

■ CD Player :

AC1B1C2AN,AC1B1C2KN,AC1B1C2AX,  
AC2B0C2AN,AC2B0C2KN,AC2B0C2AX



\*No **HD Radio** logo will be shown if the **HD Radio™** feature is not supported.

## SYSTEM CONTROLLERS AND FUNCTIONS

### Audio Head Unit



1. **EJECT** (EJECT)
  - Ejects the disc.

2. **RADIO**
  - **Convert to Radio mode.**
  - Each time the key is pressed, the mode is changed in order of FM1→FM2→AM.

3. **MEDIA**
  - **Convert to Media Mode**
  - Each time the key is pressed, the mode is changed in order of CD, USB(iPod) AUX, My Music, BT Audio.

4. **PHONE** (for *Bluetooth*<sup>®</sup> Wireless Technology equipped model)
  - Converts to Phone mode
  - ※ When a phone is not connected, the connection screen is displayed.

5. **PWR/VOL knob**
  - **Power** : Press to turn power on/off.
  - **Volume** : Turn left/right to control volume.

6. **SEEK TRACK**
  - When pressed shortly (under 0.8 seconds)
    - Radio mode : plays previous/next frequency.
    - Media (CD/USB/iPod/My Music) modes : changes the track, Song(file)
  - When pressed and held (Over 0.8 seconds)
    - Radio mode : continuously changes the frequency. Upon release, plays the current frequency.
    - Media (CD/USB/iPod/My Music) modes : rewinds or fast forwards the track or file
    - During a Handsfree call, controls the call volume.



8. **DISP**

- Turns the monitor display on/off.

9. **MUTE**

- **AUDIO MUTE**

10. **SCAN**

- Radio Mode : previews all receivable broadcasts for 5 seconds each
- Media (CD/USB/My Music) modes : previews each song (file) for 10 seconds each.

11. **SETUP**

Converts to Setup mode.

12. **TUNE knob**

- Radio mode : turn to change broadcast frequencies.
- Media (CD/USB/iPod/My Music) modes : turn to search tracks/channels/files.



13. **DISC-IN LED**

- LED that indicates whether a disc is inserted.

14. **RESET**

- Forced system termination and system restart.

### Steering remote controller



#### 1. VOLUME

- Used to control volume.

#### 2. MUTE

- Mutes audio volume.

#### 3. SEEK

- When pressed shortly (under 0.8 seconds)
  - Radio mode : searches broadcast frequencies saved to presets.
  - Media (CD/USB/iPod/My Music/BT Audio) modes : changes the track, file or chapter.
- When pressed and held (over 0.8 seconds)
  - Radio mode, automatically searches broadcast frequencies and channels
  - Media (CD/USB/iPod/My Music) modes, rewinds or fast forwards the track or song(file)
  - BT Audio mode may not be supported in some mobile phones.

#### 4. MODE

- Each time this key is pressed, the mode is changed in order of FM1→FM2→FMA→AM→AMA→USB or iPod →AUX →My Music→BT Audio
- If the media is not connected or a disc is not inserted, corresponding modes will be disabled.

#### 5.

- When pressed shortly
  - Starts voice recognition
  - When selecting during a voice prompt, stops the prompt and converts to voice command waiting state
- When pressed and held (over 0.8 seconds)
  - Ends voice recognition

6. 

- When pressed shortly
  - When pressed in the phone screen, displays call history screen
  - When pressed in the dial screen, makes a call
  - When pressed in the incoming call screen, answers the call
  - When pressed during call waiting, switches to waiting call (Call Waiting)
- When pressed and held (over 0.8 seconds)
  - When pressed in the *Bluetooth*<sup>®</sup> Wireless Technology Handsfree wait mode, redials the last call
  - When pressed during a *Bluetooth*<sup>®</sup> Wireless Technology Handsfree call, switches call back to mobile phone (Private)
  - When pressed while calling on the mobile phone, switches call back to *Bluetooth*<sup>®</sup> Wireless Technology Handsfree (Operates only when *Bluetooth*<sup>®</sup> Wireless Technology Handsfree is connected)

7. 

- Ends phone call

## RADIO MODE

### Basic Mode Screen



1. Mode Display  
Displays currently operating mode.
2. Frequency  
Displays the current frequency.
3. Preset  
Displays current preset number [1] ~ [6].
4. Preset Display  
Displays preset buttons.
5. Info  
Displays broadcast information.
6. HD ▶  
Changes HD Radio channels.
7. A.store  
Automatically saves frequencies with superior reception to Preset buttons.



## Switching to Radio Mode

Pressing the **RADIO** key will change the operating mode in order of FM1 → FM2 → AM → XM1 → XM2 → XM3

If [Mode Pop up] is turned on within **SETUP** ▶ [Display], then pressing the **RADIO** key will display the Radio Pop-up Mode screen.



Turn the **TUNE** knob to move the focus. Press the knob to select.

## Searching Radio Frequencies

### Using Seek

Press the **SEEK TRACK** key to play the previous/next frequency.

### Using TUNE

Turn the **TUNE** knob to select the desired frequency.

- FM : Increases/decreased by 200kHz
- AM : Increases/decreased by 10kHz

## Using Radio Mode

### Selecting Presets/Saving Presets

Press the **Preset** button to display the broadcast information for the frequency saved to each button.



Press the **1** ~ **6** buttons to play the desired preset.

### \* NOTICE

While listening to a frequency you want to save as a preset, press and hold one of the **1** ~ **6** preset buttons (over 0.8 seconds) to save the current frequency to the selected preset.

### Auto Store

Press the **A.Store** button to automatically save receivable frequencies to Preset buttons.

### \* NOTICE

While Auto Store is operating, pressing the [Cancel] button again will cancel Auto Store and restore the previous frequency.

### Scan

Press the **SCAN** key to preview frequencies with superior reception for 5 seconds each.

Press and hold the **SCAN** key (over 0.8 seconds) to preview presets for 5 seconds each.

### \* NOTICE

- Once scan is complete, the previous frequency will be restored.
- While Scan is operating, pressing the **SCAN** key will cancel the scan operation.

## Listening to HD Radio Stations

HD Radio Technology is a digital radio technology used by AM and FM radio station to transmit audio and data via a digital signal in conjunction with their analog signals.



1. While listening to the radio, the HD Radio icon will become displayed if receiving an HD Radio broadcast.

## Changing HD Radio stations

Press the **HD** button to change HD Radio station

## Viewing Station Information



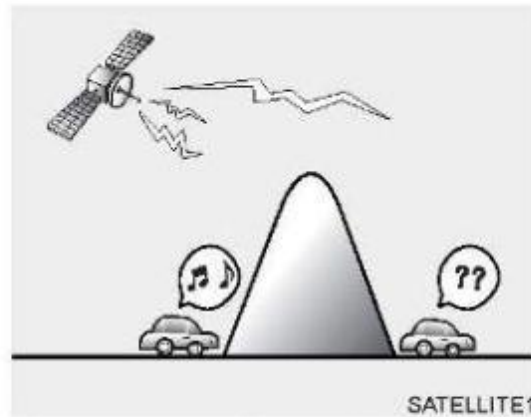
Press the **Info** button to view station information



## XM RADIO MODE

### Features of your vehicle

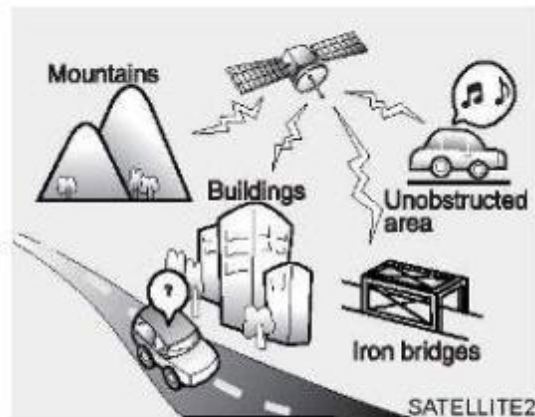
#### Satellite radio reception



You may experience difficulties in receiving XM™ satellite radio signals in the following situations.

- If you are driving in a tunnel or a covered parking area.
- If you are driving beneath the top level of a multi-level freeway.
- If you are driving under a bridge.
- If you are driving next to a tall vehicle (such as a truck or a bus) that blocks the signal.

- If you are driving in a valley where the surrounding hills or peaks block the signal from the satellite.
- If you are driving on a mountain road where the signal is blocked by mountains.



- If you are driving in an area with tall trees that block the signal (30 ft./10m or more), for example on an road that goes through a dense forest.
- The signal can become weak in some areas that are not covered by the XM™ repeater network.

### NOTE:

There may also be additional unforeseen circumstances leading to reception problems with the XM™ satellite radio signal.

Advisory Messages, such as 'CH Unavailable' may occur when starting XM Radio.

## XM RADIO MODE

### Basic Mode Screen



#### 1. Mode Display

Displays currently operating mode

#### 2. Channel Information

Displays the category, channel number, channel name, artist and title information

#### 3. Preset

Displays currently playing preset number [1] ~ [6]

#### 4. Display

Displays saved presets



## Using SEEK

Press the **SEEK TRACK** key to play the previous/next channel.

※ If the "Category" icon is displayed, channels are changed within the current category.

## Using Tune

Turn the **TUNE** knob to select the desired channel.

