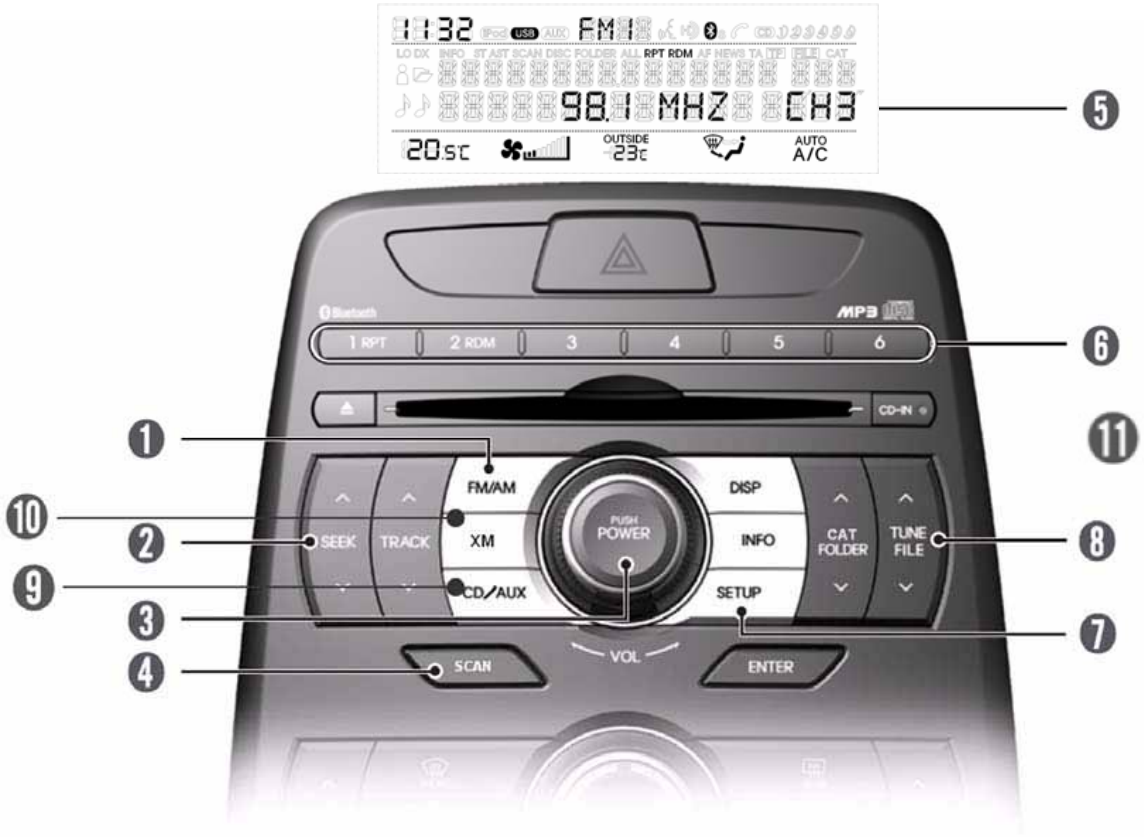
ATTACHMENT H.

- Hardware Manual -

RADIO, SETUP, VOLUME CONTROL(PA710BKLX, USA)



1. FM/AM selection button
2. SEEK ∧ / ∨ button
3. POWER on/off & volume control knob
4. SCAN button
5. Display
6. Preset channel button
7. SETUP Button
8. TUNE FILE UP/DOWN button
9. CD / AUX selection button
10. XM selection button
11. DISP selection button

1. FM/AM selection Button

Turn to FM or AM mode, and toggles in the order of FM1→ FM2→AM→FM1... when the button is pressed each time.

2. SEEK ∧ / ∨ Button

When the [SEEK ∧ / ∨] button is pressed, it increases / decreases the band frequency by 200kHz to automatically select channel. Stops at the previous frequency if no channel is found.

3. POWER on/off & volume control button

Turn on/off the set When the IGNITION SWITCH is on ACC or ON. If the button is turned to the right, it increases the volume and left, decreases the volume.

4. SCAN Button

If this button is pressed, the frequencies will become increased and receive the corresponding broadcasts. This function will play the frequencies for 5 seconds (XM MODE: 10 seconds) each and find other broadcasts as the frequency increases. Press the button again when desiring to continue listening to the currently playing broadcast.

5. Display

Display currently time, mode, frequency SCAN status and preset channel.

6. Preset channel button

Press [1] ~ [6] buttons less than 0.8 second to play the channel saved in each button. Press preset button for 0.8 second or longer to save current channel to the respective button with a beep

7. SETUP Button

Pressing the button changed the CLOCK, TONE, POSITION, AVC, TEMP, SCROLL AND BLUETOOTH.

8. TUNE FILE ∧ / ∨ button

When the [TUNE ∧ / ∨] button is pressed, it increases / decreases the band frequency by 200kHz from current frequency.

9. CD/AUX selection button

If there is a CD in the CDP DECK it turns to CD mode, and if a device is connected to AUX then it toggles.

CD → AUX → CD… when the button is pressed each time. (It will not turn to AUX if the auxiliary device is not connected)

10. XM selection button

When this button is pressed, the mode turns to XM satellite Radio.

11. DISP selection button

Turns on/off the displayed data and light on LCD

CDP(PA710BKLX, USA)

1. RDM Play button
2. RPT button
3. CD Loading Slot
4. CD Eject button
5. TRACK ∧ / ∨ button
6. SEEK ∧ / ∨ button
7. XM Selection button
8. SCAN Play button
9. Display
10. CD Indicator
11. CAT FOLDER ∧ / ∨ button
12. TUNE FILE ∧ / ∨ button
13. INFO button

1. RDM Play Button

Turns on/off the randomization of the play list of files in the currently played DISC. To cancel the mode, press the button once again.

