

DIS Navigation System / Owner's Manual



Thank you for purchasing this DIS Navigation system.

This user's manual explains how to use the HYUNDAI Motor DIS Navigation system.

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

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



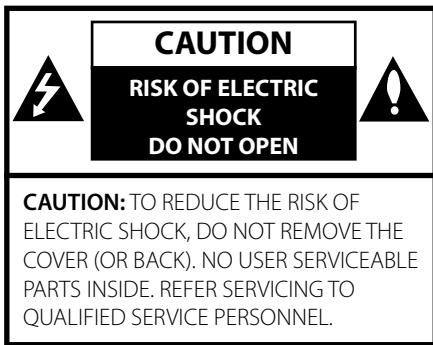
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Precautions for safety

Safety notes



The lightning flash with the arrowhead symbol within an equilateral triangle is intended to alert the user about the presence of uninsulated dangerous voltage within the product's enclosure that may be of sufficient magnitude to constitute a risk of electric shock.



The exclamation point within an equilateral triangle is intended to alert the user to the presence of important operating and maintenance (servicing) instructions in the literature accompanying the appliance.



Always operate the vehicle in a safe manner. Do not become distracted by the vehicle while driving and always be fully aware of all driving conditions. Do not change settings or any functions.

Pull over in a safe and legal manner before attempting such operations.

To promote safety, certain functions are disabled unless the hand brake is on.



When driving your vehicle, be sure to keep the volume of the unit low enough to allow you to hear sounds coming from the outside.



Do not drop it and avoid heavy impacts at anytime.



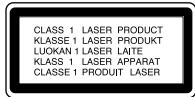
The driver should not watch the monitor while driving. If the driver watches the monitor while driving, it may lead to carelessness and cause an accident.



To reduce the risk of fire or electric shock, do not expose this product to dripping or splashing water, rain, or moisture.

Precautions for safety

CAUTION:



This product uses a Laser System.

To ensure proper use of this product, please read this owner's manual carefully and retain it for future reference. Unauthorized service centre. Performing controls, adjustments, or carrying out procedures other than those specified herein may result in hazardous radiation exposure.

To prevent direct exposure to laser beam, do not try to open the enclosure.
Visible laser radiation when open. DO NOT STARE INTO BEAM.

WARNING:

- Don't use a cellular phone when you are driving. You must stop at a safe place to use a cellular phone.
- The use of the navigation radio by no means relieves the driver of his/her responsibilities. The highway code must always be observed. Always observe the current traffic situation.
- The applicable traffic regulations and the prevailing traffic situation always take precedence over the instructions issued by the navigation system if they contradict one another.
- For traffic safety reasons, use the navigation system menus only before starting a journey or when the vehicle is stationary.
- In certain areas, one-way streets and turn off and entry prohibitions (e.g. pedestrian zones) are not recorded. In areas such as these the navigation system will issue a warning. Pay particular attention to one-way streets and turn off and entry restrictions.
- The navigation system does not take the relative safety of the suggested routes into consideration. Road blocks, building sites, height or weight restrictions, traffic or weather conditions or other influences which affect the route safety or travel time are not taken into consideration for the suggested routes. Use your own discretion in order to decide on the suitability of the suggested routes.
- The current legal road traffic speed limit always takes priority over the values saved on the data. It is impossible to provide an assurance that the speed values of the navigation system will always match those of the current traffic regulations in every situation.
- Always observe the applicable legal speed limits the traffic regulations. The vehicle speedometer must always be given priority for display of the vehicle speed.
- Do not rely exclusively on the navigation system when attempting to locate an emergency service (hospital, fire service etc.). It cannot be guaranteed that all available emergency services in your vicinity are saved in the database. Use your own discretion and abilities to secure help in such situations.

Precautions for safety

CAUTION:

- Do not keep the navigation system running with the engine stopped. Doing so may discharge the vehicle battery. When you use the navigation system, always keep the engine running.
- When the driver wants to operate the navigation system, first park the vehicle in a safe location and set the parking brake. Operating the system while driving can distract the driver and may result in a serious accident.
- Do not disassemble or modify this system. If you do, it may result in accidents, fire, or electrical shock.
- Some states/provinces may have laws limiting the use of video screens while driving. Use the system only where it is legal to do so.
- Do not use your phone in private mode when you are driving. You must stop at a safe location to use it.

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General information

About Disc

Precautions upon Handling Discs

- After using a disc, put the disc back in its original case to prevent disc scratches.
- Do not use abnormally shaped discs (8cm, heart-shaped, octagon-shaped) as such discs could lead to malfunctions.
- Do not clean discs with chemical solutions, such as record sprays, antistatic sprays, antistatic liquids, benzene, or thinners.
- Do not expose the disc to direct sunlight or high temperatures for prolonged periods of time. Such exposure may lead to disc deformation.
- Upon playing a disc contaminated by dirt or other substances, the sound quality may deteriorate and result in skipping sounds. Writing on either side of the disc could result in damage to disc surfaces.
- Clean fingerprints and dust off the disc surface (coated side) with a soft cloth.
- Copy-protected CDs, such as S-type CDs, may not properly operate in the device. DATA CDs cannot be played. (However, such discs may still abnormally operate.)

- Do not disassemble the device. Contact a designated service centre in case of malfunction. (Complete after service assistance will not be provided if the user disassembles the device.)
- Do not use water to clean the device. Exposure to water could lead to product malfunction.
- Do not introduce foreign substances into the disc insert/eject slot. Introducing foreign substances could damage the device interior.
- The device may fail to properly operate in extremely hot or cold temperatures.
- Steam can become condensed on the fiber-optic lens due to rain, wet conditions, or upon operating the heating system. In such cases, discs may not be properly recognized. Remove the disc and wait until the moisture dries.
- Skipping may occur when driving on bumpy roads for prolonged periods of time or upon severe shock, audio may not play properly.
- Do not attach sticker or label on the disc. Sticker or label may fall off and damage the system.
- Do not insert two or more discs into the disc slot simultaneously. It may damage the disc player.
- While disc is being inserted to the disc player by its self-loading mechanism, do not hold the disc or forcefully pull the disc. It may damage the disc player and the disc.
- Non-genuine discs may cause defective recognition or product disorder.

Types of Playable Discs



DVD-VIDEO (12 cm disc)



Video CD (12 cm disc)



Audio CD (12 cm disc)



CD-R/RW



In addition, this unit can play a DVD±R, DVD±RW, CD-R or CD-RW that contains audio titles, MP3 or WMA files.

Depending on the conditions of the recording equipment or the CD-R/RW (or DVD-RW, DVD+RW) disc itself, some CD-R/RW (or DVD-RW, DVD+RW) discs may not be played on the unit.

General information

NOTES ON COPYRIGHTS

It is forbidden by law to copy, broadcast, show, broadcast via cable, play in public, or rent copyrighted material without permission.

This product features the copy protection function developed by Macrovision. Copy protection signals are recorded on some discs. When playing the pictures of these discs on a unit, picture noise will appear. This product incorporates copyright protection technology that is protected by method claims of certain U.S. patents and other intellectual property rights owned by Macrovision Corporation and other rights owners. Use of this copyright protection technology must be authorized by Macrovision Corporation, and is intended for home and other limited viewing uses only unless otherwise authorized by Macrovision Corporation. Reverse engineering or disassembly is prohibited.

DVD Region Code

This instrument is manufactured according to the region code number recorded in the DVD. If the DVD region code number does not match the region number of this instrument, DVD may not be played. Use the DVD corresponding to your region.

PBC: Playback Control (Video CD only)

Playback control is available for Video CD (VCD version 2.0 disc formats). PBC allows you to interact with the system via menus, search functions, or other typical computer-like operations. Moreover, still pictures of high resolution can be played if they are included in the disc. Video CDs not equipped with PBC (Version 1.1) operate in the same way as audio CDs.

If “” symbol appears

If “” symbol is displayed on the screen, the current screen will not be operated during the driving.

About USB

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 files will not be played.
- For MP3/WMA files, only music files with compression rates between 8 Kbps ~ 320 Kbps can be played.
- Heed caution to static electricity when connecting/disconnecting external USB devices.
- Encoded MP3 Players will not be recognized when connected as an external device.
- When connecting an external USB device, the device may not properly recognize the USB is in some states.
- Only USB devices formatted as FAT 12/16/32 are supported, and NTFS file system is not supported.
- Some USB devices may not be supported due to compatibility issues.
- Avoid contact between the USB connector with bodily parts/foreign objects.

General information

- Repeated connecting/disconnecting of USB devices within short periods of time may result in product malfunction.
- Insert USB device after starting the car. If the car is started while USB device is inserted, it may damage USB device.
- The amount of time required to recognize the external USB device may differ depending on the type, size, or file formats stored on the USB. Such differences in required time are not indications of malfunction.
- The device may not recognize the USB device if separately purchased USB hubs and extension cables are being used. Connect the USB directly with the multimedia terminal of the vehicle.
- When application programs are installed to specific USBs, files may not properly play.
- The device may not operate normally if MP3 Players, cellular phones, digital cameras, or other electronic devices (USB devices not recognized as portable disk drives) are connected with the device.
- Charging through the USB may not work for some mobile devices.
- The device may not support normal operation when using a USB memory type besides Metal Cover Type USB Memory.
- The device may not support normal operation when using formats such as HDD Type, CF, or SD Memory.
- The device will not support files locked by DRM (Digital Rights Management).
- USB memory sticks used by connecting an Adaptor (SD Type or CF Type) may not be properly recognized.

MP3 file Information

- Sampling frequency: 8 ~ 48 KHz (MP3), 22.5 ~ 48 KHz (WMA)
- Bit rate: 8 ~ 320 Kbps (MP3), 20 ~ 320 Kbps (WMA)
- Version: v2, v7, v8, v9
- Playable file format: ".mp3" / ".wma"

Image file Information

- Playable file format: ".bmp", ".jpg", ".gif", ".png", ".tif" (Max 5MB)
- It may not properly operate depending on the storage type.

Video file Information

- Video Resolution: 720 x 576 pixels (DivX), 1280 x 720 pixels (except DivX).
- Playable file format: ".avi", ".mpg", ".mpeg", ".divx", ".mp4"
- Subtitle format: ".smi"
- Video Codec: "DIVX3.xx", "DIVX4.xx", "DIVX5.xx", "MP4V3", "3IVX".
- Audio Codec: "PCM", "MP3", "WMA", "WAV".
- If video and caption file names are different, caption may not be displayed.
- If DivX file format does not match main unit, it may not be played properly.

General information

Using iPod Devices

Precautions upon using iPod

iPod® is a registered trademark of Apple Inc.

- Some iPods with unsupported communication protocols may not properly operate with the 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.)
- During ACC ON state, connecting the iPod through the iPod cable (The cable that is supplied when purchasing iPod/iPhone product.) will charge the iPod through the system.
- The use of genuine iPod cables supplied by Apple is recommended. (The use of other products may result in noise or abnormal operation.)
- Within iPhones, streaming audio and iPod control may occasionally conflict. If problems persist, remove the iPhone and connect again.
- Use iPod with complete synchronization to iTunes. Unauthorized song addition may cause abnormal operation.
- If iPod and Bluetooth are connected simultaneously with the same iPhone, you cannot use Bluetooth audio function.
- If iPod touch or iPhone is used, iOS4.2 or more is recommended.

Supported iPod devices

iPhone5
iPhone4S
iPhone4
iPhone3GS
iPod touch (1st through~ 5th generation)
iPod Nano
iPod Classic

Cautions upon using SD Cards

Ejecting and Inserting SD Cards

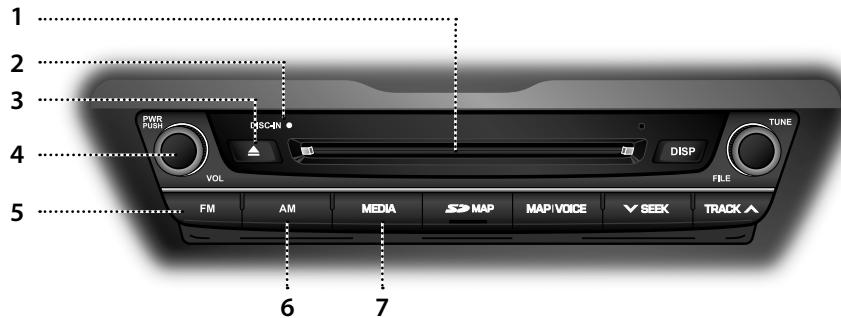
- Ejecting and inserting SD cards while the system is operating may result in SD Card or System errors. To eject or insert the SD card, first turn off the system and the vehicle ignition.
- Eject/insert SD cards only to update the map with a new version.
- When an SD Card with the new version is inserted,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

Usage of SD Cards

- The SD Card is formatted to include only Map and new Navi S/W.
- The SD Card cannot be used to save and play Music.
- Do not add, delete, or format files within the SD Card.

Name of each component

Head unit



1. Disc slot

Insert a disc into the disc slot.

2. DISC IN indicator light (DISC-IN)

When a disc is inserted, the indicator is illuminated.

3. Disc eject (▲) button

Press to insert or eject disc

4. • PWR PUSH button

- Power on

Press this button in power OFF status.

- Power off

Press and hold this button in power ON status.

• Volume control knob (VOL)

Turn left/right to control volume.

• Audio on/off button

Press this button to turn audio on or off in power on status.

5. FM button

Selects the FM1/FM2 band.

6. AM button

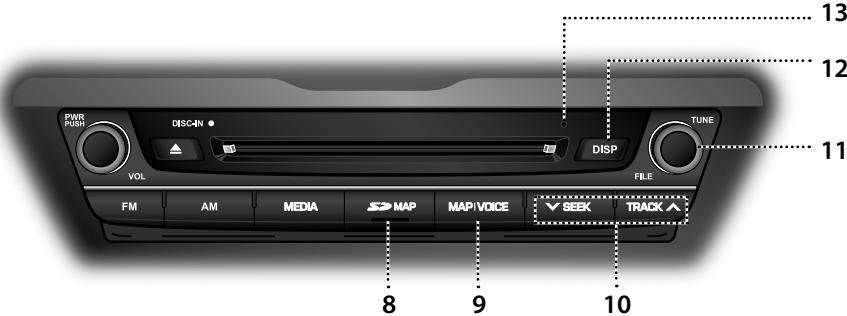
Selects the AM band.

7. MEDIA button

Press this button to move to the [Media] menu in media playing screen.

Press this button again to display the media playing screen.

Name of each component



8. Cover for protecting SD card (SD card insert slot)

Insert the SD card into the slot.

9. MAP/VOICE button

- Press to display the map screen of the current location when in a different mode.
- Press to repeat the voice guidance on the map screen.

10. VSEEK/TRACK \wedge button

- When it is pressed shortly (less than 0.8 sec.)
- FM/AM mode: plays previous/next station.

- In MEDIA modes: changes the track, file, or chapter.

- When it is pressed and held (0.8 sec. or longer)
 - FM/AM mode: changes continuously the station until the button is released
 - In MEDIA modes: rewinds or fast forwards the track, file, or chapter.

11. TUNE/FILE button

- FM/AM mode: Turn to change the station.
- CD/DVD/VCD/Jukebox/USB/iPod mode: Turn to search for the desired track, file or chapter.

12. DISP button

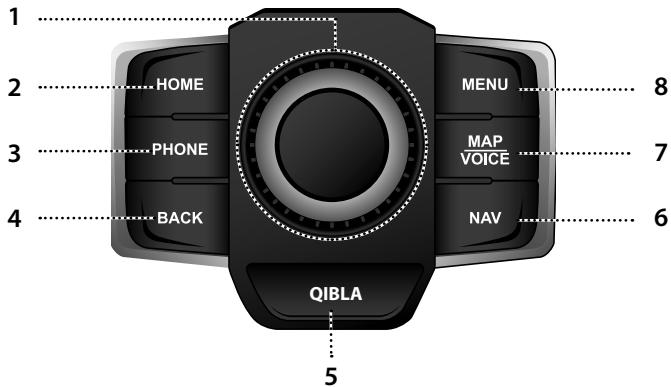
Press to turn the screen on or off.

13. RESET hole

Press with thin object to reset the unit when it does not operate normally.

Name of each component

Remote control for head unit



1. Controller

Moves or selects a menu through joystick way. For details, refer to the "Using the controller" on the page 22.

4. BACK button

Press to move to the previous screen.

7. MAP VOICE button

- Press to display the map screen of the current location when in a different mode.
- Press to repeat the voice guidance on the map screen.

2. HOME button

Press to move to the [HOME] menu screen.

5. QIBLA button

Press to move to QIBLA mode.

8. MENU button

Press to move to the pop-up menu in each mode.

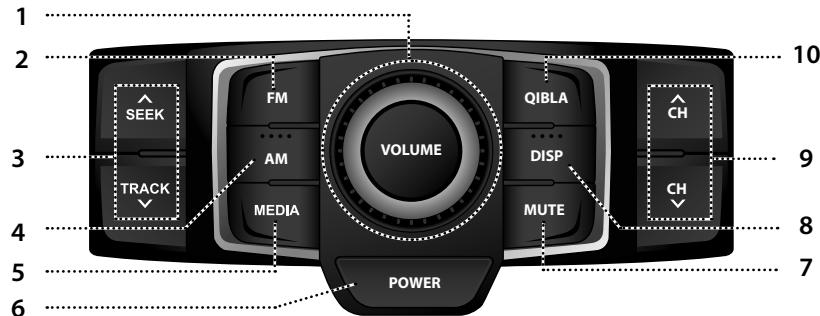
3. PHONE button

Press to operate Bluetooth Hands-Free function.

Name of each component

Remote control for rear seat (Option) -Type A

The remote control for rear seat is an option for the customers who selected the option.



1. VOLUME button

Rotate to control volume.

- FM/AM mode: changes continuously the station until the button is released

- In MEDIA modes: rewinds or fast forwards the track, file, or chapter.

2. FM button

Selects the FM band.

3. ▲SEEK/TRACK▼ button

- When it is pressed shortly (less than 0.8 sec.)
 - FM/AM mode: plays previous/next station.
 - In MEDIA modes: changes the track, file, or chapter.
- When it is pressed and held (0.8 sec. or longer)

4. AM button

Selects the AM band.

5. MEDIA button

Press this button to toggle the connected media source.

6. POWER button

Press this button to turn AV on or off in power on status.

7. MUTE button

Press to mute the sound.

