Important (Serial number)
The serial number is located on the bottom of this unit. For your own security and convenience, be sure to record this number on the enclosed warranty card.
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Before You Start

Thank you for purchasing this PIONEER product
To ensure proper use, please read through this manual before using this product. It is especially important that you read and observe WARNINGs and CAUTIONs in this manual. Please keep the manual in a safe and accessible place for future reference.

FCC ID: AJDK071
MODEL NO.: DEH-X6900BT/DEH-X6910BT
IC: 775E-K071
This device complies with Part 15 of FCC Rules and 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 that may cause undesired operation of this device.
This transmitter must not be co-located or operated in conjunction with any other antenna or transmitter.
The Bluetooth antenna cannot be removed (or replaced) by user.
This equipment complies with FCC/IC radiation exposure limits set forth for an uncontrolled environment and meets the FCC radio frequency (RF) Exposure Guidelines and RSS-102 of the IC radio frequency (RF) Exposure rules. This equipment has very low levels of RF energy that it deemed to comply without maximum permissive exposure evaluation (MPE). But it is desirable that it should be installed and operated keeping the radiator at least 20cm or more away from person’s body (excluding extremities: hands, wrists, feet and ankles).
Alteration or modifications carried out without appropriate authorization may invalidate the user’s right to operate the equipment.

Note
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 to 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.

The Safety of Your Ears is in Your Hands
Get the most out of your equipment by playing it at a safe level—a level that lets the sound come through clearly without annoying blaring or distortion and, most importantly, without affecting your sensitive hearing. Sound can be deceiving.
Over time, your hearing "comfort level" adapts to higher volumes of sound, so what sounds "normal" can actually be loud and harmful to your hearing. Guard against this by setting your equipment at a safe level BEFORE your hearing adapts.

ESTABLISH A SAFE LEVEL:
- Set your volume control at a low setting.
- Slowly increase the sound until you can hear it comfortably and clearly, without distortion.
- Once you have established a comfortable sound level, set the dial and leave it there.

BE SURE TO OBSERVE THE FOLLOWING GUIDELINES:
- Do not turn up the volume so high that you can't hear what's around you.
- Use caution or temporarily discontinue use in potentially hazardous situations.
- Do not use headphones while operating a motorized vehicle; the use of headphones may create a traffic hazard and is illegal in many areas.

WARNING
- Do not attempt to install or service this product by yourself. Installation or servicing of this product by persons without training and experience in electronic equipment and automotive accessories may be dangerous and could expose you to the risk of electric shock, injury or other hazards.
- Do not attempt to operate the unit while driving. Make sure to pull off the road and park your vehicle in a safe location before attempting to use the controls on the device.

CAUTION:
- USE OF CONTROL OR ADJUSTMENT OR PERFORMANCE OF PROCEDURES OTHER THAN THOSE SPECIFIED HEREIN MAY RESULT IN HAZARDOUS RADIATION EXPOSURE.
- THE USE OF OPTICAL INSTRUMENTS WITH THIS PRODUCT WILL INCREASE EYE HAZARD.

CAUTION
- Do not allow this unit to come into contact with moisture and/or liquids. Electrical shock could result. Also, damage to this unit, smoke, and overheating could result from contact with liquids.
- Always keep the volume low enough to hear outside sounds.

This product is a class 1 laser product classified under the Safety of laser products, IEC 60825-1:2007.

After-sales service for Pioneer products
Please contact the dealer, distributor from where you purchased this unit or the authorized PIONEER Service Station for after-sales service or any other information. In case the necessary information is not available, please contact the companies listed below:
Please do not ship your unit to the companies at the addresses listed below for repair without contacting them in advance.
Remote Control

Frequently used operations
The available buttons vary depending on the unit.

