3ZUF01
(유럽/영어-English)

CAR MULTIMEDIA SYSTEM | USER'S MANUAL

i40 | 유럽/영어-English

i40

3ZMS4-B6000

NEW THINKING.
NEW POSSIBILITIES.

HYUNDAI

Thank you for purchasing this multimedia system.

This user manual explains how to use the HYUNDAI Motor multimedia system.
Before using the product, read the contents of this user manual carefully. Please use this product safely.

- The screens shown in this manual may differ from the actual screens on the product.
- The design and specification of this product may change without prior notification for the purpose of product improvement.
- When transferring the vehicle to another individual, include this user manual so that the next driver can continue using it.

Precautions for safe usage

- Driving while distracted can result in a loss of vehicle control that may lead to an accident, severe personal injury or death. The driver's primary responsibility is the safe and legal operation of a vehicle. Hand-held devices, other equipment or vehicle systems that take the driver's eyes, attention and focus away from the safe operation of a vehicle or that are not permissible by law should never be used during operation of the vehicle.
- Do not operate the multimedia system while driving.
- Do not disassemble, assemble or modify the multimedia system.
- Do not watch the screen for prolonged periods of time while driving.
- Set the volume to a level that allows the driver to be aware of external conditions.

- Do not operate the multimedia system for prolonged periods of time with the vehicle ignition in ACC. Such operation may lead to battery discharge.
- Be careful not to spill water or introduce foreign objects into the device.
- Do not cause severe shock to the device. Direct pressure on the front of the monitor may cause damage to the LCD or touch-screen.
- In case of product malfunction, please contact your place of purchase or service centre.
- When cleaning the touchscreen, turn off the device and use a dry, smooth cloth. Never use tough materials, chemical cloths or solvents (alcohol, ammonia, benzene, thinners, etc.) as such materials may damage the device panel or cause colour and quality deterioration.

⚠ **WARNING**
- Driving while distracted can result in a loss of vehicle control that may lead to an accident, severe personal injury or death. The driver's primary responsibility is the safe and legal operation of a vehicle. Hand-held devices, other equipment or vehicle systems that take the driver's eyes, attention and focus away from the safe operation of a vehicle or that are not permissible by law should never be used during operation of the vehicle.

- The rear-camera display is not a substitute for proper and safe reversing procedures. The rear-camera display may not display every object behind the vehicle. Always drive safely and use caution when reversing.

Read the following safety precautions

Before using the product, read the contents of this user manual carefully. Please use this product safely.

※ The design and specifications of this product may change without prior notification for product and service improvement.
The actual features in the vehicle may differ from the illustrations.
For more accurate information about the vehicle, please refer to the catalogue.

※ For more information on open licences and legal notices, refer to the website below.
http://www.mobiszone.co.kr/front/mall/jsp/manual/avn_download_center_manual.jsp

Notations used in this User Manual

⚠ **WARNING**
- Failure to observe the instructions in this section could result in damage to the vehicle.

⚠ **CAUTION**
- Information on matters that could potentially lead to injury or vehicle damage/malfunction Information that could lead to better user safety

ℹ **Information**
- Information and tips that make using the product more convenient

📝 **NOTICE**
- Information on specific features that facilitate proper product use and understanding of functions
- Information on terminology used in this manual

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⚠ CAUTIONS for Using SD Cards

• Ejecting and Inserting SD Cards

- Ejecting and inserting SD cards while the multimedia system is operating may result in SD Card or System errors. To eject or insert the SD card, first turn off the multimedia system and the vehicle ignition.
- Eject/insert SD cards only to update the multimedia system with a new version.

• Use of SD Cards

- SD cards are formatted to include only Map and new system update files.
- SD cards cannot be used to save and play music.
- Do not add, delete or format files on the SD card.

Bluetooth® **DIVX**

iPod®

iPod® is a registered trademark of Apple Inc.

Bluetooth® **Wireless Technology**

The *Bluetooth*® Wireless Technology word mark and logos are registered trademarks owned by *Bluetooth*® Wireless Technology SIG, Inc. and any use of such marks by HYUNDAI is under licence.

A *Bluetooth*® Wireless Technology-enabled mobile phone is required to use *Bluetooth*® Wireless Technology.

DivX video

DivX® is a digital video format created by DivX, LLC, a subsidiary of Rovi Corporation. This is an official DivX Certified® device that has passed rigorous testing to verify that it plays DivX video. Visit divx.com for more information and software tools to convert your files into DivX videos.

DivX video-on-demand

This DivX Certified® device must be registered in order to play purchased DivX Video-on-Demand (VOD) movies.

To obtain your registration code, locate the DivX VOD section in your device Settings menu. Go to vod.divx.com for more information on how to complete your registration.

DivX Certified® to play DivX® video, including premium content.

DivX®, DivX Certified® and associated logos are trademarks of Rovi Corporation or its subsidiaries and are used under licence.

Covered by one or more of the following U.S. patents: 7,295,673; 7,460,668; 7,515,710; 7,519,274

DivX Certified® devices

DivX Certified® devices have been tested for high quality DivX® (.divx, .avi) video playback. When you see the DivX logo, you know you have the freedom to play your favourite DivX movies.

$$part.1 \quad \textbf{Basic}$$

Warnings and Cautions
Key Product Features
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Starting the System for the First Time

01

Basic

⚠ Safety Warnings

· Even when receiving route guidance from the Navigation System, please abide by traffic and road regulations in force. Following only the Navigation route guidance may lead to violations of traffic and road regulations in force 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 a traffic accident.
· Do not operate the Navigation System while driving, e.g. entering POIs or conducting route searches. Such actions could lead to a traffic accident. Stop the vehicle before operating the device.
· Do not disassemble, assemble or modify the Multimedia System. Such actions could result in an accident, fire or electric shock.

· Be careful not to spill water or introduce foreign objects into the device. Such actions could lead to a fire or product malfunction.
· If you use phone-related functions while driving, you will find it difficult to concentrate on operating the vehicle and the current traffic conditions, so the possibility of an accident may increase. Please use phone-related functions only when stationary.
· 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 malfunction.
· Do not touch the antenna during thunder or lightening as this may lead to lightning-induced electric shock.
· Do not stop or park in parking-restricted areas to operate the product. Such actions could lead to traffic accidents.

· For most audio 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 only operate when the parking brake is ON for manual transmission vehicles and when the parking brake is ON or the gear stick is in the P (PARK) position for automatic vehicles.
· Other functions may not be usable while driving. These functions operate only when the vehicle is stationary.

⚠ Safety Cautions

Pay attention to traffic conditions while driving.

· In some instances, 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. Stop the vehicle before operating the device. In addition, the touchscreen may not work for some functions when the vehicle is in motion. The touchscreen 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 level before turning off the device.
· If you want to change the position of device installation, please enquire with your place of purchase or service maintenance centre. Technical expertise is required to install or disassemble the device.
· Turn on the car ignition before using this device. Do not operate the Multimedia System for long periods of time with the ignition turned off as such operation may lead to battery discharge.
· When using the Multimedia 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 on the front of the monitor may cause damage to the LCD or touchscreen.
· When cleaning the device, turn off the device and use a dry, smooth cloth. Never use tough materials, chemical cloths or solvents (alcohol, benzene, thinners, etc.) as such materials may damage the device panel or cause colour/quality deterioration. If you experience a product malfunction, enquire with your place of purchase or service maintenance centre.
· Prevent caustic solutions such as perfume and cosmetic oil from contacting the dashboard because they may cause damage or discolouration.

01

Key Product Features

This device is a Multimedia System equipped with a multi-functional disc player that supports Radio (FM, AM), DAB, Audio CD, MP3, USB, iPod, Audio AUX, Bluetooth Audio and My Music 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 • Provides high quality video through a Wide TFT-LCD Display using an LED Back Light. • Touchscreen for maximum user convenience.
Radio	Digital Tuner Feature • Digital Tuner using PPL method that supports memory of 12 broadcast stations for each AM and FM mode. Radio broadcast station name • Displays broadcast station names
Multimedia Player	Support for Various Media Formats • Support for various media formats, including Radio, Audio CD, MP3, USB, iPod, AUX and Bluetooth® Audio Streaming modes My Music • Supports copying of music stored within USB devices into My Music (internal memory) mode USB Image • Copy to view and save images saved on USB devices

Navigation	Voice Guidance • Voice route guidance to safely and conveniently reach set destinations • Various map scales that enable the driver to accurately view the map and surrounding areas Automatic Correction for Current Location • Automatically corrects current position using map matching and GPS information.
Miscellaneous	*Bluetooth*® Wireless Technology • Convenient use of Bluetooth® Hands-free using keys within the steering wheel remote controller Digital Screen Control Features • Easy control of features via touchscreen options Steering Wheel Remote Controller • Control over audio features, voice recognition and Bluetooth® via the steering wheel remote controller for maximum convenience

Component Names and Functions

Head Unit

	Name	Description
1	⏻ POWER/ VOLUME	• When power is off, press to turn power on • When power is on, press and hold (more than 0.8 seconds) to turn power off • When power is on, press quickly (less than 0.8 seconds) to turn Audio off • Turn left/right to control volume
2	**RADIO**	Converts to FM/AM/DAB mode • Each time the key is pressed, the mode is changed in the order FM → AM → DAB → FM
3	☎	Takes user to phone screen
4	⌃ ⌄	When key is pressed quickly. (less than 0.8 seconds) • FM/AM mode : plays previous/next frequency • DAB mode : plays previous/next channel • MEDIA (Disc/USB/iPod/My Music) mode : changes the track, file or title (except USB Image and AUX) When key is pressed and held. (more than 0.8 seconds) • FM/AM mode : continuously changes the frequency until the key is released • DAB mode : continuously changes the channel until the key is released, then plays the current channel • MEDIA (Disc/USB/iPod/My Music) mode : rewinds or fast forwards the track or file (except USB Image, Bluetooth Audio and AUX)
5	**MAP**	Displays the map for the current position
6	**NAV**	Takes you to the menu screen where you can find your destination and set the route.

Component Names and Functions I 1-5

Head Unit

	Name	Description
7	MEDIA	Converts to MEDIA mode • If the media is not connected or the CD player is not available for this model, MEDIA mode will not be activated. • Press this key to move to the last mode that you accessed in MEDIA mode. Press it again to display the screen where you can select a MEDIA mode.
8	☾	Turns the screen on/off.
9	ⓘ	Displays the Info mode screen
10	⚙	Displays the Settings mode screen
11	●TUNE	• FM/AM mode : changes the frequency • DAB mode : changes the channel • MEDIA (Disc/USB/iPod/My Music) mode : changes the track, file or title (except USB Image, Bluetooth Audio and AUX) • In Navigation, changes the map scale
12	💾 MAP	SD card insert slot
13	⏏	Press to insert or eject disc
14	RESET	Resets the system settings. (Preset radio channels and other data will not be deleted)

Steering Wheel Remote Controller

Name	Description
1 🔊＋ / 🔊－	Controls the volume
2 MODE	• Each time this key is pressed, mode is changed in the order FM → AM → DAB → Disc → USB (Music → Video) or iPod → AUX → Bluetooth Audio → My Music • If the media is not connected, the corresponding modes will be disabled • Press and hold the key (more than 0.8 seconds) to turn the Audio system on/off • When power is off, press the key to turn power back on
3 ∧ / ∨	When keys are pressed quickly. (less than 0.8 seconds) • FM/AM mode : searches broadcast frequencies saved to Presets • DAB mode : searches broadcast channels saved to Presets • MEDIA (Disc/USB/iPod/My Music) mode : changes the track, file or title (except USB Image, AUX) When keys are pressed and held. (more than 0.8 seconds) • FM/AM mode : Automatically searches broadcast frequencies • DAB mode : automatically searches broadcast channels • MEDIA (Disc/USB/iPod/My Music) mode : Quickly looks up songs (excluding USB Images, AUX and Bluetooth audio files)

Steering Wheel Remote Controller

Name		Description
4		When pressed quickly. (less than 0.8 seconds) • Activates voice recognition When pressed and held. (more than 0.8 seconds) • Ends voice recognition
5		When pressed quickly. (less than 1.2 seconds) • 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) When pressed and held. (more than 1.2 seconds) • When pressed in Bluetooth® Hands-free, redials the last call • When pressed during a Bluetooth® Hands-free call, switches call back to mobile phone (Private) • When pressed while calling on the mobile phone, switches call back to Bluetooth® Hands-free (operates only when Bluetooth® Hands-free is connected)
6		• When pressed during a call, ends the phone call • When pressed in the incoming call screen, rejects the call

※The actual feature in the vehicle may differ from the illustration.

Starting the System for the First Time

Turning the System On/Off

Press the engine start button or set the ignition key to On or ACC. Each time you turn on the system, a boot logo and safety warning will appear.

Drive safely and obey traffic rules. Watching this screen while the vehicle is in motion can lead to a serious accident. Make selections only while stopped. Some map data may be incorrect. Please read the safety instructions in the Navigation Manual.

Agree   Language
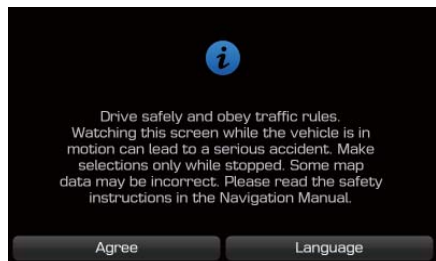
Pressing the power key on the head unit will make the user agreement screen appear.

✏ **NOTICE**
- You cannot operate the system while it is booting up. It may take some time for all of the features of the system, particularly the voice recognition system, to be ready for use.

Pressing and holding the power key on the head unit will turn off the system.
You can change Frame Settings in Settings to display a clock or another chosen image on the Screen Saver.

ℹ **Information**
- If you turn off the system during a phone call using the hands-free feature, the call will automatically switch to your mobile phone.

✏ **NOTICE**
- Check the volume when turning on the system. Before turning on the system, adjust the volume to a reasonable level.

System Reset
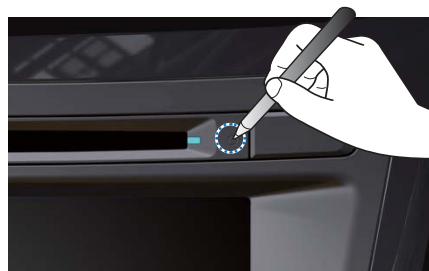
The System Reset function restores the system when it is malfunctioning. Press and hold the RESET key for a second or longer. It is recommended that you press the RESET key using a tool, such as a pin or a paper clip.

✏ **NOTICE**
- Resetting the system restores all existing settings and configurations (volume, display, etc.) back to their factory defaults. This is not a system defect. It occurs because the information stored in the memory is reset back to factory settings as a normal part of resetting the system.

Battery Warning Message

Always use the system while the car engine is running. If you turn on the system while the engine is off, a battery warning message will appear. When the engine starts, the message will disappear.

✐ **NOTICE**
• If you use the system for a long time with the engine off, the battery may become completely empty.

Restrictions on Features for Safety Measures

If you try to use features such as video mode that may distract you when you are driving, the system will turn the screen off or the function will be disabled and relevant warning message will appear. The audio player is not affected when video is off. The restriction screen will disappear when changing gear to P or putting the parking brake on.
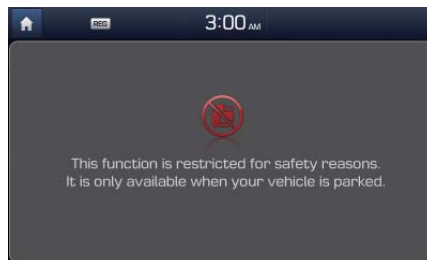
Home Screen

Controls Menu Configuration for the Home Screen
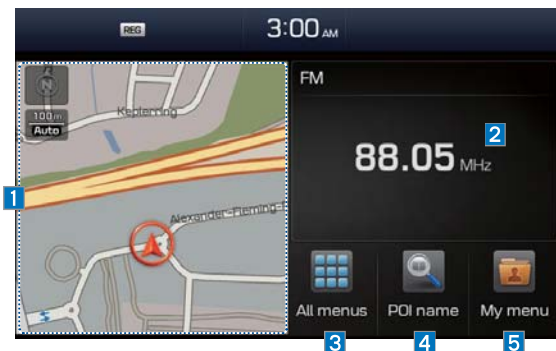
Features	Description
1 Navigation Widget	• Provides a brief view of the navigation map and the route screen. • Touch any area on the screen to move to the navigation screen.
2 AV Widget	• Shows brief information on the radio media currently playing. • Touch the area to move to the mode for what you are listening to.
3 All menus	Shows all of the items in the system menu.
4 POI name	Moves directly to the screen where you can search for your destination.
5 My menu	• You can add and save up to eight menu items. • Add your favourite menu items to have quick and easy access to them.

Information Display on the Status Bar

Displays the date and time along with the system status shown by the various icons to the right of the clock.

The icons in the following table indicate the various types of system status details and events.

|	AV-Mute	Navigation-Mute	Making a call and Bluetooth connection			
ICON	🔇 Audio	🔇 NAVI	🔋	*bluetooth*	📞	*signal*
Description	Mute AV sound	Mute Navigation sound	Bluetooth phone remaining battery	Handsfree connection	Making a call using Bluetooth phone	Bluetooth phone reception sensitivity
ICON				🎵		
Description				Connecting to music stream		
ICON				🎵	🔒	
Description				Handsfree + streaming connection	Mute Bluetooth phone micro-phone	
ICON				📇		
Description				Downloading contacts/recent calls		

Adding Your Favourite Menu Items to My Menu

From the Home screen, select My menu ▶ then Edit .

From the Edit My menu screen, select menu items from the list on the right, then drag and drop them to the desired place on the left.

Or drag items from the left and drop them on the right to deleted them from My Menu.

i Information

• Up to eight items can be added to My Menu.

On-Screen Touch Controls

Learn how to touch the screen to operate the system.

Select

Tap lightly on a menu or item to select it.

✎ **NOTICE**

• The system will not recognise your touch if you wear a glove or other non-conductive material. Touch the screen using your finger, an electrostatic touchscreen glove or a stylus pen.

Drag & Drop

Select a menu or item and drag and drop it where you want to place it.
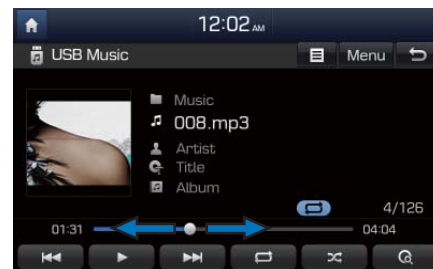
Drag or touch the slider along the play bar in the music screens to jump to the point that you want to play from. However, the CD player does not support a drag function.

i Information

• Music screens of Disc CD and Disc MP3 do not support this function.

