



SD MAP

DVD
VIDEODOLBY
DIGITALDIGITAL NAVIGATION SYSTEM
OWNER'S MANUAL

DIVX

3ZENB11



Preface

Thank you for purchasing this Audio Navigation System.

This user's manual explains how to use the Hyundai Motor Audio Navigation System.

Before using the product, read the contents of this user's manual carefully and use this product safely.

- The screens shown in this manual may differ with the actual screens of the product.
- The design and specification of this product may change without prior notification for product improvement.
- When transferring the vehicle to another individual, include this user's manual so that the next driver can continue its use.

iPod

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Bluetooth

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A Bluetooth® enabled cell phone is required to use Bluetooth® wireless technology.

A Bluetooth® enabled cell phone is required to use Bluetooth® wireless technology. Bluetooth® phone compatibility can be checked by visiting www.hyundaiusa.com and under the SERVICE & PARTS – BLUETOOTH COMPATIBILITY menu.



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1 Basic

- Warnings and Cautions
- Key Product Features
- Component Names and Functions

CAR AVN SYSTEM

Warnings and Cautions

Safety Warnings

- ⓘ Even when receiving route guidance from the Navigation system, please abide by actual traffic and road regulations. Following only the Navigation route guidance may lead to violations of actual traffic and road regulations and lead to traffic accidents.
- ⓘ Do not stare at the screen while driving. Staring at the screen for prolonged periods of time could lead to traffic accidents.
- ⓘ Do not operate the Navigation system while driving, such as entering POIs or conducting route searches. Such acts could lead to accidents, fire, or electric shock. Park the vehicle before operating the device.
- ⓘ Do not disassemble, assemble, or modify the Navigation system. Such acts could result in accidents, fire, or electric shock.
- ⓘ Heed caution not to spill water or introduce foreign objects into the device. Such acts could lead to smoke, fire, or product malfunction.
- ⓘ Please refrain from use if the screen is blank or no sound can be heard as these signs may indicate product malfunction. Continued use in such conditions could lead to accidents (fires, electric shock) or product malfunctions.
- ⓘ Do not touch the antenna during thunder or lightening as such acts may lead to lightning induced electric shock.
- ⓘ Do not stop or park in parking-restricted areas to operate the product. Such acts could lead to traffic accidents.
- ⓘ For most AV and multimedia modes, the display will not operate when the vehicle is in motion. For your safety, first park the vehicle to watch or view the screen. (The screen will operate when the parking brake is set to ON for manual transmission vehicles and when set to P or Parking Brake On state for auto transmission vehicles.)

Safety Cautions

- ⓘ In some instances, the navigation may provide guidance through restricted areas.
- ⓘ Operating the device while driving could lead to accidents due to a lack of attention to external surroundings. First park the vehicle before operating the device. In addition, the touch screen may not work for some functions when the vehicle is in motion. The touch screen feature will be supported once the vehicle has stopped.
- ⓘ Adjust the volume to levels that allow the driver to hear sounds from outside of the vehicle. Driving in a state where external sounds cannot be heard may lead to accidents.
- ⓘ Pay attention to the volume setting when turning the device on. A sudden output of extreme volume upon turning the device on could lead to hearing impairment. (Adjust the volume to a suitable levels before turning off the device.)
- ⓘ If you want to change the position of device installation, please inquire with your place of purchase or service maintenance center.
- ⓘ Technical expertise is required to install or disassemble the device.
- ⓘ Turn on the car ignition before using this device. Do not operate the Navigation system for long periods of time with the ignition turned off as such operations may lead to battery discharge.
- ⓘ Upon using the Navigation system for more than 10 minutes with the car engine turned off, the following warning will be displayed. After 10 minutes, the warning will be displayed for 5 seconds every 1 minute.
- ⓘ Do not subject the device to severe shock or impact. Direct pressure onto the front side of the monitor may cause damage to the LCD or touch screen.
- ⓘ When cleaning the device, make sure to turn off the device and use a dry and smooth cloth.
- ⓘ Never use tough materials, chemical cloths, or solvents(alcohol, benzene, thinners, etc.) as such materials may damage the device panel or cause color/quality deterioration.
- ⓘ When experiencing product malfunctions, inquire with your place of purchase or service maintenance center.

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Key Product Features

This device is an Audio Navigation system equipped with a multifunctional disc player that supports Radio (FM1, FM2, AM), Audio CD, MP3, USB, iPod, and Audio AUX features. The WIDE VGA LCD provides a high quality resolution while the powerful and rich sound system adds to driving enjoyment.

Display	Wide TFT-LCD Display <ul style="list-style-type: none"> • Provides high quality video and music through a Wide TFT-LCD Display using an LED Back Light • Touch screen for maximum user convenience
Radio	Digital Tuner Feature <ul style="list-style-type: none"> • Digital Tuner using PPL method that supports memory of 6 broadcast stations for each AM, FM1, and FM2 modes Integrated Antenna (RADIO+NAVI) <ul style="list-style-type: none"> • Outstanding reception via integrated antenna with high sensitivity Radio broadcast station name <ul style="list-style-type: none"> • Displays broadcast station names for key locations HD Radio/Satellite Radio feature <ul style="list-style-type: none"> • Supports HD Radio and Satellite Radio (XM)
Multimedia Player	Support for various Media Formats <ul style="list-style-type: none"> • Support for various media formats, including Radio, audio MP3 CD, USB, iPod and AUX • Supports USB, iPod, and Bluetooth Audio Streaming modes My Music <ul style="list-style-type: none"> • Supports copying of music stored within USB or iPod devices into My Music (internal memory) mode USB Image <ul style="list-style-type: none"> • Copy to view and save images saved in USB devices
Navigation	Voice Guidance <ul style="list-style-type: none"> • Voice route guidance to safely and conveniently reach set destinations • Various map scales that enables drivers to accurately view map and surrounding areas Automatic Correction for Current Location <ul style="list-style-type: none"> • Automatically corrects current position using map matching and GPS information

Blue Link	<p>Sync with Blue Link Center</p> <ul style="list-style-type: none"> • Synchronization with the Blue Link Center to provide various types of information <p>Vehicle Diagnostics/Maintenance</p> <ul style="list-style-type: none"> • Supports Vehicle Theft Protection, Parts Diagnostics and Recall Information <p>Eco Driving and Fuel Economy Management</p> <ul style="list-style-type: none"> • Supports Economic driving practices by providing driver/community fuel economy information and Eco Rewards
Miscellaneous	<p>Bluetooth® Handsfree</p> <ul style="list-style-type: none"> • Convenient use of Bluetooth® Handsfree by using buttons within the steering remote controller <p>Digital Screen Control Features</p> <ul style="list-style-type: none"> • Easy control of screen controls through touch screen options <p>Steering Remote Controller</p> <ul style="list-style-type: none"> • Control over audio features, voice recognition and Bluetooth® through the steering remote controller for maximum convenience

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Component Names and Functions



Notation	Description
1 PHONE	<p>Converts to Bluetooth® Handsfree mode</p>
2 SEEK TRACK	<p>When SEEK TRACK keys are pressed shortly (under 0.8 seconds)</p> <ul style="list-style-type: none"> • In FM/AM mode, plays previous/next frequency • In XM mode, plays the previous/next channel • In CD/MP3/USB/iPod/My Music modes, changes the track, file or chapter <p>When SEEK TRACK keys are pressed and held (over 0.8 seconds)</p> <ul style="list-style-type: none"> • In FM/AM mode, continuously changes the frequency until the key is released and plays the current frequency • In XM mode, continuously changes the channel until the key is released and plays the current channel • In CD/MP3/USB/iPod/My Music modes, rewinds or fast-forwards the track or file
3 FM/AM	<ul style="list-style-type: none"> • Converts to FM/AM mode • Each time the key is pressed, the mode is changed in order of FM1 FM2 AM FM1
4 INFO	<p>Displays the Info mode screen</p>
5 MEDIA	<ul style="list-style-type: none"> • Displays CD, MP3, USB, iPod, AUX, Bluetooth Audio Streaming, My Music modes • If the media is not connected or a disc is not inserted, corresponding modes will be disabled.
6 SAT	<p>Converts to XM mode</p> <ul style="list-style-type: none"> • Each time the key is pressed, the mode is changed in order of XM1 XM2 XM3 XM1



Notation	Description
7 ● PWR key ● VOL Knob	<ul style="list-style-type: none"> When power is off, press to turn power on When power is on, press and hold (over 0.8 seconds) to turn power off When power is on, press shortly (under 0.8 seconds) to turn AV off Turn left/right to control volume
8 ROUTE	Displays Route menu screen
9 SETUP	Displays the Setup mode
10 MAP VOICE	Displays the map for the current position
11 ~TUNE~	<ul style="list-style-type: none"> In FM/AM mode, changes the frequency In XM mode, changes the channel In CD, MP3, USB, iPod, My Music modes, changes the track/file
12 DEST	Displays the Destination setup menu
13 ENTER	Executes the selection
14	Press to insert or eject disc
15	Displays current time and date
16 RESET	Resets and restarts the system
17	SD Card insert slot

Basic I 1-3

Component Names and Functions



Notation	Description
1 VOL+ VOL-	Controls the volume
2 MUTE	Mutes the sound
3 ^ v	<p>When keys are pressed shortly (under 0.8 seconds)</p> <ul style="list-style-type: none"> In FM/AM mode, searches broadcast frequencies saved to Presets In XM modes, searches broadcast channels saved to Presets In CD/MP/USB/iPod/My Music modes, changes the track, file or chapter. <p>When keys are pressed and held (over 0.8 seconds)</p> <ul style="list-style-type: none"> In FM/AM mode, automatically searches broadcast frequencies and channels In XM modes, automatically searches broadcast channels In CD/MP/USB/iPod/My Music modes: rewinds or fast forwards the track of file.
4 MODE	<ul style="list-style-type: none"> Each time this key is pressed, the mode is changed in order of FM1 FM2 AM XM1 XM2 XM3 USB(Music Image) or iPod AUX Bluetooth Audio My Music If the media is not connected or a disc is not inserted, corresponding modes will be disabled. Press and hold the key (over 0.8 seconds) to turn the AV system on/off When power is off, press the key to turn power back on



Notation	Description
5	Converts to voice recognition mode When pressed shortly (under 1.2 seconds) <ul style="list-style-type: none"> When pressed in the phone screen, displays call history screen When pressed in the dial screen, makes a call When pressed in the incoming call screen, answers the call When pressed during call waiting, switches to waiting call (Call Waiting)
6	When pressed and held (over 1.2 seconds) <ul style="list-style-type: none"> When pressed in the Bluetooth® Handsfree wait mode, redials the last call When pressed during a Bluetooth® Handsfree call, switches call back to mobile phone (Private) When pressed while calling on the mobile phone, switches call back to Bluetooth® Handsfree (Operates only when Bluetooth® Handsfree is connected)
7	When pressed during a call, ends the phone call When pressed in the incoming call screen, rejects the call

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Notation	Description
1 Blue Link Center	Connects to the Blue Link Center to speak with consultants When pressed again during call, ends call
2 Blue Link for POI	After connecting to the Blue Link Center, used to request POI information through voice recognition When pressed again during call, ends call
3 Blue Link for SOS	When an unforeseen emergency occurs, used to make call and request Blue Link SOS service. When pressed again during call, ends call

Basic I 1-11

Starting the System for the First Time

Turning the System On/Off

Turning the System On



Once the system is turned on, the booting process will start and the safety warning page is displayed.

i Information

- If the engine start button is pressed without pressing the brakes, then the ACC and system will turn on. If the brakes are pressed, then the IGN and system will turn on and the ignition will start.
- No operations are supported while the system is booting. Some time may be required until all features are ready for use.

⚠ CAUTION

- The safety warning page is displayed every time the ignition is turned on. As these matters are related to safety, closely read and comply with the safety warnings.

Turning the System Off

Press the engine start button again or press and hold the **⏻** power key on the system to turn the system off.

i Information

- If the system is turned off while the Handsfree is being used, then the call will automatically switch back to the mobile phone.

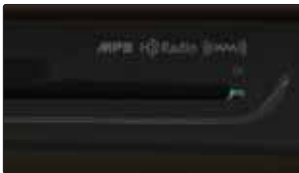
⚠ CAUTION

- Pay attention to the volume setting when turning the device on. A sudden output of extreme volume upon turning the device on could lead to hearing impairment. Adjust the volume to a suitable levels before turning off the device.

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Resetting the System

This feature is used to reset the system in the occurrence of an unforeseen error or problem.



Press and hold the RESET key (about 1 second). The use of a clip or pin is recommended when resetting the system.)

i Information

- Upon resetting the system, saved data and settings information (radio frequencies, volume and display settings) will be restored back to the default factory state. Such are not indications of malfunctions.

Battery Warning Message

Use the system only when the engine is running. If the system is turned on with the engine off, then the following warning will be displayed.



This message will automatically disappear once the engine is turned on.

NOTICE

- Using the system for prolonged periods of time without the engine running may result in battery discharge.



2 Audio

- FM/AM Mode
- HD Radio Mode
- XM Mode
- About DISC
- CD Mode
- MP3 CD Mode
- USB Mode
- iPod® Mode
- AUX Mode
- Bluetooth® Audio Mode
- My Music Mode

CAR AVN SYSTEM

FM/AM Mode

Basic Mode Screen



Name	Description
1 Mode Display	Displays currently operating mode
2 Preset	Shows saved presets for user selection
3 Setting Display	Displays currently operating features/options
4 Frequency	Displays the current frequency
5 Broadcast Station	Displays the current broadcast station
6 Menu	Displays Preset Scan and Text On (Text Off) menus
7 Scan	Plays frequencies with superior reception for 5 seconds each
8 Auto Store	Saves frequencies with superior reception to Preset buttons
9 Text On (Text Off)	Turns the Radio Text information on and off
10 Preset Scan	Plays preset frequencies for 5 seconds each

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Basic Mode Screen (HD Radio ON)



Name	Description
1 Mode Display	Displays currently operating mode
2 Preset	Shows saved presets for user selection
3 Setting Display	Displays currently operating features/options
4 Frequency	Displays the current frequency
5 Broadcast Station	Displays the current broadcast station
6 Menu	Displays Preset Scan and Text On (Text Off) menus
7 Scan	Plays frequencies with superior reception for 5 seconds each
8 Auto Store	Saves frequencies with superior reception to Preset buttons
9 Text On (Text Off)	Turns the Radio Text information on and off
10 Preset Scan	Plays preset frequencies for 5 seconds each

FM/AM Mode

FM/AM Mode

Starting Mode

Press the **FM/AM** key to change the mode in order of FM1 → FM2 → AM.



When the power is OFF, pressing the **FM/AM** key will turn the power on and play a radio broadcast.

Searching Frequencies Automatically

Press the **SEEK TRACK** keys to automatically search for frequencies.

- Shortly press the key (under 0.8 seconds): Plays previous/next frequency
- Press and hold the key (under 0.8 seconds): Changes the frequency while pressed and receives the next frequency upon release.

Using TUNE

Turn the **TUNE** key to manually select the frequency.



- FM1/FM2 : Increases/decreased by 100kHz
- AM : Increases/decreased by 9kHz

Selecting Presets



From the 6 presets, select the frequency you want to listen to.

Information

- You can save up to 6 preset channels for each FM1, FM2 and AM.
- The station name and region is displayed by using GPS coordinates and are not displayed when the information cannot be received.

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- The displayed station name and region is unrelated to radio sensitivity. The station name information may differ from the actual broadcast.

Saving Radio Frequency



Saving Manually

After selecting frequency ► Press and hold (over 0.8 seconds) the preset button.

- A 'beep' will sound and the frequency is saved to the selected preset button.

Saving Automatically

Press the **Auto Store** to automatically save receivable frequencies to Preset buttons. A total of 18 frequencies with six preset frequencies each for FM1/FM2/AM modes can be saved.

Information

- While **Auto Store** is operating, pressing the Auto Store button again will cancel the function and play the previous frequency.

FM/AM Mode

FM/AM Mode

Scanning Radio Frequency

Press the **Scan** button to scan all radio frequencies.



Starting from the current frequency, frequencies with superior reception are scanned for 5 seconds and the previous frequency is restored.

Using the Menu Buttons

Press the **Menu** button to use the Preset Scan menu.



Preset Scan

Press the **Menu** button ► Press

Auto Store

- Frequencies saved to the 6 preset buttons are each played for 5 seconds and the previous frequency is restored.

Text On/Text Off

Press the **Menu** button ► Press the **Text On**

The **Text** feature is turned on/off.

- If the **Text On** button is displayed (Text off state), information will not be displayed even if there is information being transmitted from the broadcast station.
- If the **Text Off** button is displayed (Text on state), then broadcast information will be displayed. Information may not be displayed if there is no information being transmitted from the broadcast station.

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HD Radio Mode

About HD Radio

HD Radio™ Technology (if equipped)



PSD

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

HD2/HD3

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

Digital Sound

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

Starting Mode

Press the **FM/AM** key to turn on Radio mode.



HD Radio Mode

If an HD Radio broadcast is received, the radio mode will switch from analog broadcast to HD Radio broadcast.

Information

- The HD Radio screen is displayed only when a HD Radio broadcast is being received.
- To ensure HD Radio stations are received, turn the feature on at **Setup** key ►

HD Radio ► **HD Radio Setting**

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HD Radio Mode

Operating HD Radio Mode

Selecting a Frequency



As HD Radio reception is included within Radio mode, the methods of moving between channels, saving presets, searching, or methods of searching frequencies are identical. However, while the HD Radio related icon display will become active when within regions where an HD Radio signal can be received.

Using TUNE

Press the **TUNE** key to manually select the frequency.



Selecting through Preset



From the 6 presets, select the HD Radio broadcast you want to listen to.

Information

- For HD Radio broadcast channels without sub channels, sub channels will be skipped and only main channels will be received.

Song-Tagging

Song-tagging is a feature that song data of the currently playing broadcast.

Upon connecting an iPod®, song information is transferred to the iPod® and can be downloaded through iTunes.

Information

- Up to 50 songs can be saved if an iPod® device is not connected.
- Song data can be transferred to an iPod® only if there is available space within the device.

HD Radio Digital Broadcast On/Off

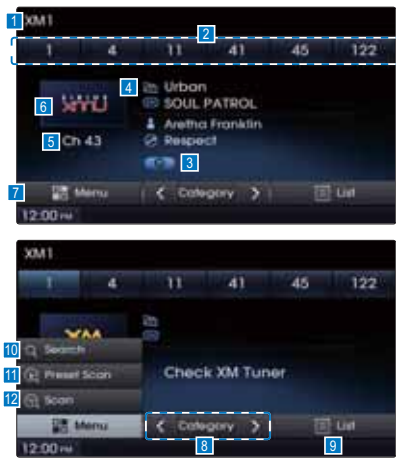
Press the **Setup** key ▶ Press the **HD Radio** ▶ Press **Off / On**



HD Radio Broadcasts can be turned On and Off for HD Radio FM and AM mode.

XM Mode

Basic Mode Screen



Name	Description
1 Mode Display	Displays currently operating mode
2 Preset	The desired frequency can be saved as a preset and selected.
3 Setting Display	Displays the indicator if Scan/ Preset Scan is operating
4 Category	Displays the current category
5 Channel Number	Displays the current channel number
6 Channel Name	Displays the current channel name
7 Menu	Displays Search, Preset Scan and Scan menus
8 Category Selection Buttons	Used to select the previous/next channel
9 List	Displays XM Radio Categories/Channel Lists
10 Search	Used to search for channels by entering channel numbers
11 Preset Scan	Plays preset frequencies for 5 seconds each
12 Scan	Plays all receivable channels for 5 seconds each

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Starting Mode

Press the **SAT** key to change the mode in order of XM1 → XM2 → XM3.



When the power is OFF, pressing the **SAT** key will turn the power on and play a XM Radio broadcast.

Using SEEK

Press the **SEEK TRACK** key on the control panel for under 0.8 seconds. The previous or next channel will be selected.

Information

- Within category mode, channels within the current channel will be played.
- Within channel mode, all channels in all categories will be played.
- If there are no operations for 5 seconds while in category mode, then channel mode will automatically be restored.

Using TUNE

Press the **TUNE** key to display the previous or next channel information.



After a brief moment, the selected channel will be displayed.

Selecting Presets



From the 6 presets, select the channel you want to listen to.

XM Mode

XM Mode

Selecting through Channel/Category List

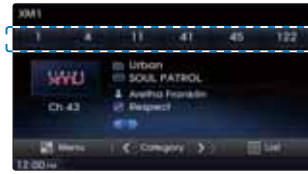
Press the **List** button ► Select the desired category and channel



Select the desired category and the channel. Once selected, the previous screen will be restored and the selected channel will begin playing.

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Saving XM Channels



Saving Manually

After selecting channel ► Press and hold (over 0.8 seconds) the preset button.

- A 'beep' will sound and the channel is saved to the selected preset button.

Information

- Six preset frequencies each for XM1/ XM2/ XM3 modes can be stored using the above instructions.

Using the Menu Buttons

Press the **Menu** button to use the Search, Preset Scan, and Scan menus



Search

Press the **Menu** button ► Press **Search** ► Enter numbers and press **Done**



Enter the number of the channel you want to receive.

Preset Scan

Press the **Menu** button ► Press **Preset Scan**

Channels saved to the 6 preset buttons are each played for 5 seconds and the previous channel is restored.

Scan

Press the **Scan** button to scan all channels.



Starting from the current channel, channels with superior reception are scanned for 5 seconds and the previous channel is restored once scanning is complete.

XM Mode

About Discs

Precautions upon handling discs

- ❑ After using a disc, put the disc back in its original case to prevent disc scratches.
- ❑ Do not use abnormally shaped discs (8cm, heart-shaped, octagon-shaped) as such discs could lead to malfunctions.
- ❑ Do not clean discs with chemical solutions, such as record sprays, antistatic sprays, antistatic liquids, benzene, or thinners.
- ❑ Do not expose the disc to direct sunlight or high temperatures for prolonged periods of time. Such exposure may lead to disc deformation.
- ❑ Upon playing a disc contaminated by dirt or other substances, the sound and video quality may deteriorate and result in skipping sounds. Writing on either side of the disc could result in damage to disc surfaces.
- ❑ Clean fingerprints and dust off the disc surface (coated side) with a soft cloth.
- ❑ Copy-protected CDs, such as S-type CDs, may not properly operate in the device.
- ❑ Do not disassemble the device. Contact a designated service center in case of malfunction. (Complete after service assistance will not be provided if the user disassembles the device.)
- ❑ Do not use water to clean the device. Exposure to water could lead to product malfunction.
- ❑ Do not to introduce foreign substances into the disc insert/eject slot. Introducing foreign substances could damage the device interior.
- ❑ The device may fail to properly operate in extremely hot or cold temperatures. (The operating temperature range is : -10°C ~ 65°C)
- ❑ Steam can become condensed on the fiber-optic lens due to rain, wet conditions, or upon operating the heating system. In such cases, discs may not be properly recognized could be the cause of product malfunction. Remove the disc and wait until the moisture dries.
- ❑ Skipping may occur to the audio and video when driving on bumpy roads for prolonged periods of time or upon severe shock to the vehicle. In case of severe shock, video and audio may not properly play.