## SCAN

Press the **SCAN** key to scan all channels with superior reception for 5 seconds each.

Once scan is complete, the previously played channel will be restored.

During Scan, pressing the **SCAN** key again will cancel the scan operation and restore the previously played channel.

If the "Category" icon is displayed, channels are changed within the current category.

## Searching Categories

Select the category by using the **HD/CAT FOLDER** (**CAT FOLDER**) key and press the **TUNE** knob to select.



Channels for the selected category are played.

## Selecting Presets/Saving Presets

Press the **Preset** button to display the broadcast information for the channel saved to each button.



Press the **1** ~ **6** buttons to play the desired preset.

## \* NOTICE

While listening to a channel you want to save as a preset, press and hold one of the **1** ~ **6** preset buttons (over 0.8 seconds) to save the current channel to the selected preset.

**\* NOTICE - USING THE DISCS**

- This device has been manufactured to be compatible with software bearing the following logo marks.
- Do not clean discs with chemical solutions, such as record sprays, antistatic sprays, antistatic liquids, benzene, or thinners.
- After using a disc, put the disc back in its original case to prevent disc scratches.
- Hold discs by their edges or within the center hole to prevent damages to disc surfaces.
- Do not introduce foreign substances into the disc insert/eject slot. Introducing foreign substances could damage the device interior.
- Do not insert two discs simultaneously.
- When using CD-R/CD-RW discs, differences in disc reading and playing times may occur depending on the disc manufacturer, production method and the recording method as used by the user.

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- Clean fingerprints and dust off the disc surface (coated side) with a soft cloth.
- The use of CD-R/CD-RW discs attached with labels may result in disc slot jams or difficulties in disc removal. Such discs may also result in noise while playing.
- Some CD-R/CD-RW discs may not properly operate depending on the disc manufacturer, production method and the record method as used by the user. If problems persist, trying using a different CD as continued use may result in malfunctions.
- The performance of this product may differ depending on the CD-RW Drive Software.
- Copy-protected CDs such as S-type CDs may not function in the device. DATA discs cannot be played. (However, such discs may still operate but will do so abnormally.)

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- Do not use abnormally shaped discs (8cm, heart-shaped, octagon-shaped) as such discs could lead to malfunctions.
- If the disc is straddled on the disc slot without removal for 10 seconds, the disc will automatically be re-inserted into the disc player.
- Only genuine audio CDs are supported. Other discs may result in recognition failure (e.g. copy CD-R, CDs with labels)



## MP3 File Information

### • Supported Audio Formats

File System	ISO 9660 Level 1
	ISO 9660 Level 2
	Romeo / Juliet (128 characters)
Audio Compression	MPEG1 Audio Layer3
	MPEG2 Audio Layer3
	MPEG2.5 Audio Layer3
	Windows Media Audio Ver 7.X & 8.X

※ File formats that do not comply with the above formats may not be properly recognized or play without properly displaying file names or other information.

### • Support for Compressed Files

#### 1. Supported Bitrates (Kbps)

BIT RATE(kbps)	MPEG1	MPEG2	MPEG2.5	WMA
	Layer3	Layer3	Layer3	High Range
32		8	8	48
40		16	16	64
48		24	24	80
56		32	32	96
64		40	40	128
80		48	48	160
96		56	56	192
112		64	64	
128		80	80	
160		96	96	
192		112	112	
224		128	128	
256		144	144	
320		160	160	

#### 2. Sampling Frequencies (Hz)

MPEG1	MPEG2	MPEG2.5	WMA
44100	22050	11025	32000
48000	24000	12000	44100
3000	16000	8000	48000

• For MP3/WMA compression files, differences in sound quality will occur depending on the bitrate. (Higher sound quality can be experienced with higher bitrates.)

• This device only recognizes files with MP3/WMA extensions. Other file extensions may not be properly recognized.

3. Maximum number of recognized folders and files

- Folder : 255 folders for CD, 2,000 folders for USB

- File : 999 files for CD, 6,000 files for USB

※ There are no limitations to the number of recognized folder levels

### • Language Support (Unicode Support)

1. English: 94 characters

2. Special characters and Symbols : 986 characters

※ Languages other than Korean and English (including Chinese) are not included.



4. Text Display (Based on Unicode)
    - File name: Maximum 64 English characters
    - Folder name: Max 32 English characters
- ※ Using the scroll feature allows you to see the entire name of files with names that are too long to be displayed at once.

### • Compatibility by Disc Type

1. Playing MIXED CDs: First plays the audio CD, then plays the compressed file(s).
2. Playing EXTRA CDs: First plays the audio CD, then plays the compressed file(s).
3. Playing multisession CDs: Plays in order of sessions
  - MIXED CD : CD type in which both MP3 and audio CD files are recognized in one disc.
  - Multisession CD CD type that includes more than two sessions. Different from Extra CDs, multisession CDs are recorded by sessions and have no media limitation.

### • Precautions upon Writing CDs

1. In all cases except when creating multisession discs, check the close session option before creating the disc. Though product malfunctions will not occur, some time may be required for the device to check whether the session state is closed (approximately 25 seconds). (Additional time may also be required depending on the number of folders or files.)
2. Changing the MP3/WMA file extensions or changing files of other extensions to MP3/WMA may result in product malfunction.
3. When naming files with MP3/WMA file extensions, write using only Korean and English. (Languages other than Korean and English are not supported and are displayed as blank.)
4. Unauthorized use or duplication of music files are prohibited by law.
5. Prolonged use of CD-R/CD-RW discs that do not satisfy related standards and/or specifications could result in product malfunction.

6. Unauthorized use or duplication of MP3/WMA files is prohibited by law.

## MEDIA MODE

Pressing the **MEDIA** key will change the operating mode in order of CD→USB(iPod)→AUX→My Music → BT Audio.



If [Pop-up Mode] / [Mode Pop-up] is turned on within **SETUP** ▶ [Display], then pressing the **MEDIA** key will display the Media Pop-up Mode screen.

Turn the **TUNE** knob to move the focus. Press the knob to select.

### \* NOTICE

- The media mode pop up screen can be displayed only when there are two or more media modes turned on.

## Title Icon

When a *Bluetooth*<sup>®</sup> Wireless Technology, iPod, USB, or AUX device is connected or a CD is inserted, the corresponding mode icon will be displayed.



Icon	Title
	<i>Bluetooth</i> <sup>®</sup> Wireless Technology
	CD
	iPod
	USB
	AUX

### AUDIO CD MODE

#### Basic Mode Screen



#### 1. Mode

Displays currently operating mode.

#### 2. Operation State

From Repeat/Random(Shuffle)/ Scan, displays the currently operating function.

#### 3. Track Info

Displays information about the current track.

#### 4. Play/Pause

Changes the play/pause state.

#### 5. Play Time

Displays the current play time.

#### 6. Info

Shows detailed information about the current track.

#### 7. Random(Shuffle)

Turns the Random(Shuffle) feature on/off.

#### 8. Repeat

Turns the Repeat feature on/off.

#### 9. List

Moves to the list screen.

## Using Audio CD Mode

### Playing/Pausing CD Tracks

Once an audio CD is inserted, the mode will automatically start and begin playing.



While playing, press the **||** button to pause and press **▶** button to play.

### \* NOTICE

- Only genuine audio CDs are supported. Other discs may result in recognition failure (e.g. copy CD-R, CDs with labels)
- The artist and title information are displayed on the screen if track information is included within the audio CD.

### Changing Tracks

Press the **SEEK TRACK** key to move to the previous or next track.

### \* NOTICE

- Pressing the **SEEK TRACK** key after the track has been playing for 3 seconds will start the current track from the beginning.
- Pressing the **SEEK TRACK** x key before the track has been playing for 3 seconds will start the previous track.

### Selecting from the List

Turn the **TUNE** knob left/right to search for the desired track.



Once you find the desired track, press the **TUNE** knob to start playing.

### Rewinding / Fast-forwarding Tracks

While playing, press and hold the **SEEK TRACK** key (over 0.8 seconds) to rewind or fast-forward the current track.

### Scan

Press the **SCAN** key to play the first 10 seconds of each file.



### Audio CD Mode Menu

Within this mode, you will have access to the Info, Random(Shuffle), Repeat and List features.



#### Info

Press the **Info** button to display details about the current disc.

#### Random(Shuffle)

Press the **Shuffle** button to play tracks in random(Shuffle) order.

Press the **Shuffle** button again to turn the Random(Shuffle) feature off.

- Random(Shuffle): Plays all tracks in random(Shuffle) order.

#### Repeat

Press the **Repeat** button to repeat the current track. Press the button again to turn the repeat feature off.

- Repeat : Repeats the current track.

#### List

Press the **List** button to display the track list screen.



Turn the **TUNE** knob left/right to search for tracks. Once the desired track is displayed, press the knob to select and play.



## MP3 CD MODE

### Basic Mode Screen



#### 1. Mode

Displays currently operating mode.

#### 2. Operation State

From Repeat/Random(Shuffle)/Scan, displays the currently operating function.

#### 3. File Index

Displays the current file number.

#### 4. File Info

Displays information about the current file.

#### 5. Play/Pause

Changes the play/pause state.

#### 6. Play Time

Displays the current play time.

#### 7. Info

Shows detailed information about the current file.

#### 8. Random(Shuffle)

Turns the Random(Shuffle) feature on/off.

#### 9. Repeat

Turns the Repeat feature on/off.