Drag the frequency bar to the left or right to move to the frequency you want.
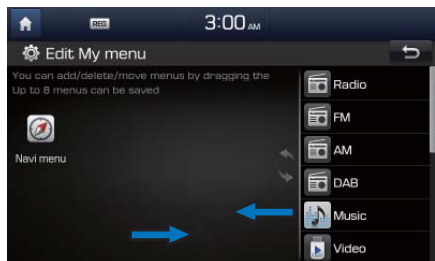
From the Edit My menu screen, drag and drop icons to add, delete or move them to/from My Menu.

Flick (Quick Scrolling)
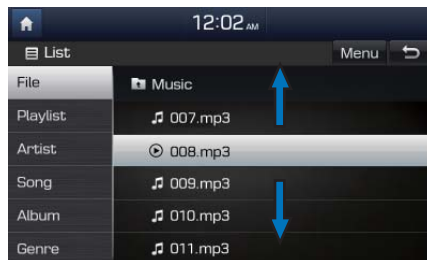
Quickly moves up and down in the list.

📝 **NOTICE**
- Moving the list when there are many items will display a handler to the right of the display. You can easily move many items at a time using the handler

You can view the previous or next image by flicking left/right on an image on the USB Image screen.

Flick left/right on the frequency bar in the radio player to look for the previous/next frequency available.

Starting the System for the First Time I 1-13

Press and Hold

Pressing the ⏮ and ⏭ buttons in the music or video player will fast forward/rewind the music or video.
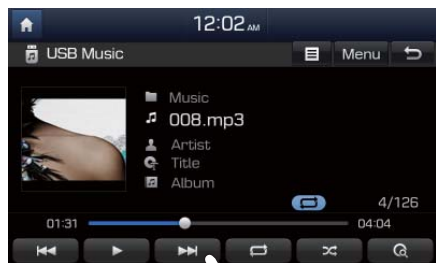
part.2 **Using AV**

02

Using AV

FM/AM Mode

Accessing FM/AM Mode

You can access the radio player either by pressing the `RADIO` key or by selecting the Radio menu option from All Menus on the Home screen.

ⓘ **Information**

• If you press the `RADIO` key when the power is off, the power will be turned on and a radio broadcast will be tuned in.
• If you are in FM/AM Mode, select the FM/AM radio widget from the Home screen to access the radio player.

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FM/AM Mode Display Controls

Features	Description
1 Mode Display	• Displays currently operating mode. • Tap the desired mode to change to it in Radio.
2 Frequency Bar	Flick the frequency bar left/right to search for available radio stations on either side of the current station. Dragging : Drag the frequency bar to the left/right to find the radio station you want.
3 Station Name	Displays the currently broadcast station name. ⓘ If station information cannot be obtained, the currently playing frequency will be displayed.
4 Programme Type	Displays the current programme type.
5 Preset	Goes to the saved preset list for user selection Press and hold (more than 0.8 seconds) the preset button. A 'beep' will sound and the current station or frequency will be saved to the selected preset button. ⓘ A total of 24 frequencies can be saved with 12 preset frequencies each for FM/AM modes.

Features	Description
6 Scan	Plays frequencies with good reception for 5 seconds each
7 Info	Turns the Radio Text information on and off • If the ON Text On button is displayed (Text off state), information will not be displayed even if there is information being transmitted from the broadcasting station. • If the Off Text Off button is displayed (Text on state), broadcast information will be displayed. Information may not be displayed if there is no information being transmitted by the broadcasting station.
8 TA	Displays "Would you like to listen to TP station" popup if the current station is not TP station while TA is turned on.
9 List	Takes you to the FM station list

Features	Description
⑩ Menu	· Preset Scan : Plays preset frequencies for 5 seconds each · RDS Settings : Turn the region setting on and off
⑪ Scan/ Preset Scan	Displays an activated mode from the Scan/ Preset Scan modes.
⑫ SEEK/TRACK	· Pressing this key briefly (less than 0.8 seconds) : Seeks the previous/next station or frequency. · Pressing and holding this key (more than 0.8 seconds) : Moves quickly through all of the frequencies. When you release the key, the system will seek the next available frequency.
⑬ TUNE	Turn the ⬤ TUNE knob to manually seek available frequencies. · FM : search up/down in 50kHz increments · AM : search up/down in 9kHz increments

Selecting with Station List

Press the list ▶ Select the station.
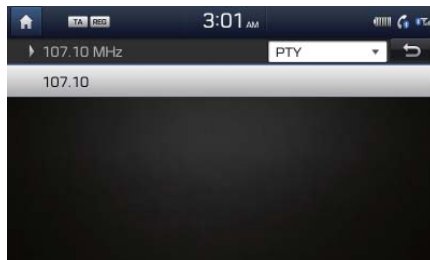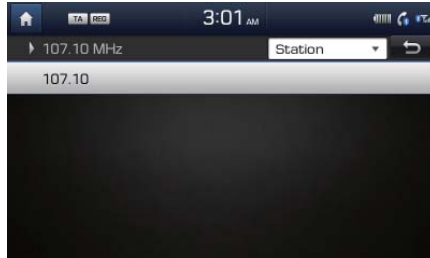
Stations can be sorted and searched based on the station name and PTY type.

DAB Mode

DAB Mode Hard Key Controls
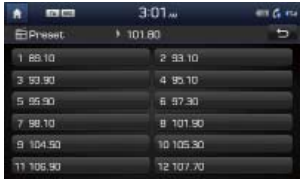
You can access the radio player either by pressing the RADIO key or by selecting the Radio menu option from All Menus on the Home screen. Select the DAB tab from the radio player.

ⓘ Information

• If you press the RADIO key when the power is off, the power will be turned on and a radio broadcast will be tuned in.
• If you are in DAB mode, select the DAB widget from the Home screen to access the DAB player.
• When the power is off, pressing the RADIO key will turn the power on and play a DAB broadcast.
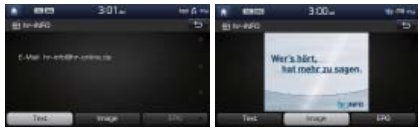
DAB Mode Display Controls

Features	Description
1 Mode Display	Displays currently operating mode. Tap the desired mode to change to it in Radio.
2 Station Logo	Displays the current station logo
3 Ensemble & Station Info.	Displays the currently playing ensemble. (e.g. BBC Radio, DR Deutschland) and station name
4 Programme Type	Displays the current programme type.
5 Content Info	Displays the artist and title information about the content currently playing
6 Preset	Goes to the saved preset list for user selection. Press and hold (more than 0.8 seconds) the preset button. A 'beep' will sound and the current station or frequency will be saved to the selected preset button. ⓘ A total of 24 frequencies can be saved.
7 Scan	Plays all receivable stations for 5 seconds each
8 Info	Turns the slide show image information on and off • When Info off state is enabled, information will not be displayed even if there is information being transmitted from the broadcasting station. • When Info on state is enabled, image information will be displayed. Information may not be displayed if there is no information being transmitted by the broadcasting station.

02

Features	Description
9 TA	Turn TA on and off
10 List	Displays DAB Radio Categories/Station Lists

11 Menu	
	• Preset Scan
	  Plays preset frequencies for 5 seconds each.
	• Text or Image
	  Goes to the text or image information screen.
	
	• EPG
	  Goes to the programme schedule menu (for more details, see Section 2.5. View Menu.)
	• DAB Settings
	  Goes to the DAB settings menu
	  (for more details, see Section 2.5. View Menu.)

12 Scan/ Preset Scan	Displays an activated mode from the Scan/Preset Scan modes.
13 SEEK/ TRACK	• When key is pressed quickly. (less than 0.8 seconds), plays the previous/next station • When key is pressed and held. (more than 0.8 seconds), continuously changes the station until the key is released, then it plays the current station
14 TUNE	Changes the station

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Selecting with Station List

Press the list ▶ Select the station.

EPG (Electronic Programme Guide)

Press the Menu and select the EPG button ▶ you can view the programme information and the broadcasting station schedule provided by DAB.

Features	Description
1 Change broadcast date	By selecting this option, you can select a broadcasting date. Broadcast information will be provided for one week from the current date.
2 Station name	Select the station for which you want to see programme schedules.
3 Programme name	Displays the programme titles to be broadcast at the time you have chosen. Select a programme to see more details.
4 Programme Information	 ⓘ If there is more information on the programme you selected, an arrow button will be displayed on the right of the list. You can see more programme information by selecting the arrow button.

DAB Settings

Press the Menu and select the DAB settings button ▶ you can change the settings for DAB broadcasts.

Media Mode

Starting Mode

From All Menus, select an icon from "Music, Video, Image, AUX" to enter the last mode you used.

You can enter the Media mode that you used by pressing the MEDIA hard key when in another mode.

To go to a different mode after you enter Media mode, press MEDIA and choose the one you want.

02

Discs

Precautions for Handling Discs

⚠ CAUTION
• 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, octagonal) as such discs could lead to malfunction.
• Do not clean discs with chemical solutions such as record sprays, anti-static sprays, anti-static liquids, benzene or thinners.
• Do not expose discs to direct sunlight or high temperatures for prolonged periods of time. Such exposure may lead to disc deformation.
• If you play a disc contaminated with dirt or other substances, the sound quality may deteriorate and the disc may skip. Writing on either side of the disc could result in damage to disc surfaces.

• Clean fingerprints and dust from the disc surface (coated side) with a soft cloth.
• Copy-protected CDs such as S-type CDs may not operate correctly in the device. Data CDs cannot be played. However such discs may still operate although abnormally.
• Do not disassemble the device. Contact a designated service centre in the event 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 introduce foreign substances into the disc insert/eject slot. Introducing foreign substances could damage the interior of the device.
• The device may fail to operate correctly in extremely hot or cold temperatures. The operating temperature range is: -20˚C ~ 70˚C.

• Steam can become condensed on the fibre optic lens due to rain, wet conditions or upon operating the heating system. If so, discs may not be recognised properly. Remove the disc and wait until the moisture dries.
• Skipping may occur during audio play when driving on bumpy roads for prolonged periods of time or in the event of severe shock to the vehicle. In the event of severe shock, audio may not play properly.

Supported Disc Formats

This device supports the following disc formats.

Disc Type

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

Disc Format

Disc Type	Disc Format	Device Support
CD	CD-DA	○
	MP3	○
	WMA	○
	MPEG4 AAC	X
	DTS-CD	○
	CD-ROM	○
	CD-G	X
	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 logos:

Audio-CD

• CD-R/RW discs (audio CD) created on CD recording devices or PCs may not operate correctly on this device. This may be due to disc format, recording method and possible contamination to the disc or lens.

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 is not supported on this device.
· CD-R/RW discs recorded as audio CDs that were not finalised are not supported on this device.

PC-created Disc Compatibility

· When burning a disc on a PC, the disc may not operate in this device depending on software settings. In such cases, enquire 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 for Writing CDs

· When a multisession disc is being recorded, make sure you close the session before recording.
· If MP3/WMA file extensions are changed, this could result in malfunction.
· In the case of MP3/WMA, write using only English as other languages are not supported.
· Unauthorised 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 CD formats: Model 1, Model 2 XA format 1.
· This device supports audio files compressed using MPEG-1 audio stream layer 3 (MP3) using 8kbps ~ 320kbps. (CBR or 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 or VBR)
· Variable bit rate files may operate, but the play time information may not be properly displayed.
· This device only supports tracks with a file extension of ".mp3" or ".wma".
· This device does not support multi-session 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.
• 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 an MP3 Disc

Supported MP3 File Specifications
• 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/44.1kHz.

✏ **NOTICE**
• Supported ID3 tags: ID3v1.0, ID3v1.1, ID3v1.2, ID3v2.2, ID3v2.3, ID3v2.4.
• Supported MP3 media: CD-ROM.
• Supported media formats: ISO 9660 LEVEL1 and LEVEL2.

Detailed Specifications
• Maximum directory layers: 8 layers.
• Maximum folder length: 64 bytes, file name length: 64 bytes.
• Supported characters for folder name/file name: 2350 characters for alpha-numeric and Korean character sets, 4888 characters for Simplified Chinese character set.
• Maximum number of folders per disc: 256 folders. (including ROOT)
• Maximum number of files per disc: 512 files.

Precautions for 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 700MB may result in faulty disc recognition or errors when playing.

MP3 File Structure

Recognition occurs through the same folder structure used within the disc.
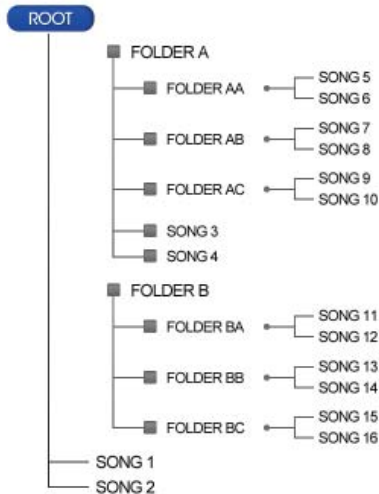
Folder structure as saved in CD-ROM   Folder structure as saved in the system
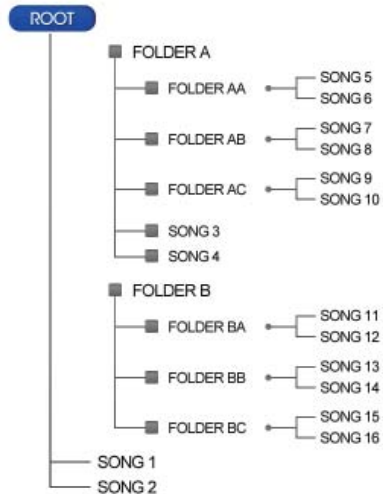
CD Mode

Basic Mode Screen
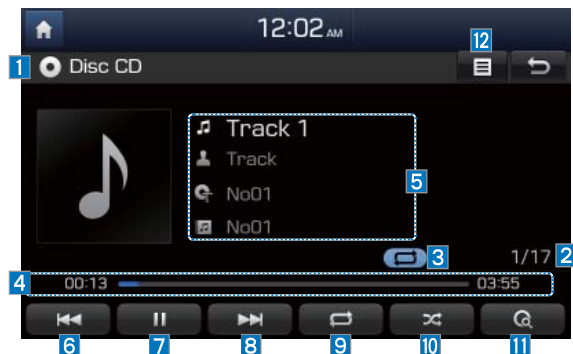
Name	Description
1 Mode	Displays currently operating mode
2 Track Index	Shows the current track/total tracks
3 Repeat/ Shuffle/Scan	From Repeat/Shuffle/Scan, displays the currently operating function
4 Play Time	Displays the current play time
5 Play Info	Displays track/artist/title/album information
6 Previous Track	• When the play time is less than 3 seconds, the previous track • When the play time is more than 3 seconds, current song from the beginning
7 Play/Pause	Plays/pauses the current track
8 Next Track	Moves to the next track
9 Repeat	Repeats the current track Press the ⟳ button to switch between repeating the current track ⟳ → and turning repeat off ⟳
10 Shuffle	Plays disc tracks in random order Press the ⤬ button to switch between shuffle all ⤬ → and turning shuffle off ⟳
11 Scan	Scans the start of disc tracks (approx. 10 seconds per track) Press the ⊙ button to switch between scan all ⊙ → and turning scan off ⟳
12 List	Moves to the track list screen

ⓘ **Information**

• Album artwork is not available in the Disc CD and Disc MP3 mode.

CD Mode I 2-17

Name	Description
13 SEEK/ TRACK	• If you press the key quickly (less than 0.8 seconds), it moves to the previous or next track. • If you press and hold the key (more than 0.8 seconds), it rewinds or fast-forwards the track. ⓘ If you press and hold for 5 seconds, it will rewind or fast-forward the track at 4x speed. After that, it will rewind or fast-forward at 20x speed. Once released, the track will begin playing at normal speed.
14 TUNE	Turn the ⬤ TUNE knob and search for a track. When the track name is displayed, press the ⬤ TUNE knob to play the track. ⓘ If the ⬤ TUNE knob is not pressed within 5 seconds of searching tracks, the track info for the current track is restored.

Name	Description
1 Current Track	Displays currently playing track name
2 Back Button	Converts to basic mode screen
3 Menu	When moving to a different list screen, moves to the list page where the current file is located. (disabled when the current list includes the current file)
4 SEEK/ TRACK	• If you press the key quickly (less than 0.8 seconds) : Plays previous/next track • If you press and hold the key (more than 0.8 seconds) : Moves to the play screen, then it will rewind or fast-forward the track. The track will play normally when the key is released.
5 TUNE	Turn the ● TUNE knob to move the focus to the next/previous track. If a track is selected, press the ● TUNE knob to play the track.

MP3 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/Scan	From Repeat/Shuffle/Scan, displays the currently operating function
4 Play Time	Displays the current play time
5 Song Info	Displays folder/file/artist/title/album info for current song
6 List	Moves to the list screen
7 Previous File	• If play time is less than 3 secs, moves to the previous file • If play time is more than 3 secs, plays the current file from the beginning
8 Play/Pause	Plays/pauses the current track
9 Next File	Moves to the next song
10 Repeat	Repeats the current song or all songs in the folder Press the ▢ button to switch between repeating 1 song ▢ → repeating the folder ▢ → and turning repeat off ▢ ⓘ Repeat 1 song : Repeats the current song Repeat folder : Repeats all songs in the folder

ⓘ **Information**

• Album artwork is not available in the Disc CD and Disc MP3 mode.

Name	Description
11 Shuffle	Plays files in the folder or on the disc in random order Press the ⤨ button to switch between shuffle folder ⤨ → shuffle all ⤨ → and turning shuffle off ⤢ ⓘ Shuffle folder : Plays all songs in the folder in random order Shuffle All : Plays all songs on the disc in random order.
12 Scan	Scans the start of MP3 files (approx. 10 seconds per file) Press the 🔍 button to switch between scan folder 🔍 → scan all 🔍 → and turning scan off ⤢ ⓘ Scan Folder : Scans tracks in the current folder Scan All : Scans all tracks on the disc
13 SEEK/TRACK	• If you press the key quickly (less than 0.8 seconds) : Plays previous/next track • If you press and hold the key (more than 0.8 seconds) : Moves to the play screen, then it will rewind or fast-forward the track.
14 TUNE	Turn the ⏺ TUNE knob to search for a track. When the desired track is displayed, press the ⏺ TUNE knob to play the track. ⓘ If the ⏺ TUNE knob is not pressed within 5 seconds of searching for tracks, the track info for the current track is restored.