If loaded CD has a file folder, RANDOM PLAY button operates below

- Press button for less than 0.8 second to play randomized files in folder

- Press button for 0.8 second or longer to play randomized all files in CD

2. RPT Button

Repeats current song when the button is pressed for less than 0.8 second. Repeats the entire DISC when the button is pressed for 0.8 second or longer

3. CD Loading Slot

Please face printed side upward and gently Press in. When the ignition switch is on ACC or ON and power is off, power is automatically turned on if the CD is loaded. This CDP supports only 12cm CD. If VCD, Data CD are loaded, “Reading Error” message will appear and CD will be ejected.

4. CD Eject Button

Press ▲ button to eject the CD during CD playback. This button is enabled when ignition switch is off.

5. TRACK ∧ / ∨ Button

- Press TRACK ∧ button to play the next song.

- Press TRACK ∨ button to play from the beginning of current song and Press again to play the previous song.

6. SEEK ∧ / ∨ Button

- Press SEEK ∧ button to initiate high speed sound search of current song.

- Press SEEK ∨ button to initiate reverse direction high speed sound search of current song

7. XM selection button

When this button is pressed, the mode turns to XM satellite Radio

8. SCAN play button

Play first 10 seconds of each song in the DISC. To cancel the mode, press the button once again

9. Display

Display currently time, mode, play track number, play time, RDM, RPT and SCAN status.

10. CD indicator

When car ignition switch is ACC or ON and if the CD is loaded, this indicator is lighted. If the CD is ejected the light is turned off.

11. CAT FOLDER ∧ / ∨ Button

When loaded CD has file folders, FOLDER ∧ / ∨ button operates below

Press FOLDER ∨ button to move child folder of the current folder and displays the first song in the folder. Press ENTER button to move to the folder displayed. It will play the first song in the folder.
Press FOLDER ∧ button to move parent folder and displays the first song in the folder. Press ENTER button to move to the folder displayed.

12. TUNE FILE ∧ / ∨ BUTTON

When loaded CD has a mp3 or WMA files , TUNE FILE ∧ / ∨ button operates below

Press TUNE FILE ∧ button to play next song
Press TUNE FILE ∨ button to play previous song

13. INFO button

Displays the information of the current CD TRACK in the order of DISC TITLE → DISC ARTIST → TRACK TITLE → TRACK ARTIST → TOTAL TRACK → play screen → DISC TITLE → …(not displayed if the information is not available on the DISC.)

⚠ CAUTION IN USING USB DEVICE

- *To use the external USB device, make sure the device is not mounted when starting up the vehicle and mount the device after starting up.*
- *If you start the vehicle when the USB device is mounted, it may damage the USB device. (USB is not ESA)*
- *If the vehicle is started up or turned off while the external USB device is connected, the external USB device may not work.*
- *It may not play inauthentic MP3 or WMA files.*
  1) It can only play MP3 files with the compression rate between 8Kbps~320Kbps.
  2) It can only play WMA music files with the compression rate between 8Kbps~320Kbps.
- *Take cautions for static electricity when mounting or dismounting the external USB device.*
- *Encoded MP3 PLAYER is not recognizable.*

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- *Depending on the condition of the external USB device, the connected external USB device can be unrecognizable.*
- *When the formatted byte/sector setting of External USB devices is not either 512BYTE or 2048BYTE, then the device will not be recognized.*
- *Only the USB device formatted to FAT 12/16/32.*
- *USB device without USB IF authentication may not be recognizable.*
- *Make sure the USB connection terminal does not come in contact with human body or any object.*
- *If you repeat mounting or dismounting USB device in a short period of time, it may break the device.*
- *You might hear strange noise when mounting or dismounting a USB device.*

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- *If you dismount the external USB device during playback in USB mode, the external USB device can be damaged or malfunction. Therefore, mount the external USB device when the engine is turned off or in another mode.*
- *Depending on the type and capacity of the external USB device or the type of the files stored in the device, there is a difference in the time taken for recognition of the device, but this is not a trouble Please wait for a moment.*
- *Do not use the USB device for other purposes than playing music files.*
- *Use of USB accessories such as the recharger or heater using USB I/F may lower the performance or cause trouble.*
- *If you use devices such as the USB hub you purchased separately, the vehicle's audio system may not recognize the USB device. Connect the USB device directly to the multimedia terminal of the vehicle.*

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USING USB(PA710BKLX, USA)

1. RDM Play button
2. RPT button
3. TRACK ∧ / ∨ button
4. SEEK ∧ / ∨ button
5. CD / AUX selection button
6. SCAN play button
7. Display
8. FOLDER ∧ / ∨ button
9. TUNE FILE ∧ / ∨ button
10. INFO button

1. RDM Play Button

Press the button for less than 0.8 second to start or stop the random playback of the songs in the current folder.
Press the button for more than 0.8 second to randomly play the entire songs in the USB device. Press the button again to cancel the mode

2. RPT Button

Press the button for less than 0.8 second to repeat the song currently played.
Press the button for more than 0.8 second to repeat the entire songs in the USB device.

3. TRACK ∧ / ∨ button

Press the TRACK ∨ button to play from the beginning of the song currently played. And press it again to move and play the previous track.
Press the TRACK ∧ button to move to the next track.

4. SEEK ∧ / ∨ button

Press the SEEK ∨ button to play the song in reverse direction in fast speed
Press the SEEK ∧ button to play the song in forward direction in fast speed

5. CD / AUX selection button

If USB is connected, it switches to the USB mode from the CD mode to play the song files stored in the USB. If there are no CD and USB mode from the Radio mode, it displays “No Media”.