#### 10. Copy

Copies the current file into My Music

#### 11. List

Moves to the list screen.

## Using MP3 CD Mode

### Playing/Pausing MP3 Files

Once an MP3 disc is inserted the mode will automatically start and being playing.



While playing, press the **||** button to pause and press **▶** button to play.

### \* NOTICE

- If there are numerous files and folders within the disc, reading time could take more than 10 seconds and the list may not be displayed or song searches may not operate. Once loading is complete, try again.

### Changing Files

Press the **SEEK TRACK** key to move to the previous or next file.

### \* NOTICE

- Pressing the **SEEK TRACK** key after the file has been playing for 3 seconds will start the current file from the beginning.
- Pressing the **SEEK TRACK** key before the file has been playing for 3 seconds will start the previous file.

### Selecting from the List

Turn the **TUNE** knob left/right to search for the desired file.



Once you find the desired file, press the **TUNE** knob to start playing.

### Rewinding / Fast-forwarding Files

While playing, press and hold the **SEEK TRACK** key (over 0.8 seconds) to rewind or fast-forward the current file.

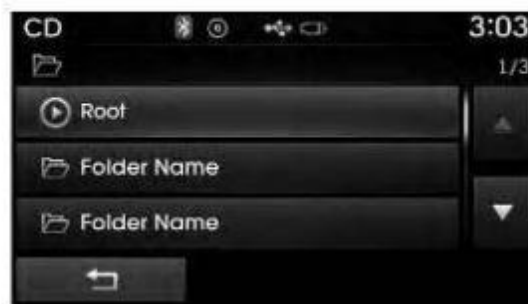
### Scan

Press the **SCAN** key to play the first 10 seconds of each file.

### Searching Folders

Press the **HD/CAT FOLDER** (**CAT FOLDER**) key to select and search folders.

Once the desired folder is displayed, press the **TUNE** knob to select.



The first file within the selected folder will begin playing.

## MP3 CD Mode Menu

Within this mode, you will have access to the Info, Random(Shuffle), Repeat, Copy and List features.



### Info

Press the **Info** button to display details about the current file.

## \* NOTICE

- When the 'Folder File' option is set as the default display within Display setup, the album/artist/file information are displayed as detailed file information.
- When the 'Album Artist Song' option is set as the default display, the folder name/file name are displayed as detailed file information.
- The title, artist and album info are displayed only when such information are recorded within the MP3 file ID3 tag.

### Random(Shuffle)

Press the **Shuffle** button to play files in random(Shuffle) order.

Each time the button is pressed, the feature changes in order of Random (Shuffle) Folder → Random (Shuffle) All → Off.

- Random(Shuffle) Folder : Plays all files within the current folder in Random (Shuffle) order.
- Random(Shuffle) All : Plays all files in Random(Shuffle) order.

### Repeat

Press the **Repeat** button to repeat the current file or folder.

Each time the button is pressed, the feature changes in order of Repeat → Repeat Folder → Off.

- Repeat: Repeats the current file.
- Repeat Folder: Repeats all files within the current Folder.

### Copying Files

Press the **Copy** button to copy the current file into My Music.

## \* NOTICE

Selecting another feature during copying will display a pop-up asking whether you wish to cancel copying. To cancel, select 'Yes'.

### List

Press the **List** button to display the file list screen.



Turn the **TUNE** knob left/right to search for files. Once the desired file is displayed, press the knob to select and play.



**\* NOTICE - USING THE USB DEVICE**

- 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. The USB device may not operate properly if the car ignition is turned on or off with the USB device connected.
- Heed caution to static electricity when connecting/disconnecting 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 products formatted with byte/sectors under 64Kbyte will be recognized.
- This device recognizes USB devices formatted in FAT 12/16/32 file formats. This device does not recognize files in NTFS file format.

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- Some USB devices may not be supported due to compatibility issues.
- Avoid contact between the USB connector with bodily parts or foreign objects.
- Repeated connecting/disconnecting of USB devices within short periods of time may result in product malfunction.
- A strange noise may occur when disconnecting the USB.
- Make sure to connect/disconnect external USB devices with the audio power turned off.
- The amount of time required to recognize the USB device may differ depending on the type, size or file formats stored in the USB. Such differences in time are not indications of malfunctions.
- The device only supports USB devices used to play music files.
- USB images and videos are not supported.

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- Do not use the USB I/F to charge batteries or USB accessories that generate heat. Such acts may lead to worsened performance or damage to the device.
- The device may not recognize the USB device if separately purchased USB hubs and extension cables are being used. Connect the USB directly with the multimedia terminal of the vehicle.
- When using mass storage USB devices with separate logical drives, only files saved to the root drive can be played.
- Files may not properly operate if application programs are installed to the USBs.
- 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.



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- 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.
- The device may not operate properly when using USB HDDs or USBs subject to connection failures caused by vehicle vibrations. (e.g. i-stick type)

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- Avoid use of USB memory products that can also be used as key chains or mobile phone accessories. Use of such products may cause damage to the USB jack.
- Connecting an MP3 device or phone through various channels, such as AUX/BT or Audio/USB mode may result in pop noises or abnormal operation.



## USB MODE

### Basic Mode Screen



#### 1. Mode

Displays currently operating mode.

#### 2. Operation State

From Repeat/Random(Shuffle)/Scan, displays the currently operating function.

#### 3. File Index

Displays the current file number.

#### 4. File Info

Displays information about the current file.

#### 5. Play/Pause

Changes the play/pause state.

#### 6. Play Time

Displays the current play time.

#### 7. Info

Displays detailed information for the current file.

#### 8. Random(Shuffle)

Turns the Random(Shuffle) feature on/off.

#### 9. Repeat

Turns the Repeat feature on/off.

#### 10. Copy

Copies the current file into My Music.

#### 11. List

Moves to the list screen.

### Using USB Mode

#### Playing/Pausing USB Files

Once a USB is connected, the mode will automatically start and begin playing a USB file.



While playing, press the **||** button to pause and press **▶** button to play.

#### \* NOTICE

- Loading may require additional time if there are many files and folders within the USB and result in faulty list display or file searching. Normal operations will resume once loading is complete.
- The device may not support normal operation when using a USB memory type besides (Metal Cover Type) USB Memory.

#### Changing Files

Press the **SEEK TRACK** keys to move to the previous or next file.

#### \* NOTICE

- Pressing the **SEEK TRACK** key after the file has been playing for 3 seconds will start the current file from the beginning.
- Pressing the **SEEK TRACK** key before the file has been playing for 3 seconds will start the previous file.

#### Selecting from the List

Turn the **TUNE** knob left/right to search for the desired file.



Once you find the desired file, press the **TUNE** knob to start playing.

#### Rewinding / Fast-forwarding Files

While playing, press and hold the **SEEK TRACK** key (over 0.8 seconds) to rewind or fast-forward the current file.

#### Scan

Press the **SCAN** key to play the first 10 seconds of each file.

### Searching Folders

Press the **▼** **CAT FOLDER** **▲** (**▼** **HD/CAT FOLDER** **▲**) key to select and search folders.



Once the desired folder is displayed, press the **TUNE** knob to select. The first file within the selected folder will begin playing.

### USB Mode Menu

Within this mode, you will have access to the Info, Random(Shuffle), Repeat, Copy and List features.



#### Info

Press the **Info** button to display details about the current file.

### \* NOTICE

- When the 'Folder File' option is set as the default display within Display setup, the album/artist/file information are displayed as detailed file information.
- When the 'Album Artist Song' option is set as the default display, the folder name/file name are displayed as detailed file information.
- The title, artist and album info are displayed only when such information are recorded within the MP3 file ID3 tag.

#### Random(Shuffle)

Press the **Shuffle** button to play files in random(Shuffle) order.

Each time the button is pressed, the feature changes in order of Random(Shuffle) Folder→Random(Shuffle) All→Off.

- Random(Shuffle) Folder : Plays the files in the current folder in random(Shuffle) order.
- Random(Shuffle) All : Plays all files in random(Shuffle) order.



### *Repeat*

Press the **Repeat** button to repeat the current file or folder.

Each time the button is pressed, the feature changes in order of Repeat → Repeat Folder → Off.

- Repeat (Icon) : Repeats the current file.
- Repeat Folder (Icon) : Repeats all files within the current folder.

### *Copying Files*

Press the **Copy** button to copy the current file into My Music.

### **\* NOTICE**

Selecting another feature during copying will display a pop-up asking whether you wish to cancel copying. To cancel, select 'Yes'.

### *List*

Press the **List** button to display the file list screen.



Turn the **TUNE** knob left/right to search for files. Once the desired file is displayed, press the knob to select and play.

**\* NOTICE - USING THE iPod® DEVICE**

- iPod® is a registered trademark of Apple Inc.
- In order to use the iPod while operating the keys, you must use a dedicated iPod cable. (the cable that is supplied when purchasing iPod/iPhone products)
- If the iPod is connected to the vehicle while it is playing, a high pitch sound could occur for approximately 1-2 seconds immediately after connecting. If possible, connect the iPod to the vehicle with the iPod stopped/paused.
- During ACC ON state, connecting the iPod through the iPod cable will charge the iPod through the car audio system.
- When connecting with the iPod cable, make sure to fully insert the jack to prevent communication interference.