Name	Description
1 Folder Name	Displays folder name for current file
2 Current Song	Displays currently playing file name
3 Back Button	Converts to basic mode screen
4 Upper Folder	Moves to Root Folder
5 Menu	When moving to a different list screen, moves to the list page where the current file is located (disabled when the current list includes the current file)
6 SEEK/TRACK	• If you press the key quickly (less than 0.8 seconds) : Plays previous/next track • If you press and hold the key (more than 0.8 seconds) : Moves to the play screen, then it will rewind or fast-forward the track.
7 TUNE	Turn the ● TUNE knob to go to the previous/next track. When the desired track is displayed, press the ● TUNE knob to play the track.

USB

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/OGG files, only music files with compression rates between 8Kbps ~ 320Kbps can be played.
• Be careful of static electricity when connecting/disconnecting external USB devices.
• Encoded MP3 players will not be recognised when connected as an external device.
• When connecting an external USB device, the device may not properly recognise that the USB is in certain states.
• Only products formatted with byte/sectors under 64Kbps will be recognised.
• This device recognises USB devices formatted in FAT 12/16/32 file formats. This device does not recognise files in NTFS file format.
• Some USB devices may not be supported due to compatibility issues.

• Take care that the USB connector does not come in contact with body parts or objects.
• Repeated connecting/disconnecting of USB devices within short periods of time may result in product malfunction.
• Be sure to connect/disconnect external USB devices with the audio power turned off.
• The amount of time required to recognise the external USB device may differ depending on the type, size or file formats stored on the USB. Any differences in the time required are not indicative 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. This may lead to poor performance or damage to the device.
• The device may not recognise the USB device if separately purchased USB hubs and extension cables are being used. Connect the USB directly to the multimedia terminal of the vehicle.
• 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 on specific USBs, files may not play properly.

• The device may not operate normally if MP3 players, mobile phones, digital cameras or other electronic devices (USB devices not recognised as portable disk drives) are connected to 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 other than Metal Cover Type USB Memory.
• The device may not support normal operation when using formats such as HDD, CF or SD memory.
• When playing iPods, please use a dedicated iPod car cable.
• Normal operation cannot be guaranteed when other cables are used.
• The device will not support files locked by DRM (Digital Rights Management).
• USB memory sticks used by connecting an adaptor (SD or CF) may not be properly recognised.
• Only use plug type connector products, as shown in the figure below.

Plug Type Connector

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.
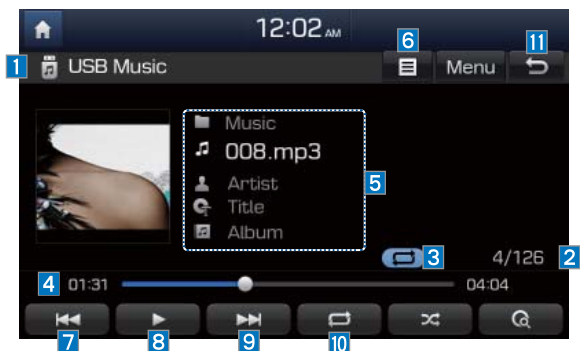
Supported Video Image Specifications

Name	Description
File format	AVI (DIVX), MPEG, 3GP, WMV
Image format	JPG, GIF, BMP, PNG (animated GIF, etc. are not supported)
Extension	.avi, .divx, .mpg, .mpeg, .mp4, .3gp, .3gpp, .3gpp2, .wmv, .asf
Supported image resolution	5M pixels for JPG, BMP, PNG (1M pixels maximum for GIF)
Supported image file size	5M pixels for JPG, BMP, PNG (1M pixels maximum for GIF)
Video codec	DivX3/4/5/6. XviD, MPEG1/4 (excluding MPEG2), H264, WMV9
Video resolution	DivX: 720 x 576, MPEG: 720 x 576
Audio codec	MP3, OGG, WMA
Subtitles	SMI
Files not supported for playback	Files which do not conform to the supported specifications Modified files (files with changed formats) Converted files (e.g. an AVI file encoded in the WMV video codec) DivX files which are encoded in MJPEG, H.263 Files without indexes Other requirements are based on DivX's certification standards (screen display specifications and playback specifications)

i **Information**

• The playback timestamp may appear incorrectly for files with variable bit rates.
• If you get errors during playback or your file format is not supported for video playback, please convert the format of the file using up-to-date software such as Gom Encoder, Umile Encoder and Daum Pot Encoder.

02

USB I 2-25

USB Music

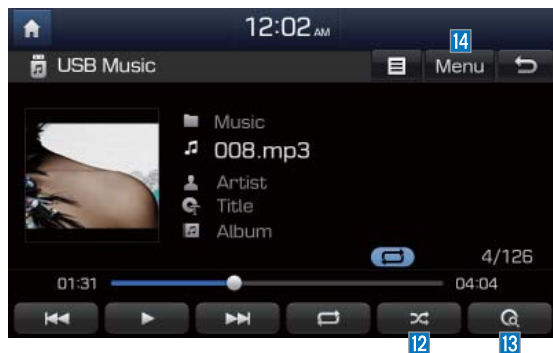| Features	Description
1 Mode	Displays currently operating mode
2 File Index	Shows the current file/total files on the USB
3 Repeat/ Shuffle/Scan	From Repeat/Shuffle/Scan, displays the currently operating function
4 Play Time	Displays the current play time/total play time
5 Song Info	Displays the information about the current track • When a track in the file tab on the list screen is selected : Displays folder, file, title, artist, album info • When a track in the other tabs on the list screen is selected : Displays artist, title, album info
6 List	Moves to the list screen

Features	Description
7 Previous File	If you press the button quickly (less than 0.8 seconds) : Moves to the previous file or plays the current file from the beginning (depending on the play time) • If play time is less than 3 seconds, moves to the previous file • If play time is more than 3 seconds, plays the current file from the beginning If you press and hold the button (more than 0.8 seconds), it rewinds the track
8 Play/Pause	Plays/pauses the current file
9 Next File	• If you press the button quickly (less than 0.8 seconds) : Moves to the next file • If you press and hold the button (more than 0.8 seconds) : It fast-forwards the track
10 Repeat	Repeats the current file • If you select a song in the file tab on the list screen : Press the ⬜ button to switch between repeating one song ⬜, repeating the folder ⬜ and turning repeat off ⬜ • If you select a song in the other tabs (Playlist, Artist, Song, Album, Genre) on the list screen : Press the ⬜ button to switch between repeating one song ⬜ and turning repeat off ⬜
11 Back Button	Converts to basic mode screen

Features	Description
12 Shuffle	Plays files in random order • If you select a song in the file tab on the list screen : Press the ⤭ button to switch between Shuffle Folder ⤭, Shuffle All ⤭ and turning shuffle off ⟲ • If you select a song in the other tabs (Playlist, Artist, Song, Album, Genre) on the list screen: Press the ⤭ button to switch between Shuffle Category ⤭ and turning shuffle off ⟲
13 Scan	Scans the start of USB files (approx. 10 seconds per file) • If you select a song in the file tab on the list screen : Press the 🔍 button to switch between Scan Folder 🔍, Scan All 🔍 and turning scan off ⟲ • If you select a song in the other tabs (Playlist, Artist, Song, Album, Genre) on the list screen : Press the 🔍 button to switch between Scan Category 🔍 and turning scan off ⟲
14 Menu	• Add to Playlist : Add the current track to the playlist.Playlists are located on the left tab in the list • Save to My Music : You can save the current track to My Music. You can play a saved track from My Music without USB. Access to My Music in the Media mode.

Features	Description
15 SEEK/TRACK	If you press the key quickly (less than 0.8 seconds), moves to the previous/next file or plays the current track from the beginning • If play time is less than 3 seconds, moves to previous/next file • If play time is more than 3 seconds, plays the current file from the beginning If you press and hold the key (more than 0.8 seconds) it will rewind/fast-forward the track
16 TUNE	Turn the ● TUNE knob to search for a track. When the desired track is displayed, press the ● TUNE knob to play the track.
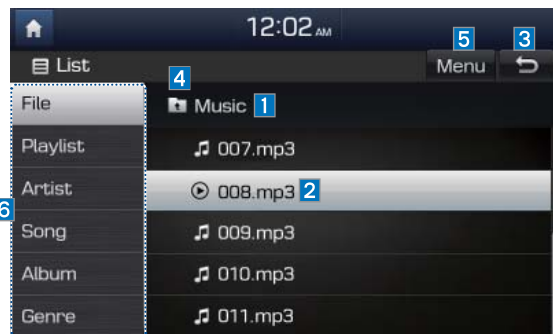
Features	Description
1 Folder/ Category Name	Displays the folder/category name in the list
2 Current Song	Displays currently playing file name
3 Back Button	Converts to basic mode screen
4 Upper Folder/ Category	Moves to the higher folder/category

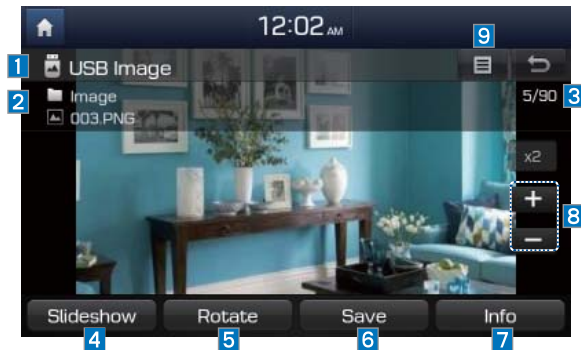| Features	Description
5 Menu	• Add to Playlist : Adds the current track to the playlist: Playlists are located on the left tab in the list (maximum of 100 files). Select a track and press "Add to Playlist" to add the track to the playlist. • Delete from Playlist : Select a track you want to delete from the playlist and press "Delete from Playlist" • Now Playing : When moving to a different list screen, moves to the list page where the current file is located (disabled when the current list includes the current file)
6 Search Menu	Search tracks by list type. Search for songs according to Playlist, Artist, Song, Album and Genre. ⓘ If you access the search menu while playing a track, it moves to the previous search mode.
7 SEEK/ TRACK	If you press the key quickly (less than 0.8 seconds) : Plays previous/next track • If play time is less than 3 seconds, moves to previous/next file • If play time is more than 3 seconds, plays the current file from the beginning If you press and hold the key (more than 0.8 seconds) : Moves to the play screen, then it will rewind or fast-forward the track. It will play the track normally when the key is released.
8 TUNE	Turn the ⬤ TUNE knob to move to the previous/ next list. When the desired track is displayed, press the ⬤ TUNE knob to play the track.

H_VF_G4.5 [LU] AVN PART2.indd   2-29   2015-01-15   오후 4:04:4

USB Video

Features	Description
1 Mode Display	Displays the current playback mode.
2 Folder/ File Name	Displays the folder in which the USB Video file is located as well as the name of the video file that is currently playing.
3 File Index	Displays the name and total number of current USB Video files.
4 Play Time	Displays the current and total play time of the USB Video.

5 Previous File	• Press quickly (less than 0.8 seconds) : Plays from the start or plays the previous file according to play time.
	  - Play time is less than 3 seconds : Returns to the previous video file.
	  - Play time is more than 3 seconds : Plays from the beginning of the current file.
	• Press and hold (more than 0.8 seconds) : Fast-forwards the current file.

6 Pause/Play	Pause/play video file
7 Next File	Press quickly (less than 0.8 seconds) : Goes to the next file Press and hold (more than 0.8 seconds) : Fast-forwards the current file.
8 Repeat	Repeats the current video file
9 Info	Displays the file name, resolution and total time.
10 List	Goes to the USB Video List
11 Back Button	Return to Home/Previous page

Features	Description
1 Current Video File	The current file being played is highlighted.
2 Back Button	Changes to play mode screen
3 Menu	Returns to the current file. When in another list, select this to return to the list that contains the currently playing video. (This function is disabled when already in the list containing the currently playing video)
4 SEEK/TRACK	• Press quickly (less than 0.8 seconds) : Plays the previous/next file or plays from previous/ start according to the play time when SEEK is selected. - Play time is less than 3 seconds : Returns to the previous video file. - Play time is more than 3 seconds : Plays from the beginning of the current file. • Press and hold (more than 0.8 seconds) : Goes to the play page and fast-forwards the file currently being played.
5 TUNE	Turn the ⬤ TUNE knob to move to the previous/ next list and then press it after selecting a video file in order to play it. ⓘ Tune search will end when no keys are pressed for 5 seconds.

USB Image

Features	Description
1 Mode	Displays currently operating mode
2 Folder/ File Name	Displays folder name where image is located
3 File Index	Displays the current file/total files on the USB
4 Slideshow	Displays images in a slideshow in 5, 10, 20 and 30 second intervals
5 Rotate	Rotates image in a clockwise direction
6 Save	Displays image as a single frame when system power is turned off
7 Info	Shows the file name, resolution and file type of the current image
8 Adjust Image Size	Enlarges/reduces image size (zoom in/zoom out)
9 List	Moves to the list screen

Features	Description
1 Current File	Displays currently playing file name
2 Back Button	Converts to basic mode screen
3 Menu	Now Playing : When moving to a different list screen, moves to the list page where the current file is located (disabled when the current list includes the current file)
4 SEEK/TRACK	Controls background mode • Radio mode : Changes Frequency and Channel • Media mode : Changes Track (excluding AUX)
5 TUNE	Controls background mode • Radio mode : Changes Frequency and Channel • Media mode : Changes track (excluding AUX). When the desired track is displayed, press the knob to move to the track.

iPod

Using iPod Devices

• iPod is a registered trademark of Apple Inc.

• iPod mode will not operate if the connected iPod cannot be recognised 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 on the Multimedia System.

• For fifth generation iPod Nano devices, the iPod may not be recognised when the battery level is low. Please charge the iPod.

• Search/play orders shown on the iPod device may differ from those displayed on the Multimedia 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.

• If you repeatedly connect and disconnect your iPod/iPhone to the Multimedia System using a USB cable over a short period of time, it may cause a malfunction.

• The recognition delay for an iPod/iPhone may vary depending on device type, firmware version and iOS version.

• For some iPod Touch and iPhone devices, connecting Bluetooth® while the iPod is operating may result in an interruption to the iPod audio output. This may occur when these devices are connected via Bluetooth® since the sound source is changed from the Dock Connector (USB connector cable) to Bluetooth.

• To prevent this, Bluetooth Audio function in the Multimedia System is limited if an iPod/iPhone is connected to the system via cable and Bluetooth simultaneously. To listen to iPod audio, either use the iPod menu if connected via USB or Bluetooth Audio if connected via Bluetooth.

• To listen to iPod audio, reconnect the USB cable or change the audio output settings on the iPod/iPhone to Dock.
• In order to use the iPod while operating the keys, you must use a dedicated iPod cable (the cable that was supplied when you purchased the iPod/iPhone product).
※ In the ACC ON state, connecting the iPod via the iPod cable (the cable that was supplied when you purchased the iPod/iPhone product) 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, be 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 play stopped/paused.
• On iPhones, streaming audio and iPod control may occasionally conflict. If problems persist, remove the iPhone and connect again.
• When connecting to iPod Nano/Classic, the HYUNDAI Motor logo appears on the Apple device. On iPod Nano 6 generation devices, however, the logo image does not appear since it is not supported. All iPhone and iPod Touch products do not support this function.

• On Apple iOS 6.0 or later versions, Podcast and Audiobook media files are designed to be played using the Podcast and iBooks applications specifically designed for Apple products. If the Apple device does not have Podcast and Audiobook lists, the playlist may not be displayed and played in AVN iPod mode.
• If the Apple Podcasts and iBooks apps are not installed on the Apple device, but the Apple device has the Podcast and Audiobook lists, you can play files in other categories in AVN iPod mode.

02

⚠ Caution

• While using a connected iPhone/iPod Touch device, it may not operate normally if the user changes any functions on the device.
• When calling with an iPhone connection, music may stop playing due to an Apple device feature. If sound does not resume after the call has been terminated, check the device status.
• If lots of songs have the same information, skipping may occur when previous/next song is chosen, due to an Apple device feature. Other problems may occur depending on device type or iOS version.
• If some songs have the same information, there may be a difference between the song playing on the Multimedia System and on the Apple device. Reset the device or delete the duplicate songs on the Apple device using iTunes.

• If you pause, repeat, shuffle or seek songs when the remaining play time is less than 3 secs, there may be a difference between the song playing on the Multimedia System and on the Apple device. Access the iPod music from another mode or pause the song and then select play again on the Apple device.

• We recommend that you use the latest firmware on your Apple device. Problems may occur with outdated firmware.

Type	1G	2G	3G	4G	5G	6G	6.5G	7G
iPod Mini	Not supported							
iPod Shuffle	Not supported							
iPod Nano	○	○	○	○	○	○	Not released	○
iPod Touch	○ (iOS 1.1 not supported)	○	○	○	○	Not released		
iPad	○ (unable to charge, not verified, normal operation not guaranteed)							
iPad Mini	○ (unable to charge, not verified, normal operation not guaranteed)							
iPod Classic	Not supported				○ (iPod with Video)	○ (iPod Classic)	○ (iPod Classic)	Not released

| Type	3G	3GS	4G	4GS	5G
iPhone	Not verified, normal operation not guaranteed	○	○	○	○

⚠ Caution

• If the iPhone/iPod Touch supports Bluetooth, Bluetooth Audio cannot be used if the Apple device is connected to the Multimedia System via both USB and Bluetooth. Disconnect the USB connection then use Bluetooth Audio
• With an iPod/iPhone connected to the Multimedia System via both USB and AUX, the iPod/iPhone will output sound via AUX, therefore sound may not be output in iPod mode.
• If the AUX cable is connected to the iPod/iPhone but not to the Multimedia System, sound may not be output in iPod mode due to an iPod/iPhone feature. This problem may occur in particular if you use the AUX cable for pictures.
• Disconnect the AUX cable from the iPod/iPhone first, then connect to the Multimedia System via USB. Or change settings to "Dock" in iPod/iPhone.

