POI icons on the map

Displaying/Hiding Q.POI icons

1. Press the POI▼ button.
   Related menu buttons will be displayed at the bottom of the screen.

ⓘ INFORMATION

The Q.POI icons are set to 🔲 - Gas Station, 🅿 - Parking, 🛏 - Hotel, ⛳ - Golf Course, 💰 - Bank, 🍔 - Fast Food (6 icons) by default. This setting can be changed in SETUP.
🔍 [Setting Q.POI icons], page 3-42.

2. Press the icon buttons to display or hide. To turn off all POI icons displayed on the map, press the ALL OFF button.

ⓘ INFORMATION

- The current displayed POI icons are highlighted while the icons not being displayed are shown as normal buttons.
- If there are no POI icons being displayed, the ALL OFF button will be disabled.
- POI icons are displayed when the scale is under 0.5 mi (800m).

Displaying / Hiding icons other than Q.POI icons

1. Press the POI▼ button.
   Related menu buttons will be displayed at the bottom of the screen.

2. Press the Others button.

ⓘ INFORMATION

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

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(a) by category list

3. Press the desired main category button.

4. Select the desired sub category menu to display or hide (Multiple selections are possible).

   Press the selected menu again to cancel the selection.

5. If the [Show Icon(s)] button is pressed, the selected menus will be displayed or hidden on the map screen.

Voice Command

1. Press the [ ] key on the steering wheel remote controller.
2. After the beep sound, say a command.
   "Show <POI name>" (ex. Show ATM)
   "Hide <POI name>" (ex. Hide ATM)
   "Hide All"

Making a call to POI

After searching a POI, the POI phone number information can be used to make a call to the POI facility.

1. Use the various search methods, such as the map scroll function, Q.POI search function, and destination search function to search for a POI.

2. Press the [ ] button.

3. Bluetooth is used to make a call to the POI facility.
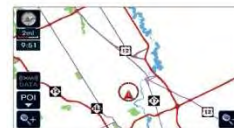
4. Once the call is ended, the map is restored to the current vehicle location.

ⓘ INFORMATION

- Making a call is not possible if there is no telephone information for a POI or if there is no mobile phone connected through Bluetooth.
- For more information of mobile phone authentication through Bluetooth or detailed information on conducting search, refer to [Pairing and connecting a Bluetooth phone], page 5-4.

Scrolling map

Press the map area on the map screen. The selected point will be centered on the screen and the scroll mark will be displayed. Information about the marked point and straight line distance from the current position will be displayed at the top of the screen.

ⓘ INFORMATION

If a map area on the map screen is pressed, the map will continuously scroll in the corresponding direction until the pressing is released.

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Setting a destination

Destination menu screen and functions

Press the DEST key on the control panel to display the destination menu screen.

a Address : sets the destination through address search.
🔍 [Searching an Address], page 3-13.

b Previous Dest : sets the destination through the previous destination list.
🔍 [Searching a Previous Destination], page 3-17 .

c Intersection : sets the destination through intersection search.
🔍 [Searching an Intersection], page 3-17.

d POI Search : sets the destination through POI Category search.
🔍 [Searching a POI], page 3-20 .

e Address Book : sets the destination through address book search.
🔍 [Searching from Address book], page 3-24 .

f Emergency : sets the destination through emergency facilities search.
🔍 [Searching for Emergency facilities], page 3-25 .

g HOME : sets the stored HOME as the destination.
🔍 [Searching your Home], page 3-25 .

h Favorite place 1 ~ 5 : sets the destination with one of the stored favorite places.
🔍 [Searching favorite places], page 3-26 .

Searching a Destination

Searching an Address

There are 2 ways to set the destination through address search-(a) by street, (b) by city.

1. Press the DEST key.

2. Press the Address button.

3. Press the State button to change the state.

4. Input the State name and press the List button.
If the number of matches with the input is less than 4 results, then the state list screen will be displayed automatically.
If the number of matches is only one result, then the state will automatically be changed without having to manually select the state.
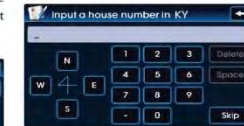

5. Select the desired state from the list to change the state.

(a) by street

6. Press the Street button.

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7. Input the House number and Press the [Done] button to complete.
If the House number is not recognized, press the [Skip] button.
In this case, the range of house numbers will be displayed during the last step.

