



FCC ID: PINPA760LMLSB / IC: 4018A-PA760LMC

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## ATTACHMENT E.

- User Manual -

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**1/1**

**RADIO, SET UP, VOLUME, AUDIO CONTROL(PA710, GENERAL MODEL)**



- 1. Power ON/OFF&Volume Control Button
- 2. FM Selection Button
- 3. AM Selection Button
- 4. Automatic Channel Selection Button
- 5.Preset Button
- 6. AST(AUTO STORE Button)
- 7. SETUP Button
- 8. Manual Channel Selector & Sound Quality Control

## Knowing your vehicle

### RADIO, SET UP, VOLUME, AUDIO CONTROL(PA710S, USA MODEL)



1. Power ON/OFF&Volume Control Button
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RADIO, SET UP, VOLUME, AUDIO CONTROL(PA760S, USA MODEL)



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### 1. Power ON/OFF&Volume Control Button

Turns 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.

### 2. FM Selection Button

Turns to FM mode and toggles FM1and FM2 when the button is pressed each time.

### 3. AM Selection Button

Pressing the [AM] button selects the AM band. AM Mode is displayed on the LCD.

### 4. Automatic Channel Selection Button

- When the [SEEK  $\wedge$ ] button is pressed, it increases the band frequency to automatically select channel. Stops at the previous frequency if no channel is found.
- When the [TRACK  $\vee$ ] button is pressed, it reduces the band frequency to automatically select channel. Stops at the previous frequency if no channel is found.

### 5. Preset Button

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

### 6. AST(AUTO STORE Button)

When the button is pressed, it automatically selects and saves channels with high reception rate to PRESET buttons [1]~[6] and plays the channel saved in PRESET1. If no channel is saved after AST, it will play the previous channel.

### 7. SETUP Button

- GENERAL MODEL

Press this button to turn to the TEXT SCROLL adjustment mode. If no action is taken for 5 seconds after pressing the button, it will return to the play mode. (After entering SETUPmode, PUSH functions of the TUNE button to adjust TEXT SCROLL.)

- USA MODEL(PA710S ONLY)

Press this button to turn to the XM option,TEXT SCROLL and adjustment mode. If no action is taken for 5 seconds after pressing the button, it will return to theplay mode.(After entering SETUP mode, move between items using the left, right and PUSH functions of the TUNE button.) The setup item changes from TEXT SCROLL→XM...

- USA MODEL

Press this button to turn to the XM option,TEXT SCROLL, SURROUND and adjustment mode. If no action is taken for 5 seconds after pressing the button, it will return to theplay mode.(After entering SETUP mode, move between items using the left, right and PUSH functions of the TUNE button.) The setup item changes from TEXT SCROLL→SURROUND→XM...

• EUROPE MODEL

Press this button to turn to the RDS option, TEXT SCROLL adjustment mode. If no action is taken for 5 seconds after pressing the button, it will return to the play mode. (After entering SETUP mode, move between items using the left, right and PUSH functions of the TUNE button.) The setup item changes from TEXT SCROLL→AF→RDSNEWS→REGION→TA VOL

**8. Manual Channel Selector & Sound Quality Control**

Turn this control while listening to a radio channel to manually adjust frequency. Turn clockwise to increase frequency and counterclockwise to reduce frequency.

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.

**TREBLE Control**

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

**FADER Control**

Turn the control knob clockwise to emphasize rear speaker sound (front speaker sound will be attenuated). When the control knob is turned counterclockwise, front speaker sound will be emphasized (rear speaker sound will be attenuated).

**BALANCE Control**

Rotate the knob clockwise to emphasize right speaker sound (left speaker sound will be attenuated). When the control knob is turned counterclockwise, left speaker sound will be emphasized (right speaker sound will be attenuated).

**9. 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.

**10. TA Selection Button**

In FM, CD, AUX mode, turns on/off the reception of TA channels of RDS.

**11. PTY (FLDR) Button**

- Moves [FOLDER ∨] Button when searching PTY in RDS Broadcasting Program Type selection.
- Moves [PTY ∧] button when searching PTY in RDS Broadcasting Program Type selection.

**12. FM/AM Selection Button**

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

CDP, AUX(PA710S, USA MODEL)



- 1. CD Loading Slot
- 2. CD Eject Button
- 3. INFO Button
- 4. Automatic Track Selection Button
- 5. RANDOM Play Button
- 6. REPEAT Button
- 7. CD/AUX Selection Button
- 8. CD Indicator
- 9. Folder Moving Button
- 10. Search/ENTER Button
- 11. SCAN Play Button

## Knowing your vehicle

### CDC, AUX(PA760S, USA MODEL)





### 1. CD Loading Slot

Please face printed side upward and gently push 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.

### 2. CD Eject Button

Push **▲** button for less than 0.8 seconds to eject the CD during CD playback. This button is enabled when ignition switch is off.