6. SCAN play button

Plays 10 seconds of each song in the USB device. Press the button once again to cancel scanning.

7. Display

Display currently time, mode, play track number, play time, RDM, RPT and SCAN status.

8. FOLDER ∧ / ∨ button

Press FOLDER ∨ button to move child folder of the current folder and displays the first song in the folder. Press ENTER button to move to the folder displayed. It will play the first song in the folder.
Press FOLDER ∧ button to move parent folder and displays the first song in the folder. Press ENTER button to move to the folder displayed.

9. TUNE FILE ∧ / ∨ button

Press the TUNE FILE ∨ button to play from the beginning of the song currently played. And press it again to move and play the previous track.
Press the TUNE FILE ∧ button to move to the next track.

10. INFO button

Displays the information of the file currently played in the order of FILE NAME → TITLE → ARTIST → ALBUM → FOLDER → TOTAL FILE → NORMAL DISPLAY → FILE NAME → …(Displays no information if the file has no song information)

RUNNING iPod (PA710BKLX, USA)

1. **RDM Play button**
2. **RPT button**
3. **TRACK ∧ / ∨ button**
4. **SEEK ∧ / ∨ button**
5. **CD / AUX selection button**
6. **SCAN play button**
7. **Display**
8. **FOLDER ∧ / ∨ button**
9. **TUNE FILE ∧ / ∨ button**
10. **INFO button**

iPod is a trademark of Apple Inc.

1. RDM Play Button

Press the button for less than 0.8 second to to activate or deactivate the random playback of the songs within the current category. Press the button for longer than 0.8 second to randomly play all songs in the entire album of the iPod. Press the button once again to cancel the mode.

2. RPT Button

Press the button for less than 0.8 second to repeat the song currently played.
Press the button for more than 0.8 second to repeat the entire songs in the iPod.

3. TRACK ∧ / ∨ button

Press the TRACK ∨ button to play from the beginning of the song currently played. And press it again to move and play the previous track.
Press the TRACK ∧ button to move to the next track.

4. SEEK ∧ / ∨ button

Press the SEEK ∨ button to play the song in reverse direction in fast speed
Press the SEEK ∧ button to play the song in forward direction in fast speed

5. CD / AUX selection button

If iPod is connected, it switches to the iPod mode from the CD mode to play the song files stored in the iPod. If there are no CD and AUX mode from the Radio mode, it displays “No Media”.

6. SCAN play button

Plays 10 seconds of each song in the iPod device. Press the button once again to cancel scanning.

7. Display

Display currently time, mode, play track number, play time, RDM, RPT and SCAN status.

8. FOLDER ∧ / ∨ button

Press FOLDER ∨ button to move the category and displays the first song in the category. Press ENTER button to move to the category displayed. It will play the first song in the folder.
Press FOLDER ∧ button to move the category and displays the first song in the category. Press ENTER button to move to the category displayed.

9. TUNE FILE ∧ / ∨ button

Press the TUNE FILE ∨ button to play from the beginning of the song currently played. And press it again to move and play the previous track.
Press the TUNE FILE ∧ button to move to the next track.

10. INFO button

Displays the information of the file currently played in the order of TITLE → ARTIST → ALBUM → NORMAL DISPLAY → TITLE → …(Displays no information if the file has no song information)

✱ NOTICE FOR USING iPod DEVICE

- Some iPod models might not support the communication protocol and the files will not be played. (iPod models supported: Mini, 4G, Photo, Nano, 5G)
- The order of search or playback of songs in the iPod can be different from the order searched in the audio system.
- If the iPod crashes due to its own trouble, reset iPod. (Reset: Refer to iPod manual)
- iPod may not operate normally on low battery.

⚠ CAUTION IN USING iPod DEVICE

- *You need the power cable exclusive for iPod in order to operate iPod with the buttons on the audio system. The PC cable provided by Apple may cause malfunction and do not use it for vehicle use.*
- *When connecting the device with iPod cable, push in the jack fully not to interfere with communication.*
- *When adjusting the sound effects of iPod and the audio system, the sound effects of both devices will overlap each and might cause reduce or distort the quality of the sound.*
- *Deactivate (turn off) the equalizer function of iPod when adjusting the audio system's volume, and turn off the equalizer of the audio system when using the equalizer of iPod.*

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- *When the iPod cable is connected, the system can be switched to the AUX mode even without the iPod device and can cause noise. Disconnect iPod cable when you are not using the iPod device.*

XM SATELLITE RADIO (PA710BKLX, USA)

1. **XM selection button**
2. **SEEK ∧ / ∨ button**
3. **POWER on/off & volume control button**
4. **SCAN button**
5. **Display**
6. **Preset channel button**
7. **SETUP Button**
8. **CAT FOLDER ∧ / ∨ button**

1. XM selection button

Turns to XM Satellite Radio mode. XM mode toggles in order to XM1 → XM2 → XM3 → XM1... When the button is pressed each time.

2. SEEK ∧ / ∨ button

- Press SEEK ∨ button to continously move to previous channel
- Press SEEK ∧ button to continously move to next channel

3. POWER on/off & volume control button

Turn on/off the set When the IGNITION SWITCH is on ACC or ON. If the button is turned to the right, it increases the volume and left, decreases the volume.

4. SCAN button

Press to hear a brief sampling of all channel. To cancel the SCAN mode, press the button once again

5. Display

Display currently time, mode, station name, category.