8. Input the Street name and press the [List] button.
If the number of matches with the input is less than 4 results, then the street list screen will be displayed automatically.

9. If the desired street from the list is selected, the corresponding position will be displayed on the map.

ⓘ INFORMATION

If more than 30 cities exist with the selected street, then the city input screen will be displayed. If less than 30 cities exist, then the city selection screen will be displayed.

10. Input the city name and press the [List] button to complete. If the number of matches with the input is less than 4 results, then the list screen will be displayed automatically.

11. Select the desired city from the list.

12. This screen will be displayed if the House number had not been inputted during step 6 and more than 2 house numbers ranges exist.
Select the desired House number range.

13. This screen will be displayed if the House number had not been inputted and only one house numbers range exists.

Input the House number and press the [Done] button to complete.
The corresponding position will be displayed on the map.

(b) by city

5. Press the [City] button.

6. Input the city name and press and press the [List] button.
If the number of matches with the input is less than 4 results, then the city list screen will be displayed automatically.
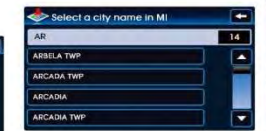

7. Select the desired city from the list.

NAVIGATION SYSTEM

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8. Input the house number and press the Done button to complete.

If the House number is not recognized, press the Skip button.

In this case, the range of house numbers will be displayed during the last step.

Input a street name in ARCADIA

9. Input the Street name and press the List button to complete.

If the number of matches with the input is less than 4 results, then the street list screen will be displayed automatically.

Select a street in ARCADIA

| MA | 4 |

MANKE RD
MARINERS LN
MATZINGER
MAXEY RD

10. Select the desired street from the list and the corresponding position will be displayed on the map.

Select a house number

3401-3499
3801-3899
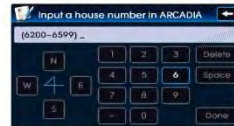
11. This screen will be displayed if the House number had not been inputted during step 8 and more than 2 House number ranges exist.

Select the desired House number range.

Input a house number in ARCADIA

(6200~6599) _

12. This screen will be displayed if the House number had not been inputted during step H and only one House number range exists.

Select the house number range and Press the Done button to complete.

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 address"
   🔍 [Find address], page 5-19.

Searching a Previous Destination

1. Press the DEST key.
2. Press the Previous Dest button.

Select a previous destination

7070 GEDDES RD, YPSILANTI, MI
MIDLAND MALL
HAWTHORN SUITES-ANN ARBOR
30 AVALON ST, HIGHLAND PARK, MI

Sort by Alphabet Date

3. Select the desired previous destination. 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.
   "Previous destination"
   🔍 [Previous destination], page 5-24.
   "Previous start point"
   🔍 [Previous start point], page 5-25.

Searching an Intersection

There are two ways to set the destination through intersection search-(a) by street, (b) by city.

1. Press the DEST key.
2. Press the Intersection button.

Search an intersection by

Street	City
In	Michigan
	State

3. Press the State button to change the state.

Input State name

| _ | 63 |

4. Input the state name and press the List button. If the number of matches with the input is less than 4 results, then the state list screen will be displayed automatically.
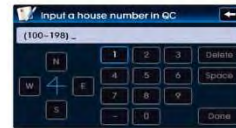
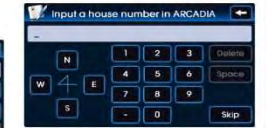If the number of matches is only one result, then the state will automatically be changed without having to manually select the state.

Select a state

Alabama
Alaska
Alberta
Arizona
Arkansas

5. Select the desired state from the list to change the state.

PART 3 NAVIGATION SYSTEM

(a) by street

6. Press the **Street** button.

7. Input the name of the 1st street and press the **List** button.
   If the number of matches with the input is less than 4 results, then the street list screen will be displayed automatically.

8. Select the desired 1st street from the list.

9. Input the name of the 2nd street and press the **List** button.
   If the number of matches with the input is less than 4 results, then the street list screen will be displayed automatically.