- ALL EJECT(CDC Only)

Press this button for more than 0.8 seconds to eject all discs inside the deck in respective order.

### 3. INFO Button

Displays the information of the current CD TRACK(FILE) as below when the button is pressed each time.

- CDDA : DISC TITLE →DISC ARTIST→  
TRACK TITLE→TRACK ARTIST→  
TOTAL TRACK...

- MP3/WMA : FILE NAME→TITLE→  
ARTIST→ALBUME→FOLDER NAME→  
TOTAL FILE... (not displayed if the information is not available on the DISC.)

### 4. Automatic Track Selection Button

- Push [TRACK **∨**] button for less than 0.8 second to play from the beginning of current song.Z
- Push [TRACK **∨**] button for less than 0.8 second and press again within 1 seconds to play the previous song.
- Push [TRACK **∨**] button for 0.8 or longer to initiate reverse direction high speed sound search of current song.
- Push [SEEK **∧**] button for less than 0.8 second to play the next song.
- Push [SEEK **∧**] button for 0.8 or longer to initiate high speed sound search of current song.

### 5. RANDOM Play Button

Press this button for less than 0.8 second to activate 'RDM' mode and more than 0.8 seconds to activate 'ALL RDM' mode.

- RDM : Only files/tracks in a folder/disc are played back in a random sequence.
- ALL RDM(MP3/WMA Only) : All files in a disc are played back in the random sequence.

### 6. REPEAT Button

Press this button for less than 0.8 second to activate 'RPT' mode and more than 0.8 seconds to activate 'FLD RPT' mode.

- RPT : Only a track(file) is repeatedly played back.
- FLD RPT(MP3/WMA Only) : Only files in a folder are repeatedly played back.

### 7. CD or CD/AUX or CD/AUX/RSE Selection Button

- CD Selection Button

If the CD is loaded, turns to CD mode. If no CD, it displays "NO Disc" for 3 seconds and returns to th previous mode.

## Knowing your vehicle

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- **CD/AUX Selection Button**

If the auxiliary device is connected, it switches to the AUX mode from the other mode to play the sound from the auxiliary player. If the CD is loaded, 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) If no CD and auxiliary device is not connected, it displays "NO Media" for 3 seconds and returns to the previous mode.

- **CD/AUX/RSE Selection Button**

If the auxiliary device is connected, it switches to the AUX mode from the other mode to play the sound from the auxiliary player. If the CD is loaded, turns to CD mode, and if a device is connected to AUX and there is a CD in the RSE then it toggles. CD→AUX→RSE→CD... when the button is pressed each time. (It will not turn to AUX and RSE if the auxiliary device is not connected and there is no CD in the RSE) If no CD and auxiliary device is not connected, it displays "NO Media" for 3 seconds and returns to the previous mode.

### **8. CD Indicator(CDP Only)**

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.

### **9. Folder Moving Button**

- Moves [FOLDER∨] button child folder of the current folder and displays the first song in the folder. Press TUNE/ENTER knob to move to the folder displayed. It will play the first song in the folder.
- Moves [CAT∧], [PTY∧], [FOLDER∧] button parent folder and displays the first song in the folder. Press TUNE/ENTER knob to move to the folder displayed.

### **10. Search/ENTER Button**

Turn this button clockwise to display the songs next to the currently played song. Turn the button counterclockwise to display the songs before the currently played song. Press the button to skip and play the selected song.

### **11. SCAN Play Button**

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

### **12. DISC Selection Button**

- [DISC∨] Change Button Changes disc to the previous disc.
- [DISC∧] Change Button Changes disc to the next disc.

### **13. CD LOAD Button**

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

### **14. AUX Selection Button**

If the auxiliary device is connected, it turns to AUX mode from the other mode to play the sound from the auxiliary player. If no auxiliary device is connected, it displays "NO Media" for 3 seconds and returns to the previous mode.

**⚠ 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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## Knowing your vehicle

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- *If USB device is divided by logical drives, only the music files on the highest-priority drive are recognized by car audio.*
- *Devices such as MP3 Player/ Cellular phone/Digital camera those are not recognizable by standard USB I/F can be unrecognizable.*
- *USB devices other than standardized goods (METAL COVER TYPE USB) can be unrecognizable.*
- *USB flash memory reader (such as CF, SD, microSD, etc.) or external-HDD type devices can be unrecognizable.*
- *Music files protected by DRM (DIGITAL RIGHTS MANAGEMENT) are not recognizable.*
- *The data in the USB memory may be lost while using this AUDIO, it is recommended to back up important data on a personal.*

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- *Please avoid using USB memory products which can be used as key chains or cellular phone accessories as they could cause damage to the USB jack. Please make certain only to use plug type connector products as shown below.*



## Knowing your vehicle

### USING USB(PA710S, USA MODEL)



USING USB(PA760S, USA MODEL)



- 1. INFO Selection Button
- 2. Track Moving Button
- 3. RANDOM Playback Button
- 4. REPEAT Button
- 5. USB Selection Button
- 6. Folder Moving Button
- 7. Search/ENTER Button
- 8. SCAN Selection Button

## Knowing your vehicle

### RUNNING iPod®(PA710S, USA MODEL)



1. INFO Selection Button
2. Track Moving Button
3. RANDOM Playback Button
4. REPEAT Button
5. iPod Selection Button
6. Category Selection Button
7. Search/ENTER Button

A-200CML

iPod® is a trademark of Apple Inc.