<table>
<thead>
<tr>
<th>Purpose</th>
<th>Operation</th>
</tr>
</thead>
<tbody>
<tr>
<td>Turn on the power*</td>
<td>Press SRC/OFF to turn on the power.</td>
</tr>
<tr>
<td></td>
<td>Press SRC to turn on the power.</td>
</tr>
<tr>
<td>Adjust the volume</td>
<td>Turn the M.C. dial.</td>
</tr>
<tr>
<td></td>
<td>Press VOLUME + or -.</td>
</tr>
<tr>
<td>Select a source</td>
<td>Press SRC/OFF repeatedly.</td>
</tr>
<tr>
<td>Change the display information</td>
<td>Press DISP repeatedly.</td>
</tr>
<tr>
<td>Return to the previous display/list</td>
<td>Press BAND/ →.</td>
</tr>
<tr>
<td>Return to the normal display from the menu</td>
<td>Press &lt;/&gt; to select the next/previous folder.</td>
</tr>
<tr>
<td>Answering a call</td>
<td>Press →.</td>
</tr>
<tr>
<td>Ending a call</td>
<td>Press ←.</td>
</tr>
</tbody>
</table>

* When this unit’s blue/white lead is connected to the vehicle’s auto-antenna relay control terminal, the vehicle’s antenna extends when this unit’s source is turned on. To retract the antenna, turn the source off.

Display indication

<table>
<thead>
<tr>
<th>Indication</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>Appears when a lower tier of the menu or folder exists.</td>
</tr>
<tr>
<td></td>
<td>Appears when a Bluetooth telephone is connected to this unit by HFP (Hands Free Profile) (page 8) and flashes while the telephone is on hold.</td>
</tr>
<tr>
<td></td>
<td>Appears when a Bluetooth audio player is connected to this unit by A2DP (Advanced Audio Distribution Profile) (page 8).</td>
</tr>
<tr>
<td></td>
<td>Appears when the button is pressed.</td>
</tr>
<tr>
<td></td>
<td>Appears when the sound retriever function is set (page 15).</td>
</tr>
<tr>
<td></td>
<td>Appears when random/shuffle play is set (except when BT AUDIO is selected as the source).</td>
</tr>
<tr>
<td></td>
<td>Appears when repeat play is set (except when BT AUDIO is selected as the source).</td>
</tr>
<tr>
<td></td>
<td>Appears when the iPod control function is set (page 8).</td>
</tr>
<tr>
<td></td>
<td>Appears when a Bluetooth connection is made (page 8).</td>
</tr>
</tbody>
</table>

Detaching the front panel
Detach the front panel to prevent theft. Remove any cables and devices attached to the front panel and turn off the unit before detaching it.

Detach

Attach

Important
- Avoid subjecting the front panel to excessive shock.
- Keep the front panel out of direct sunlight and high temperatures.
- Always store the detached front panel in a protective case or bag.

Resetting the microprocessor
The microprocessor must be reset in the following situations:
- Before using this unit for the first time after installation
If the unit fails to operate properly
When strange or incorrect messages appear on the display

1. Remove the front panel (page 4).
2. Press the RESET button with a pointed instrument longer than 8 mm.

CAUTION
- There is a potential danger of explosion if the battery is incorrectly replaced. When replacing the battery, replace it with the same type.
- Do not handle or store the battery with metallic tools or objects.
- If the battery leaks, remove the battery and wipe the remote control completely clean. Then install a new battery.
- When disposing of used batteries, please comply with governmental regulations or environmental public institutions’ rules that apply in your country/area.
- *Perchlorate Material - special handling may apply.

Important
- Do not store the remote control in high temperatures or direct sunlight.
- Do not let the remote control fall onto the floor, where it may become jammed under the brake or accelerator pedal.

Setup menu
When you turn the ignition switch to ON after installation, the setup menu appears in the display.

WARNING
Do not use the unit in standard mode when a speaker system for network mode is connected to the unit. Do not use the unit in network mode when a speaker system for standard mode is connected to the unit. This may cause damage to the speakers.

1. Turn the M.C. dial to select the options, then press to confirm.
   To proceed to the next menu option, you need to confirm your selection.

<table>
<thead>
<tr>
<th>Menu Item</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>CLOCK SET</strong></td>
<td>Set the clock.</td>
</tr>
<tr>
<td>1.</td>
<td>Turn the M.C. dial to adjust the hour, then press to confirm. The indicator moves to the minute setting automatically.</td>
</tr>
<tr>
<td>2.</td>
<td>Turn the M.C. dial to adjust the minute, then press to confirm.</td>
</tr>
</tbody>
</table>

**SPEAKER MODE**
- Switch between two operation modes: the 2-way network mode (NETWORK) and the standard mode (STANDARD) according to the connections you have established. For details on operation modes, see page 14.
- After selecting the appropriate mode, turn the M.C. dial to select [YES], then press to confirm.
- You cannot complete the setup menu without setting the [SPEAKER MODE].
- Once the speaker mode is set, this setting cannot be changed unless the default settings of this product are restored. Restore the default settings to change the speaker mode setting (refer to SYSTEM RESET on page 6).
2 [QUIT : YES] appears when all the settings have been made.
To return to the first item of the setup menu, turn the M.C. dial to select [QUIT : NO], then press to confirm.