8. DISP button

Press to turn the screen on or off.

9. ▲CH/CH▼ button

Selects the radio presets.

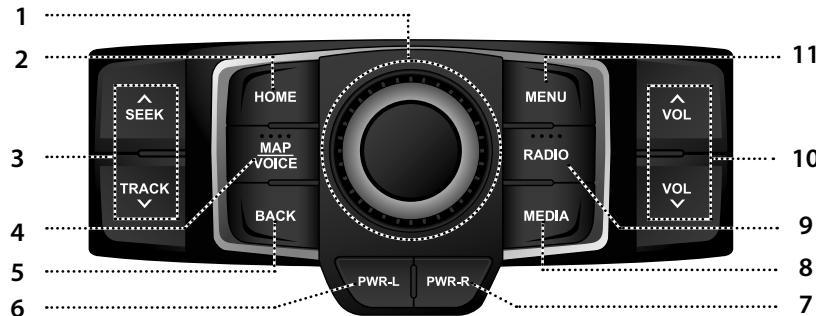
10. QIBLA button

Press to move to QIBLA mode.

Name of each component

Remote control for rear seat (Option) -Type B

The remote control for rear seat is an option for the customers who selected the option.



1. Controller

Moves or selects a menu through joystick way. For details, refer to the "Using the controller" on the page 22.

- When it is pressed and held (0.8 sec. or longer)

- FM/AM mode: changes continuously the station until the button is released
- In MEDIA modes: rewinds or fast forwards the track, file, or chapter.

2. HOME button

Press to move to the [HOME] menu screen.

3. \wedge SEEK/TRACK \vee button

- When it is pressed shortly (less than 0.8 sec.)
 - FM/AM mode: plays previous/next station.
 - In MEDIA modes: changes the track, file, or chapter.

4. MAP VOICE button

- Press to display the map screen of the current location when in a different mode.
- Press to repeat the voice guidance on the map screen.

5. BACK button

Press to move to the previous screen.

6. PWR-L button

Turns the left monitor for rear seat on/off.

7. PWR-R button

Turns the right monitor for rear seat on/off.

8. MEDIA button

Press this button to move to the [Media] menu in media playing screen.

Press this button again to display the media playing screen.

9. RADIO button

Selects the FM1/FM2/AM band.

10. \wedge VOL \vee button

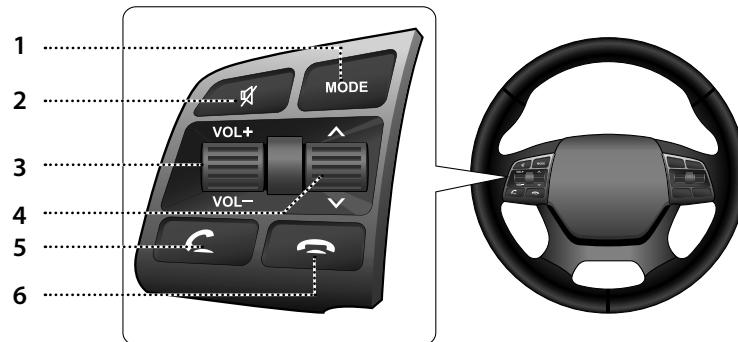
Press to control volume.

11. MENU button

Press to move to the pop-up menu in each mode.

Name of each component

Steering wheel remote control



1. MODE button

- Each time this button is pressed, the mode is changed.
- If the media is not connected or a disc is not inserted, corresponding modes will be disabled.
- Press and hold the button (over 0.8 seconds) to turn the AV on/off.
- When power is off, press the button to turn power back on.

2. button

Press to mute the sound.

3. Volume (VOL+/VOL-) button

Increases or decreases the volume level.

4. Seek up/down (Δ/▽) button

- When it is pressed shortly (less than 0.8 sec.)
 - FM/AM mode: plays previous/next station.
 - In MEDIA modes: changes the track, file, or chapter.
- When it is pressed and held (0.8 sec. or longer)
 - FM/AM mode: changes continuously the station until the button is released
 - In MEDIA modes: rewinds or fast forwards the track, file, or chapter.

5. button

Press to operate Bluetooth Hands-Free function.

- Press to accept a call.
- Press to make a call from last calls.
- Press and hold for redialing.

6. button

Press to hang up a call.

Basic operation

Starting the system for the first time

1. Press the engine start button or set the ignition key to On or ACC.

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



2. Press [Agree].

If you want to change the system language, press [Language]. For details, refer to the "Language" on the page 94.



Note

- You cannot operate the system while it is booting up. It may take some time for all of features of the system.
- The safety warning page is displayed every time the ignition is turned on. The displayed warnings are related to safety, please closely read and comply with the safety warnings.

Turning the system off

Press and hold "PWR PUSH" on the head unit. To turn the system on again, press "PWR PUSH" on the head unit.



Note

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

AV OFF

Press "PWR PUSH" on the head unit when the AV is on.

AV ON

Press "PWR PUSH" on the head unit when the AV is OFF.

Adjusting the volume

Rotate the volume control knob (VOL) on the head unit.



Note

When you turn the unit off, the current volume level is automatically memorized. Whenever you turn the system on, it operates at the memorized volume level.

Basic operation

Resetting the System

This feature is used to reset the system in the occurrence of an unforeseen error or problem. Press "RESET" button. (The use of a clip or pin is recommended when resetting the system.)



Using the controller

This feature is used to move or select a menu through joystick way.

Controller	Description
	Move in the menu by turning the controller left/right.
	Push the controller up/down/left/right/diagonally to move in the menu.
	Press the controller to select menu.

Using the Touch screen

Press the desired menu on the screen to select a menu.



QIBLA

The Qibla compass is a feature that displays the direction that should be faced when a Muslim prays during salah. The direction is pointed towards the city of Mecca and specifically to the Ka'abah.

Press [QIBLA] on the remote control for head unit to display the following screen.



Radio operation

Listening to FM/AM radio

1. Press "FM" or "AM" on the head unit. Or press [HOME] > [FM/AM].
2. Press [FM1], [FM2] or [AM] on the screen.
The FM1/FM2/AM screen of the most recent listened station is displayed.



3. **Auto tuning:**
Press "VSEEK/TRACKΛ" on the head unit.
 - When a station is received, searching stops.

Manual tuning:

- Turn "TUNE/FILE" on the head unit in clockwise or counter-clockwise direction.
 - The stations move up and down step by step.

Preset tuning:

From the 12 presets, select the station you want to listen to.



Autostore

A total of 36 stations with twelve preset stations each for FM1/FM2/AM modes can be saved.

1. Press [MENU] on the screen.
2. Press [MENU] > [Autostore] to save automatically receivable stations to Preset list.



Note

While Autostore is operating, pressing [Autostore] again will cancel the function and play the previous station.

Radio operation

Saving FM/AM preset

12 preset stations each for FM1/AM modes can be saved manually.

1. Select the band (FM1, FM2, AM) you want to store a station into.
2. Select the desired station.
3. Press [MENU] > [Save as Preset].
4. Press the desired preset number.



The station is saved.

Note

When the station is saved on a number of which another station has already been saved, the previously saved station is erased.

Reordering FM/AM preset

This function reorders the station saved to presets.

1. Select the band (FM1, FM2, AM) you want.
2. Press [MENU] > [Reorder Presets].
3. Press the desired preset from the list.



4. Move and press the selected preset up and down. Or Drag it to the desired position.



Scanning FM/AM broadcast station

Scanning all station

This function scans all stations and plays only stations with superior reception for 5 seconds each.

1. Select the band (FM1, FM2, AM) you want.
2. Press [MENU] > [Scan All Channels].



Note

When the scan is operating, pressing the controller will stop the function and return to the stopped station.

Radio operation

Scanning preset stations

This function scans the 12 stations saved as preset numbers in the current band for 5 seconds each.

1. Select the band (FM1, FM2, AM) you want.
2. Press [MENU] > [Preset Scan].



Note

When the scan is operating, pressing the controller will stop the function and return to the stopped station.

Sound Settings

1. Press [MENU] > [Sound Settings] in the radio screen.
2. For details, refer to the "Sound" on the page 86.

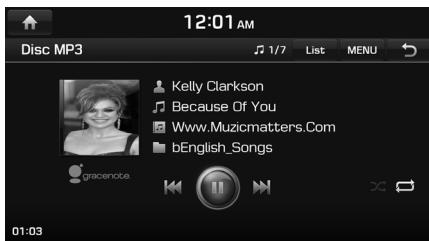
Audio CD/ MP3 CD Operation

Playing an Audio CD/ MP3 CD

Insert a disc into the disc slot and playback will start automatically.



Audio CD



MP3 CD

Note

If you want to play the Audio CD or MP3 CD when playing other source with the Audio CD or MP3 CD inserted, press [HOME] > [Media] > [Disc CD] or [Disc MP3].

Pause

Press [II] or controller during playback.

Press [▶] or controller to play it again.

Skip

You can play the previous or next track/file.

Position	Description
Screen	<ul style="list-style-type: none">Press [$\blacktriangleleft/\triangleright$].Pressing [$\blacktriangleleft$] after 3 seconds of playback time plays the current track/file from the beginning.
Head unit	<ul style="list-style-type: none">Press "VSEEK/TRACKΛ".Pressing [VSEEK] after 3 seconds of playback time plays the current track/file from the beginning.
Controller	<ul style="list-style-type: none">Push the controller to the left or right.Push the controller to the left after 3 seconds of playback time plays the current track/file from the beginning.

Search

You can search for the previous or next track/file quickly.

Position	Description
Screen	Press and hold [$\blacktriangleleft/\triangleright$] and then release at the point you want.
Head unit	Press and hold "VSEEK/TRACKΛ" and then release at the point you want.
Controller	Push and hold the controller to the left or right and then release at the point you want.

Audio CD/ MP3 CD Operation

Seek

You can play the track/file directly by searching for the desired music.

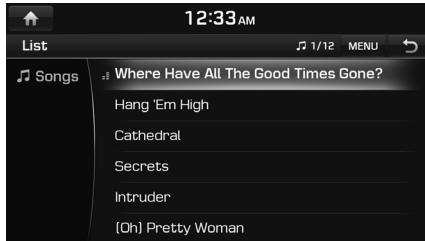
Position	Description
Head unit	Turn "TUNE/FILE" to search a desired track/file. If the desired track/file is displayed, press the "TUNE/FILE" to play the track/file.
Controller	Turn the controller to search a desired track/file. If the desired track/file is displayed, press the controller to play the track/file.

List

You can play the desired track/file by searching for track/file list included in the disc.

1. Press [List].

Or press [MENU] > [List].



For example: Audio CD

2. Press the desired track/file.

Press [MENU] > [Now Playing] to move to the current playing screen.

Shuffle

All tracks/files are played randomly.

1. Press [MENU] > [Shuffle].



For example: Audio CD

2. Press [On] or [Off].



Note

You can set or cancel the Shuffle function by pressing [DISC] on the playing screen.

Audio CD/ MP3 CD Operation

Repeat

The current playing track/file or folder is played repeatedly.

1. Press [MENU] > [Repeat].



For example: MP3 CD

2. Press the desired item.
 - [Repeat All]: Plays repeatedly all tracks/files.
 - [Repeat Folder]: Plays repeatedly all files within the current folder. (MP3 CD only)
 - [Repeat One]: Plays repeatedly the current track/file.



Note

You can set or cancel the Repeat function by pressing [/ /] on the playing screen.

: Repeat All, : Repeat Folder,

: Repeat One

Scan

This function scans the beginning parts of each tracks/files for 10 seconds.

1. Press [MENU] > [Scan].

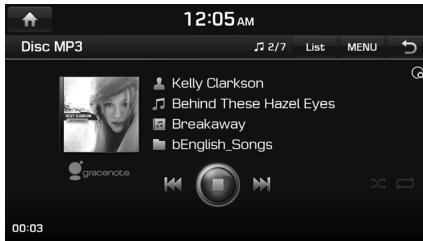


For example: MP3 CD

2. Press the desired item.

CD	Menu	Description
Audio CD	-	scans the beginning parts of each tracks for 10 seconds.
MP3 CD	All	scans the beginning parts of each files for 10 seconds.
	Folder	scans the beginning parts of all files within the current folder for 10 seconds.

3. Press [] to cancel the Scan function.



Sound Settings

1. Press [MENU] > [Sound Settings].
2. For details, refer to the "Sound" on the page 86.

DVD/VCD Operation

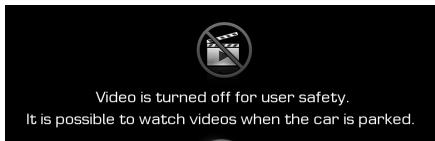
Playing a DVD/VCD

Insert a disc into the disc slot, with the label facing up.

Playback will start automatically. In some cases, the disc menu might appear.

Note

- If you want to play the DVD or VCD when playing other source with the DVD or VCD inserted, press [HOME] > [Media] > [DVD] or [VCD].
- If a menu screen is displayed, select the desired menu by using the menu buttons.
- Video is not available while driving.
(Based on the traffic regulation, Video is only available whenever vehicle is in stop condition with parking gear.)



Switching to Menu display or Full display

Position	Description
Screen	Press the screen.
Controller	Push the controller to the up or down on full display mode.

Note

- If there is no operation for 5 seconds on menu display mode, it switches to full display mode.
- If you press [MENU] > [Full display] on menu display mode, it switches to full display mode.

Pause

Press [II] or controller during playback.

Press [▶] or controller to play it again

Skip

You can play the previous or next chapter/track.

Position	Description
Screen	<ul style="list-style-type: none">Press [$\blacktriangleleft/\triangleright$].Pressing [$\blacktriangleleft\blacktriangleleft$] after 3 seconds of playback time plays the current chapter/track from the beginning.
Head unit	<ul style="list-style-type: none">Press "VSEEK/TRACK\wedge".Pressing [VSEEK] after 3 seconds of playback time plays the current chapter/track from the beginning.
Controller	<ul style="list-style-type: none">Push the controller to the left or right.Push the controller to the left after 3 seconds of playback time plays the current chapter/track from the beginning.

DVD/VCD Operation

Search

You can search for the previous or next chapter/track quickly.

Position	Description
Screen	Press and hold [[◀◀/▶▶]] and then release at the point you want.
Head unit	Press and hold " VSEEK/TRACK▲ " and then release at the point you want.
Controller	Push and hold the controller to the left or right and then release at the point you want.

Seek

You can play the chapter/track directly by searching for the desired chapter/track.

Position	Description
Head unit	Turn "TUNE/FILE" to search a desired chapter/track. If the desired chapter/track is displayed, press the "TUNE/FILE" to play the chapter/track.
Controller	Turn the controller to search a desired chapter/track. If the desired chapter/track is displayed, press the controller to play the chapter/track.

Title Menu/ Disc Menu (DVD only)

If the current title has a menu, the menu will appear on the screen.

1. Press [MENU] > [Title Menu] or [Disc Menu] on the menu display mode.



2. Select the desired item by pressing [**▲/▼/◀/▶**].
3. Press [OK] to complete.

DVD/VCD Operation

Caption Language (DVD only)

If the DVD has a different caption language, you can see various caption language.

1. Press [MENU] > [Caption Language] on the menu display mode.



2. Select the desired caption language.

! Note

The caption language may vary depending on the title of DVD.

Voice Language (DVD only)

If the DVD has a different voice language, you can hear various voice language.

1. Press [MENU] > [Voice Language] on the menu display mode.



2. Select the desired voice language.

! Note

The voice language may vary depending on the title of DVD.

Angle (DVD only)

If the DVD has a different angle, you can display various angle.

1. Press [MENU] > [Angle] on the menu display mode.



2. Select the desired angle.

! Note

The angle may vary depending on the title of DVD.

DVD/VCD Operation

DVD Settings (DVD only)

This function sets the language to play a DVD by default.

1. Press [MENU] > [DVD Settings] on the menu display mode.



2. Press the desired items.
 - [DVD Caption Language]: Select the desired caption language.
 - [DVD Voice Language]: Select the desired voice language.
 - [DVD Menu Language]: Select the desired menu language.
3. Press [➡] to apply the changed settings and plays from the beginning part of DVD.

! Note

If there is no desired language, press [ETC]. Input the DVD language code, then press [Done]. Refer to the "DVD language code" on the page 34.

Repeat (VCD only)

The current playing track is played repeatedly.

1. Press [MENU] > [Repeat] on the menu display mode.



2. Press the desired item.
 - [Repeat All]: Plays repeatedly all tracks.
 - [Repeat One]: Plays repeatedly the current track.

! Note

You can set or cancel the Repeat function by pressing [repeat all] / [repeat one] on the playing screen.

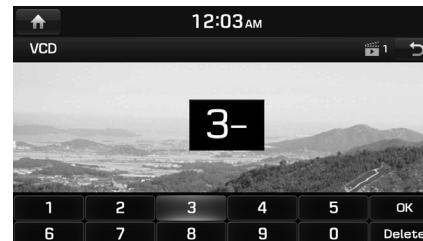
[repeat all]: Repeat All,

[repeat one]: Repeat One

Shortcut (VCD only)

You can play the track directly by searching for the desired track.

1. Press [MENU] > [Shortcut] on the menu display mode.



2. Press [0]~[9] to select the desired track.
3. Press [OK] to complete.

DVD/VCD Operation

PBC On/Off (VCD only)

When playing VIDEO CD with PBC functions (Version 2.0 discs), you can enjoy playing simple interactive software with search functions, etc.

PBC allows you to play VIDEO CD interactively by selecting the menus on the screen.

Also refer to the instructions supplied with the disc, as the operating procedure may differ according to the VIDEO CD.

1. Press [MENU] > [PBC] on the menu display mode.



2. Press [0]~[9] to select the desired menu.



- Press [**◀Prev**] or [**Next▶**] to move to the previous or next page.
 - Press [**▲**] to move to the upper menu.
 - If you press the wrong number, press [**Del**] to delete the inputted number.
3. Press [OK] to complete.

! Note

- If you press [MENU] > [PBC Menu] when the PBC is On, the PBC menu is displayed on the screen.
- If you press [MENU] > [PBC] when the PBC is On, the PBC function is canceled.