6. Preset channel button

Press [1] ~ [6] buttons less than 0.8 second to play the channel saved in each button. Press preset button for 0.8 second or longer to save current channel to the respective button with a beep

7. SETUP button

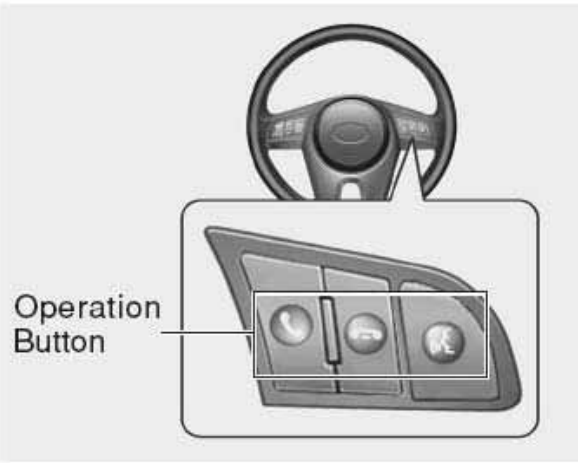
Pressing the button changed the CLOCK, TONE, POSITION, AVC, TEMP, SCROLL AND BLUETOOTH.

8. CAT FOLDER ∧ / ∨ button

- Press CAT FOLDER ∨ button to search previous category.
- Press CAT FOLDER ∧ button to search next category.

To listen to the displayed category, press the ENTER button. To search channel in displayed category, press the SEEK ∧ / ∨ button. (CATEGORY icon is will be turned on in Category mode)

■ BLUETOOTH PHONE OPERATION



Phone Setup

• Pair phone

To use the hands?free system, you need to register your phone in the system. 5 phone can be register.

1. Press the button.
2. Say "Set Up".
3. Say "Pair Phone".
4. Say "Yes".
5. Say the name of the contact.
6. Say "Yes".
7. The Pairing Procedure of the cellular phone varies according to each cellular phone.

✻ NOTICE

The system may not function in the following cases:
If 5 phones have already been registered.
If the system cannot communicate with the phone.

• Select phone

The registered phones can be selected. When the system connects to Bluetooth, the phone previously used is automatically selected. Select a different phone if necessary. Only the selected phone can be used with the hands-free system.

1. Press the button .
2. Say "Set Up".
3. Say "Select Phone".
4. Say the name of the contact or the number of the contact.
5. Say "Yes".

✻ NOTICE

The system may not function in the following cases:
If the phone is not found.
If the system does not recognize the voice command.

• Delete phone

The registered phones can be deleted.

1. Press the button.
2. Say "Set Up".
3. Say "Delete Phone".
4. Say the name of the contact , the number of the contact or "Delete all phone".
5. Say "Yes".

• Change Priority

The registered phone can be changed connection priority.

1. Press the button.
2. Say "Set Up".
3. Say "Priority".
4. Say the name of the contact or the number of the contact.
5. Say "Yes".

• Bluetooth on / off

Bluetooth function can be switched On/ OFF initial status : Bluetooth On

1. Press the button.
2. Say "Set Up".
3. Say "Bluetooth off".
4. Say "Yes".

• If Bluetooth off status

1. Press the send or end or button.
2. Say "yes".
3. Bluetooth on.

Phone Book

• Add Entry

Phone numbers and voice tags can be registered. And Registered entry in phone can be transfer.

• Add Entry by Voice

1. Press the button.
2. Say "phonebook".
3. Say "add entry".
4. Say "by voice".
5. Say the name of the contact.
6. Say "yes".
7. Say the phone number.
8. Say "store".
9. Say "Say "Home", "Office", "Mobile", "Other" or "default".
10. Say "Yes" to store an additional location for this contact.

• Add Entry by phone

1. Press the button.
2. Say "phonebook".
3. Say "add entry".
4. Say "by phone".
5. Say "yes".
6. The Transfer Procedure of the cellular phone varies according to each cellular phone.

• Change Name

The registered names can be changed.

1. Press the button.
2. Say "phonebook".
3. Say "Change name".
4. Say the name of the phonebook [voice tag].
5. Say "yes".
6. Say the phonebook name to changed.

• Delete name

The registered names can be deleted.

1. Press the button.
2. Say "phonebook".
3. Say "Delete name".
4. Say the name of the contact.
5. Say "yes".

Making a phone call

• Call by Name

The system dials the numbers corresponding to the spoken names registered in the system.

1. Press the button.
2. Say "Call".
3. Say "name".
4. Say "John" [Registered phonebook 5. name].
6. Say "at home".
7. Say "yes".

✻ Tip

A shortcut to each of the following functions is available.

1. Say "Call name".
2. Say "Call john".
3. Say "Call john at home".

• Dial by Number

The system dials to the spoken numbers. To make a phone call.

The system can recognize single digits from zero to nine.

1. Press the button.
2. Say "Call".
3. Say "Number".
4. Say "<digit number>".
5. Say "<added digit number>".
6. Say "Dial".

✻ Tip

A shortcut to each of the following functions is available.

1. Say "Dial number".
2. Say "Dial <digit>".

Receiving a phone call

When receiving a phone call, a ring tone is audible and the system changes into the telephone mode.

When receiving a phone call, the display is as follows: Number and "Incoming" is displayed.

Do either one of the following:

Pushing the send switch allows you to talk on the phone.

Pushing the end switch refuses the call.

To adjust the ring volume, push "+" or "-" on the steering volume controls.

Volume adjustment cannot be done using the audio system.

To transfer a call to the phone:

The received call can be transferred from the hands-free system to the cellular phone that is connected to Bluetooth.

For details, refer to the user's guide for the cellular phone.