### RUNNING iPod(PA760S, USA MODEL)



1. INFO Selection Button
2. Track Moving Button
3. RANDOM Playback Button
4. REPEAT Button
5. iPod Selection Button
6. Category Selection Button
7. Search/ENTER Button



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 on the top left corner of the display screen.

### 1. INFO Selection 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.)

### 2. Track Moving Button

- Press the [SEEK ^] button for less than 0.8 second 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 the button for 0.8 second or longer to play the song in reverse direction in fast speed.
- Press the [TRACK V] 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.

### 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 no CD and auxiliary device is not connected, it displays "NO Media" for 3 seconds and returns to the previous mode.

### 6. Category Selection Button

Moves to the upper category from currentlyplayed category of the iPod. To move to(play) the category(song) displayed, MENU(preset6) You will be able to search through the lower category of the selected category. The order of iPod's category is SONG, ALBUMES, ARTISTS, GENRES, and iPod.

### 7. Search/ENTER Button

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.

**\* 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.*
- *When the iPod is not used at audio system, iPod cable has to be separate from iPod device. Origin display of iPod may not be displayed.*

## Knowing your vehicle

### XM SATELLITE RADIO(PA710S, USA MODEL)



1. XM Selection Button
2. INFO Button
3. Automatic Channel Selection Button
4. SCAN Button
5. CATEGORY Search Button
6. Manual Channel Selection Button
7. Preset Button

**XM SATELLITE RADIO(PA760S, USA MODEL)**



1. XM Selection Button
2. INFO Button
3. Automatic Channel Selection Button
4. SCAN Button
5. CATEGORY Search Button
6. Manual Channel Selection Button
7. Preset 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. INFO Button

Displays the information of the current channel in the order of Artist/Song title→Category/Channel name→Current Play Channel→Artist/Song title→Category/Channel name... when the button is pressed each time. If can not display the whole text information, rotate the tune button to see the next page.

### 3. Automatic Channel Selection Button

- Push [TRACK √] button for less than 0.8 second to select previous channel.
- Push [TRACK √] button for 0.8 second or longer to continuously move to previous channel.
- Push [SEEK ^] button for less than 0.8 second to select next channel.
- Push [SEEK ^] button for 0.8 second or longer to continuously move to next channel.
- Radio ID : Seek or Tune to XM channel 0 to display the Radio ID.

### 4. SCAN Button

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

### 5. CATEGORY Search Button

- Push [FOLDER √] button to search previous category.
- Push [CAT ^] button to search next category. To listen to the displayed category, press the TUNE/SETUP button. To scan channel in displayed category, press the scan button. To search channel in displayed category, press seek buttons or turn the tune button clockwise/counterclockwise.(CATEGORY icon is will be turned on in Category mode)

### 6. Manual Channel Selection Button

While listening to XM broadcast, rotate this control to the right or left to search other channels while listening to current channel. (Turn to the right to search higher channels and left, lower channels)

### 7. Preset Button

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

This equipment has been tested and found to comply with the limits for a Class A digital device, pursuant to part 15 of the FCC Rules. These limits are designed to provide reasonable protection against harmful interference in a residential installation. This equipment generates, uses and can radiate radio frequency energy and, if not installed and used in accordance with the instructions, may cause harmful interference to radio communications. However, there is no guarantee that interference will not occur in a particular installation. If this equipment does cause harmful interference to radio or television reception, which can be determined by turning the equipment off and on, the user is encouraged to try to correct the interference by one or more of the following measures:

- Reorient or relocate the receiving antenna.
- Increase the separation between the equipment and receiver.
- Connect the equipment into an outlet on a circuit different from that to which the receiver is connected.
- Consult the dealer or an experienced radio/TV technician for help.

Caution: Any changes or modifications to this device not explicitly approved by manufacturer could void your authority to operate this equipment.

This device complies with part 15 of the FCC Rules. Operation is subject to the following two conditions: (1) This device may not cause harmful interference, and (2) this device must accept any interference received, including interference that may cause undesired operation.

This equipment complies with FCC radiation exposure limits set forth for an uncontrolled environment. This equipment should be installed and operated with minimum 20 cm between the radiator and your body. This transmitter must not be collocated or operating in conjunction with any other antenna or transmitter unless authorized to do so by the FCC.

### **IC Warning**

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