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- When the EQ features of an external device, such as the iPod, and the audio system are both active, EQ effects could overlap and cause sound deterioration and distortion. Whenever possible, turn off the EQ feature within the external device upon use by connecting with the audio system.
- Noise may occur when an iPod or AUX device is connected. When such devices are not being used, disconnect the device for storage.
- When the iPod or AUX device power is connected to the power jack, playing the external device may result in noise. In such cases, disconnect the power connection before use.
- Skipping or improper operation may occur depending on the characteristics of your iPod/Phone device.

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- If your iPhone is connected to both the *Bluetooth*® Wireless Technology and USB, the sound may not be properly played. In your iPhone, select the Dock connector or *Bluetooth*® Wireless Technology to change the sound output (source).
- iPod mode cannot be operated when the iPod cannot be recognized due to the playing of versions that do not support communication protocols, cases of iPod abnormalities and defects.
- For fifth generation iPod Nano devices, the iPod may not be recognized when the battery level is low. Please charge the iPod for use.
- Search/play orders shown within the iPod device may differ with the orders shown within the audio 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)

(Continued)

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- Some iPods may not sync with the System depending on its version. If the Media is removed before the Media is recognized, then the system may not properly restore the previously operated mode. (iPad charging is not supported.)

## iPod MODE

### Basic Mode Screen



#### 1. Mode

Displays currently operating mode.

#### 2. Operation State

From Repeat/Random(Shuffle), displays the currently operating function.

#### 3. Song Index

Displays the current song/total number of songs.

#### 4. Song Info

Displays information about the current song.

#### 5. Play/Pause

Changes the play/pause state.

#### 6. Play Time

Displays the current play time.

#### 7. Random(Shuffle)

Turns the Random(Shuffle) feature on/off.

#### 8. Repeat

Turns the Repeat feature on/off.

#### 9. List

Moves to the list screen.

## Using iPod Mode

### Playing/Pausing iPod Songs

Once an iPod is connected, the mode will automatically start and begin playing an iPod song.



While playing, press the **||** button to pause and press **▶** button to play.

### \* NOTICE

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

### Changing Songs

Press the **SEEK TRACK** key to move to the previous or next song.

### \* NOTICE

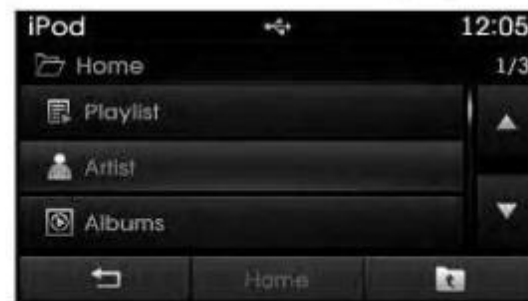
- Pressing the **SEEK TRACK** key after the song has been playing for 3 seconds will start the current song from the beginning.
- Pressing the **SEEK TRACK** key before the song has been playing for 3 seconds will start the previous song.
- Slight time differences may exist depending your iPod product.

### Rewinding / Fast-forwarding Songs

While playing, press and hold the **SEEK TRACK** key (over 0.8 seconds) to rewind or fast-forward the current song.

### Searching Categories

Turn the **TUNE** knob left/right to search for the desired category.





Once you find the desired category, press the **TUNE** knob to select and play.

### \* NOTICE



There are eight categories that can be searched, including Playlists, Artists, Albums, Genres, Songs, Composers, Audiobooks and Podcasts.



### Category Menu

Within the iPod Category menu, you will have access to the , Home, and  features.



1.  : Displays the play screen
2. Home : Moves to the iPod root category screen
3.  : Moves to the previous category

### \* NOTICE

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

## iPod Mode Menu

Within this mode, you will have access to the Random(Shuffle), Repeat and List features.



### Random(Shuffle)

Press the **Shuffle** button to play songs in random(Shuffle) order.

Each time the button is pressed, the feature changes in order of Random(Shuffle) Album→Random(Shuffle) All→Off.

- Random(Shuffle) Album : Shuffle Album plays album in Random(Shuffle) order.
- Random(Shuffle) All : Plays all songs in Random(Shuffle) order.

### Repeat

Press the **Repeat** button to repeat the current song. Press the button again to turn the repeat feature off.

- Repeat : Repeats the current song

### List

Press the **List** button to display the Category Menu.



Turn the **TUNE** knob left/right to search for the desired category.

Once you find the desired category, press the **TUNE** knob to select and play.

## AUX MODE

### Using AUX Mode

Press the **MEDIA** key▶Select [AUX]



An external device can be connected to play music.

### Connecting an External Device

External audio players (Camcorders, car VCR, etc.) can be played through a dedicated cable.

### \* NOTICE

- If an external device connector is connected with the AUX terminal, then AUX mode will automatically operate. Once the connector is disconnected, the previous mode will be restored.
- AUX mode can be used only when an external audio player (camcorder, car VCR, etc.) has been connected.
- The AUX volume can be controlled separately from other audio modes.
- Connecting a connector jack to the AUX terminal without an external device will convert the system to AUX mode, but only output noise. When an external device is not being used, also remove the connector jack.
- When the external device power is connected to the power jack, playing the external device may output noise. In such cases, disconnect the power connection before use.
- Fully insert the AUX cable to the AUX jack upon use.

## MY MUSIC MODE

### Basic Mode Screen



#### 1. Mode

Displays currently operating mode.

#### 2. Operation State

From Repeat/Random(Shuffle)/Scan, displays the currently operating function.

#### 3. File Index

Displays the current file/total number of files.

#### 4. File Info

Displays information about the current file.

#### 5. Play/Pause

Changes the play/pause state.

#### 6. Play Time

Displays the current play time.

#### 7. Info

Displays detailed information for the current file.

#### 8. Random(Shuffle)

Turns the Random(Shuffle) feature on/off.

#### 9. Repeat

Turns the Repeat feature on/off.

#### 10. Delete

Deletes the current file.

#### 11. List

Moves to the list screen.



### Using My Music Mode

#### Playing/Pausing My Music Files



While playing, press the **||** button to pause and press **▶** button to play.

#### \* NOTICE

If there are no files saved within My Music, the [My Music] button will be disabled.

#### Changing Files

Press the **SEEK TRACK** key to move to the previous or next file.

#### \* NOTICE

- Pressing the **SEEK TRACK** key after the file has been playing for 3 seconds will start the current file from the beginning.
- Pressing the **SEEK TRACK** key before the file has been playing for 3 seconds will start the previous file.

#### Selecting from the List

Turn the **TUNE** knob left/right to search for the desired file.



Once you find the desired file, press the **TUNE** knob to start playing.

#### Rewinding / Fast-forwarding Files

While playing, press and hold the **SEEK TRACK** key (over 0.8 seconds) to rewind or fast-forward the current file.

#### Scan

Press the **SCAN** key to play the first 10 seconds of each file.

## My Music Mode Menu

Within this mode, you will have access to the Info, Random(Shuffle), Repeat, Delete and List features.



### Info

Press the **Info** button to display details about the current file.

## \* NOTICE

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

### Random

Press the **Shuffle** button to play files in random order. Press the button again to turn the Random feature off.

### Repeat

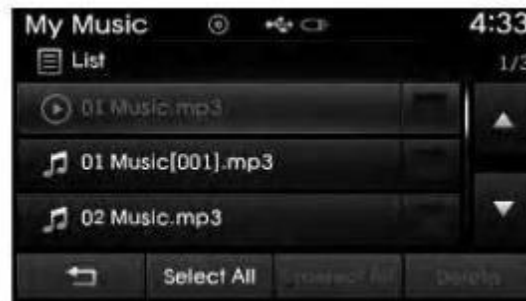
Press the **Repeat** button to repeat the current song. Press the button again to turn the repeat feature off.

### Deleting Files

Press the **Delete** button to delete the current file.

### List

Press the **List** button to display the file list screen.



Turn the **TUNE** knob left/right to search for files. Once the desired file is displayed, press the knob to select and play.

## List Menu

From the List screen, it is possible to delete files you previously saved into My Music.



Press the **Select All** button or individually select the files you want to delete. Once files are selected, the **Unselect All** button and **Delete** buttons will be enabled.

- 1) **Back Arrow**: Moves to the previous screen
- 2) **Select All**: Selects all files
- 3) **Unselect All**: Deselects all selected files
- 4) **Delete**: Deletes selected files

After selecting the files you want to delete, press the **Delete** button to delete the selected files.

### \* NOTICE

- If there is memory available, up to 6,000 files can be saved.
- Identical files cannot be copied more than 1,000 times.
- To check memory information, go to **SETUP** ▶ [System] ▶ [Memory Information]

**\* NOTICE - USING THE  
*Bluetooth*® Wireless  
Technology Audio Mode**

- *Bluetooth*® Wireless Technology Audio Mode can be used only when a *Bluetooth*® Wireless Technology phone has been connected.
- *Bluetooth*® Wireless Technology Audio Mode will not be available when connecting mobile phones that do not support this feature.
- While *Bluetooth*® Wireless Technology Audio is playing, if the *Bluetooth*® Wireless Technology phone is connected, then the music will also stop.
- Moving the Track up/down while playing *Bluetooth*® Wireless Technology audio mode may result in pop noises in some mobile phones.
- *Bluetooth*® Wireless Technology streaming audio may not be supported in some mobile phones.