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Supported Disc formats

This device supports the following disc formats.

Disc Type

Disc Type	Disc Format	Device Support
CD	3inch (8cm)	○
	5inch (12cm)	○
	CD	○
	CD-R	○ (Read Only)
	CD-RW	○ (Read Only)
	Multisession-CD	○ (Read Only)
SACD	SACD	x
	(Single, SACD layer) SACD(Hybrid)	○ (Only CD layer)

Disc Format

Disc Type	Disc Format	Device Support
CD	3CD-DA	○
	MP3	○
	WMA	○
	MPEG4 AAC	X
	DTS-CD	○
	CD-RM	○
	CD-G	○
	CD-EXTRA	○
	CD-TEXT	○

Disc/Content Format Compatibility

By Format according to disc Type

Disc Type	Disc Format	Device Support
CD	LPCM	○
MP3	MPEG1, Layer3	○
	MPEG2, Layer3	○
	MPEG2.5	○
WMA	Ver9	○

Ordinary disc compatibility

This device has been designed/ manufactured to be compatible with software bearing the following logo marks.



Audio-CD

- CD-R/RW discs (Audio CD) created with CD recording devices or PCs may not properly operate in the device.
- This is a result of various causes, including disc format, recording method, and contamination to the disc or lens.

About Discs

About Discs

CD-R/RW compatibility

This device supports CD-R, CD-RW, and MP3 discs burned in Audio CD formats.

- The recording of CD-R and CD-RW discs with this device is not supported.
- CD-R/RW discs recorded as audio CDs that were not finalized are not supported by this device.

PC-created disc compatibility

- When burning a disc on the PC, the disc may not operate in this device depending on the software settings. In such cases, inquire with the software manufacturer.
- Additional information regarding compatibility is displayed on the CD-R/RW software disc box.
- DVD-R/W discs are not compatible with this device.

Cautions upon writing CDs

- When a multi-session disc is being recorded, make sure to close the session before recording.
- If mp3/wma file extensions are changed, such could result in malfunctions.
- In the case of MP3/WMA, write using only English. (Other languages are not supported)
- Unauthorized use of copy-protected music files is prohibited by law.
- Prolonged use of CD-R/CD-RW products that do not satisfy related specifications may result in product malfunction.
- When writing CDs, low-speed writing is recommended.

Compressed audio compatibility

- Physical formats of CD : Model 1, Model 2 XA format 1.
- This device supports audio file compressed through MPEG-1 audio stream layer 3 (MP3) using 8kbps ~ 320kbps (CBR), VBR.
- For stable operation, the use of files in 95kbps~192kbps bit rate range and 44.1kHz SAMPLING frequency is recommended.
- This device supports WMA audio files using 20kbps ~ 320kbps(CBR), VBR.
- Variable bit rate files may operate, but the play time information may not be properly displayed.
- This device only supports tracks with file extension of ".mp3" or ".wma".
- This device does not support multisession discs.
- This device supports only 8 layer folders.
- This device supports MP3 ID3 tag versions of Ver. 1.0, Ver. 1.1, Ver. 2.2, Ver. 2.3, Ver. 2.4. When using discs with other versions, the ID3 info will not be displayed.

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- Although this device has been designated to be compatible with various bit rates, playing low bit rate MP3 tracks may result in low quality sound.

Before playing a MP3 Disc

Supported MP3 File Specification

- Acceptable standard: MPEG1 AUDIO LAYER 3
- Acceptable sampling frequency : 8, 11.025, 12, 16, 22.05, 24, 32, 44.1, 48(KHz)
- Acceptable bit rate : 8 ~ 320 (Kbps)

Recommended bit rates and frequency

- Sampling frequency : 96 ~ 192 Kbps fixed bit rate/4.1kHz

NOTICE

- Supported ID3 tags : ID3v1 0, ID3v1 1, ID3v2 2, ID3v2 3, ID3v2 4
- Supported MP3 Media : CD-ROM
- Supported media formats : ISO9660 LEVEL1 and LEVEL2

Detailed Specification

- Maximum directory layers : 8 layers
- Maximum folder length : 64 bytes, file name length: 64 bytes
- Supported characters for folder name/ file name: Alphanumeric characters, Korean standard character set 2350 characters, Simplified Chinese 4888 characters
- Maximum number of folders per disc : 256 folders (including ROOT)
- Maximum number of files per disc : 512 files

Precautions upon burning MP3 files

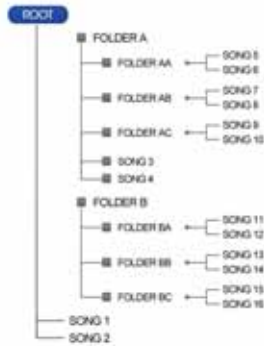
- The use of ISO 9660 LEVEL 2 JOLIET format is recommended.
- Up to 32 characters in Korean/Chinese are supported for file names and up to 20 characters in Korean/Chinese are supported for folder names.
- The use of CDs exceeding 700M may result in faulty disc recognition or errors upon play.

About Discs

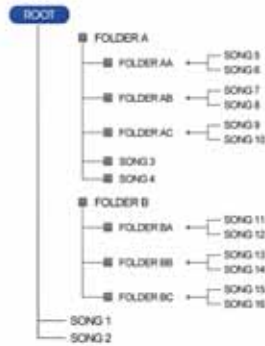
About Discs

MP3 File Structure

Recognition occurs through the same folder structure used within the disc.



Folder structure as saved in CD-ROM



Folder structure as saved in the system.

2-18

CD Mode

Basic Mode Screen



Name	description
1 Mode	Displays currently operating mode
2 Track Index	Shows the current track/total tracks
3 Repeat/Shuffle/Scan	From Repeat/Shuffle/Scan, displays the currently operating function
4 Play Time	Displays the current play time
5 Track	Track number of current song
6 Menu	Displays Repeat, Shuffle, Scan, and Info On (Info Off) menus
7 Repeat	Repeats the current track
8 Shuffle	Plays disc tracks in random order
9 Scan	Scans the beginning parts of disc tracks (approx 10 seconds per track)
10 Info Off (Info On)	<ul style="list-style-type: none"> Info Off : shows only track info Info On : shows track info, artist and album info ※ empty when there is no corresponding information.
11 Previous Track	<ul style="list-style-type: none"> When the play time is under 2 seconds : Moves to the previous track When the play time is over 2 seconds : Plays the current song from the beginning
12 Play/Pause	Plays/pauses the current track
13 Next Track	Moves to the next track
14 List	Moves to the track list screen
15 Artist Info	Displays artist info for current song (Will not be displayed if the information does not exist)
16 Album Info	Displays album info for current song (Will not be displayed if the information does not exist)

eSonic CC

CD Mode

Starting Mode

Press the **MEDIA** key ▶ Press **CD**



NOTICE

- Only genuine audio CDs are supported. Other discs may result in recognition failure (e.g. copy CD-R, CDs with labels)

2-20

i Information

- CD mode will automatically start once a CD is inserted.

Playing a CD



- Press the **▶** button to play the track.
- Press the **⏸** button to pause the track.

Fast-forwarding or Rewinding CD Tracks

While playing ▶ Press and hold the **SEEK TRACK** key (over 0.8 seconds)



This will rewind or fast-forward the track. While the **SEEK TRACK** key is being pressed, the track will rewind or fast-forward at 20x speed. Once released, the track will begin playing at normal speed.

Searching CD Tracks

Press the **▼TUNE▲** key ▶ Search tracks
▶ Once the desired track name is displayed, press the **ENTER** key



When searching tracks, the track number is displayed in blue. Pressing the **ENTER** key will play the corresponding track.

i Information

- If the **▼TUNE▲** key is not pressed within 5 seconds of searching tracks, the track info for the current track is restored.

Using the Menu Buttons

Press the **Menu** button to set the repeat, shuffle, scan and Info On/Info Off menus.



Repeat

Press the **Menu** button ▶ Press



The current track is repeated.

i Information

- Press the **Repeat** button again to turn off repeat. If nothing is selected, then all tracks will be played in sequential order.

Shuffle

Press the **Menu** button ▶ Press



Tracks within the disc are played in random order.

i Information

- Press the **Shuffle** button again to turn the shuffle option off.

Scan

Press the **Menu** button ▶ Press



The beginning (approx 10 seconds) of all tracks within the CD are scanned.

i Information

- Press the **Scan** button again to turn the scan option off.

CD Mode

Info On/Info Off

Press the **Menu** button ► Press

Info On

The amount of information displayed on the screen can be selected. The title, artist, and album info are additionally displayed and the button will automatically change to

Info Off.

Press **Info Off** to restore the previous information display setting.

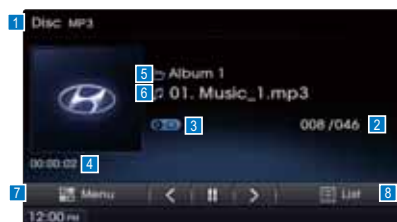
Information

- Artist/album info are supported within Text CDs.

2-22

MP3 CD Mode

Basic Mode Screen

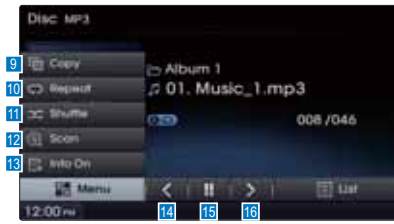


Name	Description
1 Mode	Displays currently operating mode
2 File Index	Shows the current MP3 file/total number of MP3 files
3 Repeat/Shuffle/ Nomal Play	From Repeat All/Repeat One Song/Repeat Folder/Shuffle Folder/Shuffle All/Folder Scan/Scan All, displays the currently operating function
4 Play Time	Displays the current play time
5 Folder Name	Displays Folder Name for current file
6 File Name	Displays the name of the current file
7 Menu	Displays Copy, Repeat, Shuffle, Scan and Info On (Info Off) menus
8 List	Moves to the list screen

MP3 CD Mode

MP3 CD Mode

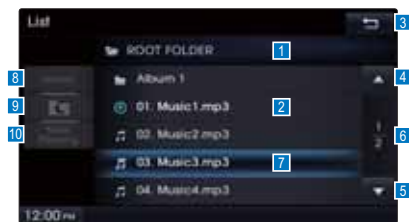
Basic Mode Screen



Name	Description
9 Copy	Copies the currently playing file into My Music
10 Repeat	Repeats the current file (each time the button is pressed, changes in order of Repeat Once → Repeat Folder → Off)
11 Shuffle	Plays files in random order (each time the button is pressed, changes option in order of Shuffle Folder → Shuffle All → Off)
12 Scan	Scans the beginning parts of MP3 files (approx. 10 seconds per file) (Each time the button is pressed, changes option in order of Folder Scan → Scan All → Off)
13 Info Off (Info On)	Changes the display method between Info Off/Info On <ul style="list-style-type: none"> Info Off : shows folder name/file name Info On : shows folder name, file name, title, artist, and album info
14 Previous file	<ul style="list-style-type: none"> When the play time is under 2 seconds : Moves to the previous file When the play time is over 2 seconds : Plays the current file from the beginning
15 Play/Pause	Plays/pauses the current file
16 Next file	Moves to the next file

2-24

List Menu Screen



Name	Description
1 Folder Name	Folder name of current list
2 Current Song	Shows current file name highlighted
3 Back button	Converts to basic mode screen
4 Previous list	Moves to the previous list
5 Next list	Moves to the next list
6 List page	Shows current file list page/total number of pages
7 List Focus	Creates focus upon operating Tune
8 Home Folder	Moves to home folder
9 Parent Folder	Moves to the parent folder
10 Now Playing	When moving to a different list screen, moves to the list page where the current file is located Becomes disabled when the current list includes the current file

MP3 CD Mode

MP3 CD Mode

Starting Mode

Press the **MEDIA** key ▶ Press **MP3**



i Information

- MP3 mode automatically starts when an MP3 disc is inserted.
- If there are numerous songs and folders within the disc, reading time could take more than 10 seconds and the list may not be displayed or song searches may not operate. Once loading is complete, try again.
- Only genuine audio CDs are supported.
- Other discs may result in recognition failure (e.g. copy CD-R, CDs with labels)

Playing MP3



- Press the **▶** button to play the file.
- Press the **||** button to pause the file.

2-26

Selecting MP3 files

Selecting from the Mode Screen

- Press the **↵** **SEEK TRACK** **↵** keys to select the previous or next file.
- Pressing and holding the **↵** **SEEK TRACK** **↵** keys will rewind or fast-forward the current file.



Using Menus within List Screen

Press the **List** button ▶ Select the file from the list



Fast-forwarding or Rewinding MP3 Files

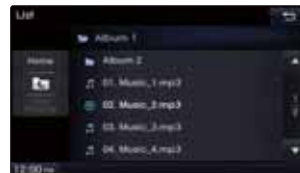
While playing ▶ Press and hold the **↵** **SEEK TRACK** **↵** key (over 0.8 seconds)

This will rewind or fast-forward the file.

While the **↵** **SEEK TRACK** **↵** key is being pressed, the file will rewind or fast-forward at 20x speed. Once released, the file will begin playing at normal speed.

Searching MP3 Files

Press the **↵** **TUNE** **↵** key ▶ Search files ▶ Once the desired file name is displayed, press the **ENTER** key



When searching files, the file number is displayed in blue. Pressing the **ENTER** key will play the corresponding file.

i Information

- If the **↵** **TUNE** **↵** key is not pressed within 5 seconds of searching files, the file info for the current track is restored.

MP3 CD Mode

MP3 CD Mode

Using the Menu Buttons

Press the **Menu** button to set the copy, repeat, shuffle, scan, and Info On/Off options.



Copy

Press the **Menu** button ► Press

Copy

The currently playing file is copied and saved in My Music

Information

- Copied and saved files can be played within My Music mode.

Repeat

Press the **Menu** button ► Press

Repeat

Each time the button is pressed, the option is changed from Repeat Once → Off.

Information

- Repeat Once : repeats the current file
- Repeat Folder : repeats all files in current folder

Shuffle

Press the **Menu** button ► Press

Shuffle

Each time the button is pressed, the option is changed from Shuffle Folder → Shuffle All → Off.

Information

- Shuffle Folder : plays files in current folder in random order.
- Shuffle All : plays all files in DISC in random order.

2-28

Scan

Press the **Menu** button ► Press

Scan

Each time the button is pressed, the option is changed from Folder Scan → Scan All → Off.

Information

- Folder Scan : scans files in current folder.
- Scan All : scans all files in the disc.

Info On/ Info Off

Press the **Menu** button ► Press

Info On

The amount of information displayed on the screen can be selected.

The title, artist, and album info are additionally displayed and the button will automatically change to **Info Off**.

Press **Info Off** to restore the previous information display setting.

Notice

- The title, artist and album info are displayed only when such information is recorded within the MP3 file ID3 tag.

MP3 CD Mode

Using Menus within List Screen

Moving between Lists

Press the **List** button ► Press the **▲** / **▼** buttons



2-30

If five (5) or more files or folders exist the same folder, in the list will be displayed across two or more pages.

Press the **▲** / **▼** cursor buttons to quickly find the desired page.

Information

- A lag may occur in displaying the previous/next list page depending on the file name or file size.

Moving between folders

Press the **Up** button ► Select folder from the folder list



Pressing the **Up** button will move to the folder one level above the current folder.

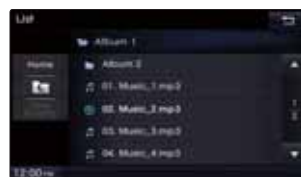
Pressing the **Home** button folder will move to the root folder.

Information

- If there are no more parent folders, both **Home** / **Up** buttons will be disabled.

Returning to current location

While searching files within other folders, press the **Now Playing** button to return to the currently playing file screen.



USB Mode

Before playing a USB MP3

Before playing a USB MP3

Connect the USB device after turning on the engine. The USB device may become damaged if it is already connected when the ignition is turned on.

- ❗ Files that are not standard format music/image files will not be played.
- ❗ For MP3/WMA files, only music files with compression rates between 8Kbps ~ 320Kbps can be played.
- ❗ Heed caution to static electricity when connecting/disconnecting external USB devices.
- ❗ Encoded MP3 Players will not be recognized when connected as an external device.
- ❗ When connecting an external USB device, the device may not properly recognize the USB in some states.
- ❗ Only products formatted with byte/sectors under 64Kbyte will be recognized.

2-32

- ❗ This device recognizes USB devices formatted in FAT 12/16/32 file formats. This device does not recognize files in NTFS file format.
- ❗ Some USB devices may not be supported due to compatibility issues.
- ❗ Avoid contact between the USB connector with bodily parts/foreign objects.
- ❗ Repeated connecting/disconnecting of USB devices within short periods of time may result in product malfunction.
- ❗ Make sure to connect/disconnect external USB devices with the audio power turned off.
- ❗ 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 required time are not indications of malfunction.
- ❗ The use of USB devices for purposes other than playing music and image files is prohibited.

- ❗ Do not use the USB I/F to charge batteries or USB accessories that generate heat. Such acts may lead to worsened 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 with the multimedia terminal of the vehicle.
- ❗ When using mass storage USB devices with separate logical drives, only files saved to the root drive can be played. When application programs are installed to specific USBs, files may not properly play.
- ❗ The device may not operate normally if MP3 Players, cellular phones, digital cameras, or other electronic devices (USB devices not recognized as portable disk drives) are connected with the device.
- ❗ Charging through the USB may not work for some mobile devices.
- ❗ The device may not support normal operation when using a USB memory type besides Metal Cover Type USB Memory.
- ❗ The device may not support normal operation when using formats such as HDD Type, CF, or SD Memory.
- ❗ Upon playing iPods, please use a dedicated iPod® car cable.
- ❗ Normal operations cannot be guaranteed when other cables are being used.
- ❗ The device will not support files locked by DRM (Digital Rights Management.)
- ❗ USB memory sticks used by connecting an Adaptor (SD Type or CF Type) may not be properly recognized.
- ❗ Only use Plug type connector products, as shown in the figure below.



USB Mode

USB Mode

Product Name	Manufacturer
XTICK	LG
BMK	BMK Technology
SKY-DRV	Sky Digital
TRANSCEND JetFlash	Transcend
Sandisk Cruzer	SanDisk
Micro ZyRUS	ZyRUS
NEXTIK	Digiworks

i Information

- Problems that occur through use of USB devices not listed within the above table are not covered by the product warranty.

USB MP3 Information and Precautions

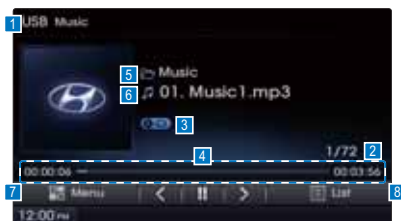
Name	Description
MP3 File Specification	Specification : MPEG1 AUDIO LAYER 3
Recommended bit rates and sampling frequency	Acceptable sampling frequency : 32, 44.1, 48 (KHz) Acceptable bit rate : 32, 40, 48, 56, 64, 80, 96, 112, 128, 160, 192, 224, 256, 320 (Kbps) 96, 128, 192 Kbps fixed bit rate/44.1KHz
ID3 tag	Supports ID3v1.0 and ID3v1.1, ID3v2.2, ID3v2.3, ID3v2.4 ID3 tags
Detailed Specifications	Maximum directory layers : 20 layers Maximum length of folder name/file name: 255Bytes 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) Maximum number of files which can be stored onto one USB : 8000

i Information

- In cases that are not fixed bit rates, the play time may not be properly displayed.