Or see Key matrix(page21)

Talking on the phone

While talking on the phone, the display is as follows. The display differs depending on whether or not the vehicle is in motion.

Number and "active call" is displayed.

When the call is finished, push the end switch.

✻ NOTICE

In the following situations, your voice may not reach the party:

1. **Talk alternately with the other party on the phone. If you talk at the same time, the voice may not reach each other. (It is not a malfunction.)**
2. **Keep the volume of receiving voice down. Otherwise, echo is coming up. When you talk on the phone, speak clearly towards the microphone.**
3. **When driving on a rough road.**
4. **When driving at high speeds,**
5. **When the window is open.**
6. **When the air conditioning vents face the microphone.**
7. **When the sound of the air conditioning fan is loud.**

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RADIO, SETUP, VOLUME CONTROL(PA760BKLX, USA)

1. FM/AM selection button

2. SEEK TRACK ∧ / ∨ button

3. POWER on/off & volume control button

4. SCAN button

5. Display

6. Preset channel button

7. SETUP Button

8. TUNE FILE UP/DOWN button

9. CD / AUX selection button

10. XM selection button

11. DISP selection button

1. FM/AM selection Button

Turn to FM or AM mode, and toggles in the order of FM1→ FM2→AM→FM1... when the button is pressed each time.

2. SEEK TRACK ∧ / ∨ Button

When the [SEEK ∧ / ∨] button is pressed, it increases / decreases the band frequency by 200kHz to automatically select channel. Stops at the previous frequency if no channel is found.

3. POWER on/off & volume control button

Turn on/off the set When the IGNITION SWITCH is on ACC or ON. If the button is turned to the right, it increases the volume and left, decreases the volume.

4. SCAN Button

If this button is pressed, the frequencies will become increased and receive the corresponding broadcasts. This function will play the frequencies for 5 seconds (XM MODE: 10 seconds) each and find other broadcasts as the frequency increases. Press the button again when desiring to continue listening to the currently playing broadcast.

5. Display

Display currently time, mode, frequency SCAN status and preset channel.

6. Preset channel button

Press [1] ~ [6] buttons less than 0.8 second to play the channel saved in each button. Press preset button for 0.8 second or longer to save current channel to the respective button with a beep

7. SETUP Button

Pressing the button changed the CLOCK, TONE, POSITION, AVC, TEMP, SCROLL AND BLUETOOTH option mode.

8. TUNE FILE ∧ / ∨ button

When the [TUNE ∧ / ∨] button is pressed, it increases / decreases the band frequency by 200kHz from current frequency.

9. CD/AUX selection button

If there is a CD in the CDP DECK it turns to CD mode, and if a device is connected to AUX then it toggles.

CD → AUX → CD… when the button is pressed each time. (It will not turn to AUX if the auxiliary device is not connected)

10. XM selection button

When this button is pressed, the mode turns to XM satellite Radio.

11. DISP selection button

Turns on/off the displayed data and light on LCD

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CDC(PA760BKLX, USA)

1. RDM Play button
2. RPT button
3. CD Loading Slot
4. CD Eject button
5. SEEK TRACK ∧ / ∨ button
6. DISC ∧ / ∨ button
7. XM Selection button
8. SCAN Play button
9. LOAD button
10. CAT FOLDER ∧ / ∨ button
11. TUNE FILE ∧ / ∨ button
12. INFO button
13. Display

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1. RDM play button

Turns on/off the randomization of the play list of files in the currently played DISC. To cancel the mode, press the button once again.

If loaded CD has a file folder, RANDOM PLAY button operates below

- Press button for less than 0.8 second to play randomized files in folder

- Press button for 0.8 second or longer to play randomized all files in CD

2. RPT button

Repeats current song when the button is pressed for less than 0.8 second. Repeats the entire DISC when the button is pressed for 0.8 second or longer

3. CD Loading Slot

Please face printed side upward and gently Press in. When the ignition switch is on ACC or ON and power is off, power is automatically turned on if the CD is loaded. This CDP supports only 12cm CD. If VCD, Data CD are loaded, “Reading Error” message will appear and CD will be ejected.

4. CD Eject button

- Press ▲ button for less than 0.8 second to eject the CD during CD playback.

- Press ▲ button for 0.8 second or longer to eject all the CD in deck

- This button is enabled when ignition switch is off.

5. SEEK TRACK ∧ / ∨ button

- Press SEEK TRACK ∨ button for less than 0.8 second and press again with 1 seconds to play the previous song.

- Press SEEK TRACK ∨ button for 0.8 second or longer to initiate reverse direction high speed sound search of current song

- Press SEEK TRACK ∧ button for less than 0.8 second to play the next song

- Press SEEK TRACK ∧ button for 0.8 second or longer to initiate high speed sound search of current song

6. DISC ∧ / ∨ button

- Press DISC ∨ button to change disc to the previous disc

- Press DISC ∨ button to change disc to the next disc

7. XM selection button

When this button is pressed, the mode turns to XM satellite Radio

8. SCAN play button

Play first 10 seconds of each song in the DISC. To cancel the mode, press the button once again

9. LOAD button

Press LOAD button to load CDs to availavle CDC deck (from 1 ~ 6). Press LOAD button for more than 2seconds to load into all available decks. The last CD will play. 10 seconds idle status will disable loading precess.

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10. CAT FOLDER ∧ / ∨ Button

When loaded CD has file folders, FOLDER ∧ / ∨ button operates below

Press FOLDER ∨ button to move child folder of the current folder and displays the first song in the folder. Press ENTER button to move to the folder displayed. It will play the first song in the folder.
Press FOLDER ∧ button to move parent folder and displays the first song in the folder. Press ENTER button to move to the folder displayed.