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- When returning to *Bluetooth*® Wireless Technology Audio mode after ending a call, the mode may not automatically restart in some mobile phones.
- Receiving an incoming call or making an outgoing call while playing *Bluetooth*® Wireless Technology Audio may result in audio interference.





## Bluetooth® Wireless Technology AUDIO MODE

### Using Bluetooth® Wireless Technology Audio Mode

#### Playing/Pausing Bluetooth® Wireless Technology Audio

Once a Bluetooth® Wireless Technology device is connected, the mode will automatically start.



While playing, press the  button to pause and press  button to play.

### \* NOTICE

The play/pause feature may operate differently depending on the mobile phone.

#### Changing Files

Press the  key to move to the previous or next file.

#### Setting Connection

If a Bluetooth® Wireless Technology device has not been connected, press the  key  to display the Bluetooth® Wireless Technology connection screen.

It is possible to use the pair phone, connect/disconnect and delete features from your Bluetooth® Wireless Technology phone.

### \* NOTICE

- If the Bluetooth® Wireless Technology audio is not operating properly, check whether the feature is turned off at   . If the feature is off, turn back on and try again.
- If music is not yet playing from your mobile device after converting to Bluetooth® Wireless Technology Audio mode, pressing the play button once may start playing the mode. Check to see that music is playing from the Bluetooth® Wireless Technology device after converting to Bluetooth® Wireless Technology Audio Mode.

## Bluetooth® Wireless Technology


### Pairing a Bluetooth® Wireless Technology wireless technology Device

#### What is Bluetooth® Wireless Technology Pairing?

Pairing refers to the process of synchronizing your Bluetooth® Wireless Technology phone or device with the car audio system for connection. Pairing is necessary to connect and use the Bluetooth® Wireless Technology feature.

### Pairing PHONE Key / Key on the Steering Remote Controller

*When No Devices have been Paired*


1. Press the **PHONE** key or the  key on the steering remote controller. The following screen is displayed.
2. Press the **OK** button to enter the Pair Phone screen.




- 1) Device : Name of device as shown when searching from your Bluetooth® Wireless Technology device
- 2) Passkey : Passkey used to pair the device
3. From your Bluetooth® Wireless Technology device (i.e. Mobile Phone), search and select your car audio system.
4. After a few moments, a screen is displayed where the passkey is entered. Here, enter the passkey "0000" to pair your Bluetooth® Wireless Technology device with the car audio system.
5. Once pairing is complete, the following screen is displayed.

\* NOTICE



- If *Bluetooth*® Wireless Technology devices are paired but none are currently connected, pressing the **PHONE** key or the  key on the steering remote controller displays the following screen. Press the [Pair] button to pair a new device or press the [Connect] to connect a previously pair device.

Pairing through [PHONE] Setup

Press the **SETUP** key ▶ Select [Phone] ▶ Select [Pair Phone] ▶ Select 



1. The following steps are the same as the steps described in the "When No Devices have been Paired" section.

\* NOTICE

- The waiting period during phone pairing will last for one minute. The pairing process will fail if the device is not paired within the given time. If the pairing process fails, you must start the process from the beginning.
- Generally, most *Bluetooth*® Wireless Technology devices will automatically connect once pairing is complete. However, some devices may require a separate verification process to connect. Check to see whether *Bluetooth*® Wireless Technology has been properly connected within your mobile phone.
- List of paired *Bluetooth*® Wireless Technology devices can be viewed at **SETUP** ▶ [Phone] ▶ [Paired Phone List].

## Connecting a Device

Press the **SETUP** key ▶ Select [Phone] ▶ Select [Paired Phone List]



- 1) Connected Phone : Device that is currently connected
- 2) Paired Phone : Device that is paired but not connected

From the paired phone list, select the device you want to connect and press the **Connect** button.



## Changing Priority

### *What is Priority?*

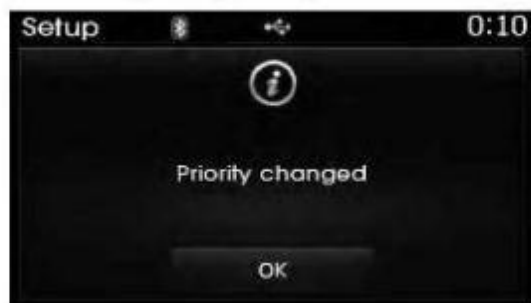
It is possible to pair up to five *Bluetooth*® Wireless Technology devices with the car audio system. As a result, the "Change Priority" feature is used to set the connection priority of paired phones. However, the most recently connected phone will always be set as the highest priority.

Press the **SETUP** key ▶ Select [Phone] ▶ Select [Paired Phone List]





From the paired phone list, select the phone you want to change to the highest priority, then press the **Change priority** button from the Menu. The selected device will be changed to the highest priority.



### \* NOTICE

When a device is currently connected, even if you change the priority to a different device, the currently connected phone will always be set as the highest priority.

### Disconnecting a Device

Press the **SETUP** key ▶ Select [Phone] ▶ Select [Paired Phone List]



From the paired phone list, select the currently connected device and press the **Disconnect** button.

### Deleting a Device

Press the **SETUP** key ▶ Select [Phone] ▶ Select [Paired Phone List]



From the paired phone list, select the device you want to delete and press the **Delete** button.



**\* NOTICE**

- When deleting the currently connected device, the device will automatically be disconnected to proceed with the deleting process.
- If a paired *Bluetooth*® Wireless Technology device is deleted, the device's call history and contacts data will also be deleted.
- To re-use a deleted device, you must pair the device again.

**USING *Bluetooth*® Wireless Technology****Phone Menu Screen***Phone Menus*

With a *Bluetooth*® Wireless Technology device connected, press the **PHONE** key to display the Phone menu screen.



- 1) Dial Number : Displays the dial screen where numbers can be dialed to make calls
- 2) Call History : Device the call history list screen
- 3) Contacts : Displays the Contacts list screen

- 4) Setup : Displays Phone related settings.

**\* NOTICE**

- If you press the [Call History] button but there is no call history data, a prompt is displayed which asks whether to download call history data.
- If you press the [contacts] button but there is no contacts data, a prompt is displayed which asks whether to download contacts data.
- This feature may not be supported in some mobile phones. For more information on download support, refer to your mobile phone user's manual.

## Calling by Dialing a Number

Press the **PHONE** key ▶ Select [Dial Number]



- 1) Dial Pad : Used to enter phone number
- 2) Call : If a number has been entered, calls the number. If no number has been entered, switches to call history screen
- 3) End : Deletes the entered phone number
- 4) Delete : Deletes entered numbers one digit at a time

## Answering Calls

### Answering a Call

Answering a call with a *Bluetooth*® Wireless Technology device connected will display the following screen.



- 1) Caller : Displays the other part's name when the incoming caller is saved within your contacts
- 2) Incoming Number : Displays the incoming number
- 3) Accept : Accept the incoming call
- 4) Reject : Reject the incoming call

## \* NOTICE

- When the incoming call pop-up is displayed, most Audio and SETUP mode features will not operate. Only the call volume can be operated.
- The telephone number may not be properly displayed in some mobile phones.
- When a call is answered with the mobile phone, the call mode will automatically convert to Private mode.

### During a Handsfree Call



- 1) Caller : Displays the other party's name if the incoming caller is saved within your contacts
- 2) Incoming Number : Displays the incoming number
- 3) Call time : Displays the call time
- 4) End : Ends call
- 5) Private : Converts to Private mode
- 6) Out Vol. : Sets call volume as heard by the other party
- 7) Mute : Turns Mic Mute On/Off

### \* NOTICE

If the mic is muted, the other party will not be able to hear your voice.

### Call History

Press the **PHONE** key ▶ Select [Call History]



A list of incoming, outgoing and missed calls is displayed.

Press the **Download** button to download the call history.

- 1) Call History :
  - Displays recent calls (call history)
  - Connects call upon selection
- 2) Download : Download Recent Call History

### Contacts

Press the **PHONE** key ▶ Select [Contacts]



The list of saved phone book entries is displayed. Press the **Download** button to download the call history.


- 1) Contacts List :
  - Displays downloaded contacts entries
  - Connects call upon selection
- 2) Download : Download contacts entries

### \* NOTICE

- Up to 1,000 contacts entries can be copied into car contacts.
- Upon downloading contacts data, previously saved contacts data will be deleted.
- Downloading is not possible if the contacts download feature is turned off within the *Bluetooth®* Wireless Technology device. Also, some devices may require device authorization upon attempting to download. If downloading cannot be normally conducted, check the *Bluetooth®* Wireless Technology device setting or the screen state.
- Caller ID information will not be displayed for unsaved callers.
- The download feature may not be supported in some mobile phones. Check to see that the *Bluetooth®* Wireless Technology device supports the download feature.



## \* NOTICE - USING THE Voice Recognition

- When using the voice recognition feature, only commands listed within the user's manual are supported.
- Be aware that during the operation of the voice recognition system, pressing any key other than the  key or touching the screen will terminate voice recognition mode.
- For superior voice recognition performance, position the microphone used for voice recognition above the head of the driver's seat and maintain a proper position when saying commands.
- Within the following situations, voice recognition may not function properly due to external sound.
  - When the windows and sunroof are open
  - When the wind of the cooling / heating device is strong
  - When entering and passing through tunnels

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- When driving on rugged and uneven roads
- During severe rain (heavy rains, windstorms)
- Phone related voice commands can be used only when a *Bluetooth*<sup>®</sup> Wireless Technology device is connected.
- When making calls by stating a name, the corresponding contact must be downloaded and stored within the audio system.
- After downloading the *Bluetooth*<sup>®</sup> Wireless Technology phone book, it takes some times to convert the phone book data into voice information. During this time, voice recognition may not properly operate.
- Pronounce the voice commands naturally and clearly as if in a normal conversation.