Display Settings

1. Press [MENU] > [Display Settings] on the menu display mode.
2. For details, refer to the "Display" on the page 88.

Sound Settings

1. Press [MENU] > [Sound Settings] on the menu display mode.
2. For details, refer to the "Sound" on the page 86.

DVD/VCD Operation

DVD language code

Code	Country	Code	Country	Code	Country	Code	Country
0101	Afar	0625	Frisian	1222	Latvian	1912	Slovenian
0102	Abkhazian	0701	Irish	1307	Malagasy	1913	Samoan
0106	Afrikaans	0704	Scots	1309	Maori	1914	Shona
0113	Amharic	0712	Gallegan	1311	Macedonian	1915	Somal
0118	Arabic	0714	Guarani	1312	Malayalam	1917	Albanian
0119	Assamese	0721	Gujarati	1314	Mongolian	1918	Serbian
0125	Aymara	0801	Hausa	1315	Moldavian	1919	Swati
0126	Azerbaijani	0809	Hindi	1318	Marathi	1920	Sesotho
0201	Bashkir	0818	Croatian	1319	Malay	1921	Sundanese
0205	Belarusian	0821	Hungarian	1320	Maltese	1922	Swedish
0207	Bulgarian	0825	Armenian	1325	Burmese	1923	Swahili
0208	Bihari	0901	Interlingua	1401	Nauru	2001	Tamil
0209	Bislama	0905	Interlingue	1405	Nepali	2005	Telugu
0214	Bengali	0911	Inupiak	1412	Dutch	2007	Tajik
0215	Tibetan	0914	Indonesian	1415	Norwegian	2008	Thai
0218	Breton	0919	Icelandic	1503	Occitan	2009	Tigrinya
0301	Catalan	0920	Italian	1513	Oromo	2011	Turkmen

DVD/VCD Operation

Code	Country	Code	Country	Code	Country	Code	Country
0315	Corsican	0923	Hebrew	1518	Oriya	2012	Tagalog
0319	Czech	1009	Yiddish	1601	Punjabi	2014	Tswana
0325	Welsh	1001	Japanese	1612	Polish	2015	Tongo
0401	Danish	1022	Javanese	1619	Pushto	2018	Turkish
0405	German	1101	Georgian	1620	Portuguese	2019	Tsonga
0426	Bhutani	1111	Kazakh	1721	Quechua	2020	Tatar
0512	Greek	1112	Greenlandic	1813	Romance	2023	Twi
0514	English	1113	Cambodian	1814	Kirundi	2111	Ukrainian
0515	Esperanto	1114	Kannada	1815	Romanian	2118	Urdu
0519	Spanish	1115	Korean	1821	Russian	2126	Uzbek
0520	Estonian	1119	Kashmiri	1823	Kinyarwanda	2209	Vietnamese
0521	Basque	1121	Kurdish	1901	Sanskrit	2215	Volapuk
0601	Persian	1125	Kirghiz	1904	Sindhi	2315	Wolo
0609	Finnish	1201	Latin	1907	Sangho	2408	Xhosa
0610	Fijian	1214	Lingala	1908	Croatian	2515	Yoruba
0615	Faroese	1215	Laotian	1909	Sinhalese	2608	Chinese
0618	French	1220	Lithuanian	1911	Slovak	2621	Zulu

Jukebox Operation

Playing Jukebox music

You can play the music files saved in Jukebox. If there is no music file in Jukebox, copy the desired music file to Jukebox. For details, refer to the "Copying the USB music file to Jukebox" on the page 43.

1. Press [HOME] > [Media].
2. Press [Jukebox Music].

The Jukebox Music is played.



Note

If there is the music file in Jukebox, the [Jukebox Music] menu is activated on the screen.

Pause

You can pause the playing file.

For details, refer to the "Pause" on the page 26.

Skip

You can play the previous or next file.

For details, refer to the "Skip" on the page 26.

Search

You can search for the previous or next file quickly.

For details, refer to the "Search" on the page 26.

Seek

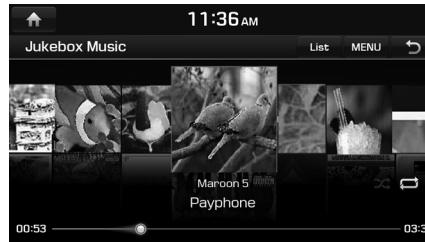
You can play the file directly by searching for the desired file.

For details, refer to the "Seek" on the page 27.

Cover Flow View

You can play the desired album by searching for the cover flow in Jukebox.

1. Press [MENU] > [Cover Flow View].



2. Select the desired album.

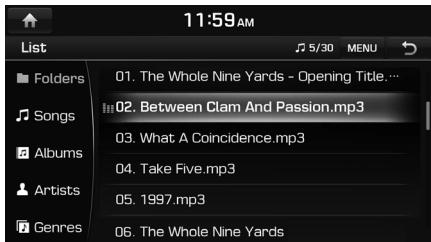
- Press [MENU] > [View Default Player] to move to the current playing screen.
- Press [MENU] > [List] to move to the list menu.
- Press [MENU] > [Shuffle] to set the Shuffle function.
- Press [MENU] > [Repeat] to set the Repeat function.
- Press [MENU] > [Scan] to set the Scan function.
- Press [MENU] > [Sound Settings] to set the sound.

Jukebox Operation

List

You can play the desired file by searching for file list included in Jukebox.

1. Press [List].
Or press [MENU] > [List].



For example: Jukebox music screen

2. Select the desired file.
 - Press [MENU] > [Now Playing] to move to the current playing screen.
 - Press [MENU] > [Delete] to delete the selected file.
 - Press [MENU] > [Clear Jukebox] to delete all files and playlists in Jukebox.
 - Press [MENU] > [Storage Capacity] to check the storage capacity saved in Jukebox.

Shuffle

All files are played randomly.

For details, refer to the "Shuffle" on the page 27.

Scan

This function scans the beginning parts of each files for 10 seconds.

For details, refer to the MP3 CD operation of "Scan" on the page 28.

Sound Settings

1. Press [MENU] > [Sound Settings].
2. For details, refer to the "Sound" on the page 86.

Repeat

The current playing file is played repeatedly.

1. Press [MENU] > [Repeat].



2. Press the desired item.

- [Repeat All]: Plays repeatedly all files.
- [Repeat Folder]: Plays repeatedly all files within the current folder.
- [Repeat One]: Plays repeatedly the current file.



Note

You can set or cancel the Repeat function by pressing [] / [] / [] on the playing screen.

[] : Repeat All, [] : Repeat Folder,

[] : Repeat One

Jukebox Operation

Playing Jukebox video

You can play the video files saved in Jukebox.

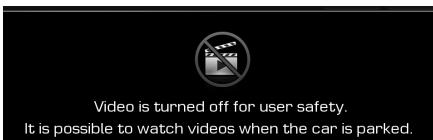
If there is no video file in Jukebox, copy the desired video to Jukebox. For details, refer to the "Copying the USB video file to Jukebox" on the page 45.

1. Press [HOME] > [Media].
2. Press [Jukebox Video].

The Jukebox Video is played.

Note

- If there is the video file in Jukebox, the [Jukebox Video] menu is activated on the screen.
- Video is not available while driving.
(Based on the traffic regulation, Video is only available when vehicle is in stop condition with parking gear.)



Switching to Menu display or Full display

Position	Description
Screen	Press the screen.
Controller	Push the controller to the up or down on full display mode.

Note

- If there is no operation for 5 seconds on menu display mode, it switches to full display mode.
- If you press [MENU] > [Full display] on menu display mode, it switches to full display mode.

Pause

You can pause the playing file.

For details, refer to the "Pause" on the page 26.

Skip

You can play the previous or next file.

For details, refer to the "Skip" on the page 26.

Search

You can search for the previous or next file quickly.

For details, refer to the "Search" on the page 26.

Seek

You can play the file directly by searching for the desired file.

For details, refer to the "Seek" on the page 27.

List

You can play the desired file by searching for file list included in Jukebox.

For details, refer to the "List" on the page 37.

Shuffle

All files are played randomly.

For details, refer to the "Shuffle" on the page 27.

Repeat

The current playing file is played repeatedly.

For details, refer to the "Repeat" on the page 37.

Jukebox Operation

Caption Settings

1. Press [MENU] > [Caption Settings] on the menu display mode.



2. Set the desired caption.
 - [View Subtitle]: This function turns on or off the subtitle displayed on the screen.
 - [Caption Language]: Selects the desired caption language.
 - [Font Size]: This function adjusts the font size of the subtitle displayed on the screen.

Voice Settings

1. Press [MENU] > [Voice Settings] on the menu display mode.



2. Set the desired voice.

Display Settings

1. Press [MENU] > [Display Settings] on the menu display mode.
2. For details, refer to the "Display" on the page 88.

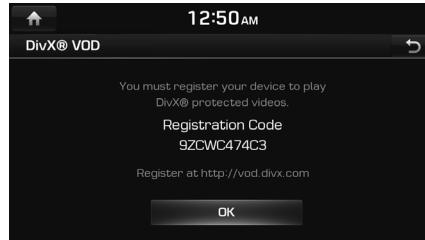
Sound Settings

1. Press [MENU] > [Sound Settings] on the menu display mode.
2. For details, refer to the "Sound" on the page 86.

DivX® VOD

You must register your device to play DivX® protected videos.

1. Press [MENU] > [DivX® VOD] on the menu display mode.



2. After checking the registration code, register at <http://vod.divx.com>.

Note

All the downloaded videos from DivX VOD with this registration code can only be played back on this device.

Jukebox Operation

Viewing Jukebox image

You can view the image files saved in Jukebox.

If there is no image file in Jukebox, copy the desired image to Jukebox. For details, refer to the "Copying the USB image file to Jukebox" on the page 46.

1. Press [HOME] > [Media].
2. Press [Jukebox Image].

The Jukebox Image is viewed.

! Note

If there is the image file in Jukebox, the [Jukebox Image] menu is activated on the screen.

Switching to Menu display or Full display

Position	Description
Screen	Press the screen.
Controller	Push the controller to the up or down on full display mode.

! Note

- If there is no operation for 5 seconds on menu display mode, it switches to full display mode.
- If you press [MENU] > [Full display] on menu display mode, it switches to full display mode.

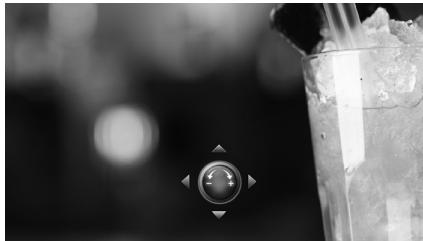
Skip

You can view the previous or next image.

Position	Description
Screen	Press [$\blacktriangleleft\blacktriangleright$].
Controller	Push the controller to the left or right.

Zoom in/out

1. Turn the controller to the left or right.

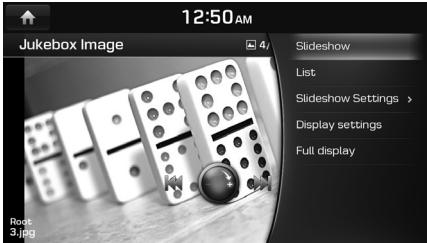


2. Push the controller to the up, down, left or right to move the image.

Jukebox Operation

Slideshow

1. Press [MENU] > [Slideshow] on the menu display mode.



The slideshow is played.

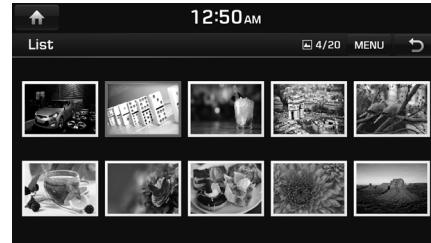
2. Press the controller to stop the slideshow.

List

You can view the desired image by searching for image list included in Jukebox.

1. Press [List].

Or press [MENU] > [List] on the menu display mode.



2. Press the desired image.

- Press [MENU] > [Now Playing] to move to the current playing screen.
- Press [MENU] > [Delete] to delete the selected file.
- Press [MENU] > [Clear Jukebox] to delete all files and playlists in Jukebox.
- Press [MENU] > [Storage Capacity] to check the storage capacity saved in Jukebox.

Slideshow Settings

You can set the slideshow interval. The slideshow is played according to the time interval.

1. Press [MENU] > [Slideshow Settings] on the menu display mode.



2. Press the desired slideshow interval.

Display Settings

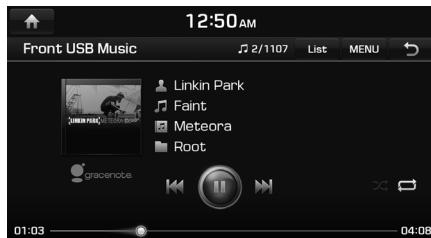
1. Press [MENU] > [Display Settings] on the menu display mode.
2. For details, refer to the "Display" on the page 88.

USB Operation

Playing USB music

You can play music files saved in a USB memory device.

Connect a USB device to the USB port and playback starts automatically.



Note

If you want to play the USB music files when playing other source with the USB device connected, press [HOME] > [Media] > [USB Music], [Front USB Music] or [Rear USB Music].

Pause

You can pause the playing file.

For details, refer to the "Pause" on the page 26.

Skip

You can play the previous or next file.

For details, refer to the "Skip" on the page 26.

Search

You can search for the previous or next file quickly.

For details, refer to the "Search" on the page 26.

Seek

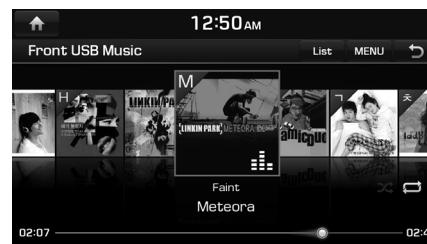
You can play the file directly by searching for the desired file.

For details, refer to the "Seek" on the page 27.

Cover Flow View

You can play the desired album by searching for the cover flow in USB.

1. Press [MENU] > [Cover Flow View].



2. Press the desired album.

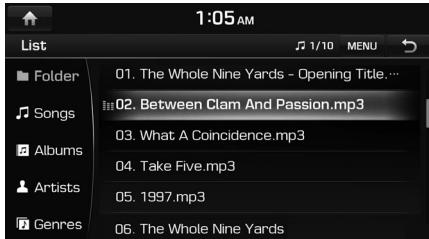
- Press [MENU] > [View Default Player] to move to the current playing screen.
- Press [MENU] > [List] to move to the list menu.
- Press [MENU] > [Shuffle] to set the Shuffle function.
- Press [MENU] > [Repeat] to set the Repeat function.
- Press [MENU] > [Copy to Jukebox] to copy the desired files to Jukebox. For details, refer to the "Copying the USB music file to Jukebox" on the page 43.
- Press [MENU] > [Scan] to set the Scan function.
- Press [MENU] > [Sound Settings] to set the sound.

USB Operation

List

You can play the desired file by searching for file list included in USB.

1. Press [List].
Or press [MENU] > [List].



2. Press the desired file after searching for folder, songs, albums, artists or genres.
 - Press [MENU] > [Now Playing] to move to the current playing screen.
 - Press [MENU] > [Copy to Jukebox] to copy the desired files to Jukebox.

Shuffle

All files are played randomly.
For details, refer to the "Shuffle" on the page 27.

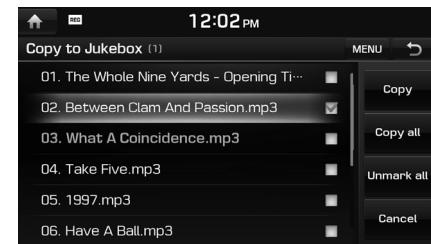
Repeat

The current playing file is played repeatedly.
For details, refer to the "Repeat" on the page 37.

Copying the USB music file to Jukebox

You can copy the desired files to Jukebox.

1. Press [MENU] > [Copy to Jukebox].



2. Select the desired file, then press [Copy].
 - [Copy]: Copies the selected file.
 - [Copy all]: Copies all the files.
 - [Unmark all]: Unmarks all the files.
 - [Cancel]: Cancels the copy function.

Scan

This function scans the beginning parts of each files for 10 seconds.

For details, refer to the MP3 CD operation of "Scan" on the page 28.

Sound Settings

1. Press [MENU] > [Sound Settings].
2. For details, refer to the "Sound" on the page 86.

USB Operation

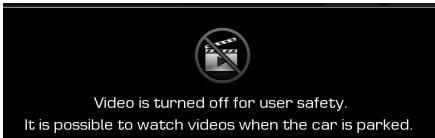
Playing USB video

You can play video files saved in a USB memory device.

Connect a USB device to the USB port and playback starts automatically.

Note

- If you want to play the USB video files when playing other source with the USB device connected, press [HOME] > [Media] > [USB Video], [Front USB Video] or [Rear USB Video].
- Video is not available while driving.
(Based on the traffic regulation, Video is only available whenever vehicle is in stop condition with parking gear.)



Switching to Menu display or Full display

Position	Description
Screen	Press the screen.
Controller	Push the controller to the up or down on full display mode.

Note

- If there is no operation for 5 seconds on menu display mode, it switches to full display mode.
- If you press [MENU] > [Full display] on menu display mode, it switches to full display mode.

Pause

You can pause the playing file.

For details, refer to the "Pause" on the page 26.

Skip

You can play the previous or next file.

For details, refer to the "Skip" on the page 26.

Search

You can search for the previous or next file quickly.

For details, refer to the "Search" on the page 26.

Seek

You can play the file directly by searching for the desired file.

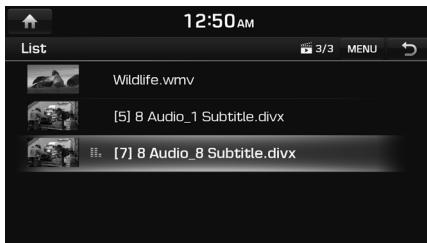
For details, refer to the "Seek" on the page 27.

USB Operation

List

You can play the desired file by searching for file list included in USB.

1. Press [List].
Or press [MENU] > [List].



2. Press the desired file.
 - Press [MENU] > [Now Playing] to move to the current playing screen.
 - Press [MENU] > [Copy to Jukebox] to copy the desired files to Jukebox.

Shuffle

All files are played randomly.

For details, refer to the "Shuffle" on the page 27.

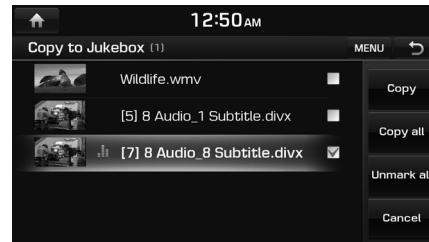
Repeat

The current playing file is played repeatedly.
For details, refer to the "Repeat" on the page 37.