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Basic Mode Screen

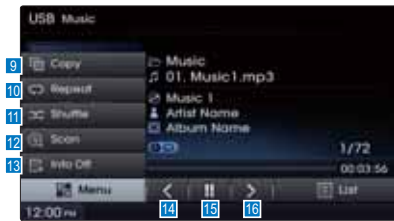


Name	Description
1 Mode	Displays currently operating mode
2 File Index	Shows the current file/total files within the USB
3 Repeat/ Shuffle/Scan	From Repeat All/Repeat One Song/Repeat Folder/Shuffle Folder/Shuffle All/Folder Scan/Scan All, displays the currently operating function
4 Play Time	Displays the current play time/total play time
5 Folder Name	Displays folder Displays the name of the current file
6 File Name	Displays the name of the current file
7 Menu	Displays Copy, Repeat, Shuffle, Scan and Info On (Info Off) menus
8 List	Moves to the list screen

USB Mode

USB Mode

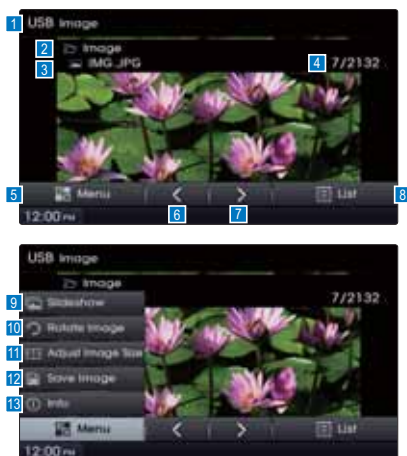
USB Mode



Name	Description
9 Copy	Copies the currently playing file into My Music
10 Repeat	Repeats the current file (each time the button is pressed, changes in order of Repeat Once → Repeat Folder → Off)
11 Shuffle	Plays files in random order (each time the button is pressed, changes option in order of Shuffle Folder → Shuffle All → Off)
12 Scan	<ul style="list-style-type: none"> Scans the beginning parts of USB files (approx. 10 seconds per file) Each time the button is pressed, changes option in order of Folder Scan → Scan All → Off)
13 Info Off (Info On)	<ul style="list-style-type: none"> Info Off : shows folder name/file name Info On : shows folder name, file name, title, artist, and album info
14 Previous File	<ul style="list-style-type: none"> When the play time is under 2 seconds : Moves to the previous file When the play time is over 2 seconds : Plays the current file from the beginning
15 Play/Pause	Plays/pauses the current file
16 Next File	Moves to the next file

2-36

USB Image Mode

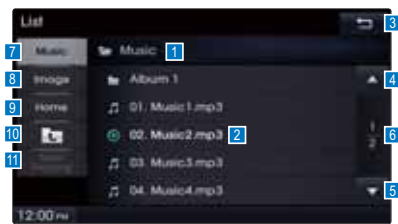


Name	Description
1 Mode	Displays currently operating mode
2 Folder Name	Displays folder name where image is located
3 File Name	Name of image file
4 File Index	Shows the current image file/total image files within the USB
5 Menu	Displays Slideshow, Rotate Image, Adjust Image Size, Save Image, and Info menus (Press the button again to hide the buttons)
6 Previous Image	Shows previous image
7 Next Image	Shows next image
8 List	Moves to the list screen
9 Slideshow	View images as slideshow in 5, 10, 20, 30 second intervals
10 Rotate Image	Rotate image in clockwise direction
11 Adjust Image Size	Enlarge/reduce (zoom-in/zoom-out) image size
12 Save Image	Add image as frame screen displayed when the system power is turned off
13 Info	Shows the file name, resolution and file type of current image

USB Mode

USB Mode

Menu List Screen



Name	Description
1 Folder Name	Folder name of current list
2 Current Song	Shows current file name highlighted
3 Back button	Converts to basic mode screen
4 Previous list	Moves to the previous list
5 Next list	Moves to the next list
6 List page	Shows current file list page/total number of pages
7 Music	Shows the Music list (Disabled when Music list does not exist)
8 Image	Shows the Image list (Disabled when Image list does not exist)
9 Home Folder	Moves to home folder
10 Parent Folder	Moves to the parent folder
11 Now Playing	When moving to a different list screen, moves to the list page where the current file is located (Becomes disabled when the current list includes the current file)

2-38

Starting USB Music Mode

Press the **MEDIA** key ► Press

USB Music



If the USB is not connected, then the USB Music button will be disabled.

Information

- Once a USB is connected, USB Music mode will operate automatically.
- If a previously played USB is reconnected, then the song after the most recently played song is played. However, if a different USB is connected or the file information within the USB was changed, then the USB file order information is deleted and will start playing from the first song within the USB.

Playing USB Music



- Press the button to play the USB Music.
- Press the button to pause USB Music.

USB Mode

USB Mode

Searching USB Music Files

While Playing ▶ Press the **<**, **>** buttons or the **SEEK TRACK** key to play the previous/next file.



- Pressing and holding the **SEEK TRACK** keys (over 0.8 seconds) will rewind or fast-forward the current file.
- While the **SEEK TRACK** key is being pressed, the track will rewind or fast-forward at high speeds. Once the key is released, the USB Music will begin playing at normal speed.

Information

- The **<**, **>** buttons displayed on the screen allow you to select the previous/next file. These buttons will not rewind or fast-forward the file.

Using the Menu Buttons

Press the **Menu** button to set the Copy, Repeat, Shuffle, Scan, Info On (Info Off) menus.



Copy

Press the **Menu** button ▶ Press

Copy

The currently playing file is copied and saved in My Music.

2-40

Information

- Copied and saved files can be played within My Music mode.

Repeat

Press the **Menu** button ▶ Press

Repeat

Each time the button is pressed, the option is changed from Repeat Once → Off.

Information

- Repeat Once : repeats the current file
- Repeat Folder : repeats all files in current folder

Shuffle

Press the **Menu** button ▶ Press

Shuffle

Each time the button is pressed, the option is changed from Shuffle Folder → Shuffle All → Off.

Information

- Shuffle Folder : Plays files within the current folder in random order.
- Shuffle All : Plays files within the USB in random order.

Scan

Press the **Menu** button ▶ Press

Scan

Each time the button is pressed, the option is changed from Folder Scan → Scan All → Off.

Information

- Folder Scan : Searches files within the current folder.
- Scan All : Scans files within the USB in random order.

USB Mode

USB Mode

Info On/ Info Off

Press the **Menu** button ► Press **Info On**

The screen display can be set differently depending on user selection.

The title, artist, and album info are additionally displayed and the button is changed to **Info Off**.

Press **Info Off** to restore the previous information display setting.

i Information

- The title, artist and album info are displayed only when such information is recorded within the MP3 file ID3 tag.

Starting USB Image Mode

Press the **MEDIA** key ► Press **USB Image**



Searching USB Image Files

While playing ► Press the **<**, **>** buttons to view the previous/next image



i Information

- Press the **List** button to view the list of USB images.

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Using the Menu Buttons

Press the **Menu** button to set the Slideshow, Rotate Image, Adjust Image Size, Save Image and Info menus.



Slideshow Interval

Press the **Menu** button ► Press **Slideshow**



Image slideshow intervals can be set at **5sec**, **10sec**, **20sec**, or **30sec** intervals.

Rotating Image

Press the **Menu** button ► Press **Rotate Image** ► Press **Done**



Each time the **Rotate** button is pressed, the image is rotated from $0^\circ \rightarrow 90^\circ \rightarrow 180^\circ \rightarrow 270^\circ$ degrees.

i Information

- Rotated images are not saved.
- The image will restore its original angle when returning to it after viewing a different image.

USB Mode

USB Mode

Adjusting Image Size

Press the **Menu** button ► Press

Adjust Image Size ► Press **Done**



Press the **-** **+** buttons to enlarge or reduce the image size. The scale can be changed from 1/4, 1/2, 1x, 2x, to 4x.

Information

- Enlarged or reduced images are not Saved. The image will restore its original size when returning to it after viewing a different image.
- If the image cannot be fully displayed on the screen, touch the image to move the screen.

Saving Image

Press the **Menu** button ► Press

Save Image

Information

- For details on using the picture frame, refer to the Picture Frame Settings within Setup.

Viewing Info

Press the **Menu** button ► Press

Info

This menu is used to check image information, such as the image resolution and file type.

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iPod® Mode

Using iPod® Devices

■ iPod® is a registered trademark of Apple Inc.

■ iPod® mode will not operate if the connected iPod® cannot be recognized due to operation of unsupported versions that do not support related protocols, iPod® abnormalities, or iPod® device defects. Some iPods with unsupported communication protocols may not properly operate in the Navigation system.

■ For fifth generation iPod® Nano devices, the iPod® may not be recognized when the battery level is low. Please charge the iPod® for use.

■ Search/play orders shown within the iPod® device may differ with the orders shown within the Navigation system.

■ If the iPod® malfunctions due to an iPod® device defect, reset the iPod® and try again. (To learn more, refer to your iPod® manual)

■ For some iPod® Touch and iPhone devices, connecting Bluetooth® while the iPod® is operating may result in discontinued iPod® sound. When such devices with Bluetooth® support is connected, this problem occurs as the sound source is changed from the Dock Connector (USB connector cable) to Bluebird (Bluetooth® Module).

■ To listen to the iPod® sound, re-connect the USB cable or exit then re-enter iPod® mode.

■ In order to use the iPod® while operating the keys, you must use a dedicated iPod® cable. (the cable that is supplied when purchasing iPod®/iPhone products) During ACC ON state, connecting the iPod® through the iPod cable (the cable that is supplied when purchasing iPod®/iPhone products), will charge the iPod® through the head unit.
※ The use of genuine iPod® cables supplied by Apple is recommended. (The use of other products may result in noise or abnormal operation)

■ When connecting with the iPod® cable, make sure to fully insert the jack to prevent communication interference. If the iPod® is connected to the vehicle while it is playing, a high pitch tone may sound for about 1~2 seconds immediately after connection. If possible, connect the iPod® to the vehicle with the iPod® stopped/paused.

■ Within iPhones, streaming audio and iPod® control may occasionally conflict. If problems persist, remove the iPhone and connect again.

iPod® Mode

iPod® Mode

Some iPod® versions may not sync with the system. then the system may not properly restore the previously operated mode. (For iPads, battery charging is not supported.)

Applications that are not exclusively used as iPod® Applications within iPhone/iPod® Touch devices are not supported.

Steps upon Initial Connection

Search Steps may differ depending on the type of iPod® device.

	1 Step	2 Step	3 Step	4 Step	5 Step
Play List	Play List	Play List name (category is same as iPod®)			
Artist	Artist	Artist	Album Name	Song Name	
Album	Album	Album Name	Song Name		
Genre	Genre	Genre Name	Artist Name	Album Name	Song Name
Song	Song	Song Name			
Composer	Composer	Composer Name	Album Name	Song Name	

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Supported iPod® Devices

- Operation is supported and Apple Inc. certified : ○
- Operation is supported but uncertified : △

Device/ Generation	1st	2st	3st	4st	5st	6st
iPod® Mini	Not Supported					
iPod® Shuffle	○	○	○	○	○	○
iPod® Nano	○	○	○	○	○	○
iPod® Touch	○	○	○	○	Not Released	
iPod® Classic	○	Not Released				
iPod® With video	○	Not Released				
iPad	△	△	Not Released			

Device/Type	3GS	4G	4S
iPhone	Not Released	○	△

Basic Mode Screen



Name	Description
1 Mode	Displays currently operating mode
2 File Index	Shows the current file/total files within the iPod®
3 Repeat/Shuffle	From Repeat Once/Shuffle Category/Shuffle Random, displays the currently operating function
4 Play Time	Displays the current play time/total play time
5 Title	Displays name of current title
6 Artist Info	Artist name
7 Album Info	Album name
8 Menu	Displays Repeat, Shuffle, and Info On (Info Off) menus
9 Previous File	Moves to the previous file
10 Play/Pause	Plays/pauses the current file
11 Next File	Moves to the next file
12 List	Moves to the list screen
13 Repeat	Repeats the currently playing file.
14 Shuffle	Plays files in random order (each time the button is pressed, changes option in order of Shuffle Category → Shuffle Album → Off)
15 Info Off (Info on)	Changes the display method between Info Off/Info On • Info Off : Shows title, artist, and album Info • Info On : Shows title, artist, album, genre, and composer info

iPod® Mode

iPod® Mode

Starting Mode

Press the **MEDIA** key ▶ Press



If the iPod® is not connected, then the **iPod** button will be disabled.

i Information

- Once an iPod® is connected, iPod® mode will operate automatically.

NOTICE

- Some iPods with unsupported communication protocols may not properly operate in the Navigation system.

Playing iPod®



- Press the **▶** button to play the iPod®.
- Press the **||** button to pause the iPod®.

Searching iPod®

Press the **List** button to display the initial iPod® list screen.



When searching an iPod®, it is possible to search by playlists, artists, albums, songs, genres, composers, audiobooks, and Podcasts.

2-48

i Information

- If the search mode is accessed while playing a song, the most recently searched step is displayed.
- Search steps upon initial connection may differ depending on the type of iPod® device.

Selecting iPod® File

While playing ▶ Press the **<**, **>** buttons or the **SEEK TRACK** key to play the previous/next file



Pressing and holding the **SEEK TRACK** keys (over 0.8 seconds) will rewind or fast-forward the current song.

Searching iPod Files

Press the **TUNE** key ▶ Search files ▶ Once the desired file name is displayed, press the **ENTER** key



When searching files, the file number is displayed in blue. Pressing the **ENTER** key will play the corresponding file.

i Information

- If the **TUNE** key is not pressed within 5 seconds of searching files, the file info for the current track is restored.

iPod® Mode

iPod® Mode

Using the Menu Buttons

Press the **Menu** button ► Press Repeat, Shuffle, and Info On (Info Off) menus.



Repeat

Press the **Menu** button ► Press



Information

- The currently playing file is repeated.
- Press the **Repeat** button again to turn off repeat.

Shuffle

Press the **Menu** button ► Press



Information

- Each time the **Shuffle** button is pressed, the option is changed from Shuffle Category → Shuffle Album → Off.
- Shuffle Category : Plays files within the current category in random order.
- Shuffle Album : Plays files within the current category in random order.

Info On/Info Off

Press the **Menu** button ► Press



The screen display can be set differently depending on user selection.

The title, artist, and album info are additionally displayed and the button is changed to



Press **Info Off** to restore the previous display setting.

2-50

AUX Mode

Starting Mode

Press the **MEDIA** key ► Press



Information

- If an external device connector is connected with the AUX terminal, then AUX mode will automatically operate. Once the connector is disconnected, the previous mode will be restored.
- AUX mode can be used only when an external audio player (camcorder, car VCR, etc.) has been connected.
- The AUX volume can be controlled separately from other AV modes.

NOTICE

- Connecting a connector jack to the AUX terminal without an external device will convert the system to AUX mode, but only output noise. When an external device is not being used, also remove the connector jack.
- When the external device power is connected to the power jack, playing the external device may output noise. In such cases, disconnect the power connection before use.

Connecting an External Device



AUX Mode

External AUDIO players can be played through a dedicated cable. The position of the AUX jack is at the top of the gear box located between the driver and passenger seats.

Bluetooth® Audio Mode

Basic Mode Screen



Name	Description
1 Mode	Displays currently playing mode
2 Phone Name	Displays name of connected phone
3 Title	Name of current song
4 Artist Info	Name of current artist
5 Play	Plays Bluetooth® Audio
6 Pause	Pauses Bluetooth® Audio
7 Connections	Displays the Connections screen

Information

- The title/artist info may not be supported in some mobile phones. When not supported, a symbol will be displayed.
- The play/pause feature may operate differently depending on the mobile phone.

2-52

Using Bluetooth® Audio

- Bluetooth® Audio Mode can be used only when a Bluetooth® phone has been connected.
- While Bluetooth® Audio is playing, if the Bluetooth® phone is connected, then the music will also stop.
- Bluetooth® streaming audio may not be supported in some mobile phones.

Starting Mode

Press the **MEDIA** key ▶ Press

Bluetooth Audio



Information

- If the Bluetooth® device is not connected, then the **Bluetooth Audio** button will be disabled.

Playing Bluetooth® Audio



Bluetooth® Audio Mode

- Press the **▶** button to play files saved within the Bluetooth® phone.
- Press the **⏸** button to pause the file.

Information

- If the Bluetooth® audio does not play, **SETUP** ▶ **Bluetooth** ▶ **Streaming Audio Setting** ▶ If the option is set to **Off** change to **On** and try again.

Bluetooth® Audio Mode

Selecting Bluetooth® Audio

While playing ▶ Press the **SEEK TRACK** key
▶ Select the previous/next file

i Information

- The title/artist info may not be supported in some mobile phones. When not supported, a symbol will be displayed.
- The play/pause feature may operate differently depending on the mobile phone.

Setting Connection

Press the **Connections** button to add a new Bluetooth® phone, connect/disconnect, delete, delete all, or view the Help section.



Name	Description
1 Help	Displays Bluetooth® Help screen
2 Add New	Pair a new Bluetooth® device
3 Connect/Disconnect	Connect or disconnect a Bluetooth® device
4 Delete	Delete a paired Bluetooth® device
5 Delete All	Delete all paired Bluetooth® devices
6 Auto Connection	Set Bluetooth® phone Auto Connection upon starting car ignition

i Information

- If music is not yet playing from your mobile device after converting to streaming audio (Bluetooth® Audio) mode, pressing the **▶** button once may begin mode play. Check to see whether music is playing from the Bluetooth® device after converting to streaming audio mode. The Streaming audio feature may not be supported in some mobile phones.
- For more information on mobile phone compatibility, visit the Hyundai Motor website (<http://www.hyundaiusa.com>).

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My Music Mode

Basic Mode Screen



Name	Description
1 Mode	Displays currently operating mode
2 File Index	Shows the current file/total files within the iPod®
3 Repeat/Shuffle/Scan	From Repeat Once/Shuffle Category/Shuffle Random, displays the currently operating function
4 Play Time	Displays the current play time/total play time
5 File	Displays the name of the current file
6 Menu	Displays Repeat, Shuffle, Scan and Info On (Info Off) menus
7 Repeat	Repeats the current file
8 Shuffle	Plays files in random order
9 Scan	Scans the beginning parts of files (approx. 10 seconds per file)
10 Info Off (Info on)	Changes the display method between Info Off/Info On • Info Off : shows file name • Info On : shows file name, title, artist, and album info
11 Previous File	When the play time is under 2 seconds : Moves to the previous file When the play time is over 2 seconds : Plays the current file from the beginning
12 Play/Pause	Plays/pauses the current file
13 Next File	Moves to the next file
14 List	Moves to the list screen
15 Title Info	Displays the song title (Not displayed when information is not available)
16 Artist Info	Displays the artist information (Not displayed when information is not available)
17 Album Info	Displays the album information (Not displayed when information is not available)

My Music Mode

My Music Mode

Starting Mode

Press the **MEDIA** key ▶ Press

My Music



Playing My Music



- Press the **▶** button to play the file.
- Press the **⏸** button to pause the file.

Selecting My Music

While playing ▶ Press the **<**, **>** buttons or the **SEEK TRACK** key to play the previous/next file



- Pressing and holding the **SEEK TRACK** keys (over 0.8 seconds) will rewind or fast-forward the current file.
- While the **SEEK TRACK** key is being pressed, the track will rewind or fast-forward at high speeds. Once the key is released, the USB Music will begin playing at normal speed.

2-56

Information

- The **<**, **>** buttons displayed on the screen allow you to select the previous/next file.
- These buttons will not rewind or fast-forward the file.

Using the Menu Buttons

Press the **Menu** button to set the Repeat, Shuffle, Scan, Info On (Info Off) menus.



Repeat

Press the **Menu** button ▶ Press

Repeat

The currently playing file is repeated.

Information

- Press the **Repeat** button again to turn off repeat. If nothing is selected, then all files will be played in sequential order.

Shuffle

Press the **Menu** button ▶ Press

Shuffle

When turned on, files are played in random order.

Information

- Press the **Shuffle** button again to turn the shuffle option off.

Scan

Press the **Menu** button ▶ Press

Scan

The beginning (approx 10 seconds) of all files are scanned.

Information

- Press the **Scan** button again to turn the scan option off.

My Music Mode

My Music Mode

Info On/Info Off

Press the **Menu** button ▶ Press

Info On

The screen display can be set differently depending on user selection.

The title, artist, and album info are additionally displayed and the button is changed to **Info Off**

Press **Info Off**

to restore the previous information display setting.

Information

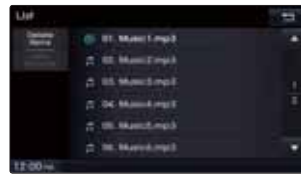
- The title, artist and album info are displayed only when such information is recorded within the MP3 file ID3 tag.

Using Menus within List Screen

Moving between Lists

Press the **List** button ▶ Press

▲ ▼



If six (6) or more files or folders exist the same folder, in the list will be displayed across two or more pages.

Press the **▲ ▼** cursor buttons to quickly find the desired page.

2-58

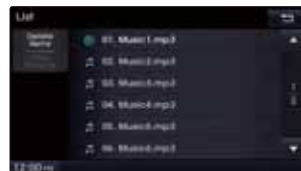
Returning to Current Location

While searching files within other folders, press the **Now Playing** button to return to the currently playing file screen.



Deleting Files

Press the **List** button ▶ Select the files to delete ▶ Press **Delete Items**



Information

- The audio system will not operate while files are being deleted.
- If the currently playing file is deleted, the next file will begin playing.

My Music Mode

MEMO

2-60



3 Navigation






- Before Use
- Starting Navigation
- Using the Navigation
- Map Landmarks and Logos

CAR AVN SYSTEM

Before Use








Precautions for safe driving

Please observe and comply with local traffic rules and regulations.

-  Some features cannot be operated while driving for your safety. Features that cannot be operated will be disabled.
-  The route displayed for destination guidance is a reference that will take you to the vicinity of your destination. This does not always refer to the shortest distance route, route with the least traffic or the fastest route.
-  Road, name, and POI information may not always be completely updated. Some places may not include up to date information.
-  The car position mark does not always indicate your exact location. This system uses GPS information, various sensors, and road map data to display the current position. However, errors in displaying your location may occur if the satellite is transmitting inaccurate signals or two or less satellite signals can be received. Errors that occur in such conditions cannot be corrected.
-  The position of the vehicle within the navigation may differ from your actual location depending on various reasons, including the satellite transmission state, vehicle state (driving location and conditions), etc. Additionally, the car position mark may differ from the actual position if the map data is different from the actual road landscape, such as changes due to the construction of new roads. 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)

3-2

Operating the Navigation

-  The navigation can be operated via touch. Touch the corresponding button on the screen to operate.
-  If the button does not respond, take your finger off the screen and try again.
-  When a button function is operating, the color of the selected button will be displayed differently.
-  To return to the previous screen, press the  button
-  Press the  button to cancel functions that can operate on the current screen. (Some functions may not be canceled.)

Information

- Buttons that cannot be operated will be disabled.

Before Use

Before Use

About the Map

Some roads, site names and facility information may have changed after map data update and may differ with actual road conditions.

About Map Scale

- If **100m** is displayed on the left side of the map, this represents a map scale of 1/10,000.
- For more information on Changing Map Scale, refer to the 'Changing Map Scale' section.



3-4

Actual Distance		
Level	mi/ft	km / m
1	150ft	50m
2	300ft	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	50km
12	64 mi	100 km
13	130 mi	200 km
14	250 mi	400 km

About Map Icons

Icons displayed on the map may differ from actual conditions. Multiple icons may also be displayed as one mark.

About Map Database

Unlicensed map copying in any form, in full or in part, is strictly prohibited.

About Map Updates

- Map updates can be downloaded from the designated website (<http://www.hyundaiusa.com>) and updated through the SD card.
- For more information, refer to the 'System Update' section in Setup.

About Voice Recognition

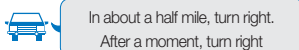
During destination guidance, voice guidance will be provided when reaching an intersection or you are nearby the destination.

Voice Guidance

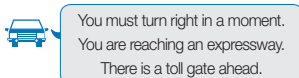
Voice guidance is provided in the following instances.

Example of voice guidance during destination guidance

- In front of an intersection:



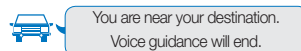
- Upon entering a toll road



* Please use voice guidance only as a reference to assist in your driving.