## VOICE RECOGNITION

### Using Voice Recognition

#### *Starting Voice Recognition*

Shortly press the  key on the steering remote controller. Say a command.




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

- If voice recognition is in [Expert Mode], then the system will only say a "Beep~"
- To change the Normal Mode/Expert Mode setting, go to **SETUP** ▶ [System] ▶ [Prompt Feedback].

#### \* NOTICE


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

#### *Skipping Prompt Messages*

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

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


#### *Re-starting Voice Recognition*

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


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

## ENDING VOICE RECOGNITION

While Voice Recognition is operating

▶ Press and hold the  key on the steering remote controller (over 0.8 seconds)

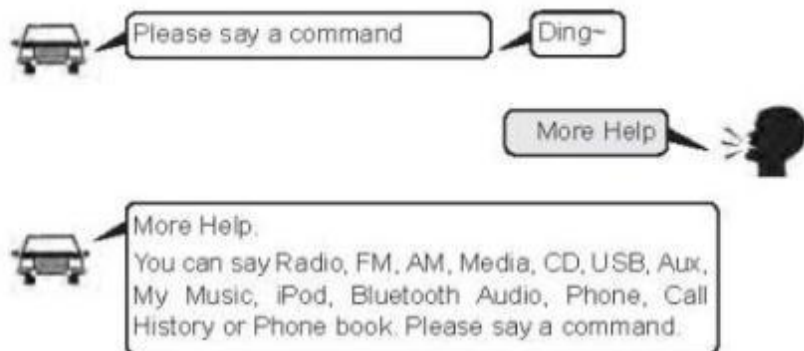
### \* NOTICE

- While using voice command, pressing a steering wheel remote control or a different key will end voice command.
- In a state where the system is waiting for a voice command, say “cancel” or “end” to end voice command.
- In a state where the system is waiting for a voice command, press and hold the  key on the steering remote controller to end voice command.


### \* Illustration on using voice commands

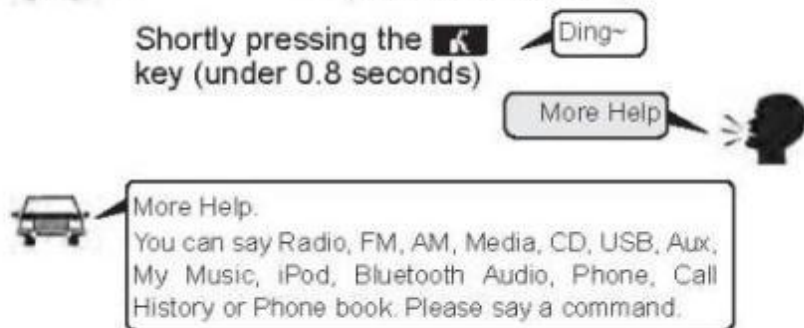
#### • Starting voice command.

Shortly pressing the  key (under 0.8 seconds):



#### • Skipping Voice Recognition

Shortly pressing the  key (under 0.8 seconds):



#### • End voice command.

Shortly pressing the  key (under 0.8 seconds):



## Voice Command List

- **Common Commands:** These are commands that can be used in all situations. (However, some commands may not be supported in special circumstances.)

Command	Function
More Help	Provides guidance on commands that can be used anywhere in the system.
Help	Provides guidance on commands that can be used within the current mode.
Call<Name>	Calls <Name> saved in Contacts Ex) Call "John"
Dial<Number>	Call can be made by dialing the spoken numbers. Ex) Call "123"
Phone	Provides guidance on Phone related commands. After saying this command, say "Call History", "Contacts" or "Dial Number" execute corresponding functions.
Call History	Displays the Call History screen.
Contacts (Call by Name)	Displays the Contacts screen. After saying this command, say the name of a contact saved in the Contacts to automatically connect the call.
Dial Number	Display the Dial number screen. After saying this command, you can say the number what you want to call.
Redial	Connects the most recently called number.

Command	Function
Radio	<ul style="list-style-type: none"> <li>• When listening to the radio, displays the next radio screen. (FM1→FM2→AM→XM1→XM2→XM3→FM1)</li> <li>• When listening to a different mode, displays the most recently played radio screen.</li> <li>• When currently listening to the FM radio, maintains the current state.</li> <li>• When listening to a different mode, displays the most recently played FM screen.</li> </ul>
FM1(FM One)	Displays the FM1 screen.
FM2(FM Two)	Displays the FM2 screen.
AM	Displays the AM screen.
FM Preset 1~6	Plays the most recently played broadcast saved in FM Preset 1~6.
AM Preset 1~6	Plays the broadcast saved in AM Preset 1~6.
FM 87.5~107.9	Plays the FM broadcast of the corresponding frequency.
AM 530~1710	Plays the AM broadcast of the corresponding frequency.
XM (Satellite)	<ul style="list-style-type: none"> <li>• When currently listening to the XM, maintains the current state.</li> <li>• When listening to a different mode, displays the most recently played XM screen.</li> </ul>



## Features of your vehicle

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Command	Function
XM (Satellite) 1~3	Displays the selected XM screen.
XM Channel	Plays the selected XM channel.
Media	Moves to the most recently played media screen.
Play Track 1~30	If a music CD has been inserted, plays the corresponding track.
CD	Plays the music saved in the CD.
Search CD	Moves to the CD track or file selection screen. <ul style="list-style-type: none"><li>• For audio CDs, move to the screen and say the track number to play the corresponding track.</li><li>• Moves to MP3 CD file selection screen. After manually operate the device to select and play music.</li></ul>
USB	Plays USB music.
Search USB	Moves to USB file selection screen. After manually operate the device to select and play music.
iPod	Plays iPod music.
Search iPod	Moves to the iPod file selection screen. After, manually operate the device to select and play music.

Command	Function
My Music	Plays the music saved in My Music.
Search My Music	Moves to My Music file selection screen. After manually operate the device to select and play music.
AUX (Auxiliary)	Plays the connected external device.
Bluetooth Audio	Plays the music saved in connected Bluetooth® device.
Mute	Mutes the radio or music volume.
Please repeat	Repeats the most recent comment.
Cancel (Exit)	Ends voice command.



- **FM/AM radio commands:** Commands that can be used while listening to FM, AM radio.

Command	Function
Preset 1~6	Plays the broadcast saved in Preset 1~6.
Auto Store	Automatically selects radio broadcast frequencies with superior reception and saves in Presets 1~6.
Preset Save 1~6	Saves the current broadcast frequency to Preset 1~6.
Seek up	Plays the next receivable broadcast.
Seek down	Plays the previous receivable broadcast.
Next Preset	Selects the preset number next to the most recently selected preset. (Example: When currently listening to preset no. 3, then preset no. 4 will be selected.)
Previous Preset	Selects the preset number previous to the most recently selected preset. (Example: When currently listening to preset no. 3, then preset no. 2 will be selected.)
Scan	Scans receivable frequencies from the current broadcast and plays for 10 seconds each.
Preset Scan	Moves to the next preset from the current present and plays for 10 seconds each.
Information	Displays the information of the current broadcast. (This feature can be used when receiving RBDS broadcasts.)

- **Satellite radio commands:** Commands that can be used while listening to Satellite Radio.

Command	Function
Channel Up	Plays the channel next to the current broadcast.
Channel Down	Plays the channel previous to the current broadcast.
Next Preset	Selects the preset number next to the most recently selected preset. (Example: When currently listening to preset no. 3, then preset no. 4 will be selected.)
Previous Preset	Selects the preset number previous to the most recently selected preset. (Example: When currently listening to preset no. 3, then preset no. 2 will be selected.)
Category	Moves to the Category selection screen.
Scan	Scans receivable channels from the current broadcast and plays for 10 seconds each.
Preset 1~6	Plays the broadcast saved in Preset 1~6.
Preset Save 1~6	Saves the current broadcast channel to 1~6.
Information	Displays the information of the current broadcast.

## Features of your vehicle

- Audio CD commands: Commands that can be used while listening to Audio CD.

Command	Function
Play	Plays the currently paused track.
Pause	Pauses the current track.
Shuffle	Randomly plays the tracks within the CD.
Shuffle Off	Cancels random play to play tracks in sequential order.
Repeat	Repeats the current track.
Repeat Off	Cancels repeat play to play tracks in sequential order.
Next Track	Plays the next track.
Previous Track	Plays the previous track.
Scan	Scans the tracks from the next track for 10 seconds each.
Track 1~30	Plays the desired track number.
Search Track	Moves to the track selection screen. After, say the track name to play the corresponding track.
Information	Displays the information screen of the current track.

- MP3 CD / USB commands: Commands that can be used while listening to music files saved in CD and USB.