11. TUNE FILE ∧ / ∨ BUTTON

When loaded CD has a mp3 or WMA files , TUNE FILE ∧ / ∨ button operates below

Press TUNE FILE ∧ button to play next song
Press TUNE FILE ∨ button to play previous song

12. INFO button

Displays the information of the current CD TRACK in the order of DISC TITLE → DISC ARTIST → TRACK TITLE → TRACK ARTIST → TOTAL TRACK → play screen → DISC TITLE → …(not displayed if the information is not available on the DISC.)

13. Display

Display currently time, mode, play track number, play time, RDM, RPT, current DISC and SCAN status.

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⚠ CAUTION IN USING USB DEVICE

- *To use the external USB device, make sure the device is not mounted when starting up the vehicle and mount the device after starting up.*
- *If you start the vehicle when the USB device is mounted, it may damage the USB device. (USB is not ESA)*
- *If the vehicle is started up or turned off while the external USB device is connected, the external USB device may not work.*
- *It may not play inauthentic MP3 or WMA files.*
  1) It can only play MP3 files with the compression rate between 8Kbps~320Kbps.
  2) It can only play WMA music files with the compression rate between 8Kbps~320Kbps.
- *Take cautions for static electricity when mounting or dismounting the external USB device.*
- *Encoded MP3 PLAYER is not recognizable.*

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(Continued)

- *Depending on the condition of the external USB device, the connected external USB device can be unrecognizable.*
- *When the formatted byte/sector setting of External USB devices is not either 512BYTE or 2048BYTE, then the device will not be recognized.*
- *Only the USB device formatted to FAT 12/16/32.*
- *USB device without USB IF authentication may not be recognizable.*
- *Make sure the USB connection terminal does not come in contact with human body or any object.*
- *If you repeat mounting or dismounting USB device in a short period of time, it may break the device.*
- *You might hear strange noise when mounting or dismounting a USB device.*

(Continued)

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- *If you dismount the external USB device during playback in USB mode, the external USB device can be damaged or malfunction. Therefore, mount the external USB device when the engine is turned off or in another mode.*
- *Depending on the type and capacity of the external USB device or the type of the files stored in the device, there is a difference in the time taken for recognition of the device, but this is not a trouble Please wait for a moment.*
- *Do not use the USB device for other purposes than playing music files.*
- *Use of USB accessories such as the recharger or heater using USB I/F may lower the performance or cause trouble.*
- *If you use devices such as the USB hub you purchased separately, the vehicle's audio system may not recognize the USB device. Connect the USB device directly to the multimedia terminal of the vehicle.*

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USING USB(PA760BKLX, USA)

1. RDM Play button
2. RPT button
3. SEEK TRACK ∧ / ∨ button
4. CD / AUX selection button
5. SCAN play button
6. CAT FOLDER ∧ / ∨ button
7. TUNE FILE ∧ / ∨ button
8. INFO button
9. Display

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1. RDM Play Button

Press the button for less than 0.8 second to start or stop the random playback of the songs in the current folder.
Press the button for more than 0.8 second to randomly play the entire songs in the USB device. Press the button again to cancel the mode

2. RPT Button

Press the button for less than 0.8 second to repeat the song currently played.
Press the button for more than 0.8 second to repeat the entire songs in the USB device.

3. SEEK TRACK ∧ / ∨ button

-Press the SEEK TRACK ∨ button for less than 0.8 sceond to play from the beginning of the song currently played. Press the button for less than 0.8 second and press it again within 1 seconds to move and play the previous track. press thhe button for 0.8 second or longer to play songs reverse direction in fast speed.

- Press the SEEK TRACK ∨ button for less than 0.8 second to move to the next track. Press the button for 0.8 second or longer to play the song in forward direction in fast speed.

4. CD / AUX selection button

If USB is connected, it switches to the USB mode from the CD mode to play the song files stored in the USB. If there are no CD and USB mode from the Radio mode, it displays “No Media”.

5. SCAN play button

Plays 10 seconds of each song in the USB device. Press the button once again to cancel scanning.

6. CAT FOLDER ∧ / ∨ button

Press FOLDER ∨ button to move child folder of the current folder and displays the first song in the folder. Press ENTER button to move to the folder displayed. It will play the first song in the folder.
Press FOLDER ∧ button to move parent folder and displays the first song in the folder. Press ENTER button to move to the folder displayed

7. TUNE FILE ∧ / ∨ button

Press the TUNE FILE ∨ button to play from the beginning of the song currently played. And press it again to move and play the previous track.
Press the TUNE FILE ∧ button to move to the next track.

8. INFO button

Displays the information of the file currently played in the order of FILE NAME → TITLE → ARTIST → ALBUM → FOLDER → TOTAL FILE → NORMAL DISPLAY → FILE NAME → …(Displays no information if the file has no song information)

9. Display

Display currently time, mode, play track number, play time, RDM, RPT and SCAN status.

RUNNING iPod (PA760BKLX, USA)

1. RDM Play button
2. RPT button
3. SEEK TRACK ∧ / ∨ button
4. CD / AUX selection button
5. SCAN play button
6. CAT FOLDER ∧ / ∨ button
7. TUNE FILE ∧ / ∨ button
8. INFO button
9. Display

iPod is a trademark of Apple Inc.

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In case the iPod exclusive cable is connected to the multiple terminal inside the consol on the right hand side of the driver's seat. When the iPod is connected, the 'iPod' icon will be displayed

1. RDM Play Button

Press the button for less than 0.8 second to to activate or deactivate the random playback of the songs within the current category. Press the button for longer than 0.8 second to randomly play all songs in the entire album of the iPod. Press the button once again to cancel the mode.