• If you connect to the Multimedia System while the Podcast or iTunes is downloading music to the iPod/iPhone, you may experience problems when you select a song in the list. Reconnect the iPod/iPhone to the Multimedia System when download is complete or the file has been deleted.
• If you connect to the Multimedia System while it is syncing, you may experience problems. Try to use the iPod/iPhone connection after sync is complete. To learn more, refer to your iPod manual.
• iPhone and iPod Touch devices are guaranteed to work normally on iOS 7.0.6 or below. However, they may not work normally on future iOS versions as their operations have not yet been tested.
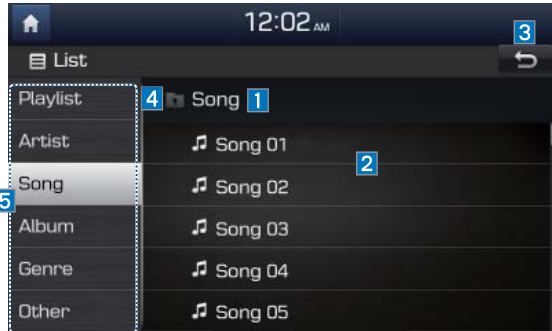

iPod I 2-37
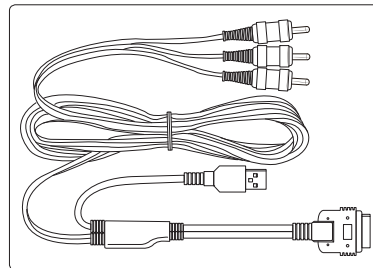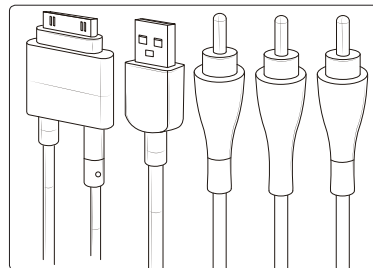
iPod
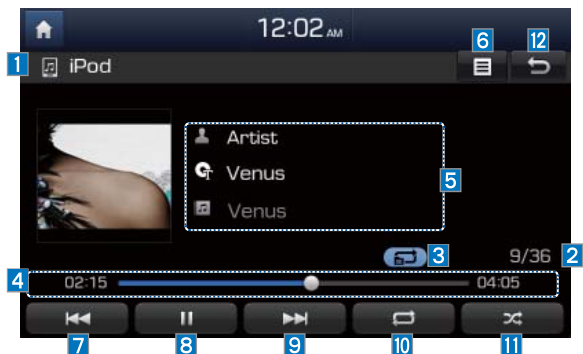
Features	Description
1 Mode	Displays currently operating mode
2 Song Index	Shows the current song/total songs
3 Repeat/Shuffle	In Repeat/Shuffle, displays the currently operating function
4 Play Time	Displays the current play time/total play time
5 Song Info	Displays the artist/song title/album info
6 List	Moves to the list screen

Features	Description
7 Previous File	If you press the button quickly (less than 0.8 seconds) : Moves to the previous file or plays the current file from the beginning (depending on the play time) ・If play time is less than 3 seconds, moves to the previous file ・If play time is more than 3 seconds, plays the current file from the beginning If you press and hold the button (more than 0.8 seconds), it rewinds the track.
8 Play/Pause	Plays/pauses the current file
9 Next File	・If you press the button quickly (less than 0.8 seconds), it moves to the next file ・If you press and hold the button (more than 0.8 seconds), it fast-forwards the track.
10 Repeat	Repeats the current file Press the ⬚ button to switch between repeating a track ⬚ and turning repeat off ⬚
11 Shuffle	Plays files in random order When pressing the ⬚ button, it changes to shuffle category ⬚ → deactivate shuffle then repeat ⬚ ・Shuffle Category : Shuffle songs in the current category
12 Back Button	Move to home/previous mode screen

Features	Description
13 SEEK/TRACK	If you press the key quickly (less than 0.8 seconds), it goes to the previous/next file or plays the current song from the beginning • If play time is less than 3 seconds, moves to previous/next file • If play time is more than 3 seconds, plays the current file from the beginning If you press and hold the key (more than 0.8 seconds) it will rewind/fast-forward the track
14 TUNE	Turn the ● TUNE knob to search for a track. When the desired track is displayed, press the ● TUNE knob to play the track. ⓘ If the ● TUNE knob is not pressed within 5 seconds of searching for tracks, the track info for the current track is restored.

iPod I 2-39

Features	Description
1 Category Name	Displays the category name
2 Category List	Displays the contents of the selected category ⓘ If there are several items in the list, items are added in order and the scroll bar on the right is adjusted accordingly.
3 Back Button	Converts to basic mode screen
4 Upper Folder	Moves to higher folder
5 Search Menu	Search tracks by list type. Search for songs according to Playlist, Artist, Song, Album and Genre. ⓘ If you access the search menu while playing a track, it moves to the previous search mode.
6 SEEK/TRACK	If you press the key quickly (less than 0.8 seconds), it goes to the previous/next file or plays the current song from the beginning • If play time is less than 3 seconds, moves to previous/next file • If play time is more than 3 seconds, plays the current file from the beginning If you press and hold the key (more than 0.8 seconds) it will rewind/fast-forward the track.
7 TUNE	Turn the ◉ TUNE knob to search for a track. When the desired track is displayed, press the ◉ TUNE knob to play the track. If you do not touch with the knob for 5 seconds, the ◉ TUNE knob search will end.

AUX

Connect External Devices

Connect an external device cable to the AUX input to automatically switch to AUX mode. Unplug the cable to automatically switch back to the previous mode.

AUX mode is available only when an external audio or video player (camcorder, vehicle video recorder, etc.) is connected.

The AUX input volume can be adjusted separately from other AV modes.


External audio and video players (camcorder, vehicle video recorder, etc.) can be played by connecting them using a compatible cable. The AUX jack is on the gearbox between the driver seat and front passenger seat.

✐ NOTICE

• If the cable is only connected to the AUX without an external device, the mode changes to AUX, but noise may occur. When an external device is not being used, remove the connector jack.

• When the external device power is connected to the power jack, playing the external device may output noise. If so, disconnect the power connection before use.

AUX Mode
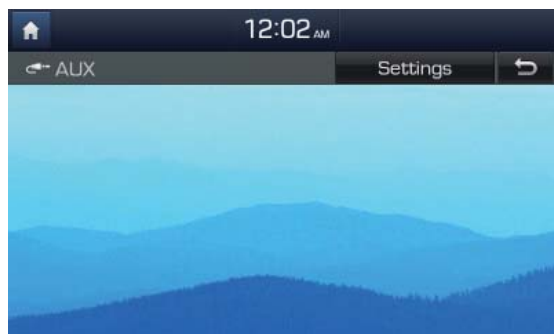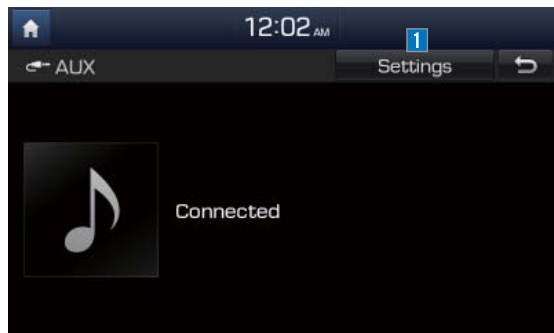
Features	Description
￼1 Settings	Select NTSC and PAL modes ⓘ AUX video source supports both NTSC and PAL modes. The setting value must be the same as that of the video source for the video to be played correctly.

ⓘ **Information**

• ∧ ∨ and ● TUNE knob operation is not available on the AUX screen.

Bluetooth® Audio Mode

Bluetooth Audio

Features	Description
1 Mode	Displays currently operating mode
2 Phone Name	Displays name of connected phone
3 Artist Info	Name of current artist
4 Title	Name of current song
5 Previous File	• If play time is less than 3 seconds, moves to the previous file • If play time is more than 3 seconds, plays the current file from the beginning ⓘ This function may differ depending on the model of mobile phone
6 Play/Pause	Plays/pauses Bluetooth Audio
7 Next File	Moves to the next file
8 Connections	Moves to the Bluetooth Settings screen. You can pair a new device or change/delete paired devices
9 SEEK/ TRACK	Plays the previous/next file
10 TUNE	⬤ TUNE knob is not supported.

ⓘ **Information**

• Artist info and Title may not be supported on the mobile phone

Bluetooth® Audio Mode I 2-43

Bluetooth Connections Settings

Settings for pairing, connection and disconnection of Bluetooth devices.

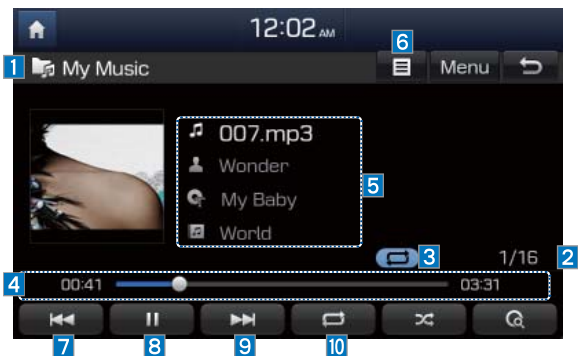• In Bluetooth Audio play screen, Select Connections

• Select 🔅 key in the head unit ▶ Select Phone ▶ Select Bluetooth connection .
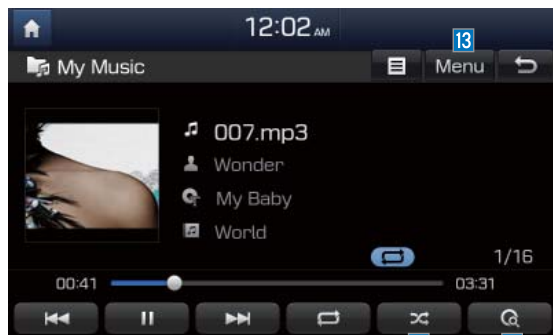
ℹ️ **Information**

• If the music on the mobile phone is not played after changing to audio streaming mode, press the Play button. Check if music is playing on the Bluetooth device after changing to audio streaming mode. Audio streaming may not be supported with some mobile phones.

My Music

Features	Description
1 Mode	Displays currently operating mode
2 File Index	Shows the current file/total files
3 Repeat/ Shuffle/ Scan	From Repeat/Shuffle/Scan, displays the currently operating function
4 Play Time	Displays the current play time/total play time
5 Song Info	Displays the information about the current track • When a track in the file tab on the list screen is selected : Displays file, artist, title, album info • When a track in the other tab on the list screen is selected : Displays artist, title, album info
6 List	Moves to the list screen

Features	Description
7 Previous File	If you press the button quickly (less than 0.8 seconds): Moves to the previous file or plays the current file from the beginning (depending on the play time) • If play time is less than 3 seconds, moves to the previous file • If play time is more than 3 seconds, plays the current file from the beginning If you press and hold the button (more than 0.8 seconds), it rewinds the track
8 Play/Pause	Plays/pauses the current file
9 Next File	• If you press the button quickly (less than 0.8 seconds): Moves to the next file • If you press and hold the button (more than 0.8 seconds) it will fast-forward the track
10 Repeat	Repeats the current file • If you select a song in the file tab on the list screen: Press the [ ] button to switch between repeating one song [ ] and turning repeat off [ ]. • If you select the song in another tab (Playlist, Artist, Song, Album, Genre) on the list screen: Press the [ ] button to switch between repeating one song [ ] and turning repeat off [ ]

Features	Description
11 Shuffle	Plays files in random order • If you select a song in the file tab on the list screen: Press the ⊠ button to switch between shuffle ⊠ and turning shuffle off ⊟ • If you select a song in the other tabs (Playlist, Artist, Song, Album, Genre) on the list screen : Press the ⊠ button to switch between shuffle ⊠ and turning shuffle off ⊟

Features	Description
12 Scan	Scans the start of files (approx. 10 seconds per file) • If you select a song in the file tab on the list screen : Press the ⊕ button to switch between scan ⊕ and turning scan off ⊟ • If you select a song in the other tabs (Playlist, Artist, Song, Album, Genre) on the list screen : Press the ⊕ button to switch between scan ⊠ and turning scan off ⊟
13 Menu	• Add to Playlist : Adds the current song to the Playlist The playlist is located on the left tab in the list • Delete Current File : Deletes the current track from My Music.
14 SEEK/ TRACK	If you press the key quickly (less than 0.8 seconds), it goes to the previous/next file or plays the current song from the beginning • If play time is less than 3 seconds, moves to previous/next file • If play time is more than 3 seconds, plays the current file from the beginning If you press and hold the key (more than 0.8 seconds) it will rewind/fast-forward the track
15 TUNE	Turn the ⬤ TUNE knob to search for a track. When the desired track is displayed, press the ⬤ TUNE knob to play the track. ⓘ If the ⬤ TUNE knob is not pressed within 5 seconds of searching for tracks, the track info for the current track is restored.
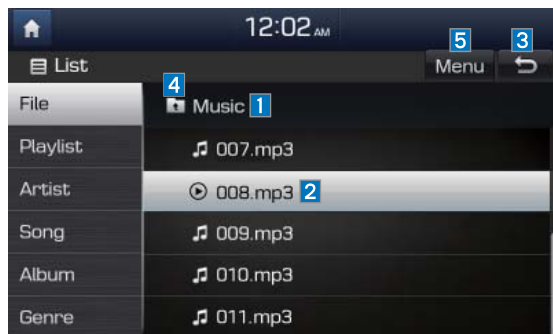
Features	Description
1 Folder/ Category Name	Displays the folder/category name in the list
2 Category List	Displays currently playing file name
3 Back Button	Converts to basic mode screen
4 Upper Folder	Moves to Root Folder

Features	Description
5 Menu	• Add to Playlist: Adds the current track to the Playlis : The playlist is located on the left tab in the list (maximum 100 files). Select a track and press "Add to Playlist" to add the track to the playlist • Delete from Playlist : Select a track from the playlist and press "Delete from Playlist" to delete the track from the playlist • Delete Files : Deletes files from My Music ⓘ If you delete a file from My Music, the informa tion related to the song is also deleted from the list. Now Playing : When moving to a different list screen, it moves to the list page where the current file is located (disabled when the current list includes the current file)
6 SEEK/ TRACK	If you press the key quickly (less than 0.8 seconds), it goes to the previous/next file or plays the current song from the beginning • If play time is less than 3 seconds, moves to previous/next file • If play time is more than 3 seconds, plays the current file from the beginning If you press and hold the key (more than 0.8 seconds) it will rewind/fast-forward the track
7 TUNE	Turn the ⬤ TUNE knob to move to the previous/next file. If the file you want to play is displayed, press the ⬤ TUNE knob to play the track. ⓘ If the ⬤ TUNE knob is not pressed within 5seconds of searching for tracks, the Tune search will be terminated.

MEMO

2-48 I Using AV

part.3 **Using Bluetooth**

Before Using Bluetooth® Hands-free
Bluetooth Connection
Bluetooth Phone

Using Bluetooth

Before Using Bluetooth® Hands-free

What is *Bluetooth*® Wireless Technology?

• *Bluetooth*® Wireless Technology refers to a short-distance wireless networking technology that 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*® Wireless Technology is transmitted at high speeds without having to use a connector cable.

• Bluetooth® Hands-free refers to a device that allows the user to conveniently make phone calls with Bluetooth® mobile phones via the Multimedia System.

• The Bluetooth® Hands-free feature may not be supported on some mobile phones.

Precautions for Safe Driving

• Bluetooth® Hands-free is a feature that enables drivers to practise 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 manual.

• Excessive use or operation while driving may lead to negligent driving practices and may cause 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.**

CAUTIONS for Connecting a Bluetooth® Phone

• Before connecting the head unit to the mobile phone, check that the mobile phone supports Bluetooth® features

• Even if the phone supports *Bluetooth*® Wireless Technology, the phone will not be connected if Bluetooth® is turned off. Turn on Bluetooth® prior to connecting to the head unit.

• The Bluetooth® phone will be connected automatically 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® feature off on the Bluetooth® device.

• Park the vehicle when connecting the head unit to the mobile phone.

• Bluetooth® connection may be intermittently disconnected on some mobile phones. Follow these steps to try again.

    1. Turn the Bluetooth® function within the mobile phone OFF/ON and try again.

    2. Turn the mobile phone power OFF/ON and try again.

    3. Completely remove the mobile phone battery, reboot and try again.

    4. Reboot the Multimedia System and try again.

    5. Delete all paired devices from both phone and Head Unit and try again

• The Hands-free 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 stop your vehicle.

• When downloading contacts, anything not described within this user manual may be related to the mobile device. In this case, please enquire with the mobile phone manufacturer.

Bluetooth Connection

Pairing a New Device

Before you can use the Bluetooth feature, you must first pair/connect your mobile phone to your car.
Up to 5 Bluetooth devices can be paired.
Only one Bluetooth device can be connected at a time.

Pairing a New Device by Selecting Phone/Call

Select ⌜📞⌟ key in the head unit or ⌜📞⌟ key in the steering wheel remote control. ▶ Select ⌜Yes⌟. ▶ Pair your car after your mobile phone detects the Bluetooth device. ▶ Enter the passkey or accept the authorisation pop-up. ▶ Connect Bluetooth.

Pairing a New Device Via Phone Settings

Select ⌜⚙⌟ key in the head unit. ▶ Select ⌜Phone⌟. ▶ Select ⌜Bluetooth connection⌟. ▶ Select ⌜Add new⌟. ▶ Pair your car after your mobile phone detects the Bluetooth device. ▶ Enter the passkey or accept the authorisation pop-up. ▶ Connect Bluetooth.

The default passkey is 0000.
The device name above is an example. Check the actual information on the product.

Connecting Bluetooth Devices

Connect the Bluetooth devices that you add.

Connecting Devices by Selecting Phone/Call

Select ⌜📞⌟ key in the head unit or ⌜📞⌟ key in the steering wheel remote control. ▶ Select the name of the device to connect. ▶ Connect Bluetooth.

Connecting Devices Via Phone Settings

Select ⬚ key in the head unit. ▶ Select Phone . ▶ Select Bluetooth connection . ▶ Select the name of the device to con- nect. ▶ Connect Bluetooth.

Disconnecting Bluetooth Devices

Disconnect Bluetooth devices that are connected.

Select ⬚ key in the head unit. ▶ Select Phone . ▶ Select Bluetooth connection . ▶ Select the name of the device to dis- connect.

Deleting Bluetooth Devices

Delete Bluetooth devices that you have added. Note that deleting a Bluetooth device will delete all Call History and Contact Info downloaded as well.

Select ⬚ key in the head unit. ▶ Select Phone . ▶ Select Bluetooth connection . ▶ Select Delete devices . ▶ Select the device name to delete. ▶ Select Delete .

Bluetooth Phone

Phone Status Icons

Shows the current phone status in the top right of the display.