Example of voice guidance when arriving at the destination

- In front of the destination :



Information

- The above voice guidance examples are normal cases. However, the actual voice guidance may differ depending on the road type.
- If the car position is not accurately measured, then voice guidance may not be given, or may be given later or improperly.
- It is possible to adjust the Navigation guidance volume.

Guidance when using other modes

- Voice guidance will continue even when converting from the navigation screen to a different mode screen.

Information

- Even when voice guidance has been muted, destination guidance will continued to be provided.

Before Use

Before Use

About GPS

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, Coordinates, etc.) by generally using 4 or more satellites. This system is used with related GPS information, various sensors, road map data, and other related information for the purposes of navigation. For more information on GPS, refer to Part 5 'GPS Information'.

3-6

Starting Navigation

Map Screen



Name	Description
1 Car Direction	Used to set split map and shows map display mode and GPS status
2 Map Scale	Shows current map scale
3 Navigation Guidance Volume	Used to adjust navigation guidance volume
4 Function/Info Window	Shows map function buttons or current position info
5 Current Position Info Window	Shows current road name and destination name in 5 second intervals
6 Route Guidance Mode Conversion	Switches route guidance mode between preliminary guidance mode, motorway mode and TBT mode
7 Quick Menu	Allows users to easily and quickly access desired menus
8 Current Time	Shows the time
9 ETA/Remaining Time	Shows the ETA (Estimated time of arrival), remaining time and distance from current position to the destination
10 Preliminary Guidance	Provides distance, direction guidance at turn points and directions within the set route
11 Destination Direction	Shows recommended lanes for use by considering upcoming intersections and expected routes
12 Lane Info	Shows recommended lanes for use by considering upcoming intersections and expected routes
13 Car Position Mark	Displays current car position

Starting Navigation

Starting Navigation

Initial Screen



Press the **Agree** button to display the most recently used mode.

If Audio mode is used with the navigation turned on, navigation guidance will be provided in the background. If you turn the ignition on, then the most recently played mode will restart.

Information

- Once the vehicle ignition is turned on, the User Warning screen will always be displayed. Make sure to carefully read the warning page as it contains important information related to system operations while driving.

3-8

Current Position



Press the **MAP VOICE** key or the **MAP** button displayed at the upper right side in some map conditions to display the map of the current position and the neighboring area.

Information

- When riding in a new car or after replacing the battery terminal, the car position mark may at first appear at a different location.
- Even if the car position mark on the map is different, map matching and GPS coordinates are utilized to automatically update the current position. It may take up to several minutes to find your current position.

Map Display Settings

Press the **MAP VOICE** key ▶ Press the



This button is used to set map screen related options, such as Split screen, Heading-Up/North Up, and Left/Right screen display.

Name	Description
1 Split Screen/Single Screen	Select between Split Screen or Single Screen Map.
2 Heading-Up/North-Up	Display Map in Vehicle Traveling Direction (Heading-Up) or North-Up direction

Information

- The Heading-Up/North-Up, 2D/3D, and map scale adjustments can be used when using Split Screen map.

Changing Map Scale

Press the **MAP VOICE** key ▶ Press **100m** ▶ Set the desired map scale



Press the **100m** button to display the map scale menu and change the map to the desired scale.

Name	Description
1 Adjust Map Scale	Use the + / - buttons to display the scale bar
2 Administrative District Scale	Shows map scales in categories of detail (300ft), Near (0.25mi), Street (1mi), City (4mi), State (16mi)
3 Auto Scale	When Auto is enabled, automatically adjust map scale according to driving situation

Information

- The **+** will be disabled when set to max scale (1/250mi) and the **-** button will be disabled when set to min scale (1/150ft).

Starting Navigation

Map Menu

Press the **Menu** button ► Press the **Menu** button



Features frequently used within the map screen, such as **Set as Destination**, **Add Waypoint**, **View Destination**, **Cancel Route**, **Call** are displayed.

Information

- If the screen is scrolled, then the top menu is changed to the **Set as Destination** button.

Adjusting Navigation Volume

Press the **Menu** button ► Press **Volume** ► Adjust volume

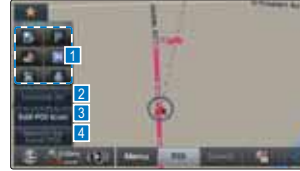


Press the **Menu** button and then the **Volume** button. The volume menu is displayed and allows you to adjust the navigation voice guidance volume.

The volume can be adjusted from 0-45 through the **+** / **-** button. Press the **Mute** button to turn off the sound.

POI Display

Press the **Menu** button ► Press **POI**



When POI menus are displayed, pressing one of the 6 POI icon buttons will display the corresponding POI icons.

Name	Description
1 POI Icon	Shows/hides corresponding POIs
2 Unmark All	Unmarks selected POI icons
3 Edit POI Icon	Edit the 6 POI icons shown within the menu
4 Search by local POI	Searches selected POI

3-10

Editing POI Icons

Press the **Edit POI Icon** button ► Press the **POI** ► Press **Done**

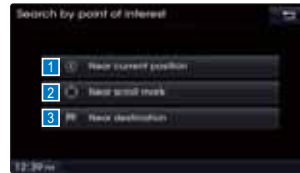


Press the **Edit POI Icon** button to select the desired facility from the various facility types. Up to six favorite facilities can be set. Press the **Default** button to reset the displayed POI icons.

Initially, Gas Station, Parking, Fast Food, Hospital, Auto Service, and Bank are set as default.

Searching POIs

Press the **Search by local POI** button ► Press the search criteria (Near current position, Near scroll mark, Near destination)



The POI mark is displayed according to the selected criteria.

Starting Navigation


Starting Navigation

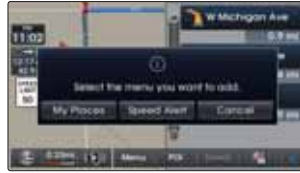
Name	Description
1 Near Current Position	Within the 'Search by POI' menu, searches facilities based on the current vehicle position
2 Near Scroll Mark	Within the 'Search by POI' menu, searches facilities based on the current scrolled position
3 Near Destination	Within the 'Search by POI' menu, searches facilities based on the location of the destination

i Information

- When searching POIs, you can only search POIs within selected categories.
- The **Near scroll mark** menu is enabled only when the map has been scrolled.

Adding a My Place

Press the  button ▶ Press the desired group



This feature is used to save the current position or the scrolled position as a My Place or Speed Alert.

i Information

- My Places are saved without distinction for the driving or scrolled state.
- The Speed Alert button is displayed when a point is saved with the speed limit of the road while driving on the road.

3-12

Using the Navigation

Destination Search

Press the **DEST** key to display the Destination Search menu screen.



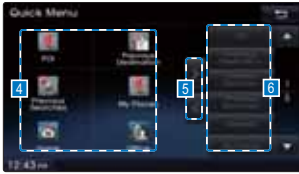
The Destination Search screen includes various search menus as well as shortcuts to Favorites that provide maximum convenience in searching for destinations.

Name	Description
1 Point of Interest	Used to search for neighboring POIs near current position/near scroll position/near destination/near city center
2 Previous Destination	Used for route guidance to recently set destinations
3 Previous Searches	Used for route guidance to recently searched Locations
4 Previous Start Point	Used for route guidance to recent start positions
5 Address	Used to search destinations by selecting specific states/cities/roads
6 My Place	Display list of saved My Places
7 Intersection Search	Used to search destinations by selecting streets/intersections
8 Map	Moves to the map screen
9 Emergency	Used to make emergency related searches
10 Coordinates	Used to search destinations by entering the Coordinates
11 Phone Number	Used to search destinations by entering POI phone numbers
12 Exit/Entrance	Used to search destinations by searching for expressway exits/entrances

Using the Navigation

Using the Navigation

Quick Menu



Press the button on the left side of the map screen to display the Quick Menu.

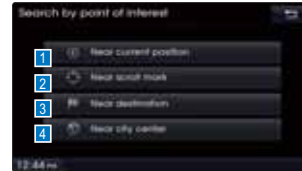
Name	Description
1 Quick Menu (★)	Display/hide Quick Menu
2 Quick Menu Bar	Menus added to the Quick Menu (possible to set up to 6 menus)
3 Edit	Add/Delete Quick Menus
4 Current Quick Menu	Shows list of current Quick Menu
5 Add/Remove	Add or remove Quick Menus
6 Quick Menu Categories	List of categories that can be added to Quick Menu

Point of Interest (POI) Search

Press the **DEST** key ► Press **POI**



Name	Description
1 Category	Search for POIs by selecting through POI categories
2 ZAGAT Restaurant Guide	Search for ZAGAT restaurant guide POIs from among POIs within the vicinity
3 Name	Search POIs by name



3-14

POI Search is a feature that allows you to search for POIs that are near your current position, near a scroll mark, near the destination, or near the city center.

Categories are sub-categorized and the selected area and category are displayed at the top of the screen for user convenience.

Name	Description
1 Near Current Position	Searches POIs based on the current vehicle position
2 Near Scroll Mark	Searches POIs based on the current map scroll position
3 Near Destination	Searches POIs nearby the set destination (feature is disabled when a destination has not been set)
4 Near City Center	Searches POIs nearby a selected area

Information

- The searched location may not be the exact location of a specific destination, but display a representative position of a POI address.

Previous Destination, Previous Searches, Previous Start Point

Press the **DEST** key ► Press

Previous Destination



Press the **DEST** key ► Press

Previous Searches



Press the **DEST** key ► Press

Previous Start Point



These search features allow you to search previous routes, previous searches and start points.

Name	Description
1 By Date	Sorts POIs and locations by added date
2 By Name	Sorts POIs and locations by name
3 Delete Items	From various entries, items can be selected and deleted all at once.

Using the Navigation

Using the Navigation

Information

- If the POI or region name is too long and cannot be displayed within one screen, pressing the **>** button will move the name to the left to display the full name.

Address

Press the **DEST** key ► Press **Address**



This search feature is used to search destinations by addresses through state city/street.

Enter the name of the Street, City and State corresponding to the desired destination. Once search is complete, press the **Search** button to select the desired location from the list.

3-16

My Places



This search feature is used to search destinations by selecting previously saved My Places to set as destinations. My Places can be placed in groups, and group names can be edited within Setup.

Name	Description
1 By Name	Sort POIs and locations by name
2 By Symbol	Sort POIs and locations by symbol
3 By Date	Sort POIs and locations by date

Information

- If the POI or region name is too long and cannot be displayed within one screen, pressing the **>** button will move the name to the left.
- It is possible to save up to 100 My Places per Group.

Intersection Search



This search feature is used to search destinations by streets and intersections through state/city/state.

Enter the name of the Street, City and State corresponding to the desired destination. Once search is complete, press the **Search** button to select the desired location from the list.

Map



The map screen can be scrolled to display other positions where you can set destinations.

Name	Description
1 Set as Destination	Sets the POI or region where the cursor is positioned as the new destination
2 Add Waypoint	Sets the POI or region where the cursor is positioned as a waypoint
3 View Destination	Displays information for the set destination
4 Cancel Route	Cancel the currently set route
5 Call	Calls the selected POI facility
6 Details	Displays details for the selected POI facility

Emergency



This search feature is used to search for police stations, hospitals, and dealerships in emergency situations.

Name	Description
1 Police Station	Displays list of Police Stations closest from the current position
2 Hospital	Displays list of Hospitals closest from the current position
3 Dealership	Displays list of Hyundai Motor Dealerships closest from the current position

Using the Navigation

Using the Navigation

Coordinates



This search feature is used to search destinations by entering coordinates. Two coordinate entry formats are supported. Select the desired format upon starting search.

Phone Number Search



This search feature is used to search the locations of POIs by entering the phone number of the desired POI destination.

- Area codes must be entered to complete the search.

Information

- The phone number and location may differ for some POIs. In addition, the following types of facilities may be more frequently located in other locations.
- Locations of department stores, museums, and amusement parks may somewhat differ from the set destination. Check the exact address when trying to reach such destinations.
- Within general information newspapers, there are cases when phone numbers of concert halls actually list the numbers of management companies. In such cases, destination searches will be made to the management companies.
- The telephone number and addresses may change at any time.

3-18

Exit/Entrance



destinations by entering the Exits and Entrances of corresponding expressways.

Enter the name of the Freeway corresponding to the desired destination. Once search is complete, press the **Search** button to select the desired location from the list.

Setting a Destination

Press the **DEST** key ▶ Search for the Destination ▶ Press **Set as Destination**



(Alternative Route)



(Route Overview)

Using the Navigation

Using the Navigation

- Conducting a destination search through the desired search method, select the desired destination from the list. (For more information on destination search methods, refer to the 'Destination Search' section.)
- After verifying the location of the searched destination, press the **Set as Destination** button to calculate the route. The Route Overview or Alternative Route screen will be displayed.
- Press the **Add Waypoint** button to add a waypoint destination. Within the Route Overview or Alternative Route screen, press the **MAP** key or the **Start Guidance** button to start route guidance.

i Information

- If you press the **Set as Destination** button while a previous destination has already been set, the pop-up 'Do you want to change the destination?' will be displayed.
- If you press Yes, then the previous destination is deleted and the new destination will be set. Pressing the **Add Waypoint** button will add a waypoint destination.

One Touch Scroll Setting

The destination can be set to the current map display.

- While in the map screen, touching a position on the map will move the map to the center of the selected position and display the scroll mark.
- Press the **Menu** button to set the selected position as a waypoint or destination.

Route Calculation



- Once you have set a destination, calculate the route. The route overview and route option menus will be displayed.
- After checking the Route Overview, press the **MAP** key or the **Set as Destination** button or just drive for over 5km/h for approximately 5 seconds to start guidance.

3-20

i Information

- To learn more about 'Alternative Route', 'Route Overview' or 'Detailed Route Settings', refer to the 'Route Menu' section.

Demo

After a route has been calculated, press the **Demo** button to begin simulated driving of the calculated route.



- Within the Route Overview screen, press the **Demo** button.
- During Demo, press the **MAP** key to end the demo and display the current map position. If you start driving while viewing the route demo, demo will end and route guidance will start.

i Information

- Demo will not operate after starting route guidance. To use the Demo feature, use after route calculation but prior to starting route guidance.
- During Demo, the "고속/일반/지동"의 항목을 표시하며, 가상주행의 속도 조정이 가능합니다

Add Waypoint



After searching for waypoints, press the **Add Waypoint** button to add the waypoint to the current route.

Using the Navigation

Route Recalculation



Once a route has been set, the **Recalculate** button is displayed at the top of the menus. Pressing the **Recalculate** button will display a pop-up that allows you to change route options. Once the settings are changed, the route is recalculated by reflecting the changes.

3-22

Information

- For more information on Fastest, Shortest, and other route calculation options, refer to the route calculation section.

Cancel Route

In the Map menu screen, press the **Cancel Route** button.



Information

- You can cancel the route by pressing the **Cancel Route** button that is displayed after pressing the **Menu** button.

Route Guidance



Preliminary guidance, motorway mode, turn list guidance and other guidance screens are displayed according to the current road condition.

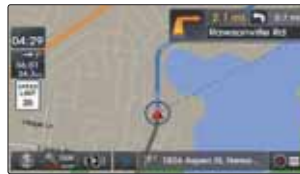
Within the guidance map screen, if the current position is on route, then intersection guidance will be provided once you are nearby an intersection.

Also, the intersection zoom screen is displayed when nearby an intersection.

Information

- Within all guidance mode screens, pressing the button at the bottom right side of the screen will change the route guidance mode.
- Each time the button is pressed, the guidance mode will change in order of preliminary guidance → turn list → motorway guidance mode. (The icon within the button indicates the mode that will be displayed upon next press.)
- Motorway and intersection zoom guidance are displayed during guidance at corresponding roads.

Preliminary Guidance Mode



At the top right side of the screen, the next/after next turn info, remaining distance, direction and other information are displayed.

Intersection Zoom Mode



This mode provides detailed guidance nearby intersections before the next turn. This mode is displayed starting from 300m before the intersection.

Using the Navigation

Using the Navigation

Motorway Mode



Upon entering a motorway during route guidance, the motorway mode will automatically be displayed. This mode is displayed when driving on a motorway and mainly displays motorway related POIs.

You can check information for various POIs by using the **View All**, **Summary** and **Rest Area** buttons.

Name	Description
1 View All	Guidance for all POIs on the Motorway
2 Summary	Shows List of turn points and other directional route guidance while driving within motor ways
3 Rest Area	Guidance for only the rest areas on the motorway

When scrolling through POIs by using the **▲**, **▼** buttons, pressing the **○** button will select the POI closest to the current position.

i Information

- When there are more than four POI marks that can be listed, some POIs may be omitted and not displayed.

Turn List Mode



Turn list mode shows turn information on the current route.

3-24

Route Menu

Press the **ROUTE** key to use, edit, or optimize various route options.



Name	Description
1 Cancel Route	Cancels the currently set route
2 Route Overview	Shows the route overview to the set destination
3 Route Info	Shows detailed info for the current route
4 Route Option	Route calculation features with various route calculation options and settings
5 Detour	Used to select and edit detour road/streets
6 Avoid Streets	Used to edit the route by selecting avoid streets
7 Edit Route	Used to add/delete/change the order of destinations/waypoints
8 Avoid Area	Used to edit route by adding Avoid Areas/Editing Avoid Areas and Deleting Avoid Areas

Using the Navigation

Using the Navigation

Cancel Route

Press the **ROUTE** key and then press the **Cancel Route** button to cancel the currently set route.

Route Overview

Press the **ROUTE** key ► Press **Route Overview**



Name	Description
1 Start Guidance	Starts guidance to the set Route/Displays the current vehicle position
2 Edit Route	Used to add/delete/change order of destinations/waypoints
3 Route Info	Shows route info to the set destination
4 Alternative Route	Displays various alternative route options for route calculation
5 Demo	Starts demo to the set destination

Within the Route Overview screen, press the **Alternative Route** button to display other potential routes to the set destination.

From the alternative route options, select the desired route.



Name	Description
1 Recommended	Fastest route that reflects distance and traffic conditions
2 Shortest	The shortest distance from start point to destination

Information

- Even if the "Use Alternative Route Search" option is turned on, the Route Overview screen (not the Alternative Route screen) when calculating routes that include waypoints.

3-26

Route Info

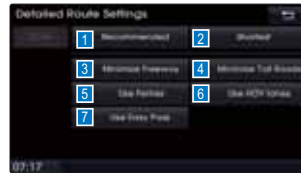
Press the **ROUTE** key ► Press **Route Info**



The turn points and distance information by key roads within the set route are displayed. Press the **MAP** button next to each road name to display the map position for the corresponding location.

Route Option

Press the **ROUTE** key ► Press **Route Option** ► Set and press **Done**



Route Options refer to conditions used to calculate the route to the destination. The route is automatically recalculated if the route options and detailed route settings are changed.

Name	Description
1 Recommended	Optimal route as determined by the system upon consideration of various route conditions
2 Shortest	The shortest distance from start point to the destination
3 Minimise Motorway	Route calculation with minimal use of motorways
4 Minimise Toll Roads	Route calculation with minimal use of toll roads
5 Use Ferries	Route calculation by including use of ferries
6 Use HOV Lanes	Route calculation by including use of HOV lanes
7 Use Easy Pass	Route calculation by including use of Easy Pass

Using the Navigation

Using the Navigation

Detour

Press the **ROUTE** key ► Press

Detour



The Detour menu is used to re-define the route by setting a detour to a certain distance from the current position.

Avoid Streets

Press the **ROUTE** key ► Press

Avoid Streets ► Select the streets you want to avoid and press **Done**



This feature is used to select specific streets to avoid within the current route.

Edit Route

Press the **ROUTE** key ► Press

Edit Route ► Set and press **Done**



The Edit Route menu displays the start point, waypoints and the destination in list format and is used to edit corresponding positions or the order of destinations within the route.

3-28

Avoid Area

Press the **ROUTE** key ► Press

Avoid Area ► Set and press **Done**



This feature is used by creating a rectangle over the area to avoid.

An area set as an avoid area is excluded from the calculated route. If a route had been calculated prior to creating an avoid area, the route will automatically be recalculated.

Map Landmarks and Logos

2D Landmarks These are landmark and logo icons that display facilities within 2D map mode. The size of the symbol may be displayed differently according to the map scale. Symbols may change without prior notice during map updates. Symbols shown within the manual represent a portion of all symbols and should only be used as a reference.

Logo		
Category	Sub-category	Icon
Restaurant	Fast Food	
	Middle Eastern Food	
	Italian Food	
	French Food	
	Continental Food	
	Turkish Food	
	American Food	
	Mexican Food	
	Indian Food	
	Chinese Food	
	Japanese Food	
	Korean Food	
	Asian Food	
	African Food	

3-30

Category	Sub-category	Icon
Restaurant	Vegetarian Food	
	Seafood	
	Coffee Shop	
	Other	
Automotive	Automotive	
	Hyundai Auto Service	
	Kia Auto Service	
	Hyundai Dealership	
	Kia Dealership	
	Auto Service	
	Automobile Dealership	
	Parking	
	ADNOC FOD	
	AL DREES	
BAPCO		
CALTEX		

Category	Sub-category	Icon
Automotive	EMARAT	
	EMIRATES	
	ENOC	
	EPPCO	
	KNPC	
	MOBIL	
	NAFT	
	PETROL	
	SHELL	
	Petrol Station	
Travel	Rest Area	
	Frontier Crossing	
	Motorcycle Dealership	
	Travel	
	Airport	
	Hotels	
	AMBASSADOR	

Category	Sub-category	Icon
Travel	BEST WESTERN	
	CARLTON	
	COURTYARD BY MARRIOTT	
	CROWNE PLAZA HOTEL	
	FOUR SEASONS	
	GOLDEN TULIP	
	HILTON	
	HOLIDAY INN	
	HOWARD JOHNSON	
	HYATT REGENCY	
	IBIS	
	IMA	
	INTERCONTINENTAL	
	KEMPINSKI	
	MARRIOTT	
	MERCURE	
	MERIDIEN	
METROPOLITAN		

Category	Sub-category	Icon
Travel	MÖVENPICK	
	NOVOTEL	
	PLAZA HOTEL	
	RADISSON	
	RAMADA	
	RITZ-CARLTON	
	SHERATON	
	SOFITEL	
	TULIP INN	
	WESTIN	
	Other accommodation	
	Tourist Office	
	Tourist Attraction	
	Historical Monument	
	Camp Ground	
City Centre		
Rent A Car Facility		
Bus Station		
Railway Station		

Category	Sub-category	Icon
Shopping	Ferry Terminal	
	Shopping	
	Shopping Centre	
	Department Store	
	Grocery Store	
	Convenience Store	
	Clothing Store	
	Home Specialty Store	
	Specialty Store	
	Sporting Goods Store	
	Home Improvement & Hardware Store	
	Consumer Electronics Store	
	Office Supply & Services Store	
Recreation	Book Store	
	Recreation	
	Amusement Park	
	Museum	
	Cinema	

Map Landmarks and Logos

Map Landmarks and Logos

Category	Sub-category	Icon
Recreation	Bowling Centre	
	Golf Course	
	Ice Skating Rink	
	Recreation Facility	
	Sports Activity	
	Sports Centre	
	Marina	
	Nightlife	
Financial Service	Financial Service	
	ATM	
	Bank	
Public places	Public places	
	Police Station	
	Hospital/Polyclinic	
	Medical Service	
	Pharmacy	
	City Hall	
	Court House	

3-32

Category	Sub-category	Icon	
Public places	Embassy		
	Exhibition or Conference Centre		
	Government Office		
	Library		
	Place of Worship		
	Post Office		
	School		
	University or College		
	Other	ETC	
		Business Facility	
Resident'1 Area/Bldg			
Cemetery			
	Industrial Zone		

2D Landmark

Category	Sub-category	Icon
Service	Airport	
	Park	
	Golf	
	University	

3D Landmarks

These are landmark and logo icons that display facilities within 3D map mode. The size of the symbol may be displayed differently according to the map scale. Symbols may change without prior notice during map updates. Symbols shown within the manual represent a portion of all symbols and should only be used as a reference.



