Command	Function
Play	Plays the currently paused file.
Pause	Pauses the current file.
Shuffle	Randomly plays the files within the current folder.
All Shuffle	Randomly plays all saved files.
Shuffle Off	Cancels random play to play files in sequential order.
Repeat	Repeats the current file.
Folder Repeat	Repeats all files in the current folder.
Repeat Off	Cancels repeat play to play files in sequential order.
Next File	Plays the next file.
Previous File	Plays the previous file.
Scan	Scans the files from the next files for 10 seconds each.
Search File	Moves to the file selection screen.
Search Folder	Moves to the folder selection screen.
Information	Displays the information screen of the current file.
Copy	Copies the current file into My Music.

- iPod Commands: Commands that can be used while playing iPod.

Command	Function
Play	Plays the currently paused song.
Pause	Pauses the current song.
All Shuffle	Randomly plays all saved songs.
Album Shuffle	Randomly plays the songs within the current category.
Random Off	Cancels random play to play songs in sequential order.
Repeat	Repeats the current song.
Repeat Off	Cancels repeat play to play songs in sequential order.
Next Song	Plays the next song.
Previous Song	Plays the previous song.
Search Song	Moves to the song selection screen.

- My Music Commands: Commands that can be used while playing My Music.

Command	Function
Play	Plays the currently paused file.
Pause	Pauses the current file.
Shuffle	Randomly plays all saved files.
Shuffle Off	Cancels random play to play files in sequential order.
Repeat	Repeats the current file.
Repeat Off	Cancels repeat play to play files in sequential order.
Next File	Plays the next file.
Previous File	Plays the previous file.
Scan	Scans the files from the next files for 10 seconds each.
Search File	Moves to the file selection screen.
Information	Displays the information screen of the current file.
Delete	Deletes the current file. You will bypass an additional confirmation process.
Delete All	Deletes all files saved in My Music. You will bypass an additional confirmation process.

## Features of your vehicle

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- *Bluetooth*<sup>®</sup> Wireless Technology Audio Commands: Commands that can be used while playing Phone Music.

Command	Function
Play	Plays the currently paused song.
Pause	Pauses the current song.

## SETUP

### Starting Mode

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



You can select and control options related to [Display], [Sound], [Clock/Calendar], [Phone] and [System].

### Display Settings

#### Adjusting the Brightness

Press the **SETUP** key ▶ Select [Display] ▶ Select [Brightness]



Use the **◀**, **▶** buttons to adjust the screen brightness or set the Brightness on Automatic, Daylight, or Night mode.

Press the **Default** button to reset.

- 1) Automatic : Adjusts the brightness automatically
- 2) Daylight : Always maintains the brightness on high
- 3) Night: Always maintains the brightness on low

### Pop-up Mode

Press the **SETUP** key ▶ Select [Display] ▶ Select [Mode Pop up]



This feature is used to display the Pop-up Mode screen when entering radio and media modes.

When this feature is turned on, pressing the **RADIO** or **MEDIA** key will display the Pop-up Mode screen.

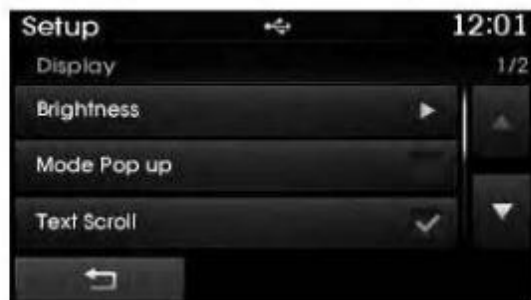
### \* NOTICE

The media Pop-up Mode screen can be displayed only when two or more media modes have been connected.



### Text Scroll

Press the **SETUP** key ▶ Select [Display] ▶ Select [Text Scroll]



This feature is used to scroll text displayed on the screen when it is too long to be displayed at once.

When turned on, the text is repeatedly scrolled. When turned off, the text is scrolled just once.

### MP3 Information Display

Press the **SETUP** key ▶ Select [Display] ▶ Select [Media Display]



This feature is used to change the information displayed within USB and MP3 CD modes.

- 1) Folder File : Displays file name and folder name
- 2) Album Artist Song : Displays album name/artist name/song

### Sound Settings

#### Sound Settings

Press the **SETUP** key ▶ Select [Sound] ▶ Select [Sound Setting]



Use the **◀**, **▶**, **▲**, **▼** buttons to adjust the Fader/Balance settings.

Use the **◀**, **▶** buttons to adjust the Bass/Middle/Treble settings.

Press the **Default** button to reset.

### Virtual Sound

Press the **SETUP** key ▶ Select [Sound] ▶ Select [Virtual Sound]



This feature is used to set the Power Bass, Power Treble and Surround sound options.

### SDVC (Speed Dependent Volume Control)

Press the **SETUP** key ▶ Select [Sound] ▶ Select [Speed Dependent Vol.]



The volume level is controlled automatically according to the vehicle speed. SDVC can be set by selecting from Off/Low/Mid/High.

### Voice Recognition Volume

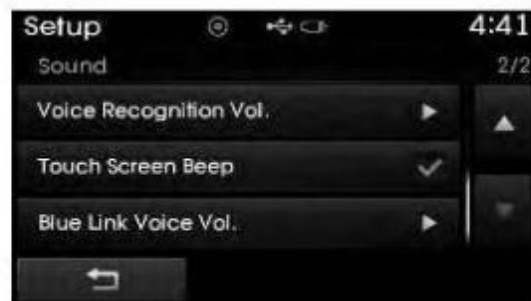
Press the **SETUP** key ▶ Select [Sound] ▶ Select [Voice Recognition Vol.]



Turn the **TUNE** knob to adjust the Voice Recognition volume.

### *Touch Screen Beep*

Press the **SETUP** key ▶ Select [Sound] ▶ Select [Touch Screen Beep]



This feature is used to turn the touch screen beep on/off.

### *Blue Link Voice Volume*

Press the **SETUP** key ▶ Select [Sound] ▶ Select [Blue Link Voice Vol.]



Turn the **TUNE** knob to adjust the Blue Link Voice Volume.

※ Blue Link® may differ depending on the selected audio.

## Clock/Calendar Setting

### Clock Setting

Press the **SETUP** key ▶ Select [Clock/Calendar] ▶ Select [Clock Settings]

Use the **▲**, **▼** buttons to set the Hour, Minutes and AM/PM setting.



### \* NOTICE

Press and hold the **CLOCK** key (over 0.8 seconds) to set the Clock/Calendar screen.

### Calendar Setting

Press the **SETUP** key ▶ Select [Clock/Calendar] ▶ Select [Calendar Settings]



Use the **▲**, **▼** buttons to set the Month, Day and Year setting.

### Time Format

Press the **SETUP** key ▶ Select [Clock/Calendar] ▶ Select [Time Format]



This feature is used to change the clock format between 12hr or 24hr.

### *Clock Display*

Press the **SETUP** key ▶ Select [Clock/Calendar] ▶ Select [Clock Display (Power off)]



This feature is used to display a clock on the screen when the audio system is turned off.



## Bluetooth® Wireless Technology Setting

### Pairing a New Device

Press the **SETUP** key ▶ Select [Phone] ▶ Select [Pair Phone]



Bluetooth® Wireless Technology devices can be paired with the audio system.

For more information, refer to the "Pairing through Phone Setup" section within *Bluetooth® Wireless Technology*.

### Viewing Paired Phone List

Press the **SETUP** key ▶ Select [Phone] ▶ Select [Paired Phone List]



This feature is used to view mobile phones that have been paired with the audio system. Upon selecting a paired phone, the setup menu is displayed.

For more information, refer to the "Setting *Bluetooth® Wireless Technology Connection*" section within *Bluetooth® Wireless Technology*.

- 1) **←** : Moves to the previous screen
- 2) **Connect/Disconnect Phone** : Connect/ disconnects currently selected phone

- 3) **Delete** : Deletes the currently selected phone
- 4) **Change Priority** : Sets currently selected phone to highest connection priority

### \* NOTICE BEFORE DOWNLOADING CONTACTS

- Only contacts within connected phones can be downloaded. Also check to see that your mobile phone supports the download feature.
- To learn more about whether your mobile phone supports contacts downloads, refer to your mobile phone user's manual.
- The contacts for only the connected phone can be downloaded. Before downloading, check to see whether your phone supports the download feature.

### Downloading Contacts

Press the **SETUP** key ▶ Select [Phone] ▶ Select [Contacts Download]



The contacts is downloaded from the mobile phone and the download progress is displayed.

### \* NOTICE

- Up to 1,000 contacts entries can be copied into car contacts.
- Up to 1,000 contacts entries can be saved for each paired device.
- Upon downloading contacts data, previously saved contacts data will be deleted. However, contacts entries saved to other paired phones are not deleted.

### Auto Download (Contacts)

Press the **SETUP** key ▶ Select [Phone] ▶ Select [Auto Download]



This feature is used to automatically download mobile contacts entries once a *Bluetooth*® Wireless Technology phone is connected.

### \* NOTICE

- The Auto Download feature will download mobile contacts entries every time the phone is connected. The download time may differ depending on the number of saved contacts entries and the communication state.
- When downloading a contacts, first check to see that your mobile phone supports the contacts download feature.

### Streaming Audio

Press the **SETUP** key ▶ Select [Phone] ▶ Select [Streaming Audio]



When Streaming Audio is turned on, you can play music files saved in your *Bluetooth*® Wireless Technology device from the car.