Copying the USB video file to Jukebox

You can copy the desired files to Jukebox.

1. Press [MENU] > [Copy to Jukebox].



2. Select the desired file, then press [Copy].
 - [Copy]: Copies the selected file.
 - [Copy all]: Copies all the files.
 - [Unmark all]: Unmarks all the files.
 - [Cancel]: Cancels the copy function.

Caption Settings

You can set the caption.
For details, refer to the "Caption Settings" on the page 39.

Voice Settings

You can set the voice.
For details, refer to the "Voice Settings" on the page 39.

DivX® VOD

You must register your device to play DivX® protected videos.

For details, refer to the "DivX® VOD" on the page 39.

Display Settings

1. Press [MENU] > [Display Settings] on the menu display mode.
2. For details, refer to the "Display" on the page 88.

Sound Settings

1. Press [MENU] > [Sound Settings] on the menu display mode.
2. For details, refer to the "Sound" on the page 86.

USB Operation

Viewing USB image

You can play image files saved in a USB memory device.

Connect a USB device to the USB port and playback starts automatically.

Note

If you want to play the USB image files when playing other source with the USB device connected, press [HOME] > [Media] > [USB image], [Front USB image] or [Rear USB image].

Switching to Menu display or Full display

Position	Description
Screen	Press the screen.
Controller	Push the controller to the up or down on full display mode.

Note

- If there is no operation for 5 seconds on menu display mode, it switches to full display mode.
- If you press [MENU] > [Full display] on menu display mode, it switches to full display mode.

Skip

You can view the previous or next image.

For details, refer to the "Skip" on the page 40.

Zoom in/out

Turn the controller to the left or right.

For details, refer to the "Zoom in/out" on the page 40.

Slideshow

You can set the slideshow.

For details, refer to the "Slideshow" on the page 41.

List

You can view the desired image by searching for image list included in USB.

For details, refer to the "List" on the page 41.

Slideshow Settings

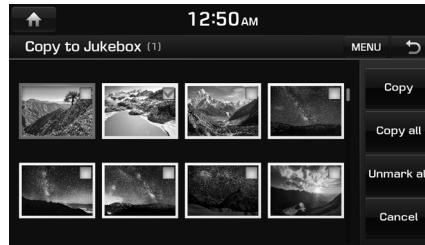
You can set the slideshow interval. The slideshow is played according to the time interval.

For details, refer to the "Slideshow Settings" on the page 41.

Copying the USB image file to Jukebox

You can copy the desired files to Jukebox.

1. Press [MENU] > [Copy to Jukebox].



2. Select the desired file, then press [Copy].

- [Copy]: Copies the selected file.
- [Copy all]: Copies all the files.
- [Unmark all]: Unmarks all the files.
- [Cancel]: Cancels the copy function.

Display Settings

1. Press [MENU] > [Display Settings] on the menu display mode.
2. For details, refer to the "Display" on the page 88.

iPod Operation

Playing iPod

Connect an iPod to the USB port by using the iPod cable and playback starts automatically.



If you want to play the iPod when playing other source, press [HOME] > [Media] > [iPod], [Front iPod] or [Rear iPod].

Pause

You can pause the playing file. For details, refer to the "Pause" on the page 26.

Skip

You can play the previous or next file. For details, refer to the "Skip" on the page 26.

Search

You can search for the previous or next file quickly. For details, refer to the "Search" on the page 26.

Seek

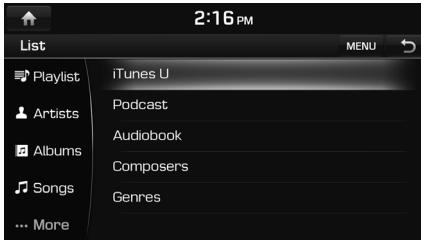
You can play the file directly by searching for the desired file. For details, refer to the "Seek" on the page 27.

List

You can play the desired file by searching for file list included in iPod.

1. Press [List].

Or press [MENU] > [List].



2. Press the desired file.

- Press [MENU] > [Now Playing] to move to the current playing screen.
- Press [MENU] > [Edit Category] to edit the category, then press the desired category. After moving to the desired category by turning the controller to the left or right, press the controller.

Shuffle

All files are played randomly.

For details, refer to the "Shuffle" on the page 27.

Repeat

The current playing file is played repeatedly.

1. Press [MENU] > [Repeat].



2. Press the desired item.

- [Repeat All]: Plays repeatedly all files.
- [Repeat One]: Plays repeatedly the current file.



You can set or cancel the Repeat function by pressing [] / [] on the playing screen.

[]: Repeat All, []: Repeat One

Scan

This function scans the beginning parts of each files for 10 seconds. For details, refer to the MP3 CD operation of "Scan" on the page 28.

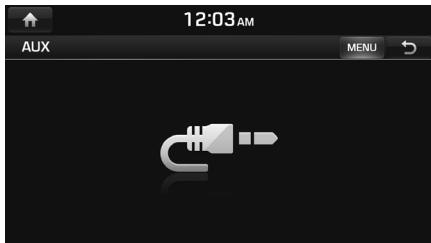
Sound Settings

1. Press [MENU] > [Sound Settings].
2. For details, refer to the "Sound" on the page 86.

Auxiliary device operation

Playing an AUX source

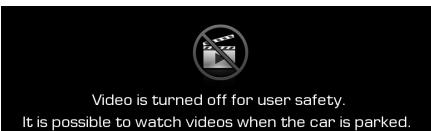
1. Connect an auxiliary device to the AUX terminal.



2. Play the auxiliary device.

! Note

- Some auxiliary devices that do not have the video source may not produce output to the video screen.
- If you want to play the auxiliary device when playing other source, press [HOME] > [Media] > [AUX].
- Video is not available while driving.
(Based on the traffic regulation, Aux Video is only available whenever vehicle is in stop condition with parking gear.)



Switching to Menu display or Full display during video playback

Position	Description
Screen	Press the screen.
Controller	Push the controller to the up or down on full display mode.

! Note

- If there is no operation for 5 seconds on menu display mode, it switches to full display mode.
- If you press [MENU] > [Full display] on menu display mode, it switches to full display mode.

Display Settings

1. Press [MENU] > [Display Settings] on the menu display mode during video playback.
2. For details, refer to the "Display" on the page 88.

Sound Settings

1. Press [MENU] > [Sound Settings].
2. For details, refer to the "Sound" on the page 86.

Bluetooth audio

Playing Bluetooth audio

Before playing the Bluetooth audio

- Music saved in the mobile phone can be played in the car through Bluetooth audio streaming.
- Bluetooth audio can be played only when a Bluetooth phone has been connected. To play Bluetooth audio, connect the Bluetooth phone to the car system. For more information on connecting Bluetooth, please refer to the user's manual [Pairing and connecting the unit and a Bluetooth phone] on the page 77.
- If the Bluetooth is disconnected while playing Bluetooth audio, the music is discontinued.
- The audio streaming function may not be supported in some mobile phones. Only one function can be used at a time between the Bluetooth handsfree or Bluetooth audio function. For example, if you convert to the Bluetooth handsfree while playing Bluetooth audio, the music is discontinued.
- Playing music from the car is not possible when there are no music files saved in the mobile phone.

Starting the Bluetooth audio

- Press [HOME] > [Media] > [Bluetooth audio].
- The Bluetooth audio screen is displayed.



Pause

Press [**▶||**] or controller during playback.

Press [**▶||**] or controller to play it again.



Note

This feature may not be supported in some Bluetooth devices.

Skip

You can play the previous or next file.

For details, refer to the "Skip" on the page 26.



Note

This feature may not be supported in some Bluetooth devices.

Sound Settings

- Press [MENU] > [Sound Settings].
- For details, refer to the "Sound" on the page 86.

Getting started with navigation

Precautions for safe driving

Please observe and comply with local traffic rules and regulations.

- For your safety, some features cannot be operated while driving for your safety. Features that cannot be operated will be disabled.
- The route displayed for destination guidance is a reference and the route guidance will take you to the vicinity of your destination. The highlighted route is not always; the shortest distance, the least congested, and in some cases might, not be the fastest route.
- Road, name, and POI information may not always been completely updated. Some places may not include up to date information.
- The car position mark does not always indicate your exact location. This system uses GPS information, various sensors, and road map data to display the current position. However, errors in displaying your location may occur if the satellite is transmitting inaccurate signals or two or less satellite signals can be received. Errors that occur in such conditions cannot be corrected.

- The position of the vehicle within the navigation may differ from your actual location depending on various reasons, including the satellite transmission state, vehicle state (driving location and conditions), etc. Additionally, the car position mark may differ from the actual position if the map data is different from the actual road landscape, such as changes due to the construction of new roads. If such differences occur, driving for a short period of time will automatically correct the position of the vehicle through map matching or GPS information.

What is GPS?

The Global Positioning System (GPS) is a satellite-based navigation system made up of a network of 24 satellites placed into orbit by the U.S. Department of Defense.

GPS was originally intended for military applications, but in the 1980s, the government made the system available for civilian use.

GPS works in any weather conditions, anywhere in the world, 24 hours a day.

There are no subscription fees or setup charges to use GPS.

About satellite signals

Your unit must acquire satellite signals to operate. If you are indoors, near tall buildings or trees, or in a parking garage, the unit cannot acquire satellite signal.

Acquiring satellite signals

Before the unit can determine your current position and navigate a route, you must do the following steps:

1. Go outside to an area free from tall obstructions.
2. Turn on the unit.

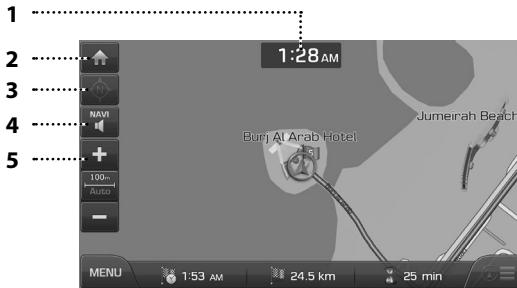
Acquiring satellite signals can take a few minutes.

Getting started with navigation

Operating Navigation Screen

The navigation system displays various information on the screen.

Map screen



1. Clock display

Displays current clock.

2. button

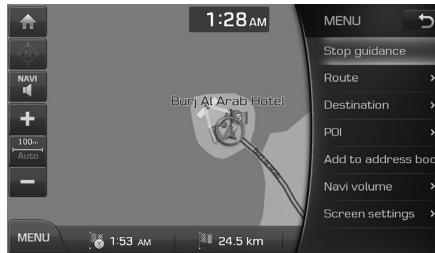
Press [] to move to [HOME] screen.

3. Map display

- Displays the direction of the map.

Press [], [] or [].

- (heading up (2D)): Displays always shows the vehicle's direction as proceeding towards the top of the screen.



4. Navigation voice guidance on/off



Turns the navigation voice guidance On/Off. Press [] or [].

5. button

Zoom in the map. Press [] repeatedly.

GPS signal state display

Displays the state of GPS signal reception.

- Active - color : GPS reception is satisfactory.
- Inactive - gray : GPS reception is unsatisfactory.

Getting started with navigation



6. Map scale display

- Displays the current map scale.
- Sets the zoom level automatically according to the guidance. For details, refer to the "Map scale" on the page 54.

7. [-] button

Zoom out the map. Press [-] repeatedly.

8. [MENU] button

Moves to quick menu screen. For details, refer to the "General operations of quick menu" on the page 59.

9. Route guidance display

Displays the route guidance to the destination when a route is set.

10. Vehicle position display

Displays current vehicle position and direction.

11. Arriving time display

Displays the arriving time to the destination. Press to check the destination information.

12. Remaining distance display

Displays the remaining distance to the destination. Press to check the destination information.

13. Remaining time display

Displays the remaining time to the destination. Press to check the destination information.

14. Stop/Resume guidance

Stops or resumes the route guidance to the destination.

15. [ROUTE] button

Changes the route conditions when a route is set. For details, refer to the "Changing the route conditions" on the page 54.

Getting started with navigation



16. [Destination] button

Moves to [Destination] menu.

17. [POI] button

Finds a POI (Point Of Interest) near current position, destination or route. For details, refer to the "Searching for POI" on the page 55.



18. [Add to address book] button

Adds frequently used address to [Address book] menu. For details, refer to the "Adding the position to address book" on the page 57.

19. [Navi volume] button

Adjusts the navi volume. For details, refer to the "Navi volume" on the page 57.

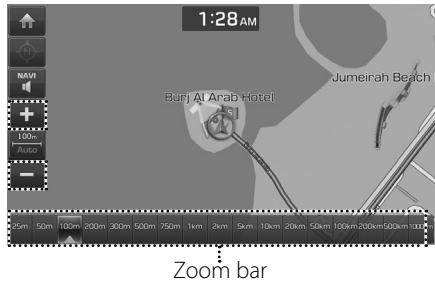
20. [Screen settings] button

Moves to [Screen settings] menu. For details, refer to the "Screen settings" on the page 58.

Getting started with navigation

Zoom In / Zoom Out

Press [+] or [-] to set the zoom level on the map screen.



Note

- You can set the zoom level by directly pressing the zoom bar on the zoom bar.
- Press [+] or [-] for over 1 second. The zoom will continuously change.
- If the zoom range limit is reached, the [+] / [-] button will be disabled.
- If you want to set the auto zoom, press .

Map scale

This function sets the zoom level automatically according to the road class.

Press  on the map screen.



Name	Description
 Scale Fix (inactive - "Auto")	Fix the displayed scale.
 Auto Scale (active - "Auto")	Change the map scale automatically depending on the road class.

Changing the route conditions

You can set new route by searching for various route option when a route is set.

Route option

You can modify the route conditions or confirm the route information. Set the appropriate route condition according to your purpose.

For details, refer to the "Route option" on the page 67.

Detour



You can select a detour distance to take a detour for that distance.

Press [Using map] to select a detour location on the map.

Avoid street

This allows you to search for new route by avoiding the selected street(s).

For details, refer to the "Avoid street" on the page 69.

Plan tour

The plan tour allows you to travel through the searched routes by editing the current route. For details, refer to the "Plan tour" on the page 68.

Getting started with navigation

Route overview

You can check the entire route between your current location and your destination. For details, refer to the "Route overview" on the page 69.

Route scan

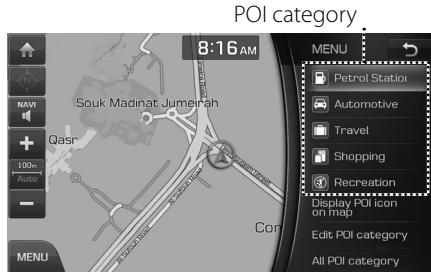
The plan tour allows you to travel through the searched routes by editing the current route. For details, refer to the "Route scan" on the page 70.

Searching for POI

POI search

You can find a POI (Point Of Interest) near current position, destination, route, scroll mark or city centre.

1. Press [MENU] > [POI].



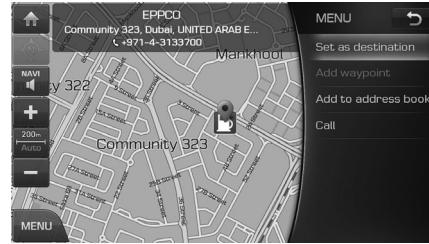
- Press [All POI category] to search for all the categories, then select the desired POI.

2. Select one of POI category.



- Press [MENU] > [Distance] to arrange the list in distance order.
- Press [MENU] > [Name] to arrange the list in name order.
- Press [MENU] > [Category] to arrange the list in category order.
- 3. Press the desired position.
 - [Near current position]: Search for POI's around the current position.
 - [Near destination]: Search for POI's around the destination when a route is set.
 - [Along route]: Search for POI's along route when a route is set.
 - [Near scroll mark]: Search for POI's around the current cursor when the map scrolled.
 - [Near city centre]: Search for POI's around the city selected.

4. Press the desired item.



5. Press [Set as destination].

When a route is set, press [Change destination].

- If you want to add a waypoint when a route is set, press [Add waypoint]. For details, refer to the "Adding waypoints" on the page 68.
- If you want to add the position to [Address book] menu, press [Add to address book]. For details, refer to the "Adding the position to address book" on the page 57.
- If you want to make a call, press [Call]. For details, refer to the "Making a call to POI" on the page 58.



Note

When you set the [Multiple routes], follow steps 6~7. Otherwise, drive in accordance with the screen and voice information.

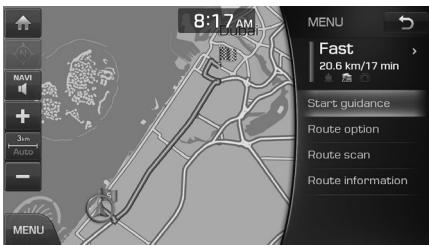
Getting started with navigation

6. Press the desired route.



- [Fast]: Calculates the route based on the fastest arrival time.
- [Short]: Calculates the route based on the shortest distance.

7. Press [Start guidance].



- Press [Route option] to set the route option. For details, refer to the "Route option" on the page 67.

- Press [Route scan] to scan the scan. For details, refer to the "Route scan" on the page 70.
- Press [Route information] to view the route information. For details, refer to the "Route information" on the page 69.

Note

The destination is saved in the [Previous points] menu automatically. (Page 62)

Displaying/Hiding POI icons on the map screen

1. Press [MENU] > [POI] > [Display POI icon on map].



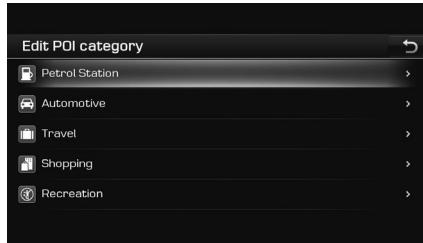
2. Mark or unmark the desired POI.

The map icon is displayed on the right of POI menu screen.

Editing POI category

You can edit the POI category displayed on POI menu screen.

1. Press [MENU] > [POI] > [Edit POI category].



2. Select the POI to edit.



3. Select the the desired POI.

The selected POI appears on POI menu screen.

Getting started with navigation

Adding the position to address book

You can add the current position or the selected place to address book.

1. Press [MENU] > [Add to address book].



2. Input the name.
3. Press [] to finish.

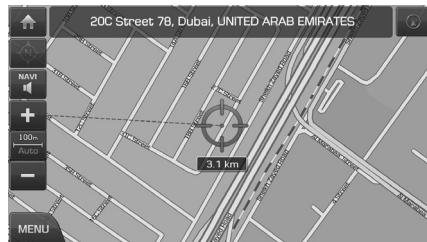
Note

Press [MENU] > [Destination] > [Address book] to check the added position.