Logo		
Category	Sub-category	Icon
Restaurant	Fast Food	
	Middle Eastern Food	
	Italian Food	
	French Food	
	Continental Food	
	Turkish Food	
	American Food	
	Mexican Food	
	Indian Food	
	Chinese Food	
	Japanese Food	
	Korean Food	
	Asian Food	
	African Food	

Category	Sub-category	Icon
Restaurant	Vegetarian Food	
	Seafood	
	Coffee Shop	
	Other	
Automotive	Automotive	
	Hyundai Auto Service	
	Kia Auto Service	
	Hyundai Dealership	
	Kia Dealership	
	Auto Service	
	Automobile Dealership	
	Parking	
	ADNOC FOD	
	AL DREES	
BAPCO		
CALTEX		




















Category	Sub-category	Icon
Automotive	EMARAT	
	EMIRATES	
	ENOC	
	EPPCO	
	KNPC	
	MOBIL	
	NAFT	
	PETROL	
	SHELL	
	Petrol Station	
Travel	Rest Area	
	Frontier Crossing	
	Motorcycle Dealership	
	Travel	
	Airport	
	Hotels	
AMBASSADOR		



















Map Landmarks and Logos

Map Landmarks and Logos

Category	Sub-category	Icon
Travel	BEST WESTERN	
	CARLTON	
	COURTYARD BY MARRIOTT	
	CROWNE PLAZA HOTEL	
	FOUR SEASONS	
	GOLDEN TULIP	
	HILTON	
	HOLIDAY INN	
	HOWARD JOHNSON	
	HYATT REGENCY	
	IBIS	
	IMA	
	INTERCONTINENTAL	
	KEMPINSKI	
	MARRIOTT	
	MERCURE	
MERIDIEN		
METROPOLITAN		

3-34

Category	Sub-category	Icon
Travel	MÖVENPICK	
	NOVOTEL	
	PLAZA HOTEL	
	RADISSON	
	RAMADA	
	RITZ-CARLTON	
	SHERATON	
	SOFITEL	
	TULIP INN	
	WESTIN	
	Other accommodation	
	Tourist Office	
	Tourist Attraction	
	Historical Monument	
Camp Ground		
City Centre		
Rent A Car Facility		
Bus Station		
Railway Station		

Category	Sub-category	Icon	
Travel	Ferry Terminal		
	Shopping		
	Shopping Centre		
	Department Store		
	Grocery Store		
	Convenience Store		
	Clothing Store		
	Home Specialty Store		
	Specialty Store		
	Sporting Goods Store		
Shopping	Home Improvement & Hardware Store		
	Consumer Electronics Store		
	Office Supply & Services Store		
	Book Store		
	Recreation	Recreation	
		Amusement Park	
		Museum	
Cinema			

4 Bluetooth® Handsfree

- Before Use
- Basic Mode Screen
- Using *Bluetooth®* Wireless Technology

CAR AVN SYSTEM

Before Use

Before using the Bluetooth® Handsfree

What is Bluetooth® Wireless Technology?

- Bluetooth® Wireless Technology refers to a short-distance wireless networking technology which uses a 2.45GHz frequency to connect various devices within a certain distance.
- Supported within PCs, external devices, Bluetooth® phones, PDAs, various electronic devices, and automotive environments, Bluetooth® allows data to be transmitted at high speeds without having to use a connector cable.
- Bluetooth® Handsfree refers to a device which allows the user to conveniently make phone calls with Bluetooth® mobile phones through the Navigation system.
- The Bluetooth® handsfree feature may not be supported in some mobile phones. For more information on mobile phone compatibility, visit the Hyundai Motor website (<http://www.hyundaiusa.com>).

⚠ Precautions for safe driving

- Bluetooth® Handsfree is a feature that enables drivers to practice safe driving. Connecting the head unit with a Bluetooth® phone allows the user to conveniently make calls, receive calls, and manage the phone book. Before using Bluetooth® Wireless Technology, carefully read the contents of this user's manual.
- Excessive use or operations while driving may lead to negligent driving practices and be the cause of accidents. Do not operate the device excessively while driving.
- Viewing the screen for prolonged periods of time is dangerous and may lead to accidents. When driving, view the screen only for short periods of time.

4-2

⚠ Cautions upon connecting Bluetooth® phone


- Before connecting the head unit with the mobile phone, check to see that the mobile phone supports Bluetooth® features.
- Even if the phone supports Bluetooth® Wireless Technology, the phone will not be found during device searches if the phone has been set to hidden state or the Bluetooth® power is turned off. Disable the hidden state or turn on the Bluetooth® power prior to searching/connecting with the Head unit.
- If Auto Connection is used, the Bluetooth® phone is automatically connected when the ignition is turned on, making it unnecessary to have to connect the phone with the head unit every time.
- If you do not want automatic connection with your Bluetooth® device, turn the Bluetooth® power off.
- To set Auto Connection, go to **SETUP** ▶ **Bluetooth** ▶ **Auto Connections Settings**.
- The car name can be set at **SETUP** ▶ **Bluetooth** ▶ **Advanced Settings** ▶ **Device Information**.

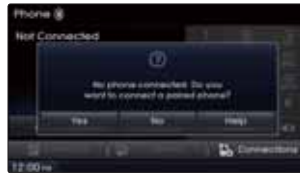
- The passkey needed to connect the mobile phone can be verified/changed at **SETUP** ▶ **Bluetooth** ▶ **Advanced Settings** ▶ **Change Passkey**.
- If the Bluetooth® audio does not play, go to **SETUP** ▶ **Bluetooth** ▶ **Streaming Audio Setting**. If the feature is set to **Off**, turn **On** and try again.
- Park the vehicle when connecting the head unit with the mobile phone.
- Bluetooth® connection may become intermittently disconnected in some mobile phones. Follow these steps to try again.
 - Turn the Bluetooth® function within the mobile phone OFF/ON and try again.
 - Turn the mobile phone power OFF/ON and try again.
 - Completely remove the mobile phone battery, reboot, and then again.
 - Reboot the Audio Navigation System and try again.
 - Delete all paired devices, pair and try again.
- The handsfree call volume and quality may differ depending on the mobile phone.
- Pairing Bluetooth devices and use of other Bluetooth® features are not supported when the vehicle is in motion. For safety, please first park your vehicle.

Before Use

Basic Mode Screen

When no phones have been paired

Press the  key on the steering remote controller or press the **PHONE** key
▶ Press **Yes**



Information

- Press the **Help** button within the pop-up to view the help section with information related to pairing and connecting Bluetooth® devices, and using Handsfree related features.
- The same Help section can be viewed by going to **INFO** ▶ **Help** ▶ **Bluetooth**

4-4

Pairing from the Bluetooth® Device

In the Search from Device screen ▶ Search for the car name and pair the device ▶ Enter the Passkey ▶ Bluetooth becomes connected




From the Bluetooth® device, search for the car name and pair the device.

When searching from the Bluetooth® device, the car name is Santa Fe and the default passkey is '0000'.

Information

- To learn more about searching from Bluetooth® devices and pairing, refer to the user's manual for your Bluetooth® device.
- Bluetooth® devices cannot be paired when the vehicle is in motion. For your safety, first park the vehicle to pair a Bluetooth® device.

When a phone is already paired

Press the  key on the steering remote controller or the **PHONE** key ▶ Press **Yes** ▶ Select the device from the device list ▶ Press **Connect**



Basic Mode Screen

Basic Mode Screen



- Select the device you want to connect and press the **Connect** button.
- If the phone you want to connect does not exist, press the **Add New** button to pair a new Bluetooth® device.

Name	Description
1 Help	Help section related to pairing and connecting/disconnecting Bluetooth® devices and Hands-free phone features
2 Add New	Pair a new Bluetooth® device
3 Connect/Disconnect	Connect or disconnect a Bluetooth® device
4 Delete	Delete a paired Bluetooth® Device
5 Delete All	Delete all paired Bluetooth® Devices
6 Auto Connection	Set Bluetooth® auto connection when car ignition is turned on

When Pairing Additional Device

Press the **Add New** button to pair a new Bluetooth® device.

For more information on pairing, refer to the 'When no phones have been paired' section.

i Information

- When a Bluetooth® device is connected, a new device cannot be paired. If you want to pair a new phone, first disconnect the connected Bluetooth® device.

4-6

When there is a connected device

Press the **PHONE** key on the steering remote controller or the **PHONE** key on the head unit to display the following screen



Enter the phone number you wish to call and press the **Send** button.

i Information

- The mobile phone battery and signal strength icons may not be supported in some mobile phones.
- The remaining battery level displayed on your mobile phone battery icon may slightly differ with the device display.
- The speed dial feature may not be supported in some mobile phones.

Name	Description
1 Info Display Window	Displays name of currently connected device
2 Send	If no number has been entered, switches to call history screen If a number has been entered, calls the number
3 End	If a number has been entered, deletes the number During a call, ends the current call
4 Dial Pad	Used to enter the phone number Press the hold 0 to enter a '+' Press the hold 1-9 to connect to the speed dial saved within the mobile phone
5 Favorites	Displays the Favorites list screen
6 Delete	Deletes entered numbers one digit at a time
7 Contacts	Displays contacts list screen
8 Connections	Displays the Bluetooth® device Connections screen
9 Remaining Battery	Displays the remaining battery for the connected Bluetooth® device
10 Call Signal Strength	Displays the call signal strength

Basic Mode Screen

Using Bluetooth® Wireless Technology

During a Call



The name of the other party is displayed if the number is saved within your contacts. If not, only the phone number is displayed. During a call, the other party's name/number and the call time are displayed.

Information

- The telephone number may not be displayed in some mobile phones.

Name	Description
1 Info Display Window	Displays other party's name/number If there is a call waiting, displays call waiting information
2 Switch	If there is a call waiting, switches the current call and connects the waiting call
3 End	Ends call
4 Dial Pad	Used to enter phone number
5 Contacts	Displays the Contacts screen
6 Private	During a handsfree call, this function is used to switch the call to the mobile phone Upon switching the call to Private, the vehicle mic and speaker will turn off to allow a private conversation through the mobile phone
7 Outgoing Vol.	Adjusts outgoing volume during calls Sets call volume as heard by the other party (Levels 0-5) The outgoing volume may be heard differently depending on the connected Bluetooth® device

Status Bar Icons

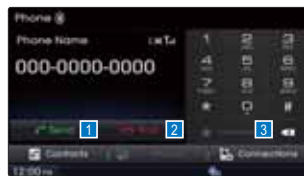
Name	Description
	Mutes call volume
	Bluetooth® phone call state
	Mobile phone contacts or call history download status
	A state when Bluetooth® Handsfree and streaming Audio is all connected
	State when Bluetooth® streaming Audio is connected
	State when Bluetooth® Handsfree is connected

4-8

Making/Answering Calls

Calling by Dialing a Number

Enter number on the dial pad ▶ Press the or the key on the steering remote controller.



If you press the button without entering a number, the Call History screen is displayed. Press and hold the dial pad (over 0.8 seconds) to enter a "+".

Name	Description
1 Send	Calls the entered phone number
2 End	Deletes all entered numbers
3 Favorites	Displays the Favorites list screen

Information

- Most audio and SETUP mode features will not operate during a Bluetooth® handsfree call. Only the call volume and Navigation mode screen can be operated.

Making a Call From Speed Dial

Enter the 1 or 2 digit speed dial number with the Dial Pad ▶ Press and hold the last number.



Information

- For speed dials saved within mobile phones, up to 2 digits are supported.
- Saving or changing speed dial numbers through the head unit is not supported.

Using Bluetooth® Wireless Technology

Using Bluetooth® Wireless Technology

Calling through Redial

Press the hold (over 0.8 seconds) the **Send** button or the **Send** key on the steering remote controller.

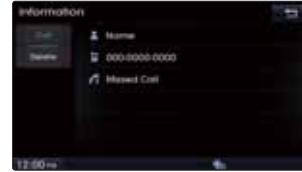


i Information

- Redialing is not possible when there is no call history or the Bluetooth® phone has not been connected.

Making a Call from Call History

Press the **Send** button or the **Send** Key on the steering remote controller ▶ press the call list ▶ Press **Call**



i Information

- Calling through the call history is not possible when there is no call history or the Bluetooth® phone has not been connected.
- Within the call history screen, press the Download button to **download** the call history saved in your mobile phone into the vehicle.
- For more information on downloading call histories, refer to the "Call History ▶ Downloading Call History" section.

4-10

Answering a Call

Incoming call notice ▶ Press the **Accept** button or the **Accept** key on the steering remote controller.



When a call is received on the connected phone, the bell will sound and the phone number of the other party will be displayed on the incoming call pop-up, as shown here.

i Information

- When the incoming call pop-up is displayed, most functions within audio and SETUP mode will not operate. Only the call volume and Navigation screens can be operated.
- The telephone number may not be displayed in some mobile phones.

Rejecting a Call

Incoming call notice ▶ Press the **Reject** button or the **Reject** key on the steering remote controller.

i Information

- The reject call function may not be supported in some mobile phones.

Using Bluetooth® Wireless Technology

Operating Menus during a Call

Switching Call to the Bluetooth® Phone

During handsfree call ► Press the **Private** button or press and hold the **End** key (over 0.8 seconds) on the steering remote controller.



4-12



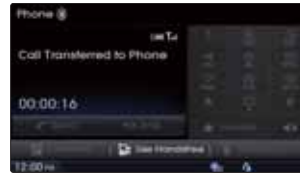
The call will be switched from the handsfree to the Bluetooth® mobile phone.

Information

- The Private function may not be supported in some mobile phones.

Switching Call to the Handsfree

During call on mobile phone ► Press the **Private** button or press and hold the **End** key (over 0.8 seconds) on the steering remote controller.



The call will be switched from the Bluetooth® mobile phone to the car handsfree.

Ending a Call

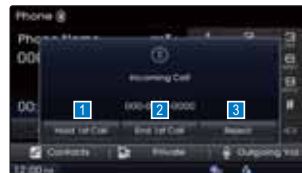
While on a call ► Press the **End** button or the **End** Key on the steering remote controller.



The Bluetooth® handsfree call will end.

Switching to Call Waiting

If another person calls while you are already on a call, the current call must be placed on hold or ended to answer the new call.



If there is waiting call, press the **End** key on the steering remote controller (under 0.8 seconds) or press the **Switch** button on the Phone screen.

Name	Description
1 Hold 1st call	Places current call on call waiting and answer new call
2 End 1st call	Ends current call and answer new call
3 Reject	Rejects new call and maintains current call
4 Switch	If there is a call waiting, switches to the waiting call waiting call

Information

- Call waiting is a feature that allows the caller to answer a second call while already on a call. When call waiting is used, the first call is placed on waiting mode.
- The Switch to Call Waiting feature may not be supported in some mobile phones.

Using Bluetooth® Wireless Technology

Setting Mic Volume

While on a call ▶ Press the **Outgoing Vol.** ▶ Set Outgoing Volume ▶ Press **OK**



If you press the **Mute** button, the outgoing volume is muted and blocked to the other party.

Information

- The volume heard by the other party may differ depending on the mobile phone. If call volume heard by the other party is too low or too high, first adjust the volume setting.

Adjusting the Ring/Call Volume

While on a call ▶ Use the **VOL** knob on the head unit or the **VOL+**, **VOL-** keys on the steering remote controller to adjust the ring/call volume.



4-14

Contacts

Press the **PHONE** key on the head unit or the **PHONE** key on the steering remote controller ▶ Press **Contacts**

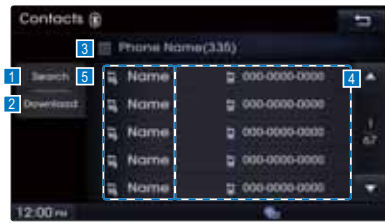


Information

- For contacts, up to 5,000 entries can be downloaded to each paired Bluetooth® device.
- Contacts can be viewed only when a Bluetooth® device has been connected.
- If there are numerous list entries, selecting the list page area will move to the corresponding list page.
- It is possible to download contacts during a call or while operating Bluetooth® streaming audio mode.
- When downloading contacts, the **DL** icon will be displayed within the status bar.
- It is not possible to download contacts when the contacts download setting has been turned off within your Bluetooth® device.
- In addition, some devices may require device authorization to download contacts.
- If downloading cannot be normally conducted, check the Bluetooth® device settings or the screen state.
- The download feature may not be supported in some mobile phones.
- Check to see that the Bluetooth® device supports the download feature.
- For more information on mobile phone compatibility, visit the Hyundai Motor website (<http://www.hyundaiusa.com>).

Using Bluetooth® Wireless Technology

Mobile Contacts Screen Configuration



Name	Description
1 Search	Search car contacts and mobile phone contacts (Search by name or number)
2 Download	Download contacts from Bluetooth® device
3 Bluetooth® Device Name	Name of connected Bluetooth® device
4 List page	Displays total list pages and current list page (List page jump upon selecting scroll area)
5 Download source	Displays whether contacts were downloaded from the Mobile phone or SIM

i Information

- Mobile phone contacts can be searched only when a Bluetooth® device is connected.
- Up to 5,000 contacts from your Bluetooth® phone or SIM can be downloaded into the car contacts. Contacts that have been downloaded to the car cannot be edited or deleted.
- Mobile phone contacts are managed separately for each paired Bluetooth® device (max 5 devices x 5,000 contacts each). Previously downloaded data will be stored even if the Bluetooth® device has been disconnected. (However, the contacts and call history saved to the phone will be deleted if the paired phone is deleted.)
- Downloaded contacts could be lost depending on the state of the head unit. Always make sure to back up important data.

4-16

Downloading Mobile Phone Contacts

Press the **Download** button from the Contacts screen ▶ Press **Yes**



i Information

- Time required to download contacts may differ depending on your mobile phone model or data size.



i Information

- Upon downloading mobile phone contacts, the previous corresponding data is deleted.
- This feature may not be supported in some mobile phones.
- Upon downloading, contacts saved in your SIM and mobile phone are simultaneously downloaded.
- To change the contacts download settings, change the following menu setting.

SETUP ▶ **Bluetooth** ▶

Contacts Download Setting

- When using Contacts Sync, the contacts and call histories within your mobile phone are automatically downloaded upon connecting Bluetooth® Wireless Technology.

- If you do not wish to use this feature, turn this feature off at

SETUP ▶ **Bluetooth** ▶

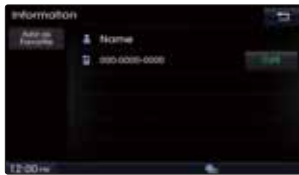
Contacts Sync Setting

Using Bluetooth® Wireless Technology

Using Bluetooth® Wireless Technology

Checking Mobile Contacts Details

Select the desired phone number from the mobile contacts list to check details about the number.

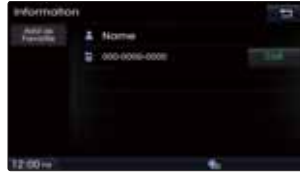


Adding as a Favorite

Select number from the Contacts screen

► Within the details screen, press

Add as Favorite



Saved Favorites can be viewed by pressing the **★ Favorite** button in the Phone screen.

Information

- Up to 8 Favorites can be added.
- Saved Favorites can be viewed by pressing the **★ Favorite** button in the Phone screen.

Favorites

Calling Favorites

In Phone screen ► Press **★ Favorite**
► Select the desired Favorite ► Call connected



4-18

Information

- Favorites can be added through Phone
► **Contacts** ► Select contact ► **Add as Favorite**
- Up to 8 Favorites can be added and Favorites can be used only when a Bluetooth device has been connected.

Selecting/Deleting Favorites

In Favorites screen ► Press

Delete Items ► Select items you want

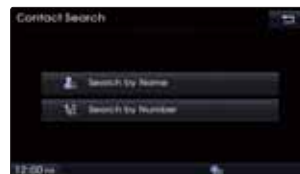
to delete and press **Delete** ► Press

Yes



Searching Contacts

In Phone screen ► Press **Search**



Using Bluetooth® Wireless Technology

Using Bluetooth® Wireless Technology

Search by Name

Press the **Search by Name** button ►
Enter name and press **Search**



Information

- When searching a number, it is possible to search by entering just a part of the name.

Searching by Number

Press the **Search by Number** button
► Enter number and press **Search**



Information

- When searching a number, it is possible to search by entering just a part of the entire number.
(ex : if you enter "1544", all numbers that include "1544" will be searched.)

Call History

Entering Call History Screen

Within the Phone screen, press the **Send** button or the **Send** key on the steering remote controller.



4-20



Information

- The call history may not be saved in the call history list in some mobile phones.
- Calls received with hidden caller ID will not be saved in the call history list.

Call History Screen Configuration



Name	Description
1 Dialed Call	Displays the outgoing call history list
2 Received Call	Displays the incoming call history list
3 Missed Call	Displays the missed call history list
4 Download	Downloads call history from mobile phone

Downloading Call History

Within the Call History screen, press the **Download** button.