2. RPT Button

Press the button for less than 0.8 second to repeat the song currently played.
Press the button for more than 0.8 second to repeat the entire songs in the iPod.

3. TRACK ∧ / ∨ button

Press the TRACK ∨ button to play from the beginning of the song currently played. And press it again to move and play the previous track.
Press the TRACK ∧ button to move to the next track.

3. RANDOM Playback Button

Press the button for less than 0.8 second to activate or deactivate the random playback of the songs within the current category. Press the button for longer than 0.8 second to randomly play all songs in the entire album of the iPod.
Press the button once again to cancel the mode.

4. REPEAT Button

Repeats the song currently played.

5. iPod Selection Button

If iPod is connected, it switches to the iPod mode from the CD mode to play the song files stored in the iPod. If there are no CD and AUX mode from the Radio mode, it displays "NO Media".

6. TUNE/ENTER Knob

When you turn the button clockwise, it will display the songs(category) next to the song currently played(category in the same level). Also, when you turn the button counterclockwise, it will display the songs(category) before the song currently played(category in the same level).
If you want to listen to the song displayed in the song category, press the button, then it will skip to the selected song and play.
Pressing the button changes the BASS, MIDDLE, TREBLE, FADER and BALANCE TUNE mode. The mode selected is shown on the display. After selecting each mode, rotate the Audio control knob clockwise or counterclockwise.

BASS Control
To increase the BASS, rotate the knob clockwise, while to decrease the BASS, rotate the knob counterclockwise.

MIDDLE Control
To increase the MIDDLE, rotate the knob clockwise, while to decrease the MIDDLE, rotate the knob counterclockwise.

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✱ NOTICE FOR USING iPod DEVICE

- Some iPod models might not support the communication protocol and the files will not be played. (iPod models supported: Mini, 4G, Photo, Nano, 5G)
- The order of search or playback of songs in the iPod can be different from the order searched in the audio system.
- If the iPod crashes due to its own trouble, reset iPod. (Reset: Refer to iPod manual)
- iPod may not operate normally on low battery.

⚠ CAUTION IN USING iPod DEVICE

- *You need the power cable exclusive for iPod in order to operate iPod with the buttons on the audio system. The PC cable provided by Apple may cause malfunction and do not use it for vehicle use.*
- *When connecting the device with iPod cable, push in the jack fully not to interfere with communication.*
- *When adjusting the sound effects of iPod and the audio system, the sound effects of both devices will overlap each and might cause reduce or distort the quality of the sound.*
- *Deactivate (turn off) the equalizer function of iPod when adjusting the audio system's volume, and turn off the equalizer of the audio system when using the equalizer of iPod.*

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- *When the iPod cable is connected, the system can be switched to the AUX mode even without the iPod device and can cause noise. Disconnect iPod cable when you are not using the iPod device.*

XM SATELLITE RADIO (PA760BKLX, USA)

1. **XM selection button**
2. **SEEK ∧ / ∨ button**
3. **POWER on/off & volume control button**
4. **SCAN button**
5. **Display**
6. **Preset channel button**
7. **SETUP Button**
8. **CAT FOLDER ∧ / ∨ button**

1. XM selection button

Turns to XM Satellite Radio mode. XM mode toggles in order to XM1 → XM2 → XM3 → XM1... When the button is pressed each time.

2. SEEK ∧ / ∨ button

- Press SEEK ∨ button to continously move to previous channel
- Press SEEK ∧ button to continously move to next channel

3. POWER on/off & volume control button

Turn on/off the set When the IGNITION SWITCH is on ACC or ON. If the button is turned to the right, it increases the volume and left, decreases the volume.

4. SCAN button

Press to hear a brief sampling of all channel. To cancel the SCAN mode, press the button once again

5. Display

Display currently time, mode, station name, category.

6. Preset channel button

Press [1] ~ [6] buttons less than 0.8 second to play the channel saved in each button. Press preset button for 0.8 second or longer to save current channel to the respective button with a beep

7. SETUP button

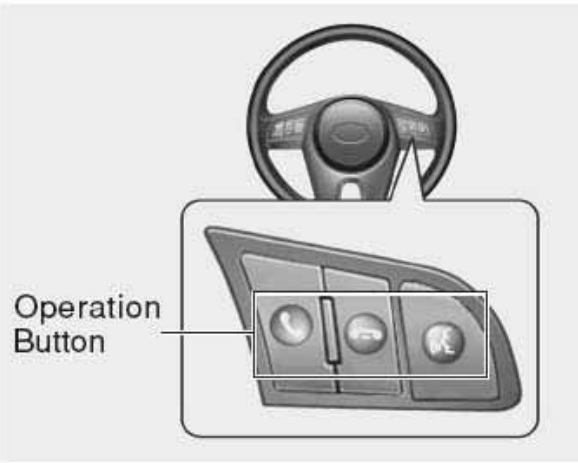
Pressing the button changed the CLOCK, TONE, POSITION, AVC, TEMP, SCROLL AND BLUETOOTH.

8. CAT FOLDER ∧ / ∨ button

- Press CAT FOLDER ∨ button to search previous category.
- Press CAT FOLDER ∧ button to search next category.

To listen to the displayed category, press the ENTER button. To search channel in displayed category, press the SEEK ∧ / ∨ button. (CATEGORY icon is will be turned on in Category mode)

■ BLUETOOTH PHONE OPERATION



Phone Setup

• Pair phone

To use the hands?free system, you need to register your phone in the system. 5 phone can be register.