Scrolling map

1. Press and drag the map area on the screen. The selected point will be centred on the screen and the scroll mark will be displayed.

Information about the marked point and straight line distance from the current position will be displayed at the centre of the screen.



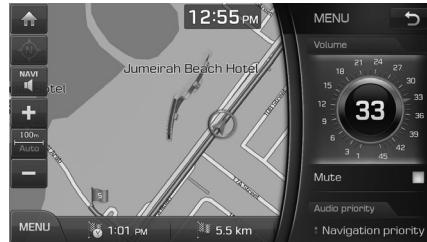
2. Press [MENU].
3. Follow the steps 5~7 of the "POI search" on the page 55.

Note

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

Navi volume

Press [MENU] > [Navi volume] to adjust the volume.



- [Volume]: Adjusts the Navi volume.
- [Mute]: Sets the sound to mute.
- [Audio priority]: Sets the volume control to [Navigation priority] or [Equal priority].

Getting started with navigation

Screen settings

Press [MENU] > [Screen settings] to set the screen.

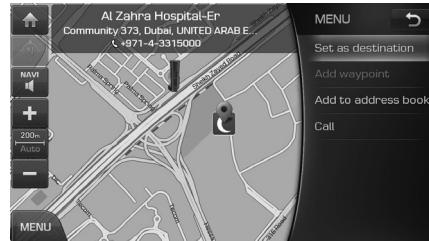


- Press [Auto scale] to set the map scale automatically depending on the road class.
- Press [3D buildings] to display the 3D building screen.
- Press [Turn list] to display the turn list.
- [Map view]: Sets the map screen to [2D heading up], [3D] or [2D north up].

Making a call to POI

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

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



2. Press [Call] on the menu screen.
3. Bluetooth is used to make a call to the POI facility.

Note

- Making a call is not possible if there is no telephone information for a POI or if there is no mobile phone connected through Bluetooth.
- For more information of mobile phone authentication through Bluetooth or detailed information on conducting search, refer to [Pairing and connecting the unit and a Bluetooth phone], page 77.

Previous points view

When starting the navigation, the "Previous points" pop-up appears for about 10 seconds. The pop-up is displayed only when the navigation is started without the route planned.

Press one of the list.



Note

Press [HOME] > [Settings] > [Navigation] > [General] > [Show previous points] to set the previous points view.

Getting started with navigation

General operations of quick menu

1. Press [MENU] on the map screen.
Or press [MENU] on the remote control for head unit on the map screen.



2. Press the preferred setting method.
 - [Stop guidance]/[Resume guidance]: Stops or resumes the route guidance. (Page 67)
 - [Route]: Changes the route conditions by using the [Route] menu when the route is activated. (Page 67)
 - [Destination]: Finds a destination by using the [Destination] menu. (Pages 60~66)
 - [POI]: Finds a destination by searching for POI. (Page 55~56)

- [Add to address book]: Adds the position to [Address book] menu. (Page 57)
- [Navi volume]: Adjusts the navi volume. (Page 57)
- [Screen settings]: Sets items related with screen. (Page 58)

General operations of [Navi] menu

1. Press [NAV] on the remote control for head unit.



2. Press the preferred setting method.
 - [Destination]: Finds a destination by using the [Destination] menu. (Pages 60~66)
 - [Route]: Changes the route conditions by using the [Route] menu when the route is activated. (Page 67)
 - [Favourite]: Sets the route to your home, location or Favourite locations by using the [Favourite] menu. (Page 65)
 - [Navigation settings]: Sets items related with navigation. (Page 85)

Searching for destination of navigation

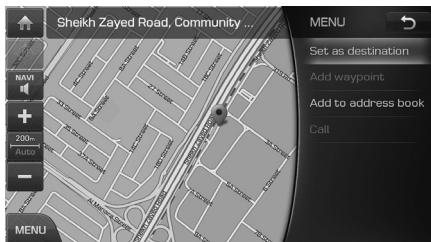
Address Search

You can find the destination by searching for an address.

1. Press [MENU] or [NAV] > [Destination] > [Address].



2. Enter the name of the country, city, street, house number or intersection corresponding to the desired destination.

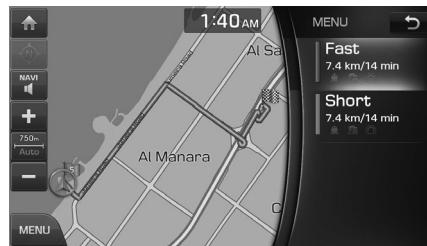


3. Press [Set as destination].

When a route is set, press [Change destination].

- If you want to add a waypoint when a route is set, press [Add waypoint]. For details, refer to the "Adding waypoints" on the page 68.
- If you want to add the position to [Address book] menu, press [Add to address book]. For details, refer to the "Adding the position to address book" on the page 57.
- If you want to make a call, press [Call]. For details, refer to the "Making a call to POI" on the page 58.

4. Press the desired route.



- [Fast]: Calculates the route based on the fastest arrival time.
- [Short]: Calculates the route based on the shortest distance.

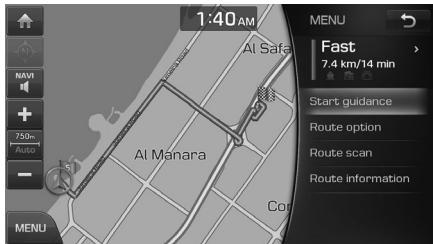


Note

When you set the [Multiple routes], follow steps 4~5. Otherwise, drive in accordance with the screen and voice information.

Searching for destination of navigation

5. Press [Start guidance].



- Press [Route option] to set the route option. For details, refer to the "Route option" on the page 67.
- Press [Route scan] to scan the scan. For details, refer to the "Route scan" on the page 70.
- Press [Route information] to view the route information. For details, refer to the "Route information" on the page 69.

Note

The destination is saved in the [Previous points] menu automatically. (Page 62)

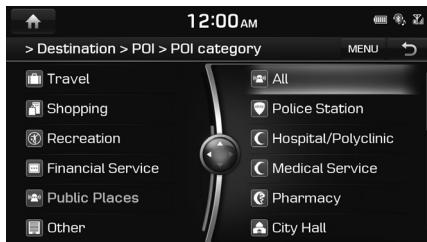
POI

You can find a destination from various categories.

There are 3 ways to set the destination through POI search - by category, by name, by phone number.

Searching for POI by category

1. Press [NAV] > [Destination] > [POI] > [POI category].



If you want to search for the POI category by name, press [MENU] > [Search]. Input the name, then press [Q] to finish.

2. Follow the steps 2~7 of the "POI search" on the page 55.

Searching for POI by name

1. Press [MENU] > [Destination] > [POI name]. Or press [NAV] > [Destination] > [POI] > [POI name].



2. Input the desired facility name and press [Q].
 - Press [MENU] > [Distance], [Name] or [Category] to arrange the list in distance, name or category order.
 - Press [MENU] > [All cities] or [All categories] to select the desired city or category.
3. Press the desired POI.
4. Follow the steps 3-5 of the "Address Search" on the page 60.

Searching for destination of navigation

Searching for POI by phone number

If you know the phone number of the destination, you may use this function to find the destination.

1. Press [NAV] > [Destination] > [POI] > [POI phone number].

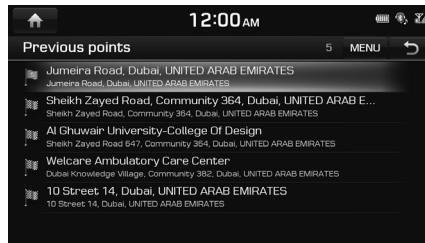


2. Input the desired phone number and press [q].
 - Press [MENU] > [Distance], [Phone no.] or [Category] to arrange the list in distance, phone number, or category order.
3. Press the desired POI.
4. Follow the steps 3-5 of the "Address Search" on the page 60.

Previous points

You can find the destination to a location that you have lastly set as the destination.

1. Press [MENU] or [NAV] > [Destination] > [Previous points].



- Press [MENU] > [Date], [Name] or [Category] to arrange the list in date, name, or category order.
- Press [MENU] > [Delete] to select and delete items from various entries all at once.
2. Press the preferred previous point from the list.
3. Follow the steps 3-5 of the "Address Search" on the page 60.

Address book

You can find the destination to a location saved in the [Address book] menu. To utilize this function more effectively, destinations that you often travel to should be saved in advance. First of all, store in the [Address book] menu through destination search function.

1. Press [MENU] or [NAV] > [Destination] > [Address book].



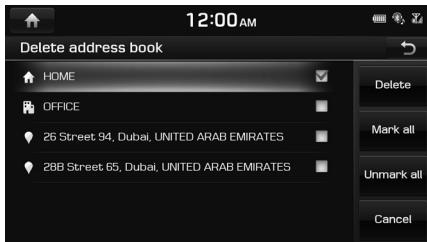
- Press [MENU] > [Date], [Name] or [Category] to arrange the list in date, name, or category order.
- Press [MENU] > [Delete] to select and delete items from various entries all at once.
- Press [MENU] > [Edit] to edit items from various entries all at once.

Searching for destination of navigation

2. Press the desired item from the list.
3. Follow the steps 3-5 of the "Address Search" on the page 60.

Deleting Address book

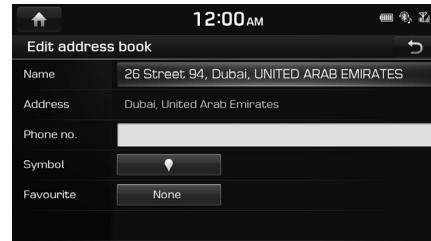
1. Press [MENU] > [Delete] in address book list.



2. Select the desired item, then press [Delete].
 - [Delete]: Deletes the selected items.
 - [Mark all]: Marks all the items.
 - [Unmark all]: Unmarks all the items.
 - [Cancel]: Cancels the delete function.

Editing Address book

1. Press [MENU] > [Edit] in address book list.
2. Select the item to edit.



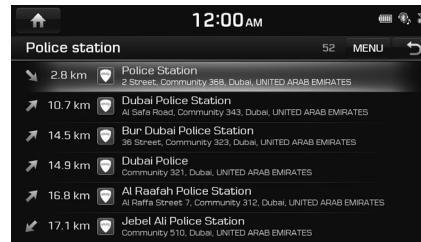
3. Edit the desired item.
 - [Name]: Changes the name.
 - [Phone No]: Changes the phone number.
 - [Symbol]: Selects the symbol displayed on the map screen.
 - [Favourite]: Selects the desired Favourite.

Emergency

You can find a destination by searching for a police station, hospital, or auto service in emergency situations.

Police station

1. Press [NAV] > [Destination] > [Emergency] > [Police station].



Press [MENU] > [Distance] or [Name] to arrange the list in distance or name order.

2. Press the preferred item from the list.
3. Follow the steps 3-5 of the "Address Search" on the page 60.

Searching for destination of navigation

Hospital

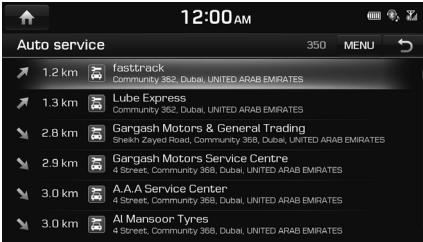
1. Press [NAV] > [Destination] > [Emergency] > [Hospital].



2. Press the preferred item from the list.
 - Press [MENU] > [Distance] or [Name] to arrange the list in distance or name order.
3. Follow the steps 3-5 of the "Address Search" on the page 60.

Auto service

1. Press [NAV] > [Destination] > [Emergency] > [Auto service].



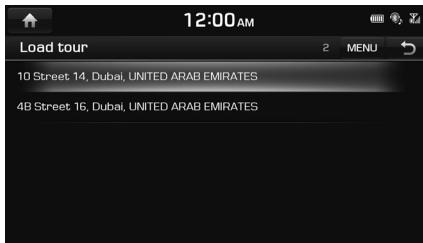
2. Press the preferred item from the list.
 - Press [MENU] > [Distance] or [Name] to arrange the list in distance or name order.
3. Follow the steps 3-5 of the "Address Search" on the page 60.

Load tour

You can find the destination to a location saved in the [Load tour] menu. To utilize this function more effectively, destinations that you often travel to should be saved in advance.

First of all, store in the [Load tour] menu through route search function. For details, Refer to the "Plan tour" on the page 68.

1. Press [NAV] > [Destination] > [Load tour].

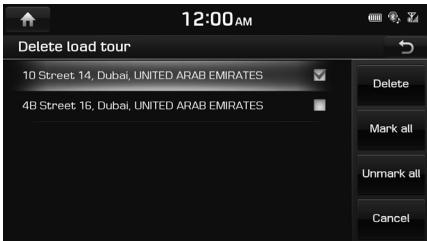


- Press [MENU] > [Name] or [Date] to arrange the list in name or date order.
2. Select the desired item.
 3. Press [OK] > [Start guidance].

Searching for destination of navigation

Deleting load tour

1. Press [NAV] > [Destination] > [Load tour].
2. Press [MENU] > [Delete].

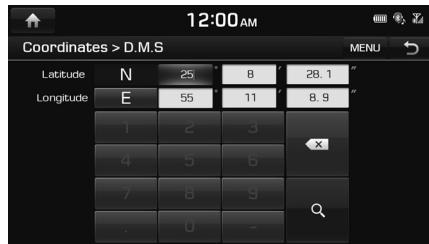


3. Select the desired item, then press [Delete].
 - [Delete]: Deletes the selected items.
 - [Mark all]: Marks all the items.
 - [Unmark all]: Unmarks all the items.
 - [Cancel]: Cancels the delete function.

Coordinates

You can find a destination by inputting the coordinates of latitude and longitude.

1. Press [NAV] > [Destination] > [Coordinates].



2. Press the degree, minute and (or) second of the longitude and latitude, then input the desired coordinates.
3. Press [OK].
4. Follow the steps 3-5 of the "Address Search" on the page 60.

Home, Office, Favourite (1~6)

If your home location, office location, and Favourite locations have been already saved in the [Favourite] menu, it can be easily retrieved to set the route to your home location, office location and Favourite locations.

First of all, store in the [Favourite] menu through destination search function.

Registering Home, Office, or Favourite (1~6)

1. Press [NAV] > [Favourite].



2. Press [Home], [Office], or [Favourite (1~6)].
3. Select the desired position through destination search function.
4. Press [OK] when the destination search is complete.

Searching for destination of navigation



5. Input the desired name and press [].

It is saved in the [Favourite] menu automatically.

! Note

Press [MENU] or [NAV] > [Destination] > [Address book] on the map screen to check items saved in the [Favourite] menu.

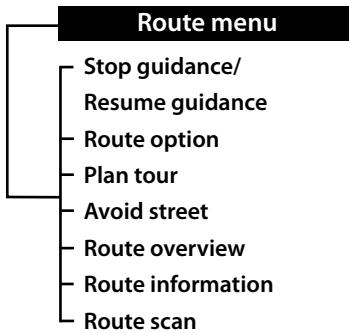
Finding your Home, Office, or Favourite place

1. Press [NAV] > [Favourite] > [Home], [Office], or favourite place.
2. Follow the steps 4-5 of the "Address Search" on the page 60.

Using the route menu

Route menu overview

This allows you to change the route conditions by using the route menu when the route is activated.



Stop guidance/ Resume guidance

If you want to stop the route guidance when a route is active, press [MENU] > [Stop guidance] or press [NAV] > [Route] > [Stop guidance].

If you want to continue travelling to your destination, press [MENU] > [Resume guidance] or press [NAV] > [Route] > [Resume guidance].

Route option

You can modify the route conditions or confirm the route information. Set the appropriate route condition according to your purpose.

1. Press [NAV] or [MENU] > [Route] > [Route option].



2. Set the desired options.

- Route
 - [Fast]: Calculates the route based on the fastest arrival time.
 - [Short]: Calculates the route based on the shortest distance.
- Main road, Ferry, Toll road, Time restricted, Tunnel
 - [Use]: Calculates the route including the Main road, Ferry, Toll road, Time restricted or Tunnel.

- [Avoid]: Calculates the route avoiding the Main road, Ferry, Toll road, Time restricted or Tunnel.

3. Set the desired options and press [OK] to finish.

Note

The items set by user may not be reflected depending on condition.

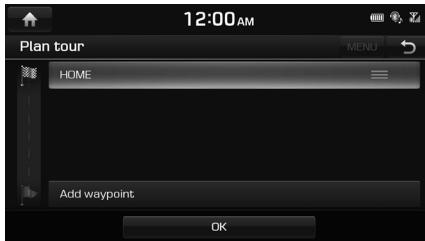
Using the route menu

Plan tour

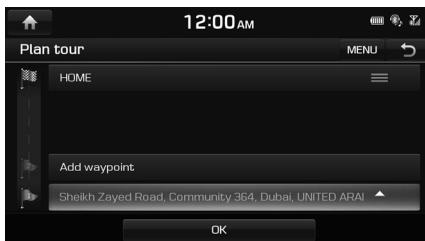
The plan tour allows you to travel through the searched routes by editing the current route. Waypoints can be added/deleted/edited and the order can be changed.

Adding waypoints

1. Press [NAV] > [Route] > [Plan tour].



2. Press [Add waypoint].
3. Add the waypoint through destination search function.



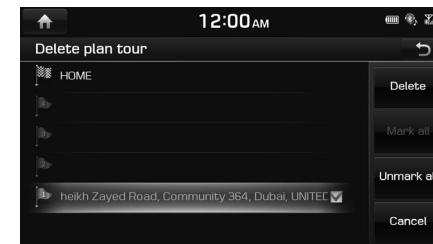
4. If you want to add an waypoint, follow steps 2~3.
5. Press [OK] > [Start guidance].

Reordering plan tour

1. Press [NAV] > [Route] > [Plan tour].
2. Press the desired item from the list.
3. Move the selected item up and down. Or Drag it to the desired position.
4. Press [OK] > [Start guidance].

Deleting plan tour

1. Press [NAV] > [Route] > [Plan tour].
2. Press [MENU] > [Delete].



3. Select the desired item, then press [Delete].
 - [Delete]: Deletes the selected items.
 - [Mark all]: Marks all the items.
 - [Unmark all]: Unmarks all the items.
 - [Cancel]: Cancels the delete function.