Information

- Up to 20 dialed, incoming, and missed call history lists can each be downloaded. The dialed/incoming time and call time information are not supported.

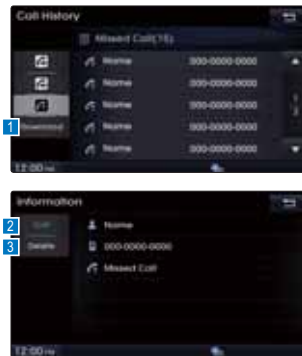
Bluetooth® Handsfree I 4-21

Using Bluetooth® Wireless Technology

- Sorting all call histories by time is not supported.
- It is possible to download call history even during a call or during Bluetooth® streaming audio.
- When downloading call histories, the  icon will be displayed within the status bar.
- It is not possible to commence download when the call history download feature is turned off within the Bluetooth® device. Also some devices may require device authorization upon attempting to download call history. If downloading cannot be normally conducted, check the Bluetooth® device settings or the screen state.
- The download feature may not be supported in some mobile phones. Check to see that the Bluetooth® device supports the download feature.
- For more information on mobile phone compatibility, visit the Hyundai Motor website (<http://www.hyundaiusa.com>).

Viewing Call History Information

Within the Call History screen, select the list.



Name	Description
1 Download	Download call histories from mobile phone
2 Call	Calls the number
3 Delete	Deletes the call history

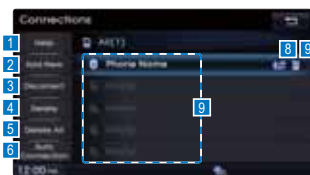
Setting Bluetooth® Connection

Press the  button on the Phone screen.




4-22

Connections Menu



Name	Description
1 Help	Displays Bluetooth® Help screen
2 Add New	Pairs a new Bluetooth® device
3 Connect/Disconnect	Connects/disconnects a Bluetooth® device
4 Delete	Deletes a paired Bluetooth® device
5 Delete All	Deletes all paired Bluetooth® devices
6 Auto Connection	Sets Bluetooth® device auto connection when car ignition is turned on
7 Paired device list	Shows list of paired Bluetooth® devices
8 Streaming connection state	Shows Bluetooth® Streaming connection State
9 Handsfree connection state	Shows Bluetooth® Handsfree connection State

Connecting a Device

Select the device you wish to connect from the list ▶ Press 



The Phone screen is displayed once a Bluetooth® Handsfree is connected while the Bluetooth® Audio screen is displayed once streaming Audio is connected.

Using Bluetooth® Wireless Technology

Using Bluetooth® Wireless Technology

Pairing a New Device

For more information on pairing, refer to the "When no phones have been paired" section.

i Information

- Bluetooth® features supported within the vehicle are as follows. Some features may not be supported depending on your Bluetooth® device.
 - Answering and placing Bluetooth® Handsfree calls
 - Menu operation during call (Switch to Private, Switch to call waiting, Outgoing volume)
 - Download Call History
 - Download Mobile Contacts
 - Download SIM Contacts
 - Contacts/ Call History Auto Download
 - Bluetooth® device auto connection
 - Playing Bluetooth® Streaming Audio
- It is possible to pair up to five Bluetooth® devices to the car system.
- Only one Bluetooth® device can be connected at a time.

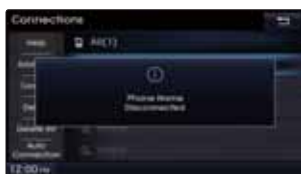
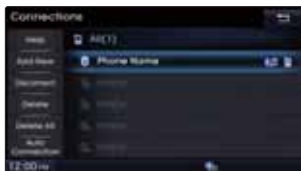
4-24

- Other devices cannot be paired while a Bluetooth® device is already connected.
- When a Bluetooth® device is being connected, the connection process cannot be canceled.
- Only Bluetooth® Handsfree and Bluetooth® audio related features will operate within this system.
- Normal operation is possible only for devices that support handsfree or audio features, such as a Bluetooth® mobile phone or a Bluetooth® audio device.
- Only one function can be used at a time between the Bluetooth® handsfree and Bluetooth® audio. (While playing Bluetooth® audio, streaming will end upon entering the Bluetooth® phone screen.)
- If a connected Bluetooth® device becomes disconnected for various reasons, such as being out of range, turning the device OFF, or a Bluetooth® communication error, Bluetooth® devices are automatically searched and connected.

- If the system becomes unstable due to communication errors between the vehicle and the Bluetooth® device, reset the Bluetooth® Wireless Technology and try again. Upon resetting Bluetooth®, the system is restored to its factory release state. Press the **SETUP** key ▶ **Bluetooth** ▶ **Advanced Settings** ▶ **Restore Factory Settings**

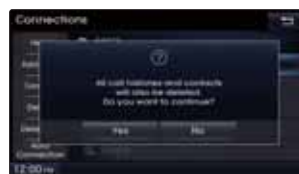
Disconnecting a Device

Select the device you wish to disconnect
▶ Press **Disconnect** ▶ Press **Yes**



Deleting a Device

Select the device you want to delete ▶
Press **Delete** ▶ Press **Yes**



A device cannot be deleted if it is connected. To delete a paired device, first disconnect the Bluetooth® connection. Press **Delete All** to delete all paired Bluetooth® devices.

i Information

- If a paired phone is deleted, its call history and contacts lists will also be deleted.

Using Bluetooth® Wireless Technology

Setting Auto Connection

Press the **Auto Connection** button ►
Select the desired option ► Set and
press **Done**



If auto connection is turned on, a Bluetooth® device will automatically be connected according to the set option when the car ignition is turned on.

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Name	Description
1 Disable Auto Connection	Disables auto connection
2 Previously Connected Phone	Auto connection with the previously connected Bluetooth® phone
3 User Selected Phone	Automatically connects to a user selected Bluetooth® device
4 Connect by Priority	Automatically connects according to the set Bluetooth® phone priority

Information

- The Auto Connection button is a shortcut menu to go to **SETUP** ► **Bluetooth** ► **Auto Connections Settings**
- If you press the **Setting** button next to the User Selected Phone and Connect by Priority options, you can designate the phone you wish to connect or set the phone priority.

5 Voice Recognition


- Starting Voice Recognition
- Voice Command Lists

CAR AVN SYSTEM

Using Voice Recognition

Starting Voice Recognition

Starting Voice Recognition

Shortly press the  key on the steering remote controller (under 0.8 seconds) ▶ Say a command



Once voice recognition starts, the voice command entry window and the six representative commands are displayed.

- If voice recognition is in [Normal Mode], then the system will say "Please say a command." "Beep--"
- If voice recognition is in [Expert Mode], then the system will only say a "Beep--"


(e.g. : screen displayed when 'Help' is stated)




NOTICE

- For proper recognition, say the command after the voice instruction and beep tone.

Information

- To change the Normal/Expert setting, press the  key and enter the Voice Recognition settings screen.


Skipping Prompt Messages

While prompt message is being stated ▶ Shortly press the  key on the steering remote controller (under 0.8 seconds)

The prompt message is immediately ended and the beep tone will sound. After the "beep", say the voice command.

5-2

Re-starting Voice Recognition

While system waits for a command Shortly ▶ press the  key on the steering remote controller (under 0.8 seconds)

The command wait state is immediately ended and the beep tone will sound. After the "beep", say the voice command.


Ending Voice Recognition

While Voice Recognition is operating ▶ Press and hold the  key on the steering remote controller (over 0.8 seconds)




While using voice command, pressing a steering wheel remote control or a different key will end voice command.

Information



- In a state where the system is waiting for a voice command, say "cancel" or "exit" to end voice command.
- In a state where the system is waiting for a voice command, press and hold the  key on the steering remote controller to end voice command.

Using Voice Recognition

Using Voice Recognition

Press the  key on the steering remote controller. The voice command entry window and the six representative commands are displayed.

Information

- If voice recognition is set to 'Expert', then the 'Please say a command' prompt will not be provided. Only the 'beep-' will sound.
- If voice recognition is set to 'Expert', then the six representative commands are not shown on the screen.
- After the 'Beep-', the  icon will change to the  icon to indicate that a command can now be stated.

Adjusting Voice Recognition Volume



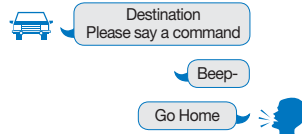
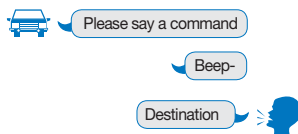
While Voice Recognition is operating ▶
Turn the  Volume knob left/right to adjust the voice recognition prompt volume



Illustration on Using Voice Recognition (When Home is set as the destination)

Press the  key (under 0.8 seconds). The system will wait for your command and display a list of accessible commands on the screen.



Starting Voice Recognition

Voice Command List

Voice Command List

Voice commands within this system are categorized into "Common Commands" and "Mode Commands".

- Common Commands (●) : commands that can be used in all situations.
- Mode Commands (○) : commands that can be used in specific multimedia/navigation/Bluetooth mode states.

i Information

- Some commands will operate properly only when a USB, iPod, Bluetooth or other device has been connected.

Help Command List

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
● XM Help	Displays the XM radio related command list
● Disc Help	Displays the DISC mode related command list for the disc inserted in the CD Player
● iPod Help	Displays the iPod related command list
● USB Help	Displays the USB related command list
● Pandora Help	Displays the Pandora radio related command list
● Phone Help	Displays the Phone related command list

Audio System Command List

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
● FM1/FM2	Plays the most recent frequency for the corresponding band
● AM frequency <530-1710>	Plays the desired AM band frequency (ex : AM Frequency "Five-Hundred Thirty")
● FM frequency <87.5-107.9>	Plays the desired FM band frequency (ex : FM Frequency "Eighty-Seven point Five")
● AM Preset <1-6>	Plays the desired AM band preset frequency
● FM1 Preset <1-6>	Plays the desired FM1 band preset frequency
● FM2 Preset <1-6>	Plays the desired FM2 band preset frequency

Command	Operation
○ Preset <1-6>	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 band
○ Auto Store	Searches all frequencies within the current band and stores the 6 frequencies with the most superior reception as preset buttons
○ Scan On	Scans receivable frequencies from the current broadcast and plays for 5 seconds each
○ Scan Off	Ends the currently operating Scan or Preset Scan feature
○ Preset Scan	Moves to the next preset from the current present and plays for 5 seconds each

Voice Command List

XM Radio

Command	Operation
<input checked="" type="radio"/> XM	Plays the last channel within the last band from XM1, XM2, and XM3
<input checked="" type="radio"/> XM1/XM2/XM3	Plays the most recent channel for the corresponding Band
<input checked="" type="radio"/> XM Channel <1-255>	Plays the desired XM band channel (ex : XM channel "Eleven")
<input checked="" type="radio"/> XM1 Preset <1-6>	Plays the desired preset channel for XM1 band
<input checked="" type="radio"/> XM2 Preset <1-6>	Plays the desired preset channel for XM2 band
<input checked="" type="radio"/> XM3 Preset <1-6>	Plays the desired preset channel for XM3 band
<input type="radio"/> Channel <1-255>	Plays the desired channel of the current band
<input type="radio"/> Preset <1-6>	Plays the desired preset channel of the current band
<input type="radio"/> Channel Up	Plays the next channel of the current band
<input type="radio"/> Channel Down	Plays the previous channel of the current band

Command	Operation
<input type="radio"/> Preset Up	Plays the next preset channel of the current band
<input type="radio"/> Preset Down	Plays the previous preset channel of the current band
<input type="radio"/> Scan On	Scans receivable channels from the current broadcast and plays for 5 seconds each
<input type="radio"/> Scan Off	Ends the currently operating Scan or Preset Scan feature
<input type="radio"/> Preset Scan	Moves to the next preset from the current present and plays for 5 seconds each
<input type="radio"/> Scan Off	Ends the currently operating Scan or Preset Scan feature
<input type="radio"/> Preset Scan	Moves to the next preset from the current present and plays for 5 seconds each

5-8

CD(Audio Type)

Command	Operation
<input checked="" type="radio"/> CD	If the DISC inserted in the CD Player is either a CD or MP3 DISC, then the CD or MP3 will be played
<input checked="" type="radio"/> CD Track <1-99>	If the DISC inserted in the CD Player is a CD, then CD Mode will start and plays the desired track
<input type="radio"/> Play	Plays the currently paused song
<input type="radio"/> Pause	Pauses the current song
<input type="radio"/> Next Track	Plays the next track
<input type="radio"/> Previous Track	Plays the previous track
<input type="radio"/> Repeat On	Repeats the current track
<input type="radio"/> Repeat Off	Cancel repeat play to play tracks in sequential order
<input type="radio"/> Shuffle On	Randomly plays the tracks within the CD
<input type="radio"/> Shuffle Off	Cancel random Play to play tracks in sequential order
<input type="radio"/> Scan On	Scans the files from the next files for 10 seconds each
<input type="radio"/> Scan Off	Ends the currently operating Scan feature
<input type="radio"/> Track <1-99>	Plays the desired track number

CD(MP3 Type)

Command	Operation
<input checked="" type="radio"/> CD	If the DISC inserted in the CD Player is either a CD or MP3 DISC, then the CD or MP3 will be played
<input type="radio"/> Play	Plays the currently paused song
<input type="radio"/> Pause	Pauses the current song
<input type="radio"/> Next File	Plays the next track
<input type="radio"/> Previous File	Plays the previous track
<input type="radio"/> Next Folder	Plays the first file in the next folder
<input type="radio"/> Previous Folder	Plays the first file in the previous folder
<input type="radio"/> Repeat On	Repeats the current file
<input type="radio"/> Repeat Off	Cancel repeat play to play files in sequential order
<input type="radio"/> Repeat Folder	Repeats all files in the current folder
<input type="radio"/> Shuffle On	Plays all files within the CD in random order
<input type="radio"/> Shuffle Off	Cancel random play to play files in sequential order
<input type="radio"/> Shuffle Folder	Randomly plays the files within the current folder
<input type="radio"/> Scan On	Scans the files from the next files for 10 seconds each
<input type="radio"/> Scan Off	Ends the currently operating Scan or Folder Scan feature
<input type="radio"/> Folder Scan	Plays all songs in the folder in which the current playing file is located for 10 seconds each

Voice Command List

USB Music

Command	Operation
<input checked="" type="radio"/> USB	If the USB has been connected to the device, plays the MP3 or Image files within the USB
<input checked="" type="radio"/> USB Music	If the USB has been connected to the device, plays the MP3 files within the USB
<input checked="" type="radio"/> Play	Plays the currently paused song
<input type="radio"/> Pause	Pauses the current song
<input type="radio"/> Next File	Plays the next track
<input type="radio"/> Previous File	Plays the previous track
<input type="radio"/> Next Folder	Plays the first file in the next folder
<input type="radio"/> Previous Folder	Plays the first file in the previous folder
<input type="radio"/> Repeat On	Repeats the current file
<input type="radio"/> Repeat Off	Cancels repeat play to play files in sequential order
<input type="radio"/> Repeat Folder	Repeats all files in the current folder
<input type="radio"/> Shuffle On	Plays all files within the USB in random order
<input type="radio"/> Shuffle Off	Cancels random play to play files in sequential order
<input type="radio"/> Shuffle Folder	Randomly plays the files within the current folder
<input type="radio"/> Scan On	Scans the files from the next files for 10 seconds each
<input type="radio"/> Scan Off	Ends the currently operating Scan or Folder Scan feature
<input type="radio"/> Folder Scan	Plays all songs in the folder in which the current playing file is located for 10 seconds each

USB Image

Command	Operation
<input checked="" type="radio"/> USB	If the DISC inserted in the CD plays is either a CD or MP3 DISC, then the CD or MP3 will be played
<input checked="" type="radio"/> USB Image	If the USB has been connected to the device, plays the MP3 files within the USB
<input type="radio"/> Next File	Displays the next image file
<input type="radio"/> Previous File	Displays the previous image file
<input type="radio"/> Next Folder	Displays the first image file within the next folder
<input type="radio"/> Previous Folder	Displays the first image file within the previous folder

5-10

iPod

Command	Operation
<input checked="" type="radio"/> iPod	Plays the songs within the iPod if the iPod has been connected to the device
<input type="radio"/> Play	Plays the currently paused song
<input type="radio"/> Pause	Pauses the current song
<input type="radio"/> Next Song	Plays the next song
<input type="radio"/> Previous Song	Plays the previous song
<input type="radio"/> Repeat On	Repeats the current file
<input type="radio"/> Repeat Off	Cancels repeat play to play files in sequential order
<input type="radio"/> Shuffle On	Plays all files within the current category in random order
<input type="radio"/> Shuffle Off	Cancels random play to play files in sequential order

My Music

Command	Operation
<input checked="" type="radio"/> My Music	Plays the songs within the My Music
<input type="radio"/> Play	Plays the currently paused song
<input type="radio"/> Pause	Pauses the current song
<input type="radio"/> Next File	Plays the next file
<input type="radio"/> Previous File	Plays the previous file
<input type="radio"/> Repeat On	Repeats the current file
<input type="radio"/> Repeat Off	Cancels repeat play to play files in sequential order
<input type="radio"/> Shuffle On	Plays all files within the current category in random order
<input type="radio"/> Shuffle Off	Cancels random play to play files in sequential order
<input type="radio"/> Scan On	Scans the files from the next files for 10 seconds each
<input type="radio"/> Scan Off	Ends the currently operating Scan or Folder Scan feature

Voice Command Lists

Voice Command List

Others

Command	Operation
● Audio On	Turns on the Audio/Video
● Audio Off	Turns off the Audio/Video
● Bluetooth Audio	Plays Bluetooth Audio
● Auxiliary	Plays the connected auxiliary device
● Blue Link	Displays the Blue Link mode screen

"Blue Link" is an optional feature.

Phone Command List

Command	Operation
● Call Name	Makes the call to the name
● Call <Name>	Call <Name> saved in Contacts (ex : Call "John")
● Dial Number	Makes the call to the number
● Dial <Number>	Call can be made by dialing the spoken numbers (ex : Dial "123")
● Contacts	Displays list of saved contacts Say the name to connect the call to the corresponding contact
● Recent Calls	The user can select a number from the outgoing, incoming, and missed calls
● Redial	Connects the most recently called number

5-12

Navigation Command List

Destination

Command	Operation
● Find Address	Sets the destination through address search for route guidance
● Previous Destination	Sets one of the previous destination as the current destination
● Previous Searches	Sets one of the previous searches as the current destination
● Find Nearest POI	Sets a POI near the current position as the destination for route guidance through POI category search
● Find the Nearest <POI Name>	Sets a POI near the current position as the destination by directly inputting the POI name for route guidance (ex : Find the Nearest "Restaurants") POI Category list, Page ##
● Destination POI by Phone Number	Sets the destination by searching the phone number of the facility
● Find Emergency Police Station	Searches for an emergency Police Station which is nearby the current position and sets it as the destination for route
● Find Emergency Hospital	Searches for an emergency Hospital which is nearby the current position and sets it as the destination for route

Command	Operation
● Find Emergency Dealership	Searches for an emergency Dealership which is nearby the current position and sets it as the destination for route
● My Places	Sets one of the list of previously registered addresses in the My Places for the user as the destination
● Go Home	Sets the previously registered home address as the destination for route guidance
● Go to Office	Sets the previously registered office address as the destination for route guidance
● Previous Start Position	Sets the previous start position as the current destination
● Favorite Place <1 ~ 5>	Sets a previously registered favorite place as the destination for route guidance

Voice Command Lists

Voice Command List

Map

Command	Operation
● Map Current Location	Displays the current position of the vehicle
● 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
● Repeat Voice Guidance	Repeats the route guidance
● Cancel Route	Deletes the designated destination and terminates the route guidance
● Detour <1, 2, 5, 10> mile(s)	Searches detour routes within a <1, 2, 5, 10> mile radius
● Detour <1, 2, 5, 10> kilometer(s)	Searches detour routes within a <1, 2, 5, 10> kilometer radius
● Distance to Destination	Reports the remaining distance until destination by voice
● Time to Destination	Reports the remaining time until destination by voice
● Store Marked Location to <Text Tag> (ex: Store Marked Location to "User 1")	Registers the selected location into the selected Address book
● Replan Fastest Route	Recalculates the route with the fastest route

Command	Operation
● Replan Shortest Route	Recalculates the route with the shortest route
● Zoom In/Zoom Out	Decreases/Increases the map zoom by one level
● Zoom <Scale>	Displays the map in the corresponding zoom <scale> : 150, 300, 700 feet/0.25, 0.5 miles/1 mile/2, 4, 8, 16, 64, 130, 250 miles 50, 100, 200, 400, 800 meters/1.6, 3.2, 6.4, 12, 25, 50, 100, 200, 400 kilometers
● Zoom Minimum	Displays the map screen in the maximum zoom level
● Zoom Maximum	Displays the map screen in the minimum zoom level
● View Route	If the destination has been set, displays the whole route screen until the destination
● XM Traffic	Displays XM Traffic information on the screen
● Auto Zoom On	Turns the Auto Zoom feature on
● Auto Zoom Off	Turns the Auto Zoom feature off
● Auto Mode	Converts the map display is between daylight/night modes automatically
● Daylight Mode	Converts the map display into daylight mode
● Night Mode	Converts the map display into night mode
● North Up	Displays the map in North Up mode
● Heading Up	Displays the map in Heading Up mode

5-14

POI Category List

Restaurants
African Restaurants
American Restaurants
Asian Restaurants
Chinese Restaurants
Coffee Shop
Continental Restaurants
Fast Food
French Restaurants
Italian Restaurants
Japanese Restaurants
Korean Restaurants
Latin American Restaurants
Mexican Restaurants
Seafood Restaurants
Vegetarian Restaurants
Other Restaurants
Automotive
Auto Parts
Auto Service
Automobile Dealership
Car Wash
Gas Station
Hyundai Dealership
Motorcycle Dealership
Parking

Rest Area
Road Assistance
Travel
Airport
Bus Station
Campground
City Center
Ferry Terminal
Hotel
Local Transit
Rental Car Agency
Tourist Attraction
Tourist Information
Train Station
Travel Agent
Shopping
Bookstore
Clothing Shop
Convenience Store
Department Store
Electronics Store
Gift Shop
Grocery Store
Hardware Store
Home Specialty Store
Music Store

Pharmacy
Shoe Store
Shopping Center
Sporting Goods Store
Recreation
Amusement Park
Cinema
Golf Course
Museum
Recreation Area
Ski Resort
Sports Activities
Sports Complex
Video & Game Rental
Winery
Other Recreation
Financial Services
ATM
Bank
Business Facility
Check Cashing Service
Money Transfer
Community
City Hall
Civic Center
Convention & Center

Court House
Fire Department
Government Offices
Library
Police Station
Post Office
School
Utilities
Waste & Sanitary
Services
Attorney
Cleaning & Laundry
Communication Services
Dentist
Funeral Home
Hair & Beauty
Hospital
Medical Service
Mover Services
Photography
Physician
Social Service
Tailor & Alteration
Tax Service

Voice Command Lists

MEMO

5-16



6 Information

- XM Data
- Blue Link
- GPS Information
- Help

CAR AVN SYSTEM

XM Data

About GPS

Press the **INFO** key ► Press **XM Data**



About XM Data Service

The XM Data Service is a paid membership Satellite radio service which provides users with traffic, stock, sports, and weather information. However, weather information is not supported for vehicles purchased in Canada.