### Outgoing Volume

Press the **SETUP** key ▶ Select [Phone] ▶ Select [Outgoing Volume]

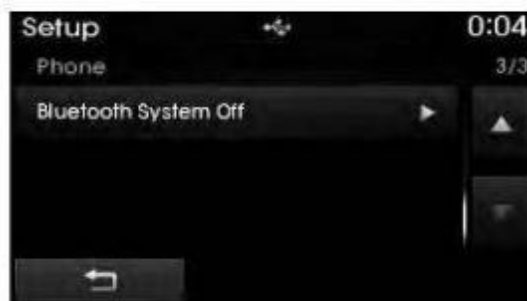


Use the **-**, **+** buttons to adjust the outgoing volume level.

### Turning Bluetooth System Off

Press the **SETUP** key ▶ Select [Phone] ▶ Select [Bluetooth System Off]

Once *Bluetooth*<sup>®</sup> *Wireless Technology* is turned off, *Bluetooth*<sup>®</sup> *Wireless Technology* related features will not be supported within the audio system.



### \* NOTICE

To turn *Bluetooth*<sup>®</sup> *Wireless Technology* back on, go to **SETUP** ▶ [Phone] and press “Yes”.

## System Setting

### HD Radio On/Off

Press the **SETUP** key ▶ Select [System] ▶ Select [FM], [AM]



This feature is used to set whether to receive FM/AM HD Radio broadcasts.

### Prompt Feedback

Press the **SETUP** key ▶ Select [System] ▶ Select [Prompt Feedback]



This feature is used to select the desired prompt feedback option from ON and OFF.

- 1) ON : When using voice recognition, provides detailed guidance prompts
- 2) OFF : When using voice recognition, omits some guidance prompts

### Language

Press the **SETUP** key ▶ Select [System] ▶ Select [Language]

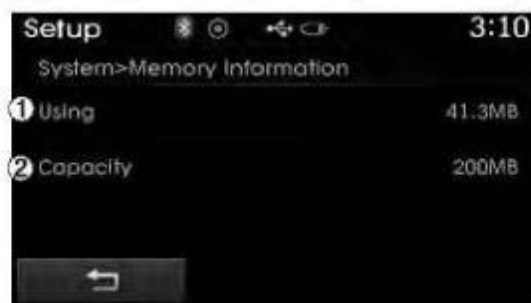


This feature is used to change the system and voice recognition language. If the language is changed, the system will restart and apply the selected language.



### Memory Information

Press the **SETUP** key ▶ Select [System] ▶ Select [Memory Information]



This feature displays information related to system memory.

- 1) Using : Displays capacity currently in use
- 2) Capacity : Displays total capacity

### REAR VIEW CAMERA (if equipped)

- The system has been equipped with a rear view camera for user safety by allowing a wider rear range of vision.
- The rear view camera will automatically operate when the ignition key is turned ON and the transmission lever is set to R.
- The rear view camera will automatically stop operating when set to a different lever.

#### **CAUTION**

- *The rear view camera has been equipped with an optical lens to provide a wider range of vision and may appear different from the actual distance. For safety, directly check the rear and left/right sides.*



### Blue Link® (if equipped)

Hyundai aims to offer differentiated customer values through a 'Connected Car Life,' which is to provide consumers with fast and reliable IT technology. As consumers' lifestyles become more and more mobile in thanks to remarkable advances in smart phones, tablet PCs and overall wireless telecommunication, new lifestyle patterns demand seamless connection between one's office, home, outdoors and automobiles.

Automobile companies are now faced with the task of shifting their paradigm from vehicle-centered services to customer value-centered services, with the ultimate goal of securing global leadership in the field of vehicle IT and telematics.

Hyundai Motor plans to achieve this

by realizing a terminal platform flexible to changes in IT technology, cooperating with global IT companies, creating an eco-system and providing the latest contents & services based on an open environment.

#### Using the Room Mirror Key

Selecting the room mirror key will allow you to make service required inquiries, POI info searches, and emergency rescues by connecting to the Blue Link® Center.

Such features can be used only after



subscribing to the Blue Link® service.

#### ① (Blue Link® Center)

Makes requests for Blue Link® service related inquiries and consultations.

A call is connected to the Blue Link® service center employee.

Re-pressing the key will end the call. This feature does not operate when you are on a Bluetooth® phone call.

#### ② (Blue Link® for POI)

• Blue Link® for Voice command

Starts Blue Link® voice command.

Voice receiving voice guidance, shortly press the button to convert to voice command mode. Press and hold the button to end voice command.

• TBT VR Commands

1. Navigate to

"Navigate to" voice command is used to request the download of route data for a new destination, saved destinations, daily routes and previous destinations.

## 2. Save Destination

"Save Destination" VR command is used to assign a voice tag to the last downloaded destination and store it in a destination directory.

### NOTE:

**The Turn by Turn(TBT) feature supports the store of ten(10) destinations in the TBT destinations directory.**

## 3. Route Preview

"Route Preview" VR command allows the user to preview the route instructions (upcoming maneuver instructions) at any time during the route guidance.

## 4. Destinations List

"Destinations List" VR command allows the user to preview and delete the stored destinations with their associated voice tags in the Turn by Turn destinations directory.

## 5. Voice Guidance

"Voice Guidance" VR command allows the user to mute/unmute the Turn by Turn(TBT) direction announcements.

## 6. Suspend Route

"Suspend Route" VR command allows the user to suspend and pause Turn by Turn(TBT) route guidance while in the guidance mode.

## 7. Resume Route

"Resume Route" VR command allows the user to resume Turn by Turn(TBT) route guidance.

### (Blue Link® for SOS)

In the case of an emergency, requests for help to the Blue Link® center.

Call is connected to the Blue Link® emergency rescue center. Re-pressing the key will end the call.

If already on a Bluetooth® phone call, the call will end to connect you to the Blue Link® Emergency Rescue Center.

### CAUTION

- *You cannot talk simultaneously on the Bluetooth® phone and Blue Link® phone.*
- *While on a Bluetooth® call, pressing the  key or  key will display a message indicating that you are currently on a call.*
- *A message will be displayed if you receive a Bluetooth® Wireless Technology call while already on a Blue Link® call. At this time, press the  key on the steering wheel remote controller to accept the call. The phone bell will not ring.*

### Eco Coach



#### • What is Eco Coach?

Every 2.5 minutes, Eco Coach compares your fuel economy against the government tested average (EPA) or other similar Hyundai models (community), based on your preference. Each month, or after every tank fill up, Eco Coach rates your extended average and gives you a reward star if you best the average.

See your My Hyundai web page for more information.

#### • What does the bar graph and horizontal line mean?

The horizontal line is adjusted once per month or at each tank full, based on your preference; it represents the EPA combined average or community average fuel economy target.

#### • What is My Eco MPG?

Your actual fuel economy average over 2.5 minutes.

This value is also shown in bar graph as your "now" rating.

#### • What are Eco Rewards?

If you beat the average (the EPA or community), you will receive an Eco Reward point.

See your my Hyundai web page for more information.

[Eco Driving] will not operate if the vehicle ignition is not turned on. Please operate with the ignition turned on.

## Turn by Turn

The Turn by Turn feature can be used through Blue Link<sup>®</sup>.



### 7. Current Street name

※ For information on specific Blue Link<sup>®</sup> operations, please refer to a separate manual.

1. Direction Indicator Image
2. Remaining distance until next point
3. The Count bar is divided into a total of 9 levels.

9 Level	0.5mi	8 Level	0.4mi
7 Level	0.3mi	6 Level	0.2mi
5 Level	0.1mi	4 Level	400ft
3 Level	300ft	2 Level	200ft
1 Level	100ft		

4. Next Street name
5. Distance to destination
6. Expected Time Arrival



## WARNING & SAFETY INFORMATION

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### Safety Symbols

#### **Warning**

- When encountering this symbol in the manual, you must follow these recommendations to avoid irreparable damage to your car, system or connected devices or to avoid accidents with injuries or death.

### IC Information

**This device complies with Industry Canada licence-exempt RSS standard(s). Operation is subject to the following two conditions:**  
**(1) this device may not cause interference, and**  
**(2) this device must accept any interference, including interference**

**Le present appareil est conforme aux CNR d'Industrie Canada applicables aux appareils radio exempts de licence. L'exploitation est autorisee aux deux conditions suivantes :**  
**(1) l'appareil ne doit pas produire de brouillage, et**  
**(2) l'utilisateur de l'appareil doit accepter tout brouillage radioelectrique subi, meme si le brouillage est susceptible d'en compromettre le fonctionnement.**

**The antenna(s) used for this device must be installed to provide a separation distance of at least 20 cm from all persons and must not be co-located or operating in conjunction with any other antenna or transmitter.**

### FCC Information

This device complies with part 15 of the FCC Rules. Operation is subject to the following two conditions:

- 1.This device may not cause harmful interference, and
- 2.This device must accept any interference received, including interference that may cause undesired operation.

### FCC notification to users

This equipment has been tested and found to comply with the limits for a CLASS B digital device, pursuant to Part 15 of the FCC Rules. These limits are designed to provide reasonable protection against harmful interference when the equipment is operated in a commercial environment. This equipment generates, uses, and can radiate radio frequency energy and, if not installed and used in accordance with the instructions, may cause harmful interference to radio communications. However, there is no guarantee that interference will not occur in a particular installation. If this equipment does cause harmful interference, the user is encouraged to try to correct the interference by consulting with a KIA dealer or an experienced technician for technical assistance.

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