1. Press the button.
2. Say "Set Up".
3. Say "Pair Phone".
4. Say "Yes".
5. Say the name of the contact.
6. Say "Yes".
7. The Pairing Procedure of the cellular phone varies according to each cellular phone.

✻ NOTICE

The system may not function in the following cases:
If 5 phones have already been registered.
If the system cannot communicate with the phone.

• Select phone

The registered phones can be selected. When the system connects to Bluetooth, the phone previously used is automatically selected. Select a different phone if necessary. Only the selected phone can be used with the hands-free system.

1. Press the button .
2. Say "Set Up".
3. Say "Select Phone".
4. Say the name of the contact or the number of the contact.
5. Say "Yes".

✻ NOTICE

The system may not function in the following cases:
If the phone is not found.
If the system does not recognize the voice command.

• Delete phone

The registered phones can be deleted.

1. Press the button.
2. Say "Set Up".
3. Say "Delete Phone".
4. Say the name of the contact , the number of the contact or "Delete all phone".
5. Say "Yes".

• Change Priority

The registered phone can be changed connection priority.

1. Press the button.
2. Say "Set Up".
3. Say "Priority".
4. Say the name of the contact or the number of the contact.
5. Say "Yes".

• Bluetooth on / off

Bluetooth function can be switched On/ OFF initial status : Bluetooth On

1. Press the button.
2. Say "Set Up".
3. Say "Bluetooth off".
4. Say "Yes".

• If Bluetooth off status

1. Press the send or end or button.
2. Say "yes".
3. Bluetooth on.

Phone Book

• Add Entry

Phone numbers and voice tags can be registered. And Registered entry in phone can be transfer.

• Add Entry by Voice

1. Press the button.
2. Say "phonebook".
3. Say "add entry".
4. Say "by voice".
5. Say the name of the contact.
6. Say "yes".
7. Say the phone number.
8. Say "store".
9. Say "Say "Home", "Office", "Mobile", "Other" or "default".
10. Say "Yes" to store an additional location for this contact.

• Add Entry by phone

1. Press the button.
2. Say "phonebook".
3. Say "add entry".
4. Say "by phone".
5. Say "yes".
6. The Transfer Procedure of the cellular phone varies according to each cellular phone.

• Change Name

The registered names can be changed.

1. Press the button.
2. Say "phonebook".
3. Say "Change name".
4. Say the name of the phonebook [voice tag].
5. Say "yes".
6. Say the phonebook name to changed.

• Delete name

The registered names can be deleted.

1. Press the button.
2. Say "phonebook".
3. Say "Delete name".
4. Say the name of the contact.
5. Say "yes".

Making a phone call

• Call by Name

The system dials the numbers corresponding to the spoken names registered in the system.

1. Press the button.
2. Say "Call".
3. Say "name".
4. Say "John" [Registered phonebook 5. name].
6. Say "at home".
7. Say "yes".

✻ Tip

A shortcut to each of the following functions is available.

1. Say "Call name".
2. Say "Call john".
3. Say "Call john at home".

• Dial by Number

The system dials to the spoken numbers. To make a phone call.

The system can recognize single digits from zero to nine.

1. Press the button.
2. Say "Call".
3. Say "Number".
4. Say "<digit number>".
5. Say "<added digit number>".
6. Say "Dial".

✻ Tip

A shortcut to each of the following functions is available.

1. Say "Dial number".
2. Say "Dial <digit>".

Receiving a phone call

When receiving a phone call, a ring tone is audible and the system changes into the telephone mode.

When receiving a phone call, the display is as follows: Number and "Incoming" is displayed.

Do either one of the following:

Pushing the send switch allows you to talk on the phone.

Pushing the end switch refuses the call.

To adjust the ring volume, push "+" or "-" on the steering volume controls.

Volume adjustment cannot be done using the audio system.

To transfer a call to the phone:

The received call can be transferred from the hands-free system to the cellular phone that is connected to Bluetooth.

For details, refer to the user's guide for the cellular phone.

Or see Key matrix(page21)

Talking on the phone

While talking on the phone, the display is as follows. The display differs depending on whether or not the vehicle is in motion.

Number and "active call" is displayed.

When the call is finished, push the end switch.

✻ NOTICE

In the following situations, your voice may not reach the party:

1. **Talk alternately with the other party on the phone. If you talk at the same time, the voice may not reach each other. (It is not a malfunction.)**
2. **Keep the volume of receiving voice down. Otherwise, echo is coming up. When you talk on the phone, speak clearly towards the microphone.**
3. **When driving on a rough road.**
4. **When driving at high speeds,**
5. **When the window is open.**
6. **When the air conditioning vents face the microphone.**
7. **When the sound of the air conditioning fan is loud.**

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 in a residential installation. This equipment generates, uses and can radiate radio frequency energy and, if not installed and used in accordance with the instructions, may cause harmful interference to radio communications. However, there is no guarantee that interference will not occur in a particular installation. If this equipment does cause harmful interference to radio or television reception, which can be determined by turning the equipment off and on, the user is encouraged to try to correct the interference by one or more of the following measures:

-Reorient or relocate the receiving antenna.

-Increase the separation between the equipment and receiver.

-Connect the equipment into an outlet on a circuit different from that to which the receiver is connected.

-Consult the dealer or an experienced radio/TV technician for help.

You are cautioned that changes or modifications not expressly approved by the party responsible for compliance could void your authority to operate the equipment.

FCC RF Radiation Exposure Statement:

1.This Transmitter must not be co-located or operating in conjunction with any other antenna or transmitter.

2.This equipment complies with FCC RF radiation exposure limits set forth for an uncontrolled environment. This equipment should be installed and operated with a minimum distance of 20 centimeters between the radiator and your body.