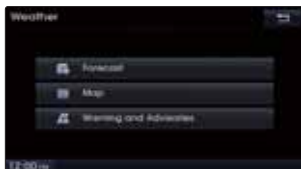
Name	Description
1 Weather	Displays weather information for the next three days Press the More button to check details
2 Traffic	Displays road accident/traffic information Press the More button to check details
3 Stocks	Shows stock information for three Favorite Stocks Press the More button to check details
4 Sports	Shows sports team information for two My Teams Press the More button to check details

6-2

Weather Data Service

Press the **INFO** key ► Press **XM Data** ► Press **Weather** ► **More**

The Weather Service is a service which provides weather information updated ever 5 minutes for your region. The Weather Service includes Tabular Weather, Graphical Weather, Warnings and Advisories Services.



Forecast

Provides current weather information and weather information for the coming next three days for your region.

To change the region, press the **Other City** button and select the desired region.



Map

This service provides weather information, such as Cloud, Fog, Rain, Snow, and Road Conditions on the Navigation map as symbols. Details can be viewed on specific regions by using the zoom in and zoom out features.



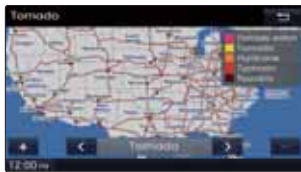
XM Data

XM Data

Warnings and Advisories

This service provides weather warnings and advisories, such as Tornado, Storm, Flood, etc. as symbols on the Navigation map.

Details can be viewed on specific regions by using the zoom in and zoom out features.



6-4

Traffic Data Service

Press the **INFO** key ► Press

XM Data ► Press **Traffic** ► **More**



- Automatic route recalculation (guidance) according to changes in traffic conditions.
- Provides short-cuts for initially searched routes.
- Displays increased detour distance and estimated driving times.
- Displays icons by each traffic situation on the map.

1. Route calculation by incorporating actual road traffic conditions.

Incorporation of traffic information to route calculations is a user option which can be turned on or off by the user.

2. Displays road traffic situations.

RTM (Road Traffic Message) is a feature which displays symbols of icons for each type of road traffic condition, such as locations under construction, accidents, basic weather, and others on map locations based on Traffic information provided by XM.

3. Avoidance of locations where traffic situations have occurred.

If a traffic situation occurs somewhere along the route, the route is recalculated to avoid such locations and an avoidance recalculation popup will be displayed.

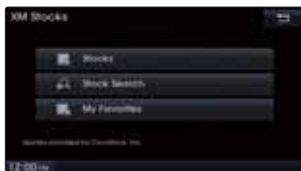
4. Displays traffic Event List.

A list providing details on accidents and an icon which will display the accident location are displayed. The user can view details by pressing on the list or move the map to the accident location by pressing on the accident icons.

Stocks Data Service

Press the **INFO** key ► Press

XM Data ► Press **Stock** ► **More**



XM Stock data Service is a service which provides real-time updated information on the NYSE, NASDAQ, and AMEX (approximately 11,000 symbols)

Stocks

Stocks is a feature that shows the current value and change of stocks.

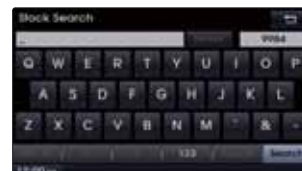
For symbols which you are interested in, press the <Favorites> icon to save the symbol as a part of <My Favorite>.

Saved symbols can be viewed from the My Favorites button on the Stock Main screen.



Stock Search

Use the Stock Search menu to search for specific stocks.



XM Data

XM Data

My Favorites

My Favorites shows list of stocks added by the user.



Sports Data Service

Press the **INFO** key ► Press

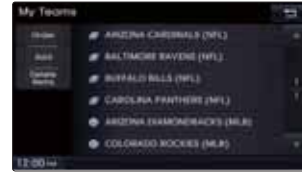
XM Data ► Press **Sports** ► **More**



The service provides real-time updated information on scores and schedules for major sports, such as NFL, NBA, NCAA Football, NCAA basketball, NHL, MLB, NASCAR and more.

My Teams

You can save teams which you are interested in as part of <My teams> to easily view related scores and schedules.



6-6

Blue Link

Blue Link

Press the **INFO** key ► Press

Blue Link



Cautions upon Using Blue Link Service

If you have not subscribed to the Blue Link service, then only the Eco Driving and System Info. buttons can be used.



Name	Description
1 Downloaded POI	Check POI information downloaded from the Blue Link center or website
2 ECO Driving	Displays car fuel economy graphs and eco driving information
3 System Info.	Check Blue Link system information and available updates
4 Gas Station	Check Gas Station information downloaded from the Blue Link center or website
5 Restaurants	Check Restaurant information downloaded from the Blue Link center or website
6 Location Sharing	Check locations of location sharing friends through the Blue Link center or website

Blue Link

Blue Link

Blue Link Safety and Security Service

Auto Crash Notification

Provides immediate assistance when an accident occurs and an airbag is deployed. In this event, an ACN signal, containing customer and location information, will automatically be transmitted to the response center. Upon receipt of the signal, a response specialist will attempt to establish voice communications with the vehicle occupants and forward any pertinent information to emergency services.



SOS

Customers request emergency 911 assistance by pressing the dedicated SOS key in the vehicle. This action transmits vehicle information and location to specially trained response specialists, who assist in coordinating the dispatch of appropriate emergency assistance to the customer.

The response specialist remains on the line with the customer until advised assistance has arrived.



Stolen Vehicle Recovery

In the event a customer's vehicle is reported stolen (and a stolen vehicle report has been filed with the appropriate police department), the response center can provide assistance to the police in an attempt to recover the vehicle.

Vehicle Immobilization

Used with Stolen Vehicle Recovery, this enables law enforcement to send a signal to the vehicle which immobilizes the engine management system, thus preventing startup. This capability is only valid when the ignition is off, but can be saved for later immobilization if the vehicle is on or in motion at the time of signal transmission.

6-8

Vehicle Slowdown

Used with Stolen Vehicle Recovery, this enables law enforcement to gradually reduce the engine power of the vehicle, thus slowing it down to safe levels. A warning shall be transmitted to the driver prior to the slowdown procedure.



Location Information Service

Downloading POIs from the Blue Link Center



1. Press the **Blue Link POI** key on the Room Mirror to connect with the Blue Link Center.



2. Once connection is complete, request the desired POI information through voice recognition to the Blue Link Center.
3. Once the request is processed, the requested POI information is displayed on the screen.



Blue Link

Blue Link

Downloading POIs through the Owner's Website

1. Visit the Blue Link website (www.myhundai.com) to search for desired POI information to send to your vehicle.
2. After transmission is complete, the following POI downloaded message is displayed the next time you turn on your vehicle.



3. Press the **Yes** button to check the list of downloaded POIs.



Checking Downloaded Gas Station Information

Press the **INFO** key ▶ Press

Blue Link ▶ **Downloaded POI**

▶ Press **Gas Station**



Name	Description
1 View Map	Shows location of selected POI on the map
2 Call	Makes call to the selected POI
3 Delete	Deletes the selected POI

Information

- Generally, POI lists are displayed by distance from the current position by dates. To display the list by the downloaded distance, press the **Distance** button.
- If route guidance is being provided to a destination previously set within the Navigation, then the **View Map** button cannot be used to display the map location. Use the feature after route guidance is complete.
- The **Call** feature can be used only when a Bluetooth phone has been connected. To use this feature, first check to see that a Bluetooth phone has been connected.

Checking Downloaded POI Information

Press the **INFO** key ▶ Press

Blue Link ▶ **Downloaded POI** ▶

Press **POI**



Checking Downloaded Restaurant Information

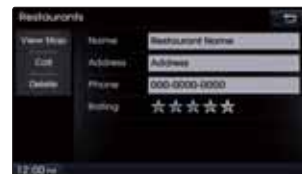
Press the **INFO** key ▶ Press

Blue Link ▶ **Downloaded POI** ▶

Press **Restaurants**



Select a POI on the POI list to view additional POI information.



Blue Link

Checking Locations of Location Sharing Friends

Press the **INFO** key ▶ Press

Blue Link ▶ Press **Location Sharing**



Sending Your Car Position to a Friend



1. Press the **Blue Link PC** key on the Room Mirror to connect with the Blue Link center.



2. Once connection is complete, request to the Blue Link Center consultant that your location be sent to the selected friend.
3. Your location will be sent to the selected friend.

6-12

Car Management Information

Eco Driving

Press the **INFO** key ▶ Press

Blue Link ▶ Press **Eco Driving**

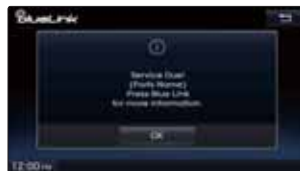


Name	Description
1 Average Fuel Economy	Displays the average fuel economy after starting the ignition
2 Fuel Consumption last 2.5 min	Displays the fuel economy and consumption for the last 2.5 minutes
3 Eco Reward	Eco Rewards are acquired when actual fuel economy is better than the average fuel economy
5 Help	Provides additional information on Fuel Economy and Eco Driving

Maintenance Alert Notification

This feature displays a notice alerts when parts are due for replacements or inspections.

Parts replacement/inspection alerts are also provided regularly through the website, emails and text messages.



Automated DTC (Diagnostic Trouble Code) Notification

This feature displays potential abnormalities and countermeasures when potential vehicle abnormalities are detected.



Blue Link

Blue Link

Recall and Campaign Advisor

The following message alerts are displayed once vehicle recall or campaign information or received.



Blue Link System Information

Press the **INFO** key ▶ Press

Blue Link ▶ Press **System Info**



Name	Description
1 Model	Displays the vehicle Blue Link model name
2 Version	Displays the hardware and software Version
3 MEID NO.	Blue Link system ID number
4 Update (USB)	Used to update the Blue Link system through USB

6-14

GPS Information

About GPS

GPS (Global Position System) :

GPS is a system developed and operated by the United States that determines the user's current position (longitude · latitude, etc) by using 4 or more satellites.

This system is used with related GPS information, various sensors, road map data, and other related information to provide navigation services

i Information

- For continued map updates, information-gathering and surveys are conducted continuously to monitor road changes or new road constructions. Nonetheless, roads, facilities, and fares are under constant change and it is impossible to completely remove all errors, including road updates, names, facilities, and fares. Please keep such fact in mind when using GPS.

- In principle, roads with widths less than 3yards are not included within the map data. Roads with sections with widths less than 3yards may be deleted in future map data updates.

When GPS Info Cannot Be Used

GPS info may not operate under the following 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 is not transmitting
- When a digital cellular phone (1.5GHz) is placed near the GPS antenna

Errors Unavoidable Due to System Characteristics

- The navigation 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 that occur in such conditions cannot be corrected.

GPS Information

Help

Viewing GPS Info

Press the **INFO** key ► Select **GPS Info**

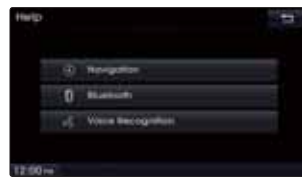


The GPS reception and vehicle speed information are displayed.

6-16

Viewing Help

Press the **INFO** key ► Select **Help**



Help sections on the Navigation and Bluetooth® features can be selected and viewed.

Help

MEMO

6-18



7 Other Features

- Climate Mode
- PGS

CAR AVN SYSTEM

Climate Mode

Operating Climate Mode

Press the **CLIMATE** key to display the Climate status bar.



i Information

- When operating the Multimedia or Navigation mode, press a Climate related key, such as **TEMP**, **AUTO**, **A/C** to display the Climate status bar at the top of screen.

7-2

Basic Mode Screen



Name	Description
1 Driver-side temperature	Displays the driver-side temperature
2 AUTO Display	Displays whether the heating/cooling auto function is on/off
3 A/C Display	Displays whether the a/c is on/off
4 Fan level Display	Displays the current fan level
5 Fan Direction Display	Displays the set fan direction
6 DUAL Display	Enables the driver/passenger temperature to be set independently
7 Passenger-side temperature	Displays the passenger-side temperature

Climate Mode



Climate Mode

Basic Operation

Controlling Driver/Passenger Temperature Simultaneously

Press the **DUAL** key to turn the DUAL setting off.



When DUAL is disabled, the driver-side and passenger-side temperatures are controlled simultaneously.

i Information

- The cabin temperature can be adjusted in 0.5°C units within a range of 17.5°C~31.5°C.
- The temperature will be displayed as LOW once it is adjusted below 17.5°C and HIGH once it is adjusted above 31.5°C.

Controlling Driver/Passenger Temperature Independently

Press the **DUAL** key to turn the DUAL setting back on.



7-4



When DUAL has been enabled, the driver-side and passenger-side temperatures can be controlled independently.

i Information

- When setting the driver-side temperature with DUAL on, the DUAL button will turn OFF if the driver-side temperature is set to LOW or HIGH.

Setting Fan Direction

Press the fan keys to change the fan direction.



i Information

- When setting the driver-side temperature with DUAL on, the DUAL button will turn OFF if the driver-side temperature is set to LOW or HIGH.

Climate Mode

Setting Fan Level

Press the  key to change the fan level.



Information

- If the fan level is changed while in AUTO mode, AUTO mode will turn off.

7-6

PGS(Parking Guide System)

About PGS (Parking Guide System)

- PGS System is a system which provides monitored parking guidance.
- The PGS will operate automatically when the ignition Key is turned ON and the transmission level is set to Reverse. The PGS will automatically stop operating when the transmission shift lever is set outside of reverse.
- The PGS(Parking Guide System)is an optional feature.

Operating Sequence of the PGS

1. Position the ignition key in ACC or ON.
2. Position the transmission lever to R.
3. The PGS mode will be displayed on the screen.

Information

- Guidance track is as follows.
 - Red line : 1.64 feet from the rear bumper.
 - Yellow line : 3.28 feet from the rear bumper.
 - Blue line : 9.84 feet from the rear bumper.
 - Red line : Track following left side driver side wheel.
 - Yellow line : Track following right side passenger side wheel.

PGS



MEMO

7-8



8 Setup

· Using Setup

CAR AVN SYSTEM

Using Setup

Basic Mode Screen

Press the **SETUP** key to display the Setup screen.



Name	Description
1 Sound	Sets sound related settings
2 Display	Sets display related settings
3 HD Radio	Sets HD Radio related settings
4 Bluetooth®	Sets Bluetooth® related settings
5 Navigation	Sets various settings found within Navigation mode
6 Edit My Places	Set/Edit My Places within Navigation Mode
7 Traffic	Sets Traffic Information related settings
8 Voice Recognition	Sets voice recognition related settings
9 Clock	Sets current time and clock display
10 Picture Frame	Sets screen displayed when device is turned off
11 Keyboard	Sets the keyboard type
12 Language	Sets language for use within the system
13 System Update	Checks system software version and receive updates
14 Display Off	Turn device display on/off (The device power will not be turned off)
15 Close	Close Setup menu screen

8-2

Starting Mode

Press the **SETUP** key to display the Setup screen.



Press the **SETUP** key to can check and change the settings for all features found within the Navigation system.

Sound

Press the **SETUP** key ▶ Press

Sound

Setting Balance/Fader

Press the **Sound** button ▶ Press

Fader/Balance ▶ Set and press **Done**



Use the **▲**, **▼**, **◀**, **▶** buttons to move the cursor on the control screen to the desired position.

Press **Default** to restore sound to the center position.

Information

- The Balance/Fader settings allows you to set the sound position. For example, you can set the sound close to the driver-seat so that the volume is relatively lower in the passenger or rear seats.

Setting Bass/Mid/Treble

Press the **Sound** button ▶ Press

Bass/Mid/Treble ▶ Set and press **Done**



Use the **◀** or **▶** buttons to adjust the Bass/Mid/Treble settings.

Using Setup

Using Setup

Information

- Press the **Default** button to restore the Bass/Mid/Treble to the center position.

Setting Volume Ratio

Press the **Sound** button ▶ Press **Volume Ratio** ▶ Set and press **Done**



Name	Description
1 Navigation Priority	Navigation guidance is output louder than audio Volume
2 Audio Priority	Audio volume is output louder than the navigation guidance
3 Same Ratio	Audio volume and navigation guidance are output in identical volume

8-4

Advanced

Variable-EQ (Actune 앰프 적용 시)

Press the **Sound** button ▶ Press **Advanced** ▶ Press **Variable-EQ** ▶ Set and press **Done**



세 가지의 원하는 고급음향효과를 설정할 수 있습니다.

Speed Dependent Volume Control

Press the **Sound** button ▶ Press **Advanced** ▶ **Turn the feature On** ▶ Set and press **Done**



The volume level is controlled automatically according to the vehicle speed.

Setting Beep

Press the **Sound** button ▶ Press **Beep** ▶ Set and press **Done**



Each press of this button turns the BEEP tone on/off.

Information

- When the light on the left side of the button is turned on, this indicates that the BEEP tone is active. Press the **Beep** button again to turn off the BEEP tone.

Display

Press the **SETUP** key ▶ Press

Display

Adjusting Screen

Press the **Display** button ▶ Press **Adjust Screen** ▶ Set and press **Done**

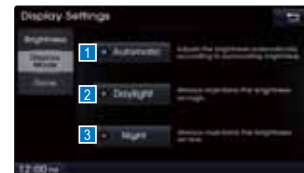


Use the **◀** or **▶** buttons to adjust the display brightness and color.

Setting Illumination

Press the **Display** button ▶ Press

Illumination



Name	Description
1 Automatic	Adjusts the brightness automatically according to surrounding brightness
2 Daylight	Always maintains the brightness on high
3 Night	Always maintains the brightness on low

Using Setup

Using Setup

i Information

- When set to Automatic, the screen brightness and color will automatically be adjusted according to the surrounding brightness.

HD Radio

Press the **SETUP** key ▶ Press

HD Radio



These settings are used to set whether to turn HD Radio On/Off.

Name	Description
1 FM-HD Radio	Used to set FM-HD Radio On/Off
2 AM-HD Radio	Used to set AM-HD Radio On/Off

Bluetooth®

Press the **SETUP** key ▶ Press

Bluetooth



These menus allow you to set Bluetooth® related features.

8-6

Name	Description
1 Auto Connection Settings	Sets Bluetooth® device auto connection when car ignition is turned on between the vehicle and Bluetooth® devices
2 Contacts Sync Setting	Automatically downloads the mobile phone contacts and call histories to the car upon connecting Bluetooth®
3 Contacts Download Setting	Sets which Contacts to download from between Mobile or SIM contacts
4 Streaming Audio Setting	Sets whether to use the streaming audio feature
5 Advanced Settings	Sets Bluetooth related settings, including Change Passkey, Change Device Information, Delete Favorites, Delete Call History and Restore Factory Settings

Auto Connection Settings

Press **Bluetooth** button ▶ Press

Auto Connections Settings ▶ Set and press **Done**



If auto connection is turned on, a Bluetooth® device will automatically be connected according to the option setting when the car ignition is turned on.

Name	Description
1 Disable Auto Connection	Disables auto connection
2 Previously Connected Phone	Automatically connects the previously connected Bluetooth® device
3 User Selected Phone	Automatically connects to the set Bluetooth® device
4 Connect by Priority	Automatically connects according to the set Bluetooth® phone priority

i Information

- If you press the **Setting** button next to the **User Selected Phone** and **Connect by Priority** options, you can designate the phone you want to connect or set the phone priority.

Using Setup

Using Setup

Contacts Sync Setting

Press **Bluetooth** ► Press **Contacts Sync Setting** ► Set and press **Done**

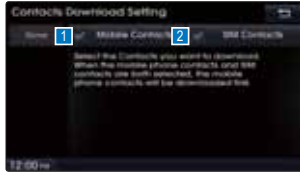


This feature automatically downloads the mobile phone contacts and call histories to the car upon Bluetooth® connection. If you do not wish to use Contacts Sync, turn the feature off.

i Information _____
 · This feature may not be supported in some Bluetooth® devices.

Contacts Download Setting

Press **Bluetooth** ► Press **Contacts Download Setting** ► Set and press **Done**



You can select the contacts you wish to download.

Name	Description
1 Mobile Contacts	Download contacts saved in your mobile phone
2 SIM Contacts	Download contacts saved in SIM

Streaming Audio Setting

Press **Bluetooth** ► Press **Streaming Audio Setting** ► **Done**



When streaming audio is turned On, you can play music files saved in your Bluetooth® device from the car.

i Information _____
 · This feature may not be supported in some Bluetooth® devices

8-8

Advanced Settings

Press **Bluetooth** ► Press **Advanced Settings**



Name	Description
1 Change Passkey	Changes the passkey used to authenticate Bluetooth® Device
2 Device Information	Searches car Bluetooth® device information and change device name
3 Delete All Favorites	Deletes all favorites of connected Bluetooth® Device
4 Delete All Call History	Deletes all call history of connected Bluetooth® Device
5 Restore Factory Settings	Restores Bluetooth® factory state settings

Advanced Settings allow you to control additional Bluetooth® related settings. For safety, first park the vehicle in a safe location to operate these features.

Change Passkey

Press **Bluetooth** ► Press **Advanced Settings** ► Press **Change Passkey** ► Set and press **Done**



This feature is used to change the passkey required to connect a Bluetooth® device to the car.

i Information _____
 · The default passkey is 0000.