Icons	Description
	You can use Bluetooth phones when a Bluetooth hands-free connection is established.
	You can use Bluetooth audio features when a Bluetooth audio connection is established.
	You can use Bluetooth phones and audio features when both Bluetooth Hands-free and audio connections are established.
	Call signal strength indicator
	Battery level of the Bluetooth devices connected
	Downloading Call History list
	Downloading Contacts
	In a Bluetooth phone call
	Microphone muted

ⓘ Information

• The battery level icon and the call signal strength indicator may not be supported on some Bluetooth devices.
• The battery level may differ from the actual level remaining

Dial

Dials a call after the Bluetooth devices have been connected.

• Select [icon] key in the head unit or [icon] key in the steering wheel remote control.
• Select All menus from the full screen display ▶ Phone .

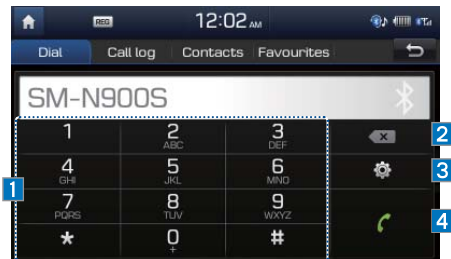| Name	Description
1 Keypad	Use the keypad to enter the phone number that you want to call. Press and hold the last number of a speed dial to dial a number that you have added to the Speed Dial list on the phone.
2 Delete	Delete the numbers that you entered.
3 Settings	Moves to Phone Settings Screen
4 Call	Makes a call after you dial a number and select CALL. If the number is listed in Dialled Calls, you can select the number and press CALL to automatically dial that number again.

ⓘ Information
• Some types of mobile phone may not support the Speed Dial function.

Accept/Reject Call
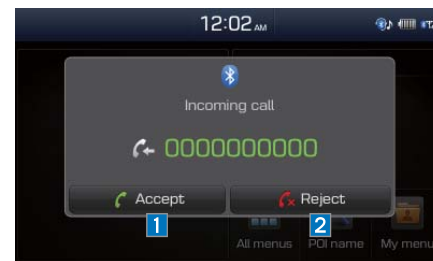
If there is an incoming call after you connected Bluetooth, a pop-up message will appear.

Name	Description
1 Accept	Answers the call.
2 Reject	Ignores the call.

ⓘ Information
• On some mobile phones, the caller's number may not be displayed, and the Ignore feature may not be supported.

Using the Menu During a Phone Call
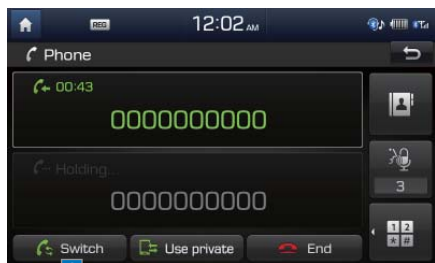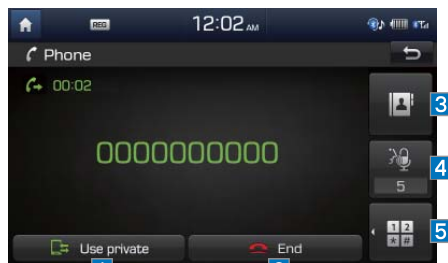
When making a call, you can use the following menu items.

Name	Description
1 Use private	Switches a voice call from the car hands-free to the mobile phone.
2 End	Ends a call.
3 Contacts	Displays the Contacts list.
4 Outgoing volume	Displays the Mic Volume settings. You can adjust the in-call volume that the other party hears (level 1 - 5).
5 Keypad	Moves to the screen for entering ARS numbers.
6 Switch	Switches to a call on hold, if any. You can also switch calls by selecting the number in the Information Display. The Switch function switches the current call to a waiting call in order to answer a new incoming call.

i Information

• If the caller's number is listed in Contacts, the caller's name will be displayed. Otherwise, only the number will be displayed. On some mobile phones, the phone number may not be displayed.
• On some Bluetooth devices, the Use Private feature may not be supported.
• On some Bluetooth devices, the Switch feature may not be supported.
• During a phone call on a Bluetooth Hands-free, you cannot access other modes, such as AV and Settings. You can switch to in-call volume control and navigation modes only.
• Depending on handset type, the in-call volume that the other party hears may differ. If the other party reports that your voice is too quiet or too loud, adjust the mic volume.

Call Log

Select [📞] key in the head unit ▶ and then [Call log] .
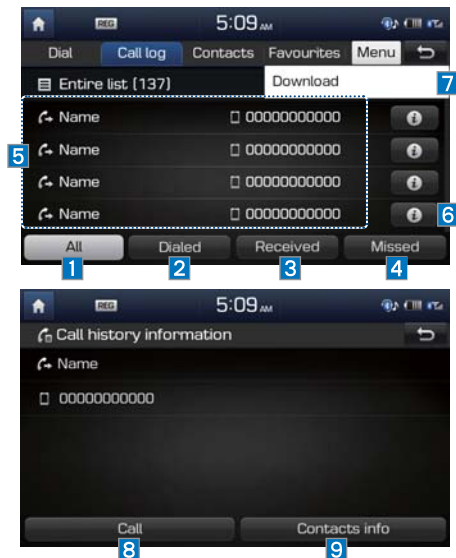
Name	Description
1 All	Lists the all call history.
2 Dialed	Lists the calls that you have made.
3 Recieved	Lists the calls that you have received.
4 Missed	Lists the calls that you have missed.
5 Call log	Displays your call history. Select from the list to dial the number.
6 Information	Displays the details of your call history information.
7 Download	Downloads the call history information from your mobile phone.
8 Call	Dials the selected number in your Call History Information.
9 Contacts info	Goes to the Contact Information screen if the number has been stored.

ⓘ **Information**

• On some mobile phones, call records might not be added to your Call History.

• Calls from restricted IDs are not added to your Call History Information.

• Up to 50 calls can be added to each Dialed Calls/Received Calls/Missed Calls list.

• The duration of each dialed/received call is not displayed on your car's Call History list.

• When the call history download is in progress, the status bar displays an icon (🔄).

• If the call history download is turned off via the Bluetooth device, the download will fail.

• Some devices require device authentication for downloading call history. If download fails, check if the Bluetooth settings or display status are normal.

• Some devices do not support downloads. Check whether your Bluetooth device supports downloads.

Contacts

Select 📞 key in the head unit ▶ and then Contacts
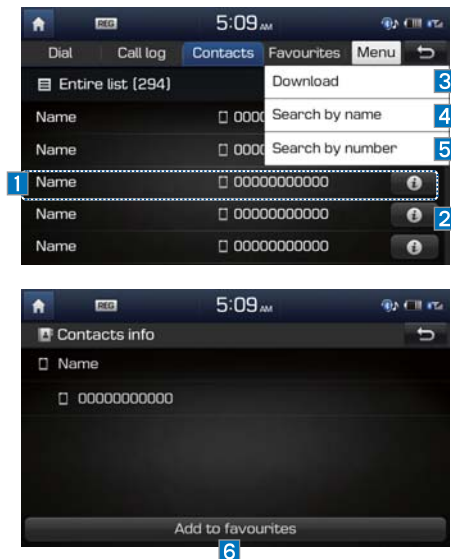
Name	Description
1 Contacts list	The list of Contacts. Select from the list to dial the number.
2 Information	Displays contact information.
3 Download	Downloads contacts from your mobile phone.
4 Search by name	Searches Contacts for the name that you enter.
5 Search by number	Searches Contacts for the number that you enter.
6 Add to favourites	Adds a phone number to Favourites.

ⓘ Information

• Up to 5000 phone numbers can be downloaded from a single, paired Bluetooth device.
• You cannot edit and delete downloaded phone numbers from your car.
• Contacts can be viewed only when the Bluetooth device is connected.
• Even if the Bluetooth device is disconnected, the downloaded data will remain. Note that deleting a paired phone will also delete all downloaded Contacts and Call History data.
• Downloaded phone numbers may be lost depending on the condition of the head unit. Keep your important data in a safe place.
• Depending on differing mobile phone models and conditions, the time for transferring and downloading contacts may vary.
• If you download contacts from your phone, the existing data will be deleted.
• By default, contacts from both the SIM card and your mobile phone are downloaded at the same time.
• While downloading contacts, the status bar displays a .
• If the contacts download function is turned off on the Bluetooth device, the download will not be available.

• Some devices require device authentication for downloading contacts. If download fails, check if the Bluetooth settings or display status are normal.
• Some devices do not support downloads. Check whether your Bluetooth device supports downloads.

Favourites

Select [ ] key in the head unit ▶ and then Favourites .
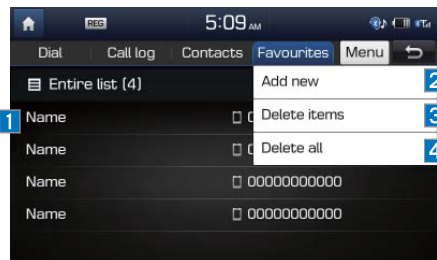
Name	Description
1 Favourites	List the phone numbers saved as favourites. Select from the list to dial the number.
2 Add new	Add a new number to Favourites.
3 Delete items	Delete numbers that you select from Favourites.
4 Delete all	Delete all of the numbers from Favourites.

03

MEMO

part.4 **Navigation**

04

Navigation

Basic Features

Navigation Screen Control

These are the basic control features available on the map screen.
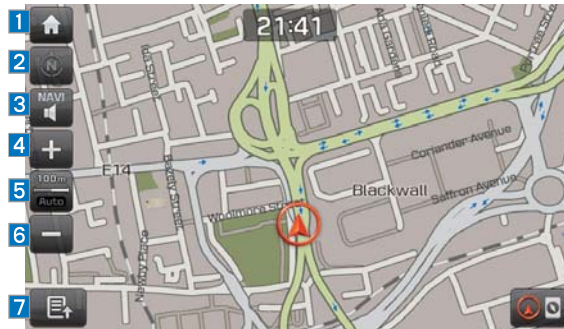
Touch a location on the map screen to centre the map around the selected location.
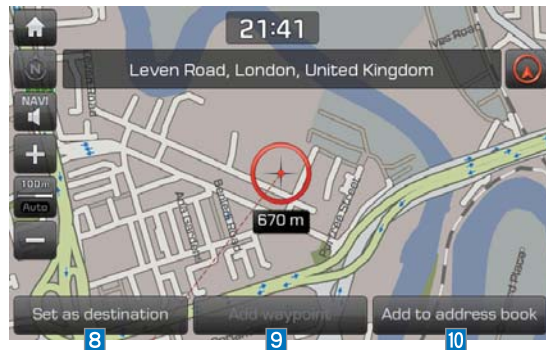
	Name	Description
1	🏠	Go to the Home widget
2	Ⓝ	Change the map view perspective
3	NAVI 🔇	Mute/unmute sound
4	＋	Zoom in
5	100m Auto	Auto-zoom based on the guidance
6	－	Zoom out
7	📑	Quick menu
8	Set as destination	Set the selected location as the destination
9	Add waypoint	Add the selected location as a waypoint on the existing route
10	Add to address book	Add the location to the address book

Map View Change

You can change the map view perspective between fixed map, rotating map and bird's-eye 3D view.
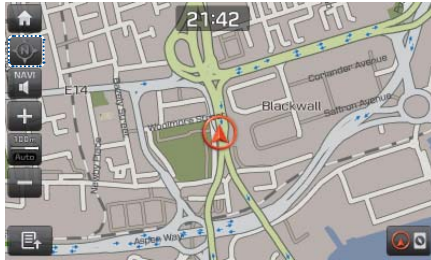
Press the ![icon] button to fix the map direction on the screen. The map will always point north, regardless of the direction the vehicle is moving.
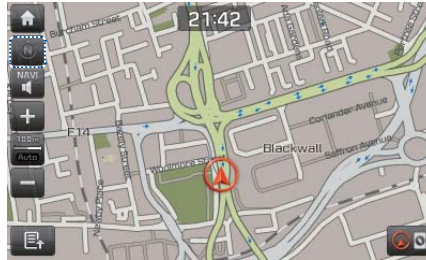
Press the ![icon] button to set the map in rotation mode. The map rotates as the direction of the vehicle changes.

Press the ![icon] button to change to the bird's-eye 3D view. The map appears in 3D view.

Navigation Sound

Press the navigation sound buttons to adjust the volume and mute or unmute.

Name	Description
1 🔊	Press the button to mute or unmute.
2 ➖ ➕	Press the buttons to adjust the volume.
3 10	Drag the volume control bar to adjust the volume.

Zoom In/Out

Press the ⊞ and ⊟ buttons to zoom the screen in and out.

Scale Selection

You can set the map scale to change automatically during the journey.

Name	Description
Fix Scale	Fixes the map scale.
Automatic Scale	The map scale changes automatically according to the class of the current road.

Compass
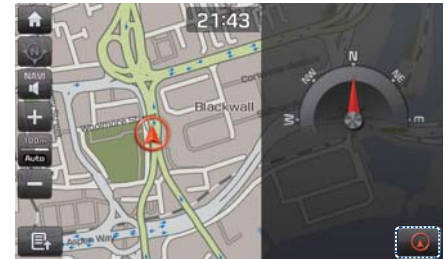
Press the compass button in the bottom right-hand corner of the screen to turn the compass on/off.

Menu

Route

Select the ⧉ button in the bottom left-hand corner of the screen ▶ Select the Route button.

You can set route options, detours and streets to avoid.

Route Options

Set the route, traffic, main road, vignette, ferry, time restricted, toll road and tunnel options and press the OK button.

Detour

Select a detour distance to take a detour for that distance. Press the Using map button to select a detour location on the map.

Avoid Street

Select sections of the route as avoided streets to make the route avoid those sections.

Address Book

Select the 📑 button in the bottom left-hand corner of the screen ▶ Select the `Add to address book` button.

You can add addresses and use them on the system.

Use the keypad to search for an address.
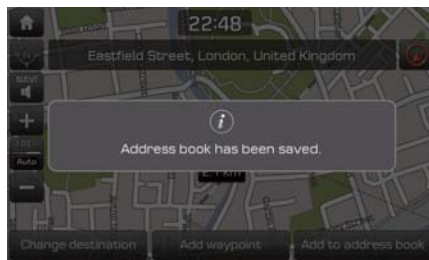
When you search for an address, it is automatically added to the address book.

POI

Select the 📑 button in the bottom left-hand corner of the screen ▶ Select the `POI` button.

You can view information on nearby points of interest.

Viewing POIs
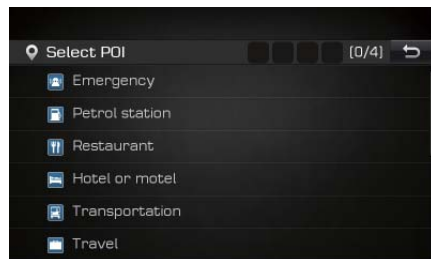
From the list of various location types, select a location type (e.g. petrol stations) to view as icons on the map.

Tick the box of a location type to view.
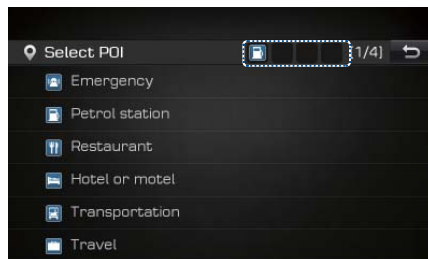
The selected icon appears constantly at the top of the screen and the corresponding locations appear on the map.

Nearby POIs

Select Near current position, Near destination, Along route, Near scroll mark or Near city centre to view POIs for the selected area.

Map View

Select the ⊞ button in the bottom left-hand corner of the screen ▶ Select the Map view button.

Fixed Map
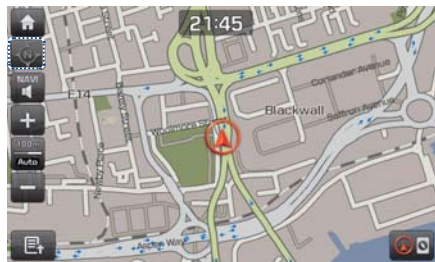
Press the 🞊 button to fix the map direction on the screen. The map will always point north, regardless of the direction the vehicle is moving.

Rotating Map
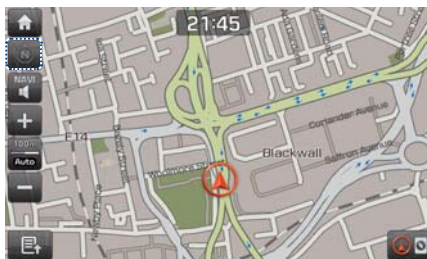
Press the 🞊 button to set the map in rotation mode. The map rotates as the direction of the vehicle changes.

Bird's-eye View

Press the 🞊 button to change to the bird's-eye 3D view. Buildings and other structures appear as 3D objects on the map.

Traffic Information

Select the ⊞ button in the bottom left-hand corner of the screen ▶ Select the Traffic button.
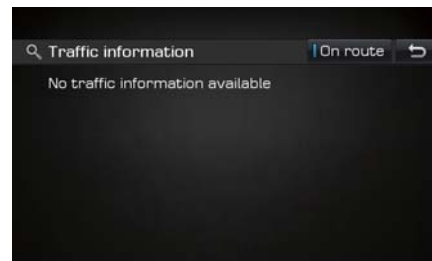
You can obtain traffic information for selected areas. Press the On route button in the top right-hand corner to view traffic information along the route.

Stop Guidance

Select the ⊞ button in the bottom left-hand corner of the screen ▶ Select the `Stop guidance` button.

The current route will be canceled.

Search

Address Search

Press the `NAV` key on the head unit ▶ Select the `Destination` tab ▶ Select the `Address` icon.
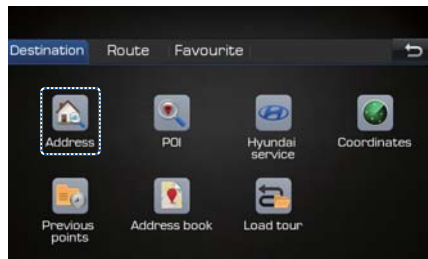
You can search for an address and set it as your destination.

You can search by entering country, city and street.
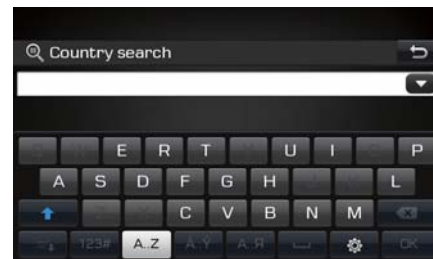
Use the keypad to enter country (e.g. Germany).