10. Select the desired 2nd street menu from the list. The corresponding position will be displayed on the map.
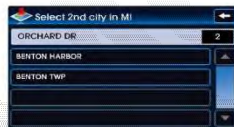
11. If the selected 2nd street is within more than 2 cities, then the city list screen will be displayed.
    Select the desired city menu from the list. The corresponding position will be displayed on the map.

(b) by city

6. Press the **City** button.

7. Input the city name and press the **List** button.
   If the number of matches with the input is less than 4 results, then the city list screen will be displayed automatically.

8. Select the desired city name.

9. Input the name of the 1st street and press the **List** button.
   If the number of matches with the input is less than 4 results, then the street list screen will be displayed automatically.

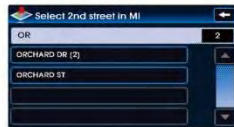10. Select the desired 1st street menu from the list.

11. Input the name of the 2nd street and press the **List** button.
    If the number of matches with the input is less than 4 results, then the street list screen will be displayed automatically.

NAVIGATION SYSTEM

PART 3 NAVIGATION SYSTEM

Searching a POI

There are 3 ways to set the destination through POI search - (a) by category, (b) by name, (c) by phone number.

1. Press the DEST key.

2. Press the POI Search button.

3. Press the State button.

12. Select the desired 2nd street menu from the list.
The corresponding position will be displayed on the map.

13. If the selected 2nd street is within more than 2 cities, then the city list screen will be displayed. Select the desired city menu from the list. The corresponding position will be displayed on the map.

4. Input the state name and press the List button. If the number of matches with the input is less than 4 results, then the state list screen will be displayed automatically. If there is only one matching result, then the state will automatically be changed without having to manually select the state.

5. Select the desired state from the list to change the state.

(a) By category
Searches for facilities nearby the current position or from the city center.

6. Press the Category button.

7. Press the Near current position button to search for facilities nearby the current position, or press the Near city center button to search for facilities in the near city center.

(a-1) Near current position
Searches for facilities within a 50 mi (80Km) radius of the current position.

8. Press the desired main category menu.

Voice Command

1. Press the key on the steering wheel remote controller.
2. After the beep sound, say a command.
"Find nearest POI"

9. Press the desired sub category menu.

10. Select the desired menu button. The corresponding position will be displayed on the map.

PART 3 NAVIGATION SYSTEM

(a-2) Near city center

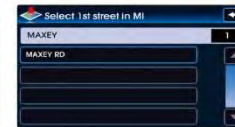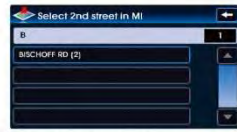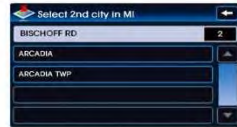Searches for facilities from the city center.

Input a city name in MI

8. Input the city name and press the **List** button.

If the number of matches with the input is less than 4 results, then the city list screen will be displayed automatically.

Select a city name in MI

9. Press the desired city menu.

Select a category

Restaurants	Automotive
Travel	Shopping
Recreation	Financial Service
Community	Services
All Categories	Input category keyword

10. Press the desired main category.

Select a subcategory

- All Automotive
- Gas Station
- Parking
- Auto service
- Road Assistance

11. Press the desired sub category.

Select a POI

HYUNDAI OF ANN ARBOR	10 mi
RALPH THAYER LIVONIA	14 mi
LAFONTAINE HYUNDAI	19 mi
GLASSMAN HYUNDAI	23 mi
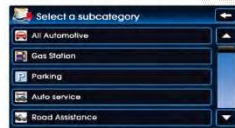
Sort by: Distance | Alphabet | Category

12. Select the desired menu button.
The corresponding position will be displayed on the map.

ⓘ INFORMATION

The distance on each POI item button refers to the distance from the city center.

(b) By name

Search a POI by

Category | Name | Phone #

in Michigan

State

6. Press the **Name** button.

Input a POI name in MI

7. Input the name of the POI and press the **List** button.
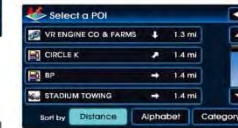If the number of matches with the input is less than 4 results, then the facilities list screen will be displayed automatically.