Using Setup

Using Setup

Device Information

- Press **Bluetooth** ▶ Press
- Advanced Settings** ▶ Press
- Device Information**



This feature allows you to check device information.

- i** Information
- Press the **Change Name** button to change the name of the device.
 - The default car name is set to Santa Fe.
 - The device name and address shown in the above is only an example. Check your device for the actual device information.

Delete All Favorites

- Press **Bluetooth** ▶ Press
- Advanced Settings** ▶ Press
- Delete All Favorites**



This feature allows you to delete all Favorites saved in the Car Handfree for the currently connected Bluetooth device.

- i** Information
- If there are no Favorites or a Bluetooth® device is not connected, the **Delete All Favorites** button will be disabled.

Delete All Call History

- Press **Bluetooth** ▶ Press
- Advanced Settings** ▶ Press
- Delete All Call History**



This feature allows you to delete all call histories saved in the Car Handfree for the currently connected device.

- i** Information
- If there are no call histories or a Bluetooth® device is not connected, the **Delete All Call History** button will be disabled.

8-10

Restore Factory Settings

- Press **Bluetooth** ▶ Press
- Advanced Settings** ▶ Press
- Restore Factory Settings**



Turning on this feature will erase all paired phones and allows you to restore Bluetooth® related settings and data to the default factory settings.

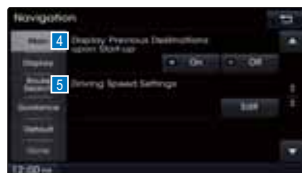
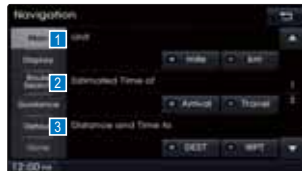
- i** Information
- The **Restore Factory Settings** feature cannot be used when a Bluetooth® device is connected. To use this feature, first disconnect the Bluetooth® device.

Navigation

- Press the **SETUP** key ▶ Press
- Navigation**

Main

Press the **Navigation** button ▶ Press **Main** ▶ Set and press **Done**



This menu is used to set general navigation options.

Name	Description
1 Unit	Sets whether to display distance as km/mi
2 Estimated Time of	Set whether to display estimated time of arrival or travel on the route info display screen
3 Distance and Time to	Set whether to display distance and time to destination or to waypoint on the route info display screen
4 Display Previous Destinations upon Start-up	Set whether to display the previous destinations popup upon starting system
5 Driving Speed Setting	Set basic info to calculate estimated arrival time to destination or waypoint

Using Setup

Using Setup

i Information

- When you have finished with the settings, press the **Done** button to save changes.

Driving Speed Setting

Press the **Edit** button within the "Driving Speed Setting" menu to set the estimated driving speed for residential roads, main streets, and expressways. The set driving speed is applied to calculate the estimated time to reach the destination or waypoint.



The changed driving speed is used to calculate the estimated time until the destination or waypoint.

Press the **Default** button to reset the driving speed settings.

i Information

- Default Driving Speed Settings for Residential, Main Streets, and Expressways are 20mph, 35mph, and 60mph, respectively.

8-12

Display

Press the **Navigation** button ► Press **Display** ► Set and press **Done**



This menu is used to set the color of the Route Indicator line displayed when receiving route guidance.

i Information

- When you have finished with the settings, press the **Done** button to save changes.

Route Indicator Line

Press the **Edit** button within the **Route Indicator Line** menu to change the color of the route indicator line.



Route Search

Press the **Navigation** button ► Press **Route Search** ► Set and press **Done**



This menu is used to set route search related options.

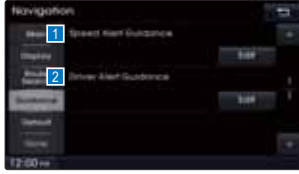
Name	Description
1 Use Alternative Route Search	Set whether to first display alternative routes upon conducting route search
2 Display Route Options after Re-calculation	Set whether to display the pop-up screen that allows changes to route options upon route recalculation

Using Setup

Using Setup

Guidance

Press the **Navigation** button ► Press the desired **Guidance** ► Set and press **Done**.



This menu is used to set options on speed alerts and driver alerts.

Name	Description
1 Speed Alert Guidance	Set options related to various camera alerts
2 Driver Alert Guidance	Set options related to speed bumps, curves, and merges

Speed Alert Guidance

To change the Speed Alert Guidance option, press the **Edit** button within the "Speed Alert Guidance" menu.



Name	Description
1 Guidance Setup	Sets alarm sound for speed alerts/over speeding and speed guidance when volume is muted.
2 Distance Setup	Sets camera guidance alarm distance

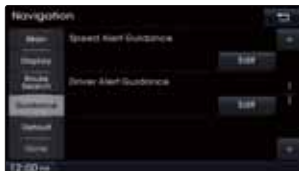
Information

- Distance can be set in 0.06mi units. To initialize settings, press the **Default** button.

8-14

Driver Alert Guidance

To set the Driver Alert Guidance, option, press the **Edit** button within the "Driver Alert Guidance" menu.

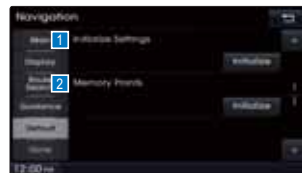


Information

- Alerts provided within Driver Alert Guidance may differ depending on actual road conditions.

Default

Press the **Navigation** button ► Press **Default** ► Set and press **Done**.



This menu is used to reset saved changes and user preferences.

Name	Description
1 Initialize Settings	Resets all settings back to the default state
2 Memory Points	Resets all saved memory point information

Information

- If the settings of an option are reset, then all settings will be restored to the default factory state.
- Heed caution as Home, Office and other user locations may become deleted.

Using Setup

My Places

Press the **SETUP** key ▶ Press **Edit My Places**

My Places

Press the **Edit My Places** button ▶ Press **My Place** ▶ Set and press **Done**



8-16

From the My Places list, select the desired menu to either add, delete or edit My Places.

Name	Description
1 Store current Position	Add the current vehicle position as a My Place
2 Add My Places	Add a My Place by using search functions
3 Edit My Places	Edit information pertaining to saved My Places, such as name, location, and telephone number
4 Delete selected My Places	Delete one or all saved My Places
5 Edit Group name	Edit name of corresponding group

Information

- By default, names of folders have been set as "Group".

Favorite Places

Press the **Edit My Places** button ▶ Press **Favorite Places** ▶ Set and press **Done**



A total of 4 Favorite Places can be saved. Favorite Places can be selected at the bottom of the Destination Search main screen.

Name	Description
1 Store current Position	Adds the current vehicle position as a Favorite Place
2 Add Favorite Place	Add a Favorite Place by using search functions
3 Edit Favorite Place	Edit information pertaining to saved Favorite Places, such as name, location, and telephone number
4 Delete Favorite Place	Delete one or all saved Favorite Places

Information

- If Favorite Places have not been added, the **Edit Favorite Place** and **Delete Favorite Place** buttons will be disabled.

Home, Office

Press the **Edit My Places** button ▶ Press **Home** or **Office**



Information

- If the Home and Office has not been set, these buttons will be displayed as disabled within the Destination Search screen.

Speed Alerts

Press the **Edit My Places** button ▶ Press **Speed Alerts** ▶ Set and press **Done**



One Home and Office can each be saved. The set Home and Office positions can be selected at the bottom of the Destination Search main screen.

Using Setup



In the Edit Speed Alert screen, **Name**, **Address**, and **Speed Limit** speed can be set and edited.

Traffic Setup

Press the **SETUP** key ► Press

Traffic Setup



This menu is used to set options related to traffic and flow data, voice prompts, and re-routing options based on traffic conditions.

Name	Description
1 Data Radio ID	Check information on XM traffic data service activation and activation ID
2 Display Traffic and Flow Data on Map	Sets whether to display real-time traffic information on map
3 Voice Prompt for Traffic and Flow Warning	Sets whether to receive voice prompts for real-time traffic information and conditions
4 Provide Re-Routing Options	Sets whether to use re-routing options by reflecting traffic conditions

Information

- XM Traffic Data service requires a separate subscription. To subscribe to this service, please contact the number displayed on the screen.

8-18

Voice Recognition Settings

Press the **SETUP** key ► Press

Voice Recognition ► Set and press

Done



This menu is used to set voice recognition mode between Normal and Expert mode.

Name	Description
1 Normal	When using voice recognition, provides detailed prompts and is suited for beginner users
2 Expert	When using voice recognition, omits certain prompts and is suited for experienced users

Clock Settings

Press the **SETUP** key ► Press **Clock**

Clock Setting

Press **Time** ► Set and press **Done**



This menu is used to set the time used within the Navigation system.

Name	Description
1 GPS Time	Displays time according to the received GPS time
2 Daylight Saving Time	Turns on/off daylight saving time feature
3 Time Format	Converts the time system shown when within digital clock between 12 hour/24 hours

Information

- When Daylight Savings Time is turned on, the clock is moved back one hour.

Using Setup

View

Press **Clock** ► Press **View** ►
Set and press **Done**



This menu is used to set the clock type and date display within the Navigation system.

Name	Description
1 Clock Type	Changes Clock Type (Digital/Analog)
2 Date Display	Sets whether to display date within Clock screen

⚠ CAUTION

- The time may not be properly displayed if the GPS time is not connected.

8-20

Picture Frame

Press the **SETUP** key ► Press **Picture Frame** ► Set and Press **Done**



This menu is used to select the screen displayed when the system power is turned off.

Name	Description
1 Clock	Displays the clock on the screen when the system power is turned off
2 Image	Displays an image when the system power is turned off.
3 No Image	No image is displayed when the system power is turned off

i Information

- When the picture frame is set to Image, images saved within a USB can be as the picture frame by pressing the **Browse** button.

Keyboard

Press the **SETUP** key ► Press **Keyboard** ► Set and press **Done**



This option allows you to change the type of keyboard used within the system.

Name	Description
1 ABC	Keyboard with characters arranged in order
2 QWERTY	Keyboard similar to the one used within a computer

i Information

- The set keyboard will be applied to all input modes across the entire system.

Language

Press the **Language** ► Set and Press **Done**



This menu is used to set the language of the system display and voice language. You can select the desired language from English, French, Spanish and Korean.

Using Setup

System Update

Press the **SETUP** key ▶ Press
System Update ▶ Press **Update** ▶
OK



After inserting the SD card with the update file, press OK to start the update.

Once updating is complete, the system will automatically restart.

8-22

i Information

- This product requires regular updates for software corrections, new functions and map updates. Updating may require up to 1 hour depending on the data size.
- Turning off the power or ejecting the SD card during the update process may result in data loss. Make sure to keep the ignition on and wait until updating is complete.
- Map and software updates can be downloaded from the designated website (<http://www.hyundaiusa.com>) and updated through the SD card.

⚠ CAUTION

- Please use only the SD card that was included with the vehicle purchase.
- The use of a separately purchased SD card may result in damage due to heat related deformation.
- Product malfunctions caused by the use of separately purchased SD cards shall not be covered within the product warranty.
- Repeatedly connecting/disconnecting the SD card in a short period of time may cause damage to the device.

Display Off

Press the **SETUP** key ▶ Press
Display Off



Press the **Display Off** button to turn off the display. Touch anywhere on the touch screen to turn the display back on.

i Information

- This feature is used to listen to only sound and can be very helpful in preventing glare from the screen when driving at night.
- Even when the display is off, sound will be played.



9 Appendix

- Product Specification
- Before thinking the product has malfunctioned
- Before thinking there is a product defect
- Troubleshooting
- FAQ

CAR AVN SYSTEM

Appendix

Product Specification

DOLBY

Manufactured under license from Dolby Laboratories. Dolby and double-D symbol are trademarks of Dolby Laboratories.

DTS

Manufactured under license under U.S. Patent No.: 5,956,674; 5,974,380; 6,487,535 & other U.S. and worldwide patents issued & pending. DTS, the Symbol, & DTS and the Symbol double-D symbol are trademarks & DTS Digital Surround and the DTS logos are trademarks of DTS, Inc. Product includes software.
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TFT-LCD

Screen Size	Navigation Device - 17.78cm (152.4 x 91.44mm)
Resolution	Navigation Device - 384,000 pixels (Resolution: 800 x 480)
Operating Method	TFT(Thin Film Transistor) Active Matrix
Viewing Angle	Navigation Device - left/right: 70°, Top: 60°, Bottom 50°
Internal Lighting	LED 14EA, UP/DOWN Assignment

9-2

Radio

Channels	FM: 87.5MHz ~ 108.0MHz(Step: 100kHz)		
	AM : 531kHz ~ 1602kHz(Step : 9kHz)		
Sensitivity	FM: Under 10dBu /AM: Under 40dBu		
Distortion Factor	Within 2%	Speakers	2 ~ 8 Ω

Integrated Antenna

Operating temperature	-30°C ~ +85°C	Storage temperature	-40°C ~ +105°C
Dimensions	78.7mm(W) x 70.8mm(H) x 153.2mm(L)		
Weight	210g		

Common

Name	Car TFT LCD Display Navigation Unit		
Power Supply	DC 14.4V	Operating Power	DC 9V ~ DC 16V
Current consumption	2.5A	Dark Current	2mA (Head Unit Only)
Operating Temperature	-20° ~ 70°	Storage Temperature	-30°C ~ + 80°C
Dimensions	221.8mm(W) x 171mm(H) x 225mm(D)		
Weight	2.7 Kg		

Bluetooth

Frequency Range	2402 ~ 2480 MHz	Supported Bluetooth Specification	2.1 + EDR
Supported Profile	Handsfree(1.5), A2DP(1.0), AVRCP(1.3), PBAP(1.0)		
Output	0.05mW	Transmission	F1E, G1E

CAUTION

- The producer and installer cannot provide services related to life safety as the concerned radio equipment is liable to radio interference.

KCC Certification

Device Name	Low-power wireless communication device (wireless device for radio data communication)
Model Name	AV310DMDG
Certification Number	Certification No. : KCC-CMM-HMO-AV310DMDG
Company Name	Hyundai Mobis
Manufacturer/ Country	Hyundai Mobis/Republic of Korea

Appendix

Before thinking there is a product defect

The current position as shown on the navigation may differ from the actual position under the following conditions.

The following occurrences are not malfunctions

- When driving on Y-shaped roads with narrow angles the current position may be displayed in the opposite direction
- The current position may be displayed on the opposite side of the road
- Within city streets, the current position may be displayed on the opposite side or on an off-road position
- When changing the zoom level from maximum to a different level, the current position may become displayed on a different road
- If the vehicle is loaded onto a ferry or a car transport vehicle, the current position may become 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 passing an underground parking structure, building parking structure, or roads with many rotations
- When driving in heavy traffic with frequent go/stops
- When driving under slippery conditions, such as heavy sand, snow, etc.
- When driving on spiral-shaped roads
- When the tires have recently been replaced (Especially upon use of spare or studless tires)
- When using tires of improper size
- When the tire pressure for the 4 tires are different
- When the replacement tire is worn or used (Especially studless tires having passed a 2nd seasons)
- When driving near high-rise buildings
- When a roof carrier has been installed
- When a long distance route is calculated while driving on an expressway In such cases, continued driving will automatically enable the system to conduct map matching or use updated GPS information to provide the current position (In such cases, up to several minutes may be required)

Correct route guidance may not occur due to search conditions or driving position.

The following occurrences are not malfunctions

- 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 may occur in some No u-turn intersections
- Route guidance signaling entrance into a No-entry zone may occur (No enter zone, road under construction, etc.)
- Guidance may be given to a position that is not 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 away from the designated route (ex: if a turn is made at an intersection while the navigation provided guidance to go straight)

The following may occur after conducting route calculation.

The following occurrences are not malfunctions

- Guidance may be given to a position differing from the current position when turning at an intersection
- When driving in high speeds, route recalculation may take a longer period of time
- Route guidance signaling for a u-turn may occur in some No u-turn intersections
- 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 away from the designated route (ex: if a turn is made at an intersection while the navigation provided guidance to go straight)

9-4

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 HYUNDAI dealer.

Problem	Possible Cause
There are small red, blue, or green dots on the screen	<ul style="list-style-type: none"> • 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	<ul style="list-style-type: none"> • 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	<ul style="list-style-type: none"> • 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	<ul style="list-style-type: none"> • 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 nearest HYUNDAI dealer for assistance
Sound is working from only one speaker	<ul style="list-style-type: none"> • Is the position of FAL/BAL sound controls or volume adjusted to only one side?

Problem	Possible Cause
Sound and video does not work in AUX mode	<ul style="list-style-type: none"> • Re the audio and video connector jacks fully inserted into the AUX terminal?
The external device is not working	<ul style="list-style-type: none"> • Is the external device connected with a standard connector cable?
Upon turning power on, the most recent mode screen is not displayed	<ul style="list-style-type: none"> • Within modes that play files by reading external sources, such as discs, USB, iPod, or Bluetooth® streaming mode, the most recently played mode screen prior to turning off power may not properly load • If there is no disc or the corresponding device is not connected, the mode operated prior to the most recent mode will operate • If the previous mode still cannot be properly played, the mode operated prior to that will operate

Appendix

Troubleshooting

Problem	Possible Cause	Countermeasure
The power does not turn on	The fuse is disconnected	<ul style="list-style-type: none"> 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	<ul style="list-style-type: none"> Check to see that the device has been properly connected
The system does not Play	The disc has not been inserted or has been inserted upside down	<ul style="list-style-type: none"> Insert the disc properly so that the sides are facing the correct Direction
	The disc has been Contaminated	<ul style="list-style-type: none"> Wipe away dirt and other foreign substances from the disc
	The vehicle battery is Low	<ul style="list-style-type: none"> Charge the battery if the problem persists, contact your point of purchase or service center
	A disc not supported by the device has been Inserted	<ul style="list-style-type: none"> Insert a disc which is supported by the device

Problem	Possible Cause	Countermeasure
The image color/tone quality is low	The brightness, saturation, hue, and contrast levels are not set properly	<ul style="list-style-type: none"> Properly adjust the brightness, saturation, hue, and contrast levels through Display Setup
Sound does not work	<ul style="list-style-type: none"> The volume level is set the lowest level The connection is not proper The device is currently fast-forwarding, rewinding, scanning, or playing in slow mode 	<ul style="list-style-type: none"> Adjust the volume level Check to see that the device has been properly connected 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	<ul style="list-style-type: none"> The disc is dirty or scratched
<ul style="list-style-type: none"> Vibration is occurring from where the conversion switch has been installed Image color/tone quality is low 		<ul style="list-style-type: none"> The sound may be short-circuited and the image distorted if the device vibrates The device will return to normal once vibrations stop

9-6

Problem	Possible Cause	Countermeasure
The USB does not work	<ul style="list-style-type: none"> USB memory is damaged 	<ul style="list-style-type: none"> Please use after formatting the USB into FAT 12/16/32 format
	<ul style="list-style-type: none"> USB memory has been contaminated 	<ul style="list-style-type: none"> Remove any foreign substances on the contact surface of the USB memory and multimedia terminal
	<ul style="list-style-type: none"> A separately purchased USB HUB is being used 	<ul style="list-style-type: none"> Directly connect the USB memory with the multimedia terminal on the vehicle
	<ul style="list-style-type: none"> A USB extension cable is being used 	<ul style="list-style-type: none"> Directly connect the USB memory with the multimedia terminal on the vehicle
	<ul style="list-style-type: none"> A USB which is not a Metal Cover Type USB Memory is being used An HDD type, CF, SD Memory is being used 	<ul style="list-style-type: none"> Use standard USB Memory
	<ul style="list-style-type: none"> There are no music files which can be played 	<ul style="list-style-type: none"> Use 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	<ul style="list-style-type: none"> There are no titles which can be played The iPod firmware version has not been properly updated The iPod device does not recognize downloads 	<ul style="list-style-type: none"> 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
--	--	---

i Information

- While operating the device, if an abnormality occurs that cannot be corrected with the above described measures, press the **Reset** key to reset the system.
- press and hold the **Reset** key (over 0.8 seconds). The device power will turn off and the system will reset.

Appendix

FAQ

About Pairing Mobile Phones

Q I cannot pair my mobile phone. What is the cause?

A Check to see that the mobile phone supports Bluetooth® function. If your phone is a Bluetooth® phone, then check to see whether the Bluetooth setting within your phone been is set to 'Hidden'. If the device is set to hidden, please un-hide the device (set to unhidden state).

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

A Pairing occurs through authenticating the head unit and mobile phone. Mobile phones paired to the head unit can be connected and disconnected until the paired mobile phone is deleted from the system. Bluetooth® Handsfree features, such as making/answering calls or managing Contacts, are supported only in mobile phones connected with the head unit.

9-8

Q What is a Passkey?



A A passkey is the password used to authenticate the connection between the head unit and mobile phone. The passkey only needs to be entered once when pairing the mobile phone for the first time.

The initial passkey is 0000. The passkey can be changed by pressing


SETUP ▶ **Bluetooth** ▶ **Advanced Settings**
Change Passkey menu.

About Making/Answering Phone Calls

Q How can I answer a call?

A When there is an incoming call, a notification pop-up will become displayed. To answer the incoming call, press the **Accept** button on the screen or the  key on the steering remote controller. To reject the call, press the **Reject** button on the screen or press the  key on the steering remote controller.

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

A While one a call, press and hold (over 0.8 seconds) the  key on the steering remote controller or press the **Private** button at the bottom of the Phone screen to switch the call to your mobile phone.

About Bluetooth®/Head Unit Use Environment

Q What is the distance in which wireless connection can be used?

A The wireless connection can be used within 15 yards.

Q How many mobile phones can be paired?

A It is possible to pair up to five mobile phones.

Q What does call quality sometimes worsen?

A Check the reception sensitivity of the mobile phone when call quality becomes worsened. The call quality may deteriorate when the signal strength is low. Call quality may also worsen if metal objects, such as drink cans, are placed near the mobile phone. Check to see if there are metal objects in the vicinity of the mobile phone. The call sound and quality may differ depending on the type of mobile phone.

MEMO

9-10

MAP DATABASE 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

This device complies with Industry Canada licence-exempt RSS standard(s).

Operation is subject to the following two conditions: (1) this device may not cause interference, and (2) this device must accept any interference, including interference that may cause undesired operation of the device.

Le présent appareil est conforme aux CNR d'Industrie Canada applicables aux appareils radio exempts de licence.

L'exploitation est autorisée aux deux conditions suivantes : (1) l'appareil ne doit pas produire de brouillage, et