Enter city.

Select a city.

When the location information is displayed, you can press the Set as destination button to start route guidance to the selected location.

Name	Description
1 Set as destination	Set the selected location as destination.
2 Add waypoint	Adds the selected location as a waypoint on the current route guidance.
3 Add to address book	Adds the selected location to the address book.

POI

Press the NAV key on the head unit ▶ Select the Destination tab ▶ Select the POI icon.
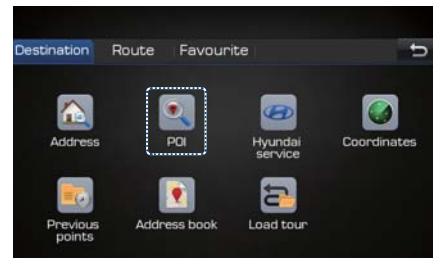
You can search for points of interest.

Search for a POI by category, name or telephone number.

POI Category

Select Near current position, Near destination, Along route, Near scroll mark or Near city centre to view POIs for the selected area. (e.g. Near current position)
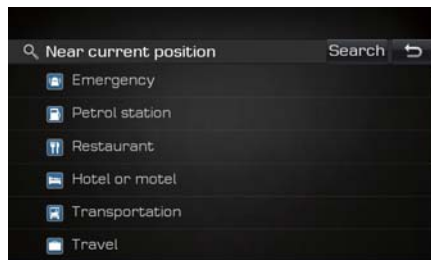
Select a sub-category. (e.g. Emergency) Press the Search button in the top right-hand corner to search for a POI using the keypad.
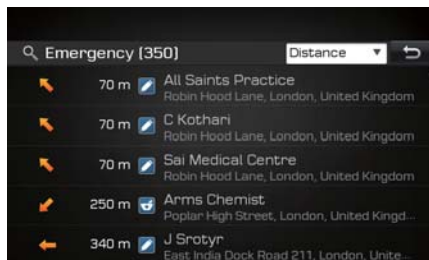
This is the POI search results screen. You can sort the search results by distance, name or category.
Select a POI.
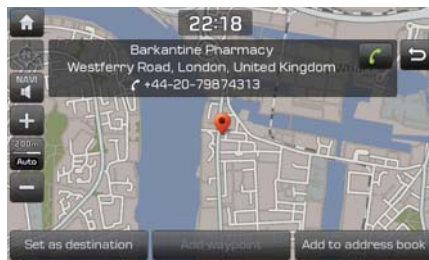
When the location information is displayed, you can press the Set as destination button to start route guidance to the selected location.

POI Name

Use the keypad to enter the name of a POI.
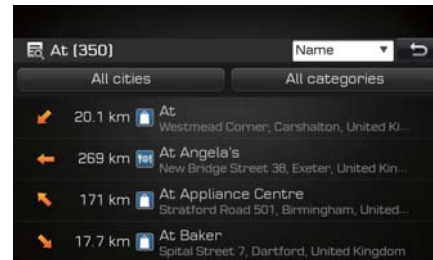
This is the POI search results screen. You can reorder the results for all cities and all categories.
Select a POI.
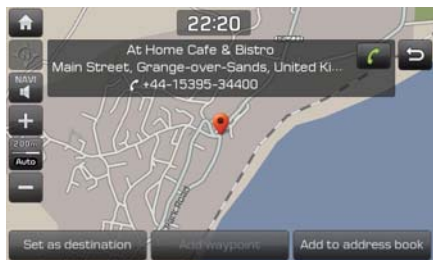
When the location information is displayed, you can press the `Set as destination` button to start route guidance to the selected location.

Phone Number

You can search for a POI by phone number.
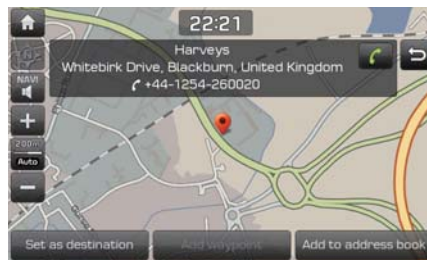
When the location information is displayed, you can press the `Set as destination` button to start route guidance to the selected location.

Hyundai Service

Press the `NAV` key on the head unit ▶ Select the `Destination` tab ▶ Select the `Hyundai service` icon.
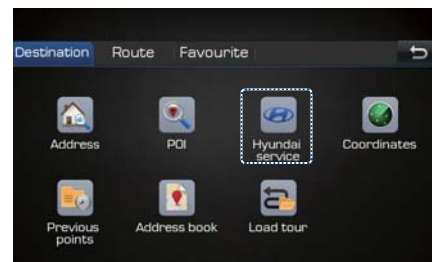
You can obtain location information about Hyundai Service Centres.

Search by Near current position, Service name or Service phone number.

Near Current Position
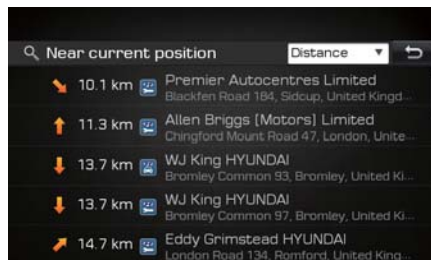
You can obtain search results near your current position. You can order the search results by distance, name or category.
Select a destination.
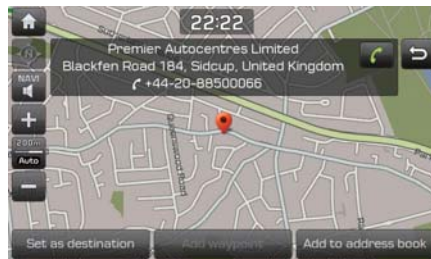
When the location information is displayed, you can press the Set as destination button to start route guidance to the selected location.

Service Name

You can search for a service centre by entering its name using the keypad.
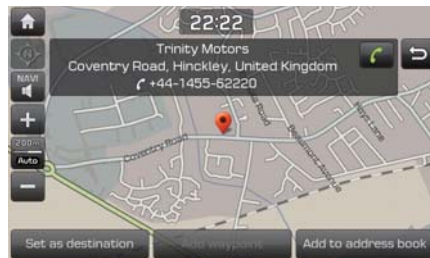
When the location information is displayed, you can press the Set as destination button to start route guidance to the selected location.

Phone Number

You can search for a service centre by entering its phone number.
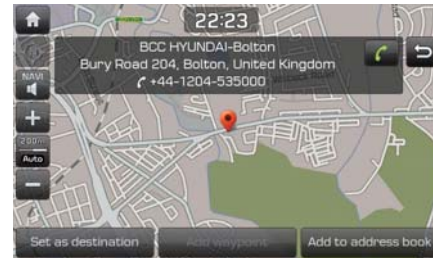
When the location information is displayed, you can press the Set as destination button to start route guidance to the selected location.

Search I 4-13

Coordinates

Press the NAV key on the head unit ▶
Select the Destination tab ▶ Select the
 Coordinates icon.
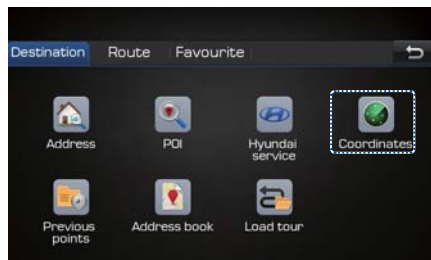
You can search for a destination by enter-
ing its coordinates.

Select D.M.S. or Deg., enter the coordi-
nates and press the OK button.

When the location information is displayed,
you can press the Set as destination button
to start route guidance to the selected
location.

Previous Points

Press the NAV key on the head unit ▶
Select the Destination tab ▶ Select the
 Previous points icon.

You can select one of the locations you
previously searched for as the destination.
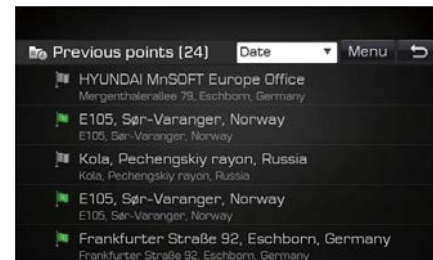
You can order the search results by date,
name or category.
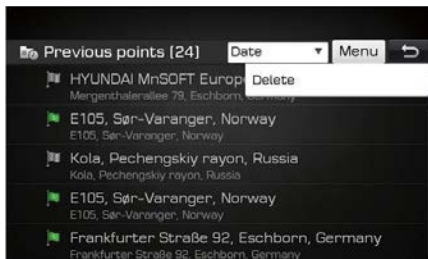
Press the [Menu] button in the top right-hand corner to delete a location.
Select a location to view it.
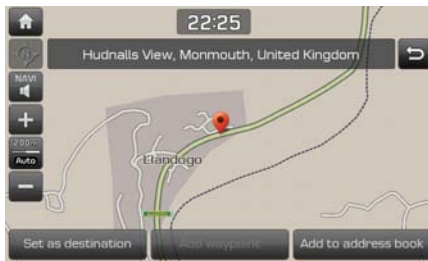
When the location information is displayed, you can press the [Set as destination] button to start route guidance to the selected location.

Address Book

Press the [NAV] key on the head unit ▶ Select the [Destination] tab ▶ Select the [Address book] icon.
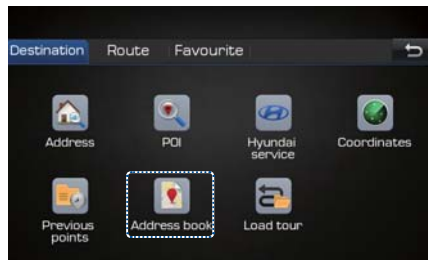
You can open the address book.

You can view the locations stored in your address book. You can order the search results by date, name or category.

Press the [Menu] button in the top right-hand corner to delete or edit a location.

Select a location and edit it.

You can add or edit a location by entering its address book name, phone number, symbol or favourites option.

Select an icon and set it as the symbol for the location.

Select Home, Office, Favourite 1 or Favourite 2 and press the OK button to add the location to Favourites.

Load Tour

Press the NAV key on the head unit ▶ Select the Destination tab ▶ Select the Load tour icon.
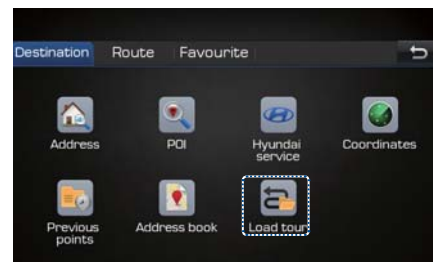
The list of saved tours is loaded.

You can sort the results by date or name. Select one of the saved tours.

Press the 　Menu　 button in the top right-hand corner to delete a tour.

This is the detailed information of the loaded tour.
Press the 　Add waypoint　 button to add a waypoint.

You can add various items to your tour.

When tour registration is complete, you can start the route guidance as shown above.

Name	Description
1 　■ Fast	Shows the distance and time for the fast route.
2 　■ Short	Shows the distance and time for the short route.
3 Start guidance	Starts the guidance.
4 Route option	Changes the route options.
5 Route scan	Scans the route.
6 Route info	Displays the route information.

04

Route

Stop Guidance

Press the ⬛NAV key on the head unit ▶ Select the ⬛Route tab ▶ Select the ⬛Stop guidance icon.
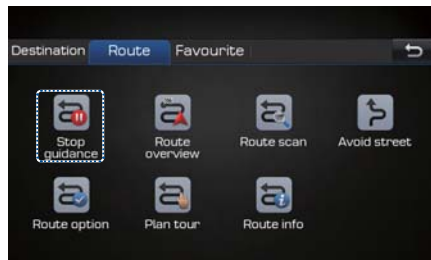
Click the icon to stop guidance.

Route Overview

Press the ⬛NAV key on the head unit ▶ Select the ⬛Route tab ▶ Select the ⬛Route overview icon.
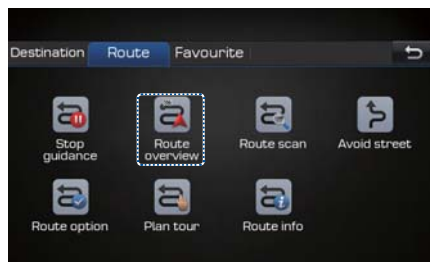
The route overview feature is activated.

The route overview is displayed on the screen as shown above.

Name	Description
1 ⬛Fast	Shows the distance and time for the fast route.
2 Start guidance	Starts the guidance.
3 Route option	Changes the route options.
4 Route scan	Scans the route.
5 Route info	Displays the route information.

Route Scan

Press the [NAV] key on the head unit ▶
Select the [Route] tab ▶ Select the
[Route scan] icon.
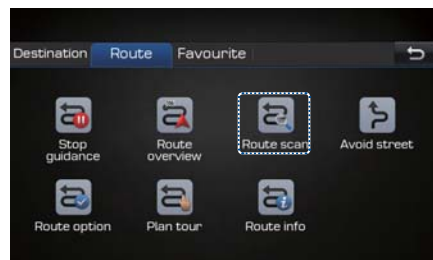
The route scan feature is activated.
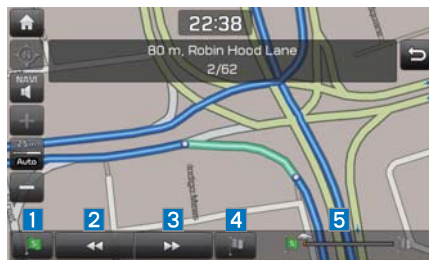
Name	Description
1	Go to the beginning section
2	Go to the previous section
3	Go to the next section
4	Go to the destination section
5	Drag the bar to move between sections

Avoid Street

Press the [NAV] key on the head unit ▶
Select the [Route] tab ▶ Select the
[Avoid street] icon.

The Avoid street feature is activated.

Tick the box for a section to avoid it in route guidance.

Route Options

Press the NAV key on the head unit ▶ Select the Route tab ▶ Select the Route option icon.

The route options feature is activated.

Set the route, traffic, main road, vignette, ferry, time restricted, toll road and tunnel options and press the OK button.

Plan Tour

Press the NAV key on the head unit ▶ Select the Route tab ▶ Select the Plan tour icon.
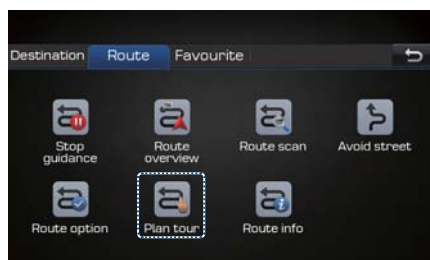
The plan tour feature is activated.

All waypoints are displayed for the route. You can press the Add waypoint button to add more waypoints.

Route Info

Press the NAV key on the head unit ▶ Select the Route tab ▶ Select the Route Info icon.

The route information feature is activated.
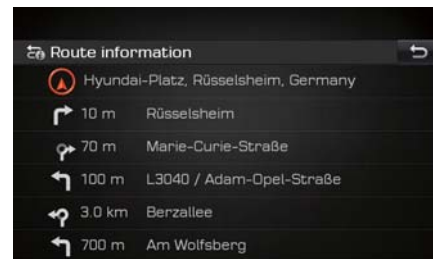
A description is provided for each of the sections. Select a section to view detailed map information for it.
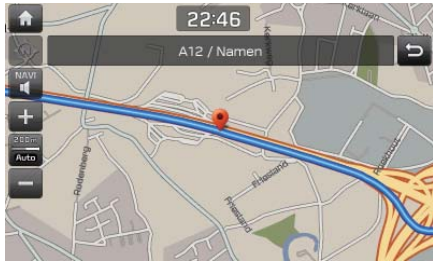
You can obtain information for a selected area on the map as shown above.

Favourites

Select an item to add a favourite (e.g. Home).
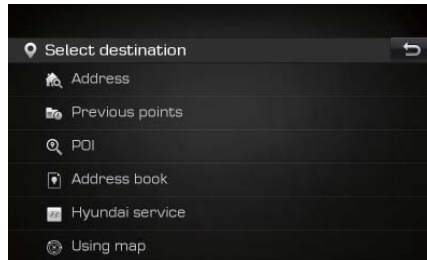
Search for a destination using various methods and add it as a favourite.

Route Guidance Screen

Route Screen
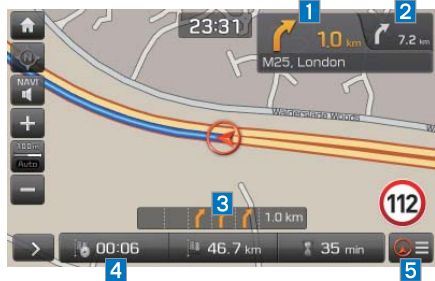
Name	Description
1 ↱ 1.0 km	Displays distance and direction info for the upcoming intersection.
2 ↱ 7.2 km	Displays distance and direction info for the next intersection.
3	Yellow arrows indicate recommended directions and white arrows indicate other possible directions.
4 00:06	Displays the arrival time, total distance and travel time.
5	Opens/closes the detailed view window.

Press the detailed view button to obtain detailed information for the current section as shown above. You can also select a section to view detailed information for that section.

Name	Description
1 ◀◀	Go to the previous section
2 ▶▶	Go to the next section
3	Skip the current section

Settings

General
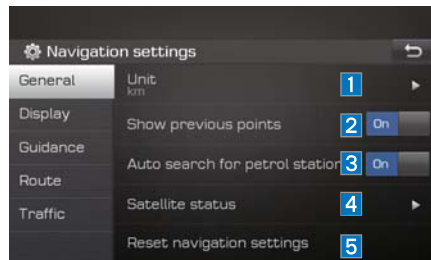
Name	Description
1 Unit	Sets the units to km or mi.
2 Shows previous points	Shows/hides previous destination points.
3 Auto-search for petrol station	Enables/disables auto-search when low on fuel.
4 Satellite status	Shows the satellite reception information.
5 Reset navigation settings	Resets the navigation settings.

This is the satellite reception information screen.

Display
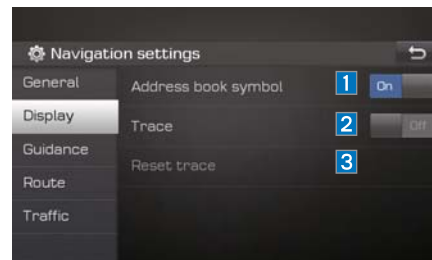
Name	Description
1 Address book symbol	Shows/hides symbols for registered locations on the map.
2 Trace	Shows/hides the trace.
3 Reset trace	Resets the trace.