Select a POI in NY

HYUNDAI	50
City	All cities, NY	Category
ADVANTAGE HYUNDAI	
ATLANTIC HYUNDAI	
BURDICK HYUNDAI	

Select a POI in NY — Advanced

- ADVANTAGE HYUNDAI
- ATLANTIC HYUNDAI
- BURDICK HYUNDAI
- CARBONE HYUNDAI
- CITY WORLD HYUNDAI

8. Select the desired POI menu.
The corresponding position will be displayed on the map.

ⓘ INFORMATION

When necessary, the search conditions for the city and category can be changed by pressing the **Advanced** button.

● Changing City
1. Press the **City** button.
2. Input the city name and press the **List** button.
3. Select the desired city name.

● Changing Category
1. Press the **Category** button.
2. Select the desired main category menu.
3. Select the desired sub category menu.

(c) By phone number

Search a POI by

Category | Name | Phone #

in Michigan

State

6. Press the **Phone #** button.

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Input a phone number

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

7. Input the phone number and Press the **Done** button to complete.
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.
"Destination POI by Phone Number"
[Destination POI by phone number], page 5-22.

Searching from Address book

1. Press the **DEST** key.

2. Press the **Address book** button.

Select a user

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

3. Select the desired address book (user) menu.

INFORMATION
This system provides 5 address books. Each addresses book can hold up to 200 entries.

Select a destination - USER 1

ADDRESS 1

Sort by **Alphabet** **Date**

4. Select the desired address name from the list.
The corresponding position will be displayed on the map.
[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.
"Destination by address book"
[Destination by address book], page 5-24.

Searching for Emergency facilities

1. Press the **DEST** key.

2. Press the **Emergency** button.

Emergency

Current Position Information
7070 GEDDES RD, YPSILANTI, MI
N: 42° 16' 29" W: 83° 37' 18"

| Police Station | Hospital | Dealership |

3. Select the desired facility category.

Select a destination

YPSILANTI POLICE DEPAR	→	2.4 mi	▶
WASHTENAW SHERIFF'S O	→	3.5 mi	▶
MICHIGAN STATE POLICE	→	3.7 mi	▶
ANN ARBOR POLICE DEPA	↓	6.8 mi	▶
FEDERAL BUREAU OF INVE	↓	6.9 mi	▶

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 5-23.

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 not 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 5-25.

NAVIGATION SYSTEM

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 5-25.

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.

Select a category	
Restaurants	Automotive
Travel	Shopping
Recreation	Financial Service
Community	Services
Local POI lists	

3. Press the Local POI lists button.

Select a POI Icon to go		
CIRCLE K	↗	1.4 mi
BP	→	1.4 mi
MARATHON	↘	2.0 mi
BP	↘	2.1 mi

Sort by: Distance | Alphabet | Category | On Route

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 5-21.

Operating after searching a destination

MICHIGAN STATE POLICE
36725 DIVISION RD, RICHMOND, MI
586-727-0200

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>"

NAVIGATION SYSTEM

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/VOICE] 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"
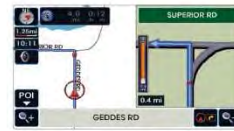
Route guidance screen

- 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

1. Press the [Alternative Route] button.

2. Other routes can be selected by pressing the [ ] or [ ] buttons.

NAVIGATION SYSTEM

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.

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

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

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

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

e Detour : searches detour routes.
🔍 [Setting detour distance], page 3-35 .

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

Finishing route guidance (Delete Destination)

1. Press the ROUTE key.

2. Press the Cancel Route button.

3. 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

NAVIGATION SYSTEM

PART 3 NAVIGATION SYSTEM

Changing Route option

1. Press the ROUTE key.

2. Press the Route Option button.

Select a calculating method
Recommended   Shortest
* Route Settings:
Minimize Freeway
Minimize Toll Road
Use Ferries

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"

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.