Saving the plan tour in the [Load tour] menu

If the plan tour have been already saved in the [Load tour] menu, it can be easily retrieved to set the route.

1. Press [NAV] > [Route] > [Plan tour].
2. Press [MENU] > [Save].



3. Input the tour name and press [**J**].

It is saved in the [Load tour] menu automatically.

Using the route menu

Avoid street

This allows you to search for new route by avoiding the selected street(s).

This allows you to avoid certain streets due to traffic conditions. You can calculate an alternative route from the vehicle location to the destination.

1. Press [NAV] or [MENU] > [Route] > [Avoid street].

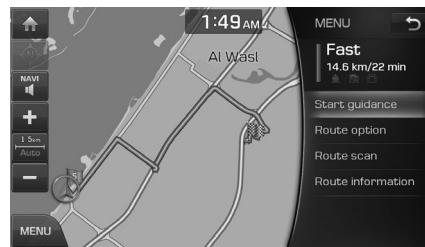


2. Press the street(s) that you want to avoid.
3. Press [MENU] > [OK].
If you want to cancel it, press [MENU] > [Unmark all].
4. Press [New] > [Start guidance].

Route overview

You can check the entire route between your current location and your destination.

1. Press [NAV] > [Route] > [Route overview].

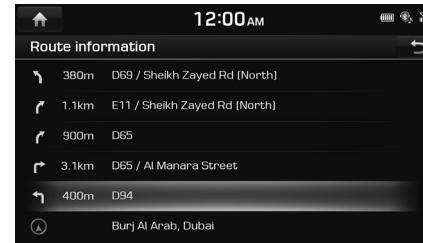


2. Press the desired item.
 - [Start guidance]: Starts the route guidance.
 - [Route option]: Sets the route option. (Page 68)
 - [Route scan]: Checks the detailed turn-by-turn list. (Page 70)
 - [Route information]: Press [Route information] to view the route information. (Page 69)

Route information

This allows you to view the distance to the next guide point and the turning direction at that guide point.

1. Press [NAV] > [Route] > [Route information].



2. Select the desired item to check the map information.

Using the route menu

Route scan

This allows you to check the detailed turn-by-turn list.

1. Press [NAV] > [Route] > [Route scan].



2. Press the desired item.

- []: Move to the departure location.
- []: Move to the previous position.
- []: Move to the next position.
- []: Move to the destination location.
- []: Quick move to the specific position.
- []: Close the route scan.

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System 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 have recent maps, activation code 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, the data might be damaged. Please wait until the update is complete while the engine is on

Bluetooth® Wireless Technology

Before Using the Bluetooth Handsfree

What is Bluetooth Wireless Technology?

- Bluetooth Wireless Technology refers to a short-distance wireless networking technology which uses a 2.45GHz frequency to connect various devices within a certain distance.
- Supported within PCs, external devices, Bluetooth phones, PDAs, various electronic devices, and automotive environments, Bluetooth Wireless Technology to be transmitted at high speeds without having to use a connector cable.
- Bluetooth Handsfree refers to a device which allows the user to conveniently make phone calls with Bluetooth mobile phones through the system.
- The Bluetooth Handsfree feature may not be supported in some mobile phones.

Precautions for Safe Driving

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

Cautions upon Connecting Bluetooth Phone

- Before connecting the head unit with the mobile phone, check to see that the mobile phone supports Bluetooth features.
- If you do not want automatic connection with your Bluetooth device, turn the Bluetooth feature off of the Bluetooth device.

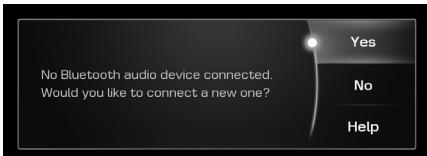
Bluetooth® Wireless Technology

Pairing and connecting the unit and a Bluetooth phone

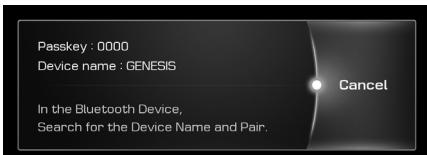
To use the Bluetooth feature, make sure the Bluetooth on your phone is turned on. Refer to your phone's user guide.

When no phones have been paired

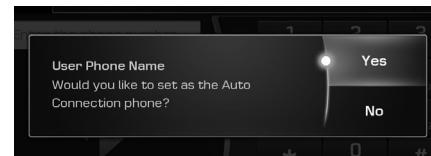
1. Press "PHONE" on the remote control for head unit or "📞" on the steering wheel remote control.
2. Press [Yes] to search for Bluetooth phones.



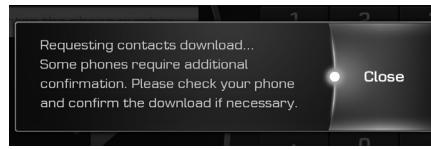
- [No]: Cancels Bluetooth connection.
- [Help]: Views the E-Manual related to pairing and connecting Bluetooth devices, and using Handsfree related features.



3. In your phone, initiate a search for Bluetooth devices. (The default device name is GENESIS)
4. 1) If the SSP (Secure Simple Pairing) is not supported, input the passkey on your Bluetooth device. (The default passkey is 0000)
2) If the SSP (Secure Simple Pairing) is supported, press [Yes] on the pop-up screen of your Bluetooth device. (The pop-up screen may differ from the actual information of the Bluetooth device.)
5. Press [Yes] to connect automatically the unit and a Bluetooth phone preferentially after ignition switch is in ON position.



When you approve in the mobile phone, the mobile phone contacts and the latest call list are downloaded.



6. When your phone is successfully connected, the phone screen is displayed on the screen. When the connection fails, failure message is displayed on the screen.



<Phone screen>

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

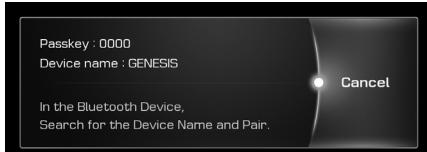
Bluetooth® Wireless Technology

When a phone is already paired

1. Press [HOME] > [Settings] > [Bluetooth] > [Bluetooth connection].

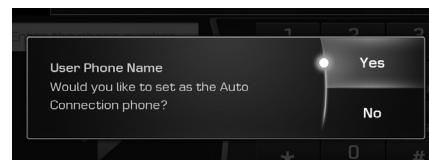


2. 1) Select the device you want to connect.
2) If there is no device you want to connect, press [New device].

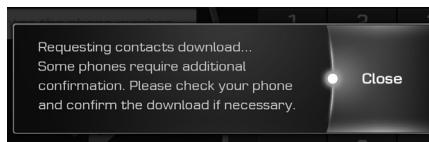


3. In your phone, initiate a search for Bluetooth devices. (The default device name is GENESIS.)
4. 1) If the SSP (Secure Simple Pairing) is not supported, input the passkey on your Bluetooth device. (The default passkey is 0000.)

- 2) If the SSP (Secure Simple Pairing) is supported, press [Yes] on the pop-up screen of your Bluetooth device. (The pop-up screen may differ from the actual information of the Bluetooth device.)
5. Press [Yes] to connect automatically the unit and a Bluetooth phone preferentially after ignition switch is in ON position.



When you approve in the mobile phone, the mobile phone contacts and the latest call list are downloaded.



6. When your phone is successfully connected, the Bluetooth settings screen is displayed on the screen. When the connection fails, failure message is displayed on the screen.



<Bluetooth settings screen>

Note

- For safety reasons, pairing a Bluetooth phone is not possible when the vehicle is in motion. Park the vehicle in a safe location to pair a Bluetooth phone. It is possible to pair up to 5 mobile phones. In order to pair a new phone when there are already 5 mobile phones paired, you must first delete one of the previously paired phones.
- Some functions may not be supported due to limited Bluetooth compatibility between the car system and mobile phone.
- When a Bluetooth device is connected, new device cannot be paired. If you want to pair a new phone, first disconnect the connected Bluetooth device.

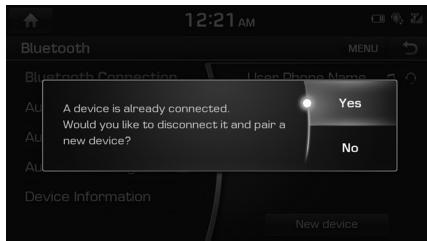
Bluetooth® Wireless Technology

Disconnecting the connected phone

1. Press [MENU] > [Connection settings] > [Bluetooth connection] on the phone screen.



2. Select the connected phone.



3. Press [YES].

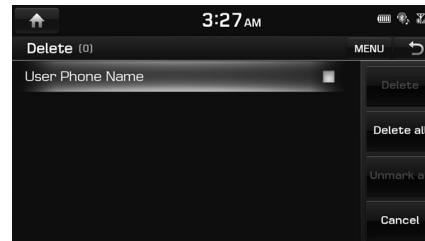
! Note

If you want to connect the disconnected phone again, select the disconnected phone.

Deleting Bluetooth Devices

If you no longer need to use a phone, you can delete the Bluetooth devices. Note that deleting a Bluetooth device will delete all call history and contact entries.

1. Press [MENU] > [Connection settings].
2. Press [MENU] > [Delete] on the Bluetooth settings screen.



3. Select the phone you want to delete and press [Delete].
 - [Delete all]: Deletes all the items.
 - [Unmark all]: Unmarks all the items.
 - [Cancel]: Cancels the delete function.
4. Press [Yes] on the pop-up screen.

Making a call by entering phone number

Connect your unit and Bluetooth phone before making a call.

1. Enter the phone number using the keypad on the phone screen.
2. Press [*C*] on the phone screen or "*C*" on the steering wheel remote control.

! Note

If you press the wrong number, press [*⬅*] to delete the inputted number one digit at a time.

Making a call by redialing

Press and hold [*C*] on the phone screen or "*C*" on the steering wheel remote control.

! Note

Redialing is not possible when there is no dialed call history.

Bluetooth® Wireless Technology

Making a call with speed dial numbers

Press and hold speed dial number using the keypad on the phone screen.

Only speed dial numbers already saved on the mobile phone can be used for speed dial calls. Up to 2-digit speed dial numbers are supported.

Note

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

Answering/Rejecting a call

1. If there is an incoming call, a popup message will appear.
2. Press [Accept] to answer the call.



To reject a call, select [Reject].

Note

- If the Call-ID service is available, the caller's phone number is displayed.
- If caller's phone number is saved in the phone book, the caller's name is displayed on the unit.
- Upon receiving a call, the [Reject] function may not be supported in some mobile phones.

Switching call to the mobile phone

1. If you want to switch the call to the mobile phone while talking on the car handsfree, press [Use priv.].

As shown below, the call is switched to the mobile phone.



2. If you want to switch the call to the car handsfree while talking on the mobile phone, press [Use Handsfree].

The call is switched to the car handsfree.

Ending a call

1. To end a call, press [End] on the phone screen or " End" on the steering wheel remote control.
2. The call is ended.

Bluetooth® Wireless Technology

Using the menu during a phone call

When making a call, you can use the following menu items.



Position	Description
1 Contacts	Displays the Contacts list.
2 Mic volume	Displays the Mic Volume settings. You can adjust the in-call volume that the other party hears (level 1 - 5).
3 Mic On/Off	Turns the Mic On/Off.
4 Keypad	Moves to a screen for entering ARS numbers.

Call history

Making a call from call history

1. Press [6] on the phone screen.



2. Press [Received call], [Dialed call], or [Missed call].
 - [Received call]: Displays the incoming call history list.
 - [Dialed call]: Displays the outgoing call history list.
 - [Missed call]: Displays the missed call history list.
3. Press the entry you want to call.

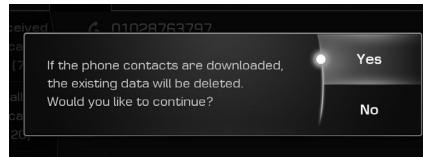
Note

The call history may not be saved in the call history list in some mobile phones.

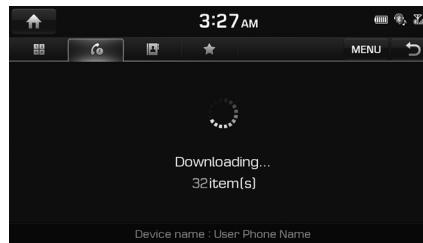
Downloading call history

You can download the call history information from your mobile phone.

1. Press [6] > [MENU] > [Download] on the phone screen.



2. Press [Yes].



Note

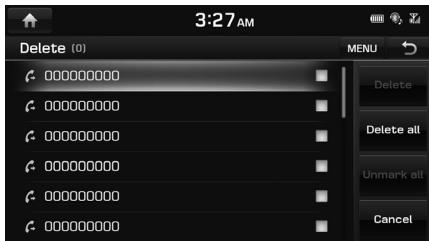
- Up to 20 received, dialled, and missed call history lists can be downloaded.
- The download feature may not be supported in some mobile phones. Check to see that the Bluetooth device supports the download feature.

Bluetooth® Wireless Technology

Deleting call history

You can delete the items that you select from your call history information.

1. Press [] > [MENU] > [Delete] on the phone screen.



2. Select the item you want to delete and press [Delete].
 - [Delete all]: Deletes all the items.
 - [Unmark all]: Unmarks all the items.
 - [Cancel]: Cancels the delete function.

Note

Press [] > [MENU] > [Clear Call History] on the phone screen to delete all the call history.

Contacts

1. Press [] on the phone screen.
The contacts is displayed on the screen.



<Contacts screen>

2. Select the contact you want to call from the list of contacts.

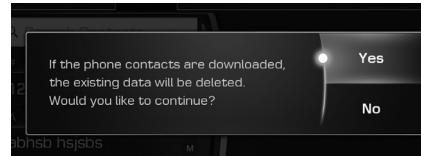


3. Press the phone number to make a call.

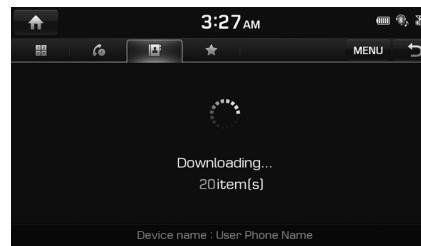
Downloading mobile phone contacts

Up to 5,000 mobile phone contacts can be downloaded.

1. Press [] > [MENU] > [Download] on the phone screen.



2. Press [Yes].



The present phone book is deleted and phone book of connected phone is duplicated.

Note

- Upon downloading mobile phone contacts, the previous data is deleted.
- This feature may not be supported in some mobile phones.

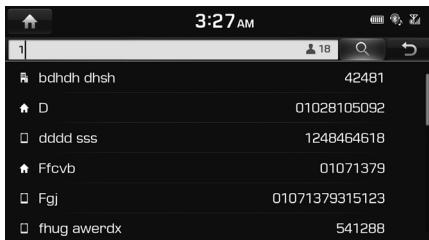
Bluetooth® Wireless Technology

Searching for contacts

1. Press [] > [MENU] > [Search Contacts] on the phone screen.



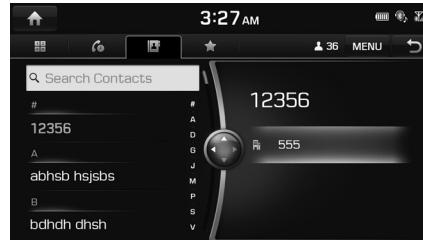
2. Enter the name or phone number, press [].



3. Select the contact you want to call.

Adding as a Favourite

1. Press [] on the phone screen.
The contacts is displayed on the screen.
2. Select the contact from the list of contacts.



3. Press [MENU] > [Add to Favorites] on the phone screen.



Note

Added favourites can be viewed by pressing [] in the phone screen.

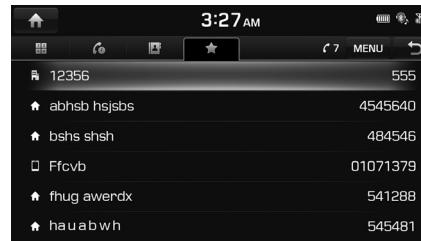
Favourites

Calling Favourites

If the phone number have been already stored in the Favourites, it can be easily called.

First of all, add the phone number in the Favourites. Refer to the "Adding as a Favourite" on the page 84.

1. Press [] on the phone screen.



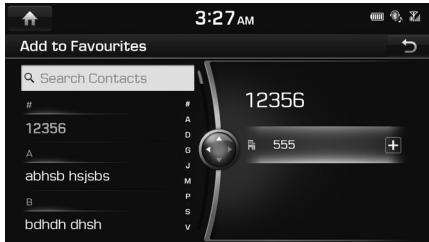
<Favourite screen>

2. Select the desired favourite.

Bluetooth® Wireless Technology

Adding as a Favourite

1. Press [★] on the phone screen.
2. Press [MENU] > [Add new] on the favourites screen.



3. Select the contact from the list of contacts.
4. Press the phone number.

Deleting favourites

1. Press [★] on the phone screen.
2. Press [MENU] > [Delete] on the favourites screen.



3. Select the item you want to delete and press [Delete].
 - [Delete all]: Deletes all the items.
 - [Unmark all]: Unmarks all the items.
 - [Cancel]: Cancels the delete function.

Setting Bluetooth Connection

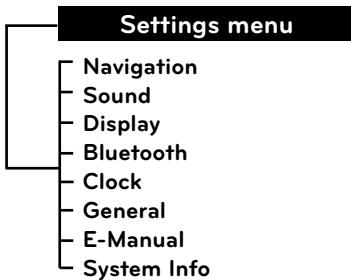
1. Press [■], [●], [□], or [★] on the phone screen.
2. Press [MENU] > [Connection settings] on the favourites screen.



3. For details, refer to the "Bluetooth" on the page 90.

Settings

Settings menu overview



Navigation

This menu describes navigation settings.

General

This menu is used to change general settings.

1. Press [HOME] > [Settings] > [Navigation] > [General]. Or press [NAV] > [Navigation settings] > [General].



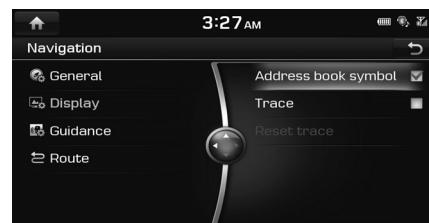
2. Select the desired items.