Guidance
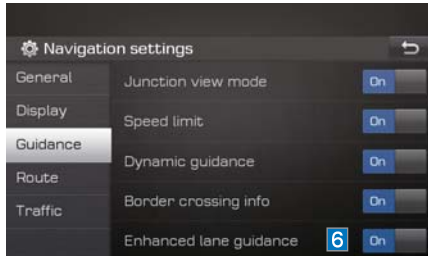
Name	Description
1 Intersection mode	Enables/disables Intersection mode.
2 Junction view mode	Enables/disables Junction View mode.
3 Speed limit	Shows/hides the speed limit.
4 Dynamic guidance	Enables/disables dynamic guidance.
5 Border crossing info	Shows/hides border crossing info.
6 Enhanced lane guidance	Enables/disables enhanced lane guidance.

Route
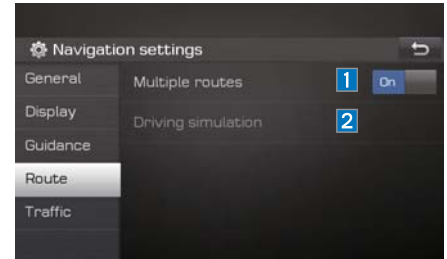
Name	Description
1 Multiple routes	Enables/disables multiple route search.
2 Driving simulation	Activates driving simulation.

Traffic
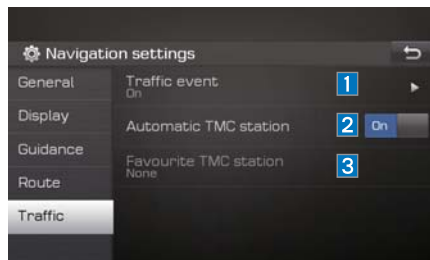
Name	Description
1 Traffic event	Set the traffic event notifications
2 Automatic TMC station	Enables/disables automatic TMC station tuning
3 Favourite TMC station	Set Favourite TMC station tuning

This is the traffic event settings screen. On , Off or Auto can be selected.

ℹ **Information**

• Traffic support in border-crossing pop-ups and speed limit information by road may not be accurate. Please use the information at your discretion.

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Map Update

At the System Info screen, insert the updated memory (SD card: Map, Activation file)
with the latest file and then select the UPDATE button to begin updating.
The system will then reboot automatically.
• This product needs supplemented software updates, additional new functions and renewed maps, which collectively may take some time to complete, depending on the amount of data.
• You can obtain recent maps, activation codes and new software from the importers. Update the system using the SD card.

⚠ **CAUTION**
• If the power is disconnected or the SD card is removed during an update, data might be damaged. Please wait until the update is complete with the engine on.

⚠ **CAUTION**
• Map data such as road name, POI, speed limit, etc. may not always been completely updated. It might happen that map data is not up to date.

part.5 Voice Recognition

05

Voice Recognition

What is Voice Recognition?

Voice recognition technology runs the system as ordered by recognising your voice command to ensure the safe operation of multimedia while you are driving the car.
Unfortunately, not all possible voice commands are recognised by the system due to technological limitations. To make up for these limitations, the system displays the voice commands that are available for you to use.
Sometimes errors can occur in communication between people. Likewise, voice recognition may sometimes misunderstand your voice commands. If this happens, either check the screen for the available options and say the command again or manually select and press the button for the corresponding command on the screen.

Precautions Required for Successful Voice Recognition

1. Voice recognition supports only the commands that are displayed on the screen and written in the User Guide.
2. To ensure the correct recognition and execution of your command, say your command when you hear the beep after a voice prompt.
3. Voice recognition automatically ends if:
   1) A call is incoming or outgoing
   2) Media (USB or iPod, etc.) is connected or disconnected
   3) The front or rear view camera is operated (optional)
   4) The car engine starts or stops
   5) A system key such as RADIO or MEDIA is selected
   6) An emergency occurs, for example searching again for a route after the navigation route has been lost

4. The microphone that recognises your voice is located above the driver's seat. To enable your commands to be understood better, keep your body straight in the driver's seat when speaking the command.
5. Speaking naturally and clearly will ensure better recognition of your voice commands.
6. In the following cases, voice recognition will be affected by ambient noise.
   1) The sound of the wind if the sun roof or any windows are open.
   2) A strong wind blowing from the air vents. Set climate control below level 3.
   3) Vibration when passing through a tunnel.
   4) Vibration when driving on an uneven road.
   5) Storms and heavy rain.

Voice Recognition Features by Language

Voice recognition support availability varies according to the language set for the system. Please verify the currently set language before using the voice recognition feature. Voice recognition features are supported for each language as listed in the table below.

	UK English	French	Portuguese	Italian	German	Spanish	Russian
Audio & Video	Supported	Supported	Supported	Supported	Supported	Supported	Supported
Navigation	Supported	Supported	Not supported	Supported	Supported	Supported	Not supported

	Dutch	Swedish	Polish	Turkish	Czech	Danish	Slovakia
Audio & Video	Supported	Supported	Supported	Supported	Supported	Supported	Not supported
Navigation	Supported	Not supported	Not supported	Not supported	Not supported	Not supported	Not supported

Starting/Ending and Setting Up Voice Recognition

Starting Voice Recognition

Press the key quickly (for less than 0.8 seconds) on the steering wheel remote control to activate voice recognition.

Please say a command. (Ding~ ♪)

Ending Voice Recognition

1. Select "Exit" to the bottom left to end voice recognition.
2. Press and hold (for more than 0.8 seconds) the key on the steering wheel remote control to end voice recognition.

Please say a command. (Ding~ ♪)

Exit

Terminating voice recognition. (Di-Ding~ ♪)

Voice Recognition Quick Start (Manual Control)

The usual way of activating voice recognition is by waiting for the voice guide and then speaking your command for a task. Since this method requires that you wait a while for the voice guide, you can select one of the commands shown on the screen to speed up the process.

You might find this feature useful when you do not want to wait for the full voice guide or when the system does not recognise your voice.

12:02 AM

Frequently used commands

"Search address"   "Previous destinations"

"Radio"   "Music"

"Call"
Please pair the phone   "DAB"

Exit   To learn more, say "Help"   Help

Extending the Standby Time

When the system is waiting for your command, after the voice prompt and beep have been heard, press the voice recognition icon quickly (less than 0.8 seconds) and the beep will sound again and standby mode will restart.

When activated, voice recognition waits for your command for 5 seconds. If you say nothing for 5 seconds, a voice prompt will ask for your command.

Skipping Prompt Messages

When you hear the prompt message, lightly touch the voice recognition icon on the steering wheel remote control to skip the message and go directly to standby mode to say your command.

This results in faster operation when you feel the message is too long or you already know the command to use.

Adjusting Voice Recognition Volume

During voice recognition, turn the volume knob to the left/right to adjust the message volume.

Voice Recognition Screen Overview

Start Screen

Name	Description
1 Frequently used commands	Displays the six most frequently used commands.
2 Unavailable command	Displays commands that are not available due to a failure to meet the conditions for using them and therefore need additional settings. The conditions required for using them will be described briefly under each command.

Name	Description
3 Voice recognition status icons	Standby Voice guidance Voice command process
4 User's speaking volume being recognised	Displays the voice command volume in realtime.
5 Recognised results	Displays the voice recognition result.
6 Help	Displays all available help commands in a tree format.
7 Exit	Ends voice recognition.

Help Screen
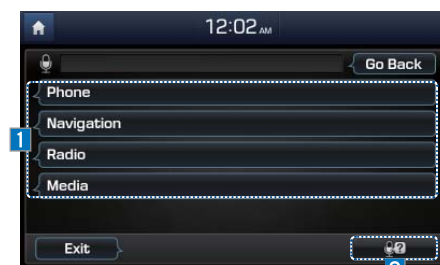
Name	Description
1 Command list	• Shows the available commands. • Select or say a command to display additional commands in detail.
2 General instructions	This section provides general instructions for using voice recognition.

Voice Recognition Screen Overview I 5-7

Instructions for Using Voice Recognition
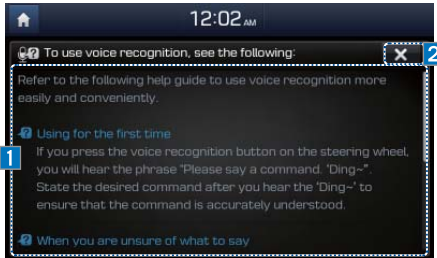
Name	Description
1 Detailed instructions	This section describes in detail how to use voice recognition.
2 Close button	Closes the screen and restarts voice recognition.

ⓘ **Information**

• In the instructions screen, no voice is recognised, so you must manually issue commands. Because the instructions screen displays a lot of content, you cannot view it while driving for safety reasons.

Voice Commands

Types of Command

Voice recognition commands are classified as "Global Commands " and "Local Commands."

1. Global Commands (●) : Commands that can be used immediately after activating voice recognition.
2. Local Commands (○) : Commands that can be used when a multimedia, navigation or Bluetooth call is running or displayed on the screen, after activating voice recognition.

Phone Commands

* Check the following before using call commands:

1. Voice commands related to phone calls can be used after connecting the Bluetooth device.
2. To call a person whose name is listed in Contacts, for example "Call <John Smith>", you must first download the Contacts list. For details on downloading contacts, see Part 3. Using Bluetooth > Chapter 3. Bluetooth Phone > 3.10 Contacts.
3. After downloading Bluetooth contacts, it will take some time to convert the contacts into voice data during which time you cannot make a call by saying the name. The amount of time to convert voice data may vary depending on the number of contacts downloaded.

	Command	Operation
●	Call	Displays downloaded contacts, after which you can make a call by saying the name.
●	Call <Name>	You can call a person by <Name> in the downloaded Contacts. e.g.) Call "John Smith"
●	Call <Name> on Mobile	You can call a person <Name> on the number that is saved as "Mobile" in the downloaded Contacts. e.g. Call "John Smith" on Mobile
●	Call <Name> in Office	You can call a person <Name> on the number that is saved as "Office" in the downloaded Contacts. e.g. Call "John Smith" in Office
●	Call <Name> at Home	You can call a person <Name> on the number that is saved as "Home" in the downloaded Contacts. e.g. Call "John Smith" at Home
●	Call <Name> on Other	You can call a person <Name> on the number that is saved as something other than "Mobile, Home or Office" in the downloaded Contacts. e.g. Call "John Smith" on Other
●	Dial Number	Displays a screen where you can say a phone number to call.
●	Dial <Phone #>	You can say the number you want to call. e.g. Dial 313
●	Redial	Dials the last number you called.
●	Call History	Displays your Call History, where you can say the list number to make a call.

Navigation Commands

* Check the following before you use navigation commands:
1. Search for and find addresses located in the country in which you are driving.
   If you want to search in another country, say the name of country and then look it up.
   Search Address is classified by country to provide you with faster search results.
2. Some commands, such as "Stop guidance", are available only when the destination has been fixed.

Command		Operation
●	Search address	Searches for the address and sets it as the destination. To search for an address, say "City → Street → House number" (in that order, excluding the country). e.g. London, Eresby Place, 32 (three two)
●	Nearest POI	Find the nearest points of interest to your current location. After this command, you can find the name of a location following the step-by-step instructions.
●	Nearest \<Category\>	For details of \<Category\>, see 5-17 : nearest \<Category\> list. e.g. Nearest "Parking"

Command		Operation
●	POIs near destination	Finds POIs near the destination. After this command, you can find the name of a location following the step-by-step instructions.
●	\<Category\> near destination	Finds something in the category "\<Category\>" near the destination. For details of \<Category\>, see 5-17: nearest \<Category\> list. e.g. "Parking" near destination
●	Map	Goes to the current position on the navigation map
●	Previous points	Displays a list combining Previous destinations and Previous starting points all together. You can then set a destination by saying the listed number.
●	Previous destinations	Displays a list of recent destinations that you can return to by saying the number on the list.
●	Previous starting points	Displays a list of recent starting points that you can return to by saying the number on the list.
●	Traffic Information	Goes to the Traffic Information menu screen.
●	Go Home	Set your home as the destination. Your home address must be set up in the Navigation System.
●	Go to Office	Set the destination to your office/place of work. Your office/place of work must be set up in the Navigation System.

	Command	Operation
●	Voice guidance on	Turns on the voice guidance system.
●	Voice guidance off	Turns off the voice guidance system.
●	Maximum zoom	Zooms out as much as possible on the navigation map.
●	Minimum zoom	Zooms in as much as possible on the navigation map.
●	Stop guidance	Stop the route to the fixed destination.
●	Resume guidance	Resume the route guidance to the fixed destination.
●	Remaining time and distance	Tells you the remaining distance and time to your destination.
●	Route options	Restarts the route to your destination. You can then select either "Fast"or "Short".
●	Find Fast route	Starts a new route to your destination that will take the least amount of time.
●	Find Short route	Starts a new route to your destination that will cover the shortest distance.
●	Route overview	Displays a map overview of the entire route to your destination.

Radio Commands

	Command	Operation
●	Radio	Plays the most recent radio channels from FM, AM and DAB.
●	FM	Plays FM radio.
●	<87.50~108.00> FM	Tunes to FM <Frequency> according to what you say. e.g. FM 87.50: FM eighty seven point five
●	AM	Plays AM radio.
●	<522~1620> AM	Tunes to AM <Frequency> according to what you say. e.g. AM 990: AM nine nine oh
●	DAB	Plays DAB radio.
●	DAB station	Displays a list of DAB stations and exits voice recognition
○	Preset <1~12>	Tunes to your preset stations if you are listening to FM or AM radio.
○	Preset <1~24>	Tunes to your preset stations if you are listening to DAB radio
○	Station list	Displays a list of DAB stations if you are listening to DAB radio.
●	Traffic announcement on	Turns on the traffic announcement broadcast
●	Traffic announcement off	Turns off the traffic announcement broadcast

Media Commands

* Check the following before you use media commands.

1. If no media is connected or if no playable files exist at the time you use these commands, a voice message will tell you that it is not available at present.
2. If you say the name of the media that is currently playing again, that media will continue playing.

   e.g. Saying "USB" while USB content is playing.

Command		Operation
●	Media	Continues the last media you played. This command includes videos.
●	Music	Continues the last music media you played. This command does not include videos and images.
●	Video	Plays a video file stored on the USB drive.
●	Image	Displays an image file stored on the USB.
●	CD	Plays the content of the CD currently inserted.
●	iPod	Plays the iPod currently connected. This will work in the same way when an iPhone is connected. If USB is connected, it will be played instead of the iPod.
●	USB	Plays the music on the USB device currently connected. If an iPod is connected, the iPod will be played instead of the USB.
●	Bluetooth Audio	Plays the music on the Bluetooth phone currently connected. This may not be supported, depending on the Bluetooth connection status.
●	AUX	Plays external devices that are currently connected.
●	My Music	Plays My Music files stored on the system.

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1. Audio CD command

Command	Operation
○ Play	Plays a paused track. Maintains the current settings during playback.
○ Pause	Pauses a track that is currently playing. Maintains current settings while paused during playback.
○ Track <1~99>	Plays the desired track number.
○ Shuffle	Plays tracks or files randomly. Maintains current settings during shuffled playback.
○ Shuffle off	Cancels shuffle and plays tracks sequentially. Maintains current settings during sequential playback.
○ Repeat	Plays the current track repeatedly. Maintains the current settings during repeat playback.
○ Repeat off	Cancels Repeat and plays multiple tracks or files. Maintains current settings during multiple track playback.

2. MP3 CD / USB Music / iPod / My Music command

Command	Operation
○ Play	Plays the selected file. Maintains the current settings during playback.
○ Pause	Pauses a file that is playing. Maintains current settings while paused during playback.
○ Shuffle	Plays tracks or files randomly. Maintains current settings during shuffled playback.
○ Shuffle off	Cancels shuffle and plays tracks sequentially. Maintains current settings during sequential playback.
○ Repeat	Plays the current track or file repeatedly. Maintains the current settings during repeat playback.
○ Repeat off	Cancels Repeat and plays multiple tracks or files. Maintains current settings during multiple track playback.

3. Bluetooth Audio / AUX / Video / Image command
 ㆍThere are two types of media command. Global commands are available at all times.
   e.g. "Bluetooth Audio", "AUX", "Video", "Image"
 ㆍLocal commands are available if the supported media mode is active
   e.g. "Play", "Pause", "Shuffle", "Shuffle off" , "Repeat", "Repeat off" are available in audio modes.

Other Commands List
(Commands used in List/Help)

	Command	Operation
●	Help	Goes to the voice recognition help screen. All available commands can then be identified and used.
○	Line 1~5 (One~Five)	When you cannot select a certain name, such as in Call History, you can select it using numbers. Simple numbers, such as "one" and "two", can be recognised.
○	Yes / No	When voice recognition is active, this command is used when an answer is requested for a confirmation question.
○	Previous Page / Next Page	When five or more searched items are listed, you can move to the previous or next page using a voice command.
○	Manual input	When Dial or Destination search results are displayed, this command is used to search manually rather than searching using a voice command. Voice recognition stops after this command is used.
○	Go Back	Goes to the previous screen.

"Nearest <Category>" List

Navigation location names may be changed after an update.

1. Emergency

Emergency
Hospital
Medical service
Pharmacy
Police station

2. Petrol station

Petrol station
Petrol station

3. Restaurant

Restaurant
Balkan restaurant
Bar or pub
Coffee shop
Chinese restaurant
Fast food
French restaurant
German restaurant
International restaurant
Italian restaurant
Japanese restaurant
Korean restaurant
Spanish restaurant
Steak house

4. Hotel or motel

Hotel or motel
Hotel or motel

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5. Transportation

Transportation
Airport
Bus station
Rent a car facility
Ferry terminal
Railway station

6. Travel

Travel
Frontier crossing
Rest area
Tourist office

7. Parking

Parking
Park and ride
Garage parking
Open parking area

8. Company and public places

Company and public places
Cemetery
City hall
Business facility
Community centre
Exhibition or conference centre
Industrial zone
Post office
School
University or college

9. Recreation and attractions

Recreation and attractions
Amusement park
City centre
Golf course
Historical monument
Ice skating ring
Marina
Museum
Recreation facility
Ski resort
Sports centre
Tourist attraction

10. Shopping

Shopping
Grocery store
Shopping centre
Winery

11. Banking

Banking
Banking

12. Entertainment

Entertainment
Bowling centre
Casino
Cinema
Theatre
Nightlife

13. Hyundai service

Hyundai service
Hyundai dealership

part.6 Other Features

Climate Mode
Camera

Other Features

Climate Mode

Operating Climate Mode

Press the CLIMATE key for the climate system to see status information in the full screen display.