Edit Waypoint
CADILLAC SQ, DETROIT, MI
Press to Add new waypoint   Move▲
Press to Add new waypoint
Press to Add new waypoint   Move▼
Press to Add new waypoint   Delete
7070 GEDDES RD, YPSILANTI, MI   Done

3. Press the Press to add new waypoint button.

(a) Searching POI lists near route

Add Waypoint
Near POI Lists on Route
Advanced (more)

4. Press the Near POI Lists on Route button.

Select a category
Restaurants   Automotive
Travel   Shopping
Recreation   Financial Service
Community   Services
All Categories   Input category keyword

5. Select the desired category.

Select a subcategory
All Automotive
Gas Station
Parking
Auto service
Road Assistance
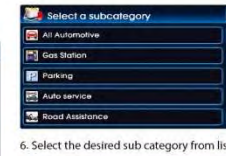
6. Select the desired sub category from list.

Select a POI
HYUNDAI OF ANN ARBOR   ↓   10 mi
RALPH THAYER LIVONIA   ↖   14 mi
LAFONTAINE HYUNDAI   ↑   19 mi
GLASSMAN HYUNDAI   ↗   23 mi
Sort by   Distance   Alphabet   Category

7. Select the desired POI from the list.
   The corresponding position will be displayed on the map.

819 N HURON ST, YPSILANTI, MI
734-487-0841   1.4 mi
Menu DR Off   Add as Waypoint

8. Press the Add as Waypoint button.

Edit Waypoint
CADILLAC SQ, DETROIT, MI
Press to Add new waypoint   Move▲
Press to Add new waypoint   Move▼
Press to Add new waypoint   Delete
7070 GEDDES RD, YPSILANTI, MI   Done

9. Press the Done button to complete.
   Guidance will restart after recalculating the route.

NAVIGATION SYSTEM

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.
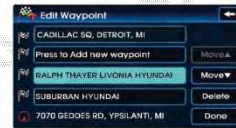

3. Select the waypoint and press the [Delete] button.

4. Press the [Yes] button.

5. After deleting, press the [Done] button to complete.
Guidance will be restart after recalculating the route.

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 the route to avoid the selected streets.

NAVIGATION SYSTEM

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.

a 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 .

b Voice Setup button : adjusts the Navigation guidance volume.
[Voice guidance volume setting], page 3-51 .

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

d Clock Setup button

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

f Help button : the help contents can be viewed.
[Help], page 3-54 .

g Traffic Setup : sets to display traffic information on map, or to provide upcoming traffic information voice guidance, and or to display the detour route popup showing upcoming traffic information.

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.

3. Press the Done button to complete.

Setting voice command feedback ON/OFF

Press the desired setting button.

Setting Language

1. Press the Change button.

2. Press the desired language.

Initializing system

1. Press the Factory Default button.

2. Press the menu desired for initialization.

3. Press the Yes butto

NAVIGATION SYSTEM

3-36 NAVIGATION SYSTEM

NAVIGATION SYSTEM 3-37

PART 3 NAVIGATION SYSTEM

Navigation setting

1. Press the SETUP key.

2. Press the Navigation button.

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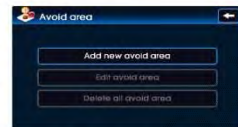
Setting units (mile/ km)

Select the desired distance unit.

Setting arrival time and distance display

Select the desired setting button.

Registering avoid area

1. Press the Avoid Area button.

2. Press the Add new avoid area button.

3. Set the start position of the avoid area and press the Next button.

4. Set the end position of the avoid area and press the Next button.

5. Press the Done button to complete.

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

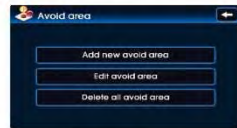7. Rename the Avoid area and Press the Done button to complete.

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.

NAVIGATION SYSTEM

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.

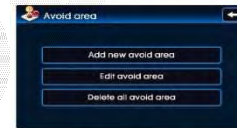6. Each time the Avoid button is pressed, the function will switch between avoid( ) or allow( ).

7. Press the Done button once editing is complete.

Deleting avoid area

1. Press the Avoid area button.

2. Press the Edit avoid area button.
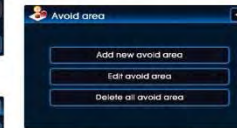

3. Select the Avoid area button to delete.

4. Press the Delete button.

5. Press the Yes button.

Deleting all avoid areas

1. Press the Avoid area button.

2 . Press the Delete all avoid area button.

3. Press the Yes button.

NAVIGATION SYSTEM