- [Unit]: Changes the unit between the "km" and "mile".
- [Show previous points]: Changes the previous points view setting when starting the navigation. When the navigation is started without the route planned, a list of previous points can be displayed or not by setting.
- [Auto search for petrol station]: Sets whether to search for petrol station automatically in the case of fuel shortage.
- [Satellite status]: Displays the GPS satellites information.
- [Reset navigation settings]: Resets the navigation settings.

Display

This menu is used to change the display environment settings.

1. Press [HOME] > [Settings] > [Navigation] > [Display]. Or press [NAV] > [Navigation settings] > [Display].



2. Select the desired items.

- [Address book symbol]: Sets whether to display a symbol on the map about the positions saved in address book or not.
- [Trace]: Sets whether to trace the route passed by the vehicle or not.
- [Reset trace]: Resets the trace of the route passed by the vehicle.

Guidance

This menu is used to change the guidance settings.

1. Press [HOME] > [Settings] > [Navigation] > [Guidance]. Or press [NAV] > [Navigation settings] > [Guidance].



2. Select the desired items.

- [Intersection mode]: Sets whether to display the intersection mode or not.
- [Junction view mode]: Sets whether to display the junction view mode or not.

Settings

- [Speed limit]: Sets whether to display the speed limit or not.
- [Dynamic guidance]: Sets whether to execute the dynamic guidance or not.
- [Border crossing info]: Sets whether to inform the border crossing information or not.
- [Enhanced lane guidance]: Sets whether to guide the enhanced lane or not.

Route

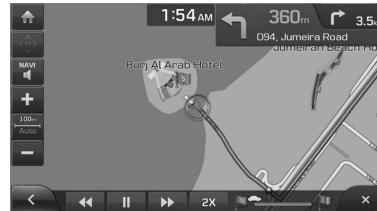
This menu is used to change the route settings.

1. Press [HOME] > [Settings] > [Navigation] > [Route]. Or press [NAV] > [Navigation settings] > [Route].



2. Select the desired items.
 - [Multiple routes]: Sets whether to search for the multiple routes or not.

- [Driving simulation]: Executes the driving simulation.



- [◀]: Move to the previous position.
- [▶]: Move to the next position.
- [II]: Pauses or plays the driving simulation.
- [◀▶]: Quick move to the specific position.
- [X]: Ends the driving simulation.

Sound

This menu describes sound settings.

Volume control

This menu is used to set the volume ratio.

1. Press [HOME] > [Settings] > [Sound] > [Volume control].



2. Select the desired item.
 - [Navigation guidance sound preferred]: Navigation guidance volume is louder than audio volume.
 - [Same volume ratio]: Audio volume and navigation guidance volume are in identical volume.

Settings

Fader/Balance

This menu allows you to set the sound position. For example, you can set the sound close to the driver-seat so that the volume is relatively lower in the passenger or rear seats.

1. Press [HOME] > [Settings] > [Sound] > [Fader/Balance].



2. Adjust the Fader/Balance.

Note

Press [Reset] to restore sound to the center position.

Treble/Middle/Bass

This menu allows you to set the Treble/Middle/Bass.

1. Press [HOME] > [Settings] > [Sound] > [Treble/Middle/Bass].



2. Adjust the Treble/Middle/Bass.

Note

Press [Reset] to restore sound to the center position.

Surround effect

This menu allows you to turn the surround effect on/off.

1. Press [HOME] > [Settings] > [Sound] > [Surround effect].



VIP Sound

This menu allows you to optimize the sound for the VIP seat.

1. Press [HOME] > [Settings] > [Sound] > [VIP Sound].



Settings

Speed Dependent Vol.

This menu allows you to control automatically the audio volume according to the speed of the vehicle.

Press [HOME] > [Settings] > [Sound] > [Speed Dependent Vol.].



Touch Tone

This menu allows you to play a beep sound whenever you operate the touch screen.

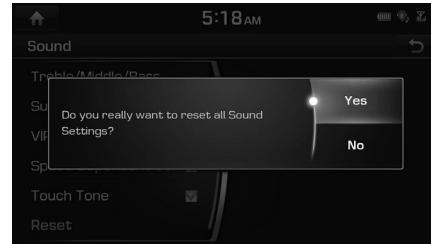
Press [HOME] > [Settings] > [Sound] > [Touch Tone].



Reset

This menu is used to reset all [Sound] settings.

1. Press [HOME] > [Settings] > [Sound] > [Reset].



2. Press [Yes].

Display

This menu describes display settings.

Set Video image

The screen ratio can be set in video modes, such as DVD, VCD, Jukebox video, USB video, or AUX video.

1. Press [MENU] > [Display Settings] > [Set Video image].



2. Select the desired options.

- [Brightness]: Adjusts the brightness.
- [Contrast]: Adjusts the contrast.
- [Saturation]: Adjusts the saturation.

Settings

Set LCD Brightness

This menu is used to set the LCD brightness.

1. Press [HOME] > [Settings] > [Display] > [Set LCD Brightness].



2. Adjust the LCD Brightness.

- [LCD Brightness] or [Front Seat LCD Brightness]: Adjusts the Front Seat LCD Brightness.
- [Rear Seat LCD Brightness]: Adjusts the Rear Seat LCD Brightness. (Option)
- [Reset]: Resets the LCD Brightness.

Illumination Settings

This menu is used to set the screen brightness by illumination.

1. Press [HOME] > [Settings] > [Display] > [Illumination Settings].



2. Select the desired options.

- [Auto-illumination]: Adjusts the brightness automatically according to surrounding brightness.
- [Daylight]: Always keeps the brightness on high regardless of surrounding brightness.
- [Night]: Always keeps the brightness on low regardless of surrounding brightness.

Ratio

The screen ratio can be set in video modes, such as DVD, VCD, Jukebox video, USB video, or AUX video.

1. Press [HOME] > [Settings] > [Display] > [Ratio].



2. Select the desired option.

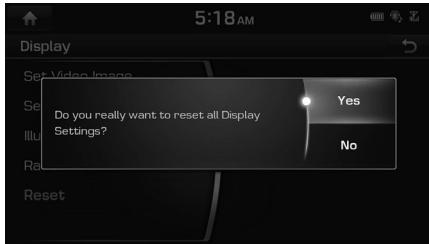
- [Full display]: Displays the full screen.
- [Normal View]: Displays the 4:3 screen with the black bar appeared at the left and right side.

Settings

Reset

This menu is used to reset all [Display] settings.

1. Press [HOME] > [Settings] > [Display] > [Reset].



2. Press [Yes].

Bluetooth

This menu describes Bluetooth settings.

Bluetooth connection

This menu is used to pair and connect the head unit and a Bluetooth phone.

1. Press [HOME] > [Settings] > [Bluetooth] > [Bluetooth connection].



2. Follow the steps 2-6 of the "When a phone is already paired" on the page 78.

Auto connection priority

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

1. Press [HOME] > [Settings] > [Bluetooth] > [Auto connection priority].



2. Press the desired item.

! Note

If there is no phone selected, the previously connected phone will be automatically connected. If there are no previously connected phones, the system will try to connect to devices in the list in order.

Settings

Auto download

When the Bluetooth device is connected, contacts and call history are automatically downloaded to the vehicle. This function can be disabled if you don't want to use it. Some mobile phones may not support this function.

1. Press [HOME] > [Settings] > [Bluetooth] > [Auto download].



2. Press the desired item.
 - [Call log]: Downloads call history saved in your phone.
 - [Contacts]: Downloads contacts saved in your phone.

Audio Streaming

When audio streaming is set, you can play the music stored on a mobile device. When this setting is off, Audio Streaming is not available. Some mobile phones may not support this function.

- Press [HOME] > [Settings] > [Bluetooth] > [Audio Streaming].



Device Information

This menu allows you to control additional Bluetooth® Wireless Technology related settings.

1. Press [HOME] > [Settings] > [Bluetooth] > [Device Information].

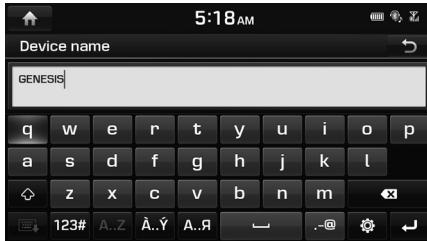


2. Press the desired item.
 - [Device name]: Changes the Bluetooth device name of the vehicle.
 - [Passkey]: Changes the passkey required to connect a Bluetooth® device to the car.
 - [Reset]: Deletes all paired devices and resets the bluetooth settings.

Settings

Device name

1. Press [HOME] > [Settings] > [Bluetooth] > [Device Information] > [Device name].



2. Input the desired name using the keypad, then press [].

Note

The default device name is set to GENESIS.

Passkey

1. Press [HOME] > [Settings] > [Bluetooth] > [Device Information] > [Passkey].



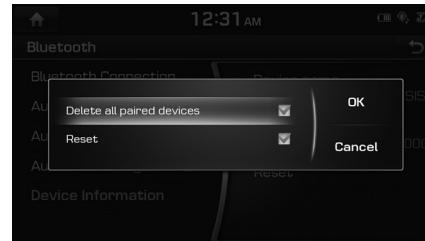
2. Input the passkey using the keypad.

Note

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

Reset

1. Press [HOME] > [Settings] > [Bluetooth] > [Device Information] > [Reset].



2. Press the desired items.

- [Delete all paired devices]: Deletes all paired devices.
- [Reset]: Resets the bluetooth settings.

3. Press [OK].

Clock

This menu describes clock settings.

GPS time

This menu is used to display time according to the received GPS time.

Press [HOME] > [Settings] > [Clock] > [GPS time].



Note

When the GPS Time is turned off, you can set the clock manually.

Settings

Time Settings

1. Press [HOME] > [Settings] > [Clock] > [Time Settings].



2. Set the time, then press [OK].

! Note

- Time settings cannot be used when GPS time is set. To manually set the time, change [GPS Time] setting to off, and set the time.
- The default settings of [Daylight Savings Time] is set to off.

Daylight Savings Time

This menu is used to turn on/off daylight saving time feature.

- Press [HOME] > [Settings] > [Clock] > [Daylight Savings Time].



! Note

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

Clock Type

This menu is used to set the type of clock displayed when the system power is turned off.

1. Press [HOME] > [Settings] > [Clock] > [Clock Type].



2. Select [Digital] or [Analogue].

Settings

Time Format

This function is used to convert the digital clock display between 12 hour/24 hour systems.

1. Press [HOME] > [Settings] > [Clock] > [Time Format].



2. Select [12 Hr] or [24 Hr].

General

Language

1. Press [HOME] > [Settings] > [General] > [Language].



2. Select the desired language.

Keyboard

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

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

1. Press [HOME] > [Settings] > [General] > [Keyboard].



2. Press [Arabic Keyboard], [English Keyboard] or [Default keyboard].

Item	Description	
Arabic keyboard	Type 1	Select the keyboard of the desired type.
	Type 2	
English keyboard	QWERTY	Keyboard similar to the one used within a computer
	ABCD	Keyboard with characters arranged in alphabetical order
Default keyboard	Select the keyboard of the desired type by default.	

Settings

Frame

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

1. Press [HOME] > [Settings] > [General] > [Frame].



2. Press the desired item.
 - [None]: No image is displayed.
 - [Clock]: Displays the clock on the screen.

Agreement Screen

It sets the Agreement Screen displayed during the system booting to automatically disappear after 5 seconds.

1. Press [HOME] > [Settings] > [General] > [Agreement Screen].



Note

For safety, set the Agreement Screen setting to OFF.

Rear Section Control (Option)

This menu is used to turn the screen for rear seat on/off or to lock the function for rear seat.

1. Press [HOME] > [Settings] > [General] > [Rear Section Control].



2. Press the desired item.

- [Display]: Select [On] or [Off] to turn the screen for rear seat on/off.
- [Lock Rear Controls]: Locks or unlocks the function for rear seat.

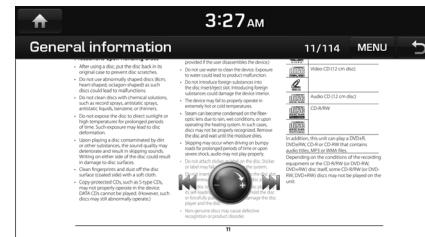
E-Manual

You can see the E-Manual.

1. Press [HOME] > [Settings] > [E-Manual].



2. Press the desired item.



<E-Manual screen>

Settings

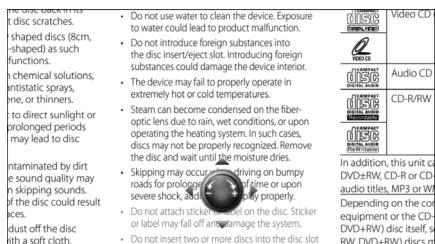
Skip

You can see the previous or next page.

Push the controller to the left or right.

Zoom In/Out

In the electronic manual screen, if you turn the controller left/right, you can enlarge/reduce, and if you push the controller up/down/left/right, you can move it to the up/down/left/right.



Search

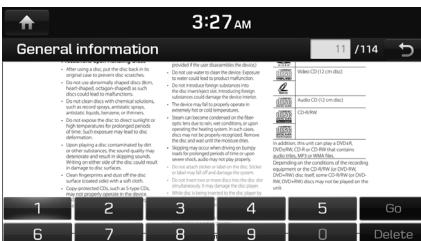
1. Press [MENU] > [Search] on the E-Manual screen.



2. Input the desired text and press [].

Go to page

1. Press [MENU] > [Go to page] on the E-Manual screen.



2. Input the desired page number and press [Go].

System Info

Version

This menu option allows you to view the system information.

Press [HOME] > [Settings] > [System Info] > [Version]



Note

The software information may differ from the actual information of the vehicle.

Settings

Jukebox Info

This menu is used to display the capacity of the stored information on the Jukebox.

1. Press [HOME] > [Settings] > [System Info] > [Jukebox Info].



2. Press [Format] to delete all data stored on the Jukebox.

Update

For system's software security, new function addition, and map update, you need an update. The latest map and software file can be downloaded from the web site <http://www.hyundai-mnsoft.com>, and you can update through USB or SD card. For details about update, check out the web site before proceeding.

1. Press [HOME] > [Settings] > [System Info] > [Update].



2. After inserting the USB with the update file, press [Update].

Once updating is complete, the system will automatically restart.

Note

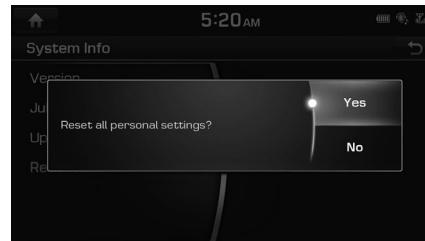
- This product requires regular updates for software corrections, new functions and map updates. Updating may require up to 1 hour depending on the data size.
- Turning off the power or ejecting the USB during the update process may result in data loss. Make sure to keep the ignition on and wait until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

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

Reset All

This menu is used to reset all settings specified by the user.

1. Press [HOME] > [Settings] > [System Info] > [Reset All].



2. Press [Yes].

Using rear camera - Option

About Rear Camera

- Rear camera is an option for the customers who selected the option.
- In this instrument, for the safety of the user, a rear camera that can secure the rear view during the backward driving is connected.
- After the vehicle is started, if the transmission lever is put to R, the rear camera power is automatically turned on, and the rear camera starts operation.
- If you change the transmission lever location from R to another position, rear camera stops.



Note

Rear camera has an optical lens to secure wide view, so there is a little difference in the distance shown on the screen. For safety, make sure to check the rear, left, and right view by yourself.

Turning on the rear camera

1. When the vehicle is started, put the transmission lever to R position.

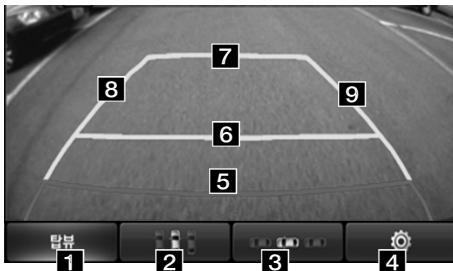


Using PGS (Parking Guide System) - Option

About PGS (Parking Guide System)

- PGS (Parking Guide System) is an option for the customers who selected the option.
- In this instrument, for the safe parking of the user, a parking guide system which is displayed when gear is at R position is installed.
- After the vehicle is started, if the transmission lever is put to R, the PGS (Parking Guide System) starts automatically operation.
- If the transmission lever is changed from R to another position, PGS (Parking Guide System) operation stops.

PGS screen



- [Top View]/[Normal View]: It changes the rear viewing angle shown through the camera.
- : It moves to garage parking mode.
- : It moves to parallel parking mode.
- : It moves to [Voice parking guidance], [Guideline Display], [Sync Guidelines with Steering] setting screen.
- Red line: 0.5m from the rear bumper of the vehicle
- Yellow line 1: 1.0m from the rear bumper of the vehicle
- Yellow line 2: 3.0m from the rear bumper of the vehicle
- Yellow line 3: The tracking path of the vehicle's driver seat side wheel
- Yellow line 4: The tracking path of the vehicle's front passenger seat side wheel

Garage parking

The garage parking 1st step driving path tracking marking is as follows.



- Red line: 0.5m from vehicle's rear bumper
- Yellow line: 3.0m from vehicle's rear bumper
- Green line: 6.0m from vehicle's rear bumper

Note

- If you press , it moves to the previous screen.
- If the vehicle speed exceeds about 10 km/h, it displays the path synchronized with the steering and the straight backward path as in the initial operation mode.

Using PGS (Parking Guide System) - Option

Garage parking is composed of 2 steps.

- 1st step

It is the step when the driver moves the vehicle for garage parking, stops at an adequate location, presses [], and adjusts the steering wheel to the parking space.

As in the following figure, the driver adjusts the steering wheel to the parking space direction, and when the backward driving starts, (after having vehicle speed) it moves to the next step after a few seconds.

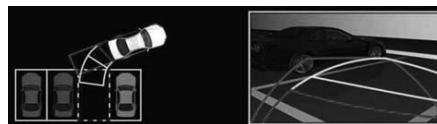


- 2nd step

It displays the path synchronized with the steering and the straight backward path as in the initial operation mode.

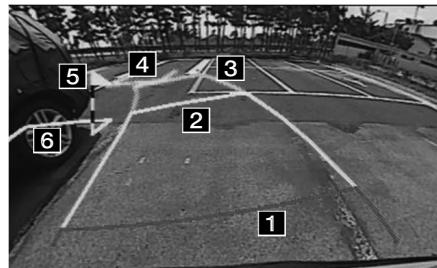
Maintain the steering wheel angle adjusted in the previous step, move to the front of the parking space, and the driver locates the vehicle parallel in the parking space considering the surrounding conditions. If the steering is adjusted to the neutral

position, the garage parking guide ends, and it returns to the initial operation mode. The path synchronized with steering in step 2 is the same as page 101 "Normal view".