When multimedia is in use, the climate system information will be displayed over the top when you control the temperature (TEMP) or turn on the air conditioning (A/C).

Basic Mode Screen

Name	Description
1 Set the temperature of the driver's seat and passenger seats	Displays the configured temperature settings for the driver's seat and the passenger seats. Cooling or heating will continue until the temperature matches the configured temperature settings. ⓘ The internal temperature can be controlled in increments of 0.5°C within a range of 15.5°C to 29.5°C. ⓘ LOW is displayed when the temperature is set to anything below 15.5°C and HIGH is displayed when it is set to anything above 29.5°C.
2 Air direction	Displays the configured air direction settings.
3 Air volume	Displays the configured air volume settings

4 Cooling/heating control status (AUTO)	Displayed when the AUTO key is pressed and cooling/heating operates automatically according to the configured temperature settings
	ⓘ AUTO will be turned off when you try to do the following with AUTO on:
	  - Control the air volume
	  - Control the air direction
	  - Turn the air conditioning (A/C) on/off
	  - Turn on the moisture removal function for the windscreen

5 Air conditioning control status	Displayed when the A/C key is pressed and the air conditioning starts cooling/heating.

Name	Description
7 Simultaneous temperature settings for the driver's seat and the passenger seats (DUAL)	Displayed when the DUAL key is pressed and the temperatures of the driver's seat and the passenger seats can be configured at the same time.

i Information

- For vehicles with the driver's seat on the right, the screen is shown as below.

Climate Setting Screen
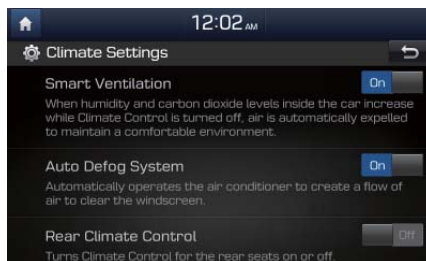
Camera

Rear Detection Camera

• This device is connected to a rear detection camera to see behind the car for safe reversing.
• When the engine starts, change gear to R to activate the rear detection camera.
• Change gear to another position to deactivate the rear detection camera.

ⓘ Information

• When the device boots up, change gear to R to activate the rear detection cameras.
• A separate chipset is used for the camera screen while booting up so it may be different after booting up.
• When booted up, blinking may occur when you switch to a UI screen.

Check surroundings for your safety.
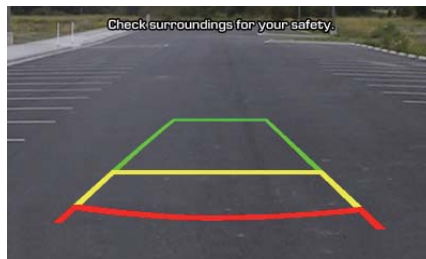
⚠ **CAUTION**

• A wide-angle lens is installed as the rear detection camera to get a wider view, so there may be some difference between the actual distance and the distance that appears on the screen. For safety, view the back, right and left sides of the car yourself.

MEMO

part.7 **Settings**

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Settings

Settings

The Settings screen is used to control the system settings of the AVN.
To enter the screen, press the ⚙️ key of the device or the Settings button in All Menus.

Features	Description
1 Navigation	Shows Normal/Screen/Guidance/Route/Safety settings.
2 Sound	Shows the sound control options for Position, Bass, Mid, Treble, Volume, Ratio and Advanced settings.
3 Display	Shows the Adjust/Mode settings.
4 Phone	Shows the Bluetooth connection/Auto-connection priority/Ringtone/Bluetooth System info settings.
5 Voice Recognition	Shows the Guidance and Priority settings.
6 Clock	Provides the Time and View settings.

Features	Description
7 DivX® VOD	Shows registration information.
8 AUX	Shows NTSC/PAL settings.
9 Language	Shows the Change Language settings.
10 Keyboard	Shows settings to switch keyboard layout.
11 Frame	Shows the Clock/Image/None settings.
12 System Info	Shows software and storage space information.
13 Display Off	Shows the Display Off (touch activation) function.

Sound Settings

Adjusts the sound effects for the whole system.

Features	Description
1 Position	Select the [Up/Down/Left/Right] button to control sound positioning. Press [Centre] to concentrate the sound in the centre of the vehicle.
2 Equaliser	Drag the slide bar to control bass/mid/treble settings. Press [Centre] to initialise the settings.

Features	Description
3 Vol. control	You can adjust the volume ratio between navigation announcements and regular audio.
4 Advanced	You can select additional audio options such as "Speed Dependent Volume Control" that automatically controls Audio volume according to vehicle speed as well as "Variable EQ", "Surround", "Quantum Logic Surround"
5 Beep	Select to activate a beep when pressing buttons.

ⓘ **Information**
- Advanced sound settings may differ according to selected AMP option.
- The seat shape may differ according to vehicle model.

Display Settings

Controls the display brightness and image rate for the whole system.

Features	Description
1 Adjust	Drag the slide bar to control the Brightness/Hue/Contrast/Saturation settings. Press [Centre] to initialise the settings.
2 Illumination	You can select Daylight/Night/Automatic options for the display brightness according to mode changes.

3 Ratio		Aspect ratio can be switched between Normal, Full and Wide. This option is available only when in video mode.
4 Display Off		Shows the Display Off (touch activation) function.

Phone Settings

Changes Bluetooth phone settings.

Phone settings
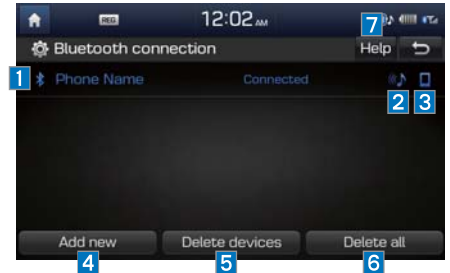
• Select the head unit ⚙ key ▶ Select Phone .

• Home screen ▶ Select All menus ▶ Select Settings ▶ Select Phone .

Bluetooth connection

Select the ⚙ key in the head unit ▶

Select Phone ▶ Select Bluetooth connection

Features	Description
1 Paired device list	Displays the paired Bluetooth device list. When selecting from the list, the device is connected or disconnected.
2 Bluetooth Audio connection status	An icon appears when you make a Bluetooth Audio connection.
3 Bluetooth Hands-free connection status	An icon appears when you make a Bluetooth Hands-free connection.
4 Add new	Register a new Bluetooth device.
5 Delete devices	Select and delete a paired device.
6 Delete all	Delete all paired devices.
7 Help	Switches to the Bluetooth Connection Help screen.

i **Information**

• Up to 5 Bluetooth devices can be paired.
• Only one Bluetooth device can be connected at a time.
• During Bluetooth device connection, another device cannot be paired.
• When you delete a paired device, the Call History and Contacts stored in the head unit are also completely deleted.
• Bluetooth Hands-free and Bluetooth Audio functions are supported.
• Hands-free and audio-supported devices, such as a Bluetooth smartphone or audio, will function normally.
• When a Bluetooth device is connected, if the Bluetooth connection is unexpectedly disconnected due to being out of communication range, the device powering off or a Bluetooth communication error, the Bluetooth device automatically searches for and connects to other nearby Bluetooth devices.
• If the system is not stable due to a vehicle Bluetooth device communication error, restore the Default Factory Settings.
• In Default Factory Settings, the Bluetooth settings are reset to factory settings
• Select the [⚙] key ▶ Select Phone ▶ Select Bluetooth system info ▶ Select Default factory settings

Auto connection priority

Select the [⚙] key on the head unit ▶ Select Phone ▶ Select Auto connection priority .

When the engine is running, the selected Bluetooth device is automatically connected. If you fail to connect the selected device, the previously connected device is automatically connected. If this also fails, it tries to connect all paired devices sequentially.
Depending on auto-connection priority, connection to a device may take some time.

Ringtone

Select the ⚙ key on the head unit ▶
Select Phone ▶ Select Ringtone .

Features	Description
1 Use mobile ringtone	The configured mobile ringtone comes out of the vehicle speakers when you receive a call. When a mobile doesn't support this, the basic ringtone of the vehicle will be used.
2 Use system ringtone	The system ringtone will be used.
3 Settings	Changes the ringtone.
4 Ringtone type	Selects a ringtone by name.
5 Preview	Previews the available ringtones.

Bluetooth system information

Select the ⚙ key on the head unit ▶
Select Phone ▶ Select Bluetooth system info .
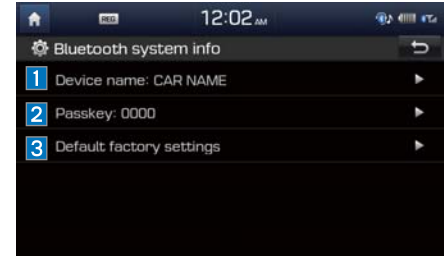
Features	Description
1 Device name	You can change the Bluetooth device name of the vehicle.
2 Passkey	You can change the pass-key used for Bluetooth device authentication. The default passkey is 0000.
3 Default factory settings	You can delete all paired devices and restore the default Bluetooth settings. In Default Factory Settings, all paired devices are deleted and the system is reset to factory settings.

Voice Recognition Settings

Configure settings to make a call with Voice Recognition Guidance and Voice Recognition.

Features	Description
Guidance	Select an option from Detailed guidance, Simple guidance or No guidance.

Clock Settings

Shows the time and date settings.
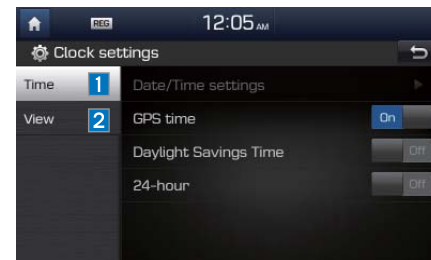
Features	Description
1 Time settings	Provides the GPS Time, Date/Time settings, Daylight Savings Time and 24-Hour options.
2 View settings	Shows options to select a digital or analogue clock widget for the screen saver or home screen, and to select the Display Date settings.

DivX® VOD

Refer to the registration code on the DivX® homepage when playing DivX® protected videos for the first time.

Register the product registration code shown on this page online to start using DivX videos.

AUX

Sets the AUX connection method according to the screen output mode.

Refer to the screen output methods of the external device to choose the AUX connection method (NTSC/PAL). The screen may not be displayed correctly if the external connection method is different.

Features	Description
1 NTSC	The standard television format in South Korea, USA and Japan.
2 PAL	The standard television format in Europe and China

Language

You can configure the displayed system language.

When the language is changed, the system language is automatically changed. Unique data including MP3 file name is not changed and some languages don't support voice recognition.

Keyboard Settings

You can configure the keyboard layout for each language.

You can configure ABCD or QWERTY keyboards for the system.

ⓘ **Information**
• Configured keyboard layouts are applied to all input modes.

Frame Settings

Configures a screen to be displayed when the system is powered off.

The options are Clock/Image/No image. For Image , you can set the saved image from a USB file using the Find Image button.

System Info

On the System Info screen, software version information, updates and storage status details are available.

Features	Description
1 SW info	System version information and update details are available. Select the Update button to update the system. After an update is complete, the system will reboot automatically.
2 Storage space	Displays the memory space available for media files and applications.

System Update

On the System Info screen, insert the updated memory (USB or SD card) with the latest file downloaded, then select the Update button to begin updating. The system will then reboot automatically.

ⓘ **Information** ─────────────

• This product needs supplementary software updates, additional new functions and updated maps, which collectively may take some time to complete, depending on the amount of data.

⚠ **CAUTION** ─────────────

• If the power is disconnected or the USB device or SD card is removed during an update, data might be damaged. Please wait until the update is complete with the engine on.

part.8 Appendix

Product Specifications
Common Issues
Troubleshooting
FAQ

08

Appendix

Product Specifications

TFT-LCD

Screen Size	Navigation Device - 7 " (166.6 x 105.8mm)
Resolution	Navigation Device - 384,000 pixels (Resolution: 800 x 480)
Operating Method	TFT (Thin Film Transistor) Active Matrix
Viewing Angle	Left/Right, Top/Bottom: ALL 89˚
Internal Lighting	LED

Radio

Channels	FM	87.50MHz~108.00MHz (Step : 50kHz)
	AM	522kHz~1620kHz (Step : 9kHz)
Sensitivity		FM: Under 10dBu/AM: Under 40dBu
Distortion Factor		Within 2%

Common

Name	Car TFT LCD Display Navigation Unit		
Power Supply	DC 14.4V	Operating Power	DC 9V ~ DC 16V
Current Consumption	2.5A	Sleep Current	0.5mA (Head Unit only)
Operating Temperature	-20 ~ +70℃ (-4 ~ +158℉)	Storage Temperature	-40 ~ +85℃ (-40 ~ +185℉)
Dimensions	187 X 102 X167.5mm (Main BOX)		
Weight	2.4kg		

Bluetooth® Wireless Technology

Frequency Range	2402 ~ 2480 MHz	Supported Bluetooth® Specifications	3.0
Supported Profile	Hands-free(1.6), A2DP(1.2), AVRCP(1.4), PBAP(1.0)		
Output	0.125mW		
Number of Channels	79 channels		

⚠ CAUTION

• The manufacturer and installer cannot provide services relating to life safety as the radio equipment is liable to radio interference.

ⓘ Information

• Further information including the manufacturer's declaration of conformity is available on HYUNDAI web site as follows; http://service.hyundai-motor.com

Common Issues

1. Errors which occur during the operation or installation of the device may be mistaken as a device malfunction.
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	• Because the LCD is manufactured with technology requiring high point density, a pixel or lighting deficiency may occur within 0.01% of total pixels
The sound or image is not working	• Has the Switch been turned to [ACC] or [ON]? • Has the SYSTEM been turned OFF?
The screen is being displayed but sound is not working	• Has the volume been set to a low level? • Has the volume been muted?
When the power is turned on, the corners of the screen are dark	• It is normal with LCD panels for the display to appear somewhat dark after prolonged periods of use. It is not a malfunction • If the screen is very dark, contact your nearest HYUNDAI dealer for assistance
Sound is only coming from one speaker	• Are the positions of Fader or Balance sound controls adjusted to only one side?

Problem	Possible Cause
Sound does not work in AUX mode	• Are the audio connector jacks fully inserted into the AUX terminal?
The external device is not working	• Is the external device connected with a standard connector cable?
When turning the power on, the most recent mode screen is not displayed	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

Troubleshooting

Problem	Possible Cause	Solution
The power does not turn on	The fuse is disconnected	• Replace with a suitable fuse • If the fuse disconnects again, please contact your point of purchase or service centre
	Device is not properly connected	• Check that the device has been properly connected
The system does not play	The vehicle battery is low	• Charge the battery. If the problem persists, contact your point of purchase or service centre

Problem	Possible Cause	Solution
The image colour/tone quality is low	• The brightness, saturation, hue and contrast levels are not set properly	• Adjust the brightness, saturation, hue and contrast levels in Display Setup
Sound is not working	• The volume level is set to the lowest level • The connection is not correct • The device is currently fast-forwarding, rewinding, scanning or playing in slow motion	• Adjust the volume level • Check that the device has been properly connected • The sound will not work when the device is fast-forwarding, rewinding, scanning or playing in slow motion
The sound or image quality is low	• Vibration is coming from where the conversion switch has been installed • Image colour/tone quality is low	• The sound may be short-circuited and the image distorted if the device vibrates • The device will return to normal once vibration stops

Problem	Possible Cause	Solution
USB does not work	• USB memory is damaged • USB memory has been contaminated • A separately purchased USB HUB is being used • A USB extension cable is being used • A USB which is not a Metal Cover Type USB Memory is being used • HDD type, CF, SD Memory is being used • There are no music files which can be played	• Please use after formatting the USB to FAT 12/16/32 format • Remove any foreign substances on the contact surface of the USB memory and multimedia terminal • Directly connect the USB memory with the multimedia terminal on the vehicle • Directly connect the USB memory with the multimedia terminal on the vehicle • Use standard USB memory • Use standard USB memory • Only MP3, WMA file formats are supported. Please use only the supported music file formats
The iPod is not recognised even though it has been connected	• There are no titles that can be played • The iPod firmware version has not been properly updated • The iPod device does not recognise downloads	• Use iTunes to download and save MP3 files onto the iPod • Use iTunes to update the firmware version and reconnect the iPod to the device • Reset the iPod and reconnect to the device

ⓘ **Information**

• While operating the device, if an abnormality occurs that cannot be corrected using the above described measures, press the RESET key to reset the system.
• Press and hold the RESET key (for more than 1 second). The device power will turn off and the system will reset.

FAQ

Pairing Mobile Phones

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

A Check that the mobile phone supports Bluetooth® function. Check whether Bluetooth on the mobile phone is set to OFF. If so, set it to ON. If the mobile phone still can't be paired, try again after turning Bluetooth off and on, or delete the device registration on the AVN and mobile phone and then register the mobile phone again.

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

A Pairing takes place after authentication of 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® Hands-free features, such as making/answering calls or managing contacts, are supported only on mobile phones connected to the head unit.

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. You can change it in

⚙ ▶ Phone ▶ Bluetooth system info ▶ Passkey using the menu options.

Appendix I 8-7

Making/Answering Phone Calls

Q How can I answer a call?

A When there is an incoming call, a notification pop-up will be 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 Hands-free but want to switch the call to my mobile phone?

A While on a call, press and hold (more than 0.8 seconds) the key on the steering remote controller or press the `Use private` button at the bottom of the Phone screen to switch the call to your mobile phone.

Bluetooth® Wireless Technology/Head Unit Use

Q What is the range of my wireless connection?

A The wireless connection can be used within 10m.

Q How many mobile phones can be paired?

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

Q Why is call quality sometimes poor?

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

Important Safety Information

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

Keep User Guide in Vehicle

When kept in the vehicle, the User Guide will be a handy reference for you and other users unfamiliar with the Multimedia System. Please ensure that, before using the system for the first time, all users have access to the User Guide and read the instructions and safety information carefully.

Warning:

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

General Operation

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Voice Command Control

Some functions within the Multimedia System may be accomplished using only voice commands. Using voice commands while driving allows you to operate the system without removing your hands from the wheel.

Prolonged Viewing of Screen

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

Volume Settings

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

Navigation Features

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

Distraction Hazards

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

Let Your Judgement Prevail

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

Route Safety

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

Potential Map Inaccuracy

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

Emergency Services

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

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

MEMO

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MEMO