Parallel parking

Guideline synchronized with steering in the parallel parking mode is as follows.



1 Red line: about 0.5m from vehicle's rear bumper

2 Yellow line: about 3m from vehicle's rear bumper

3 Green line: about 6m from vehicle's rear bumper

4 Green line: expected space of the parked vehicle in the parallel parking

5 Flag: supplementary tool to adjust the starting location of the vehicle during the parallel parking (end of the bumper of the parked vehicle)

6 Yellow line: area of another vehicle already parked

! Note

There is a little difference in the distance shown on the screen and the actual distance. For safety, make sure to check the rear, left, and right view by yourself.

Using PGS (Parking Guide System) - Option

Parallel parking is composed of 3 steps.

- 1st step

In PGS screen, press [].



The driver stops the vehicle so that the parallel line matches the parking space, and the blue line at the rear part of the front vehicle meets the red line. When you adjust the steering wheel to the parking space direction, only the corresponding guideline is displayed. The parking guide line blinks until the green guideline synchronized with steering matches the green parking space line. To stop the blinking, adjust the steering wheel within certain angle, and if you start backward driving, it moves to the next step.

- 2nd step



If the vehicle starts to move backward maintaining the steering angle suggested in

the previous step, the green guide line (①) is displayed as in the 2nd step figure.

The driver moves the vehicle backward until the inner guide line of the parking space (②) matches the green guide line.

At stopped state, if you adjust the steering wheel more than certain angle toward the opposite direction, it moves to the last step.

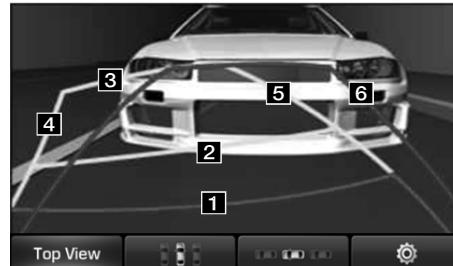
- 3rd step



As in the initial operation mode, it displays the path synchronized with steering and the straight backward path. By considering the surroundings, move the vehicle parallel in the parking space. If you adjust the steering to the neutral position, the parallel parking guide ends and it returns to the initial operation mode.

Normal View

1. In top view screen, if you press [Normal View], it switches to normal view.



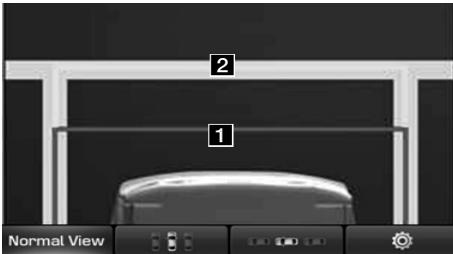
- 1 Red line: 0.5m from vehicle's rear bumper
- 2 Yellow line 1: 1.0m from vehicle's rear bumper
- 3 Yellow line 2: 3.0m from vehicle's rear bumper
- 4 Yellow line 3: vehicle path of the left side wheel in the vehicle's driver seat side
- 5 Yellow line 4: vehicle path of the right side wheel in the vehicle's front passenger seat side
- 6 Blue line: steering neutral path

Using PGS (Parking Guide System) - Option

Top View

1. In normal view screen, if you press [Top View], it switches to top view.

It is the screen looking down the rear direction of the vehicle from above, and the screen composition is as follows.



- 1 Red line: 0.5m from vehicle's rear bumper
- 2 Yellow line: 1.0m from vehicle's rear bumper

Rear view angle conversion

- Top view (top part viewing angle): It provides a viewing angle looking down the rear direction of the vehicle from above.



- Normal view (rear viewing angle): It provides general rear viewing angle with perspective.



PGS setting

If you press button, it moves to 3 types of setting screens.



- [Voice parking guidance]: Sets/releases voice guide function during parking
- [Guideline Display]: Sets/releases expected forward driving path display in mutual steering angle state during the backward driving
- [Sync guidelines with steering]: Sets/releases expected driving path display interfacing the steering angle during the backward driving

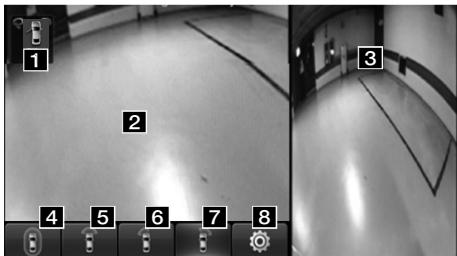
AVM (Around View Monitor) - Option

About AVM (Around View Monitor)

- AVM (Around View Monitor) is an option that is provided to the customers who selected the option.
- Through the 4 cameras installed in the vehicle, it can view front, back, left and right side.
- While vehicle is started, if gear is put to R position, it automatically starts AVM (Around View Monitor).
- If gear is changed from R to P, AVM (Around View Monitor) operation stops.

Operating front AVM

After starting the vehicle, if you press [AVM] after putting gear to N or D, front AVM starts.



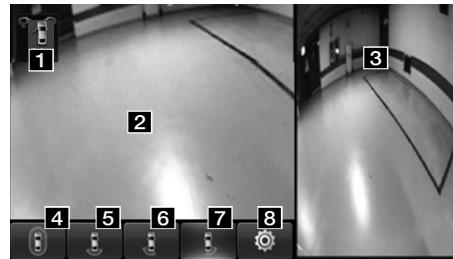
- 1 Warning display: driver seat/front passenger seat door and side mirror, and trunk open status are displayed.
- 2 Front camera screen: screen of the front of the vehicle is displayed through camera
- 3 AVM side camera screen: According to the selected display contents, it displays AVM or left or right side screen.
- 4 (Front + AVM display): It displays vehicle's front screen and all direction (AVM) screens at the same time.
- 5 (Front display): It only displays vehicle's front screen.
- 6 (Front + left side display): It displays the vehicle's front screen and left front screen at the same time.
- 7 (Front + right side display): It displays the vehicle's front screen and right side screen at the same time.
- 8 (AVM setting): It displays AVM setting menu.

Note

While front AVM is running, if you drive at about 20 km/h or more, AVM is turned off. At this state, even if you drive at about 20 km/h or less, AVM is remained at OFF state.

Operating rear AVM

After starting the vehicle, if you put gear at R position, rear AVM starts.



- 1 Warning display: driver seat/front passenger seat door and side mirror, and trunk open status are displayed.
- 2 Rear camera screen: screen of the rear of the vehicle is displayed through camera
- 3 AVM side camera screen: According to the selected display contents, it displays AVM or left or right side screen.
- 4 (Rear + AVM display): It displays vehicle's rear screen and all direction (AVM) screens at the same time.
- 5 (Rear display): It only displays vehicle's rear screen.

AVM (Around View Monitor) - Option

6 (Rear + left side display): It displays the vehicle's rear screen and left rear screen at the same time.

7 (Rear + right side display): It displays the vehicle's rear screen and right rear screen at the same time.

8 (AVM setting): It displays AVM setting menu.

Note

AVM (Around View Monitor) camera has an optical lens to secure wide view, so there is a little difference in the distance shown on the screen. For safety, make sure to check the rear, left, and right view by yourself.

AVM setting

If you press button, it moves to 3 types of setting screens.

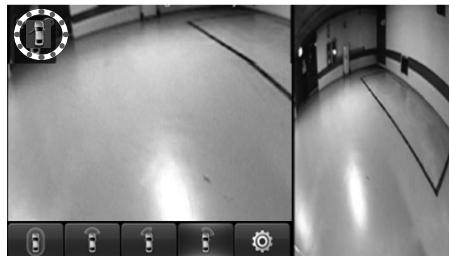


- [General]: It sets/resets guide line steering interface and approaching obstacle warning display function.

- [Front view mode]: It sets the front camera's initial screen as initial view. (Around view, front view, driver seat side front, and front passenger seat side front)

- [Rear view mode]: It sets the rear camera's initial screen as initial view. (Around view, rear view, driver seat side rear, and front passenger seat side rear)

Warning display



Driver's door open indicator

When the driver's door is open, (red color on left door) indicator is displayed on the top left of the screen.

Front passenger's door open indicator

When the front passenger's door is open, (red color on right door) indicator is displayed on the top left of the screen.

Trunk open indicator

When trunk is open, (red color on trunk) indicator is displayed on the top left of the screen.

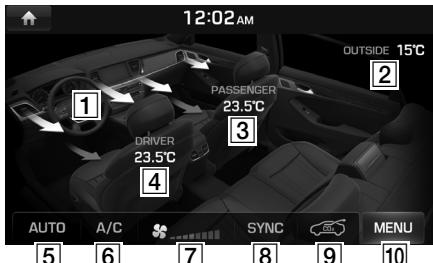
Side mirror folding indicator

When the side mirror is folded, (side mirror) indicator is displayed on the top left of the screen.

Climate Mode

Operating Climate Mode

1. Press the CLIMATE key to display the Climate information screen.



- 1 Blower direction: It displays the set blower direction.
- 2 Outside temperature: It displays the current temperature outside the vehicle.
- 3 Front passenger seat set temperature: It displays the set temperature of the front passenger seat.
- 4 Driver seat set temperature: It displays the set driver seat temperature.
- 5 AUTO: It is displayed when AUTO button is selected, and the blower level and cooling/heating are automatically operated according to the set temperature.

6 A/C: It is displayed when A/C button is selected, and air conditioner is operated for vehicle cooling.

7 Blower level: It displays the set blower level

8 SYNC: When SYNC button is selected, front passenger seat temperature is set based on driver seat

9 Excessive indoor CO₂ display: It is displayed when excessive indoor CO₂ is detected.
(If this information is displayed, driving fatigue may occur, so ventilate to circulate indoor air.)

10 MENU: It moves to climate menu screen.

You can turn on/off the functions for Rear Climate Control, Smart Vent, and Auto Defog System.



- Rear Climate Control: Turns Climate Control for the rear seats on or off.
(If the air vent for rear seat is closed, the [Rear Climate Control] menu is deactivated.)

- Smart Vent: When humidity and carbon dioxide levels inside the car increase while Climate Control is turned off, air is automatically expelled to maintain a comfortable environment.

- Auto Defog System: Automatically operates the air conditioner to create a flow of air to clear the windshield.

Note

While other modes (AV, Navigation, etc.) are in operation, if climate operation key is pressed, climate status is displayed at the top part of the screen.

Before thinking there is a product defect

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

The following occurrences are not malfunctions:

- When driving on Y-shaped roads with narrow angles the current position may be displayed in the opposite direction
- Within city streets, the current position may be displayed on the opposite side or on an off-road position
- When changing the zoom level from maximum to a different level, the current position may become displayed on a different road
- If the vehicle is loaded onto a ferry or a car transport vehicle, the current position may become stalled on the last position prior to loading
- When driving on a spiral-shaped road
- When driving in mountain regions with sharp turns or sudden brakes
- When entering a road after passing an underground parking structure, building parking structure, or roads with many rotations

- When driving in heavy traffic with frequent starts and stops
- When driving under slippery conditions, such as heavy sand, snow, etc.
- When driving on spiral-shaped roads
- When the tires have recently been replaced (Especially upon use of spare or studless tires).
- When using tires of improper size
- When the tire pressure for the 4 tires are different
- When the replacement tire is worn or used (Especially studless tires having passed a second season).
- When driving near high-rise buildings
- When a roof carrier has been installed
- When a long distance route is calculated while driving on an expressway, in such cases, continued driving will automatically enable the system to conduct map matching or use updated GPS information to provide the current position (In such cases, up to several minutes may be required)

Correct route guidance may not occur due to search conditions or driving position. The following occurrences are not malfunctions:

- Guidance to go straight may be given while driving on a straight road
- Guidance may not be given even when having turned at an intersection
- There are certain intersections in which guidance may not occur
- A route guidance signaling for a u-turn may occur in some No u-turn intersections
- Route guidance signaling entrance into a No-entry zone may occur (No-entry zone, road under construction, etc.)
- Guidance may be given to a position that is not the actual destination if roads to reach the actual destination do not exist or are too narrow
- Faulty voice guidance may be given if the vehicle breaks away from the designated route. (e.g. if a turn is made at an intersection while the navigation provided guidance to go straight.)

Before thinking there is a product defect

**These situations may occur after
conducting route calculation. The
following occurrences are not
malfunctions:**

- Guidance may be given to a position differing from the current position when turning at an intersection
- When driving in high speeds, route recalculation may take a longer period of time
- Route guidance signaling for a u-turn may occur in some No u-turn intersections
- Route guidance signaling entrance into No-entry zone may occur. (No-entry zone, road under construction, etc.)
- Guidance may be given to a position removed from the actual destination if roads to reach the actual destination do not exist or are too narrow
- Faulty voice guidance may be given if the vehicle breaks away from the designated route (e.g. If a turn is made at an intersection while the navigation provided guidance to go straight.)

Before thinking the product has malfunctioned

1. Errors which occur during the operation or installation of the device may be mistaken as a malfunction of the actual device.
2. If you are having problems with the device, try the suggestions listed below.
3. If the problems persist, contact your 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	<ul style="list-style-type: none">• Has the Switch for the vehicle been turned to [ACC] or [ON]?• Has the SYSTEM been turned OFF?
The screen is being displayed but sound is not working	<ul style="list-style-type: none">• Has the volume been set to a low level?• Has the volume been muted?
When the power is turned on, the corners of the screen are dark	<ul style="list-style-type: none">• The display appearing somewhat dark after prolonged periods of use is normal with LCD panels. It is not a malfunction.• If the screen is very dark, contact your nearest dealer for assistance.
Sound is working from only one speaker	Are the positions of Fader or Balance sound controls adjusted to only one side?
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 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. <ul style="list-style-type: none">• 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	Countermeasure
The power does not turn on.	The fuse is disconnected.	<ul style="list-style-type: none">Replace with a suitable fuse.If the fuse is disconnected again, please contact your point of purchase or service center.
	Device is not properly connected.	Check to see that the device has been properly connected.
The system does not play.	The disc has not been inserted or has been inserted upside down.	Insert the disc properly so that the sides are facing the correct direct.
	The disc has been contaminated.	Wipe away dirt and other foreign substances from the disc.
	The vehicle battery is low.	Charge the battery if the problem persists, contact your point of purchase or service center.
	A disc not supported by the device has been inserted.	Insert a disc which is supported by the device.
The image color/tone quality is low.	The brightness, saturation, and contrast levels are not set properly.	Properly adjust the brightness, saturation, and contrast levels through Display Setup.
Sound does not work.	The volume level is set to the lowest level.	Adjust the volume level.
	The connection is not proper.	Check to see that the device has been properly connected.
	The device is currently fast-forwarding, rewinding, scanning, or playing in slow mode.	The sound will not work when the device is fast-forwarding, rewinding, scanning, or playing in slow mode.

Troubleshooting

Problem	Possible Cause	Countermeasure
The sound or image quality is low.	The disc is dirty or scratched.	Wipe off water or dirt from the disc. Do not use a disc which has been scratched.
	Vibration is occurring from where the conversion switch has been installed.	The sound may be short circuited and the image distorted if the device vibrates.
	Image color/tone quality is low.	The device will return to normal once vibrations stop.
The USB does not work	USB memory is damaged.	Please use after formatting the USB into FAT 12/16/32 format.
	USB memory has been contaminated.	Remove any foreign substances on the contact surface of the USB memory and multimedia terminal.
	A separately purchased USB HUB is being used.	Directly connect the USB memory with the multimedia terminal on the vehicle.
	A USB extension cable is being used.	Directly connect the USB memory with the multimedia terminal on the vehicle.
	A USB which is not a Metal Cover Type USB Memory is being used.	Use standard USB Memory.
	An HDD type, CF, SD Memory is being used.	Use standard USB Memory.
	There are no music files which can be played.	Only MP3, WMA file formats are supported. Please use only the supported music file formats.
The iPod is not recognized even though it has been connected	There are no titles which can be played.	Use iTunes to download and save MP3 files into the iPod.
	The iPod firmware version has not been properly updated.	Use iTunes to update the firmware version and reconnect the iPod with the device.
	The iPod devie does not recognize downloads.	Reset the iPod and reconnect with the device.

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Specification

Common	Power Supply	DC 14.4 V
	Operating Power	DC 9 V ~ DC 16 V
	Current Consumption	Maximum 5 A
	Dark Current	Maximum1 mA
	Operating Temperature	-20 °C ~ +70 °C
	Storage Temperature	-40 °C ~ +85 °C
	Dimensions (Head unit)	274.82 (W) x 108.38 (H) X 202.26 (D) mm
	Weight (Head unit)	2.7 kg
	Supported Profile	HFP(1.6), A2DP : (1.2) , AVRCP (1.3)
Bluetooth	Supported Bluetooth Specification	3.0
	Frequency Range	2402 MHz ~ 2480 MHz
	Output (Class2)	1.0 dBm
	Number of Channels	79

Radio	AM	
	Tuning range	522 kHz ~ 1620 kHz
	Sensitivity	35 dBuV
	Frequency response	30 Hz ~ 10000 Hz
	Signal-to-noise ratio	Minimum 45 dB
CD/DVD	FM	
	Tuning range	87.50 MHz ~ 108.00 MHz
	Sensitivity	12 dBuV
	Frequency response	30 Hz ~ 10000 Hz
	Signal-to-noise ratio	Minimum 50 dB
CD/DVD	FORMAT	CD-DA, CD-R, CD-RW, MP3, DVD (12 cm disc only)
	Interface	Serial (TAB2)
	Signal-to-noise ratio	Minimum 70 dB
	Frequency response	20 Hz ~ 20 kHz (± 3 dB)
	Distortion ratio	0.03%

Specification

TFT-LCD	Screen Size	233.95mm (9.2 inches) 204 (W) x 114.72 (H) mm (Active area)
	Resolution	921,600 pixel
	Operating Method	TFT (Thin Film Transistor) Active Matrix, In Plane Switching (IPS),
	Viewing Angle	Viewing Angle free (R/L 178(Min), U/D 178(Min.))
	Internal Lighting	LED

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Model Number/Range	LND2000

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- handset-sound-theme

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- Lightfeather 3D Engine (0.9.0)

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