3 Press the M.C. dial to confirm the settings.

NOTE
[CLOCK SET] can be made at any time. See page 17 for more details.

**Canceling the demonstration display (DEMO OFF)**

1 Press the M.C. dial to display the main menu.
2 Turn the M.C. dial to select [SYSTEM], then press to confirm.
3 Turn the M.C. dial to select [DEMO OFF], then press to confirm.
4 Turn the M.C. dial to select [YES], then press to confirm.

**INITIAL settings**

1 Press and hold SRC/OFF until the unit turns off.
2 Press the M.C. dial to display the main menu.
3 Turn the M.C. dial to select [INITIAL], then press to confirm.
4 Turn the M.C. dial to select an option, then press to confirm.

NOTE
The options vary depending on the unit.

<table>
<thead>
<tr>
<th>Menu Item</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>REAR-SP [FUL]</td>
<td>Select when there is a full-range speaker connected to the rear speaker output leads.</td>
</tr>
<tr>
<td>[SW]</td>
<td>Select when there is a subwoofer connected directly to the rear speaker output leads without any auxiliary amplifier.</td>
</tr>
<tr>
<td>SYSTEM UPDATE [SYSTEM INFO], [S/W UPDATE]</td>
<td>Select [SYSTEM INFO] to confirm the latest system information on the unit. Select [S/W UPDATE] to update the unit to the latest software and initialize the unit settings. For details on the latest software and updating, visit our website.</td>
</tr>
</tbody>
</table>

**Radio**

The tuner frequencies on this unit are allocated for use in North America. Use in other areas may result in poor reception.

**Receiving preset stations**

1 Press SRC/OFF to select [RADIO].
2 Press BAND/ to select the band from [FM1], [FM2], [FM3] or [AM].
3 Press a number button (1/ to 6/).

NOTE
You can select a preset channel by pressing and turning the M.C. dial.

TIP
The buttons can be also used to select a preset station when [SEEK] is set to [PCH] in the FUNCTION settings (page 15).

**Best stations memory (BSM)**

The six strongest stations are stored on the number buttons (1/ to 6/).

1 After selecting the band, press M.C. dial to display the main menu.
2 Turn the M.C. dial to select [FUNCTION], then press to confirm.
3 Turn the M.C. dial to select [BSM], then press to confirm.

**To seek a station manually**

1 After selecting the band, press to select a station.
Press and hold then release to seek an available station. Scanning stops when the unit receives a station. To cancel seek tuning, press.

NOTE
[SEEK] needs to be set to [MAN] in the FUNCTION settings (page 15).
To store stations manually
1 While receiving the station you want to store, press and hold one of the number buttons (1/✓ to 6/✓) until it stops flashing.

NOTE
You can select a preset channel by pressing △ and turning the M.C. dial. After selecting a channel, press and hold the M.C. dial to store a station.

CD/USB/iPod/AUX

Playing back
Disconnect headphones from the device before connecting it to the unit.

CD
1 Insert a disc into the disc loading slot with the label side up.
To eject a disc, stop playback first then press △.

USB devices (including Android™)/iPod
1 Open the USB port cover.
2 Plug in the USB device/iPod using an appropriate cable.

NOTE
To automatically switch to [USB] source when a USB device/iPod is connected to the unit, set [USB AUTO] to [ON] in the SYSTEM settings (page 18).

⚠️ CAUTION
Use an optional Pioneer USB cable (CD-US50E) to connect the USB device as any device connected directly to the unit will protrude out from the unit, which could be dangerous.

Before removing the device, stop playback.

AOA connections
For details on AOA connection, see page 13.

MTP connection
A device installed with Android OS 4.0 or later can be connected to the unit via MTP, using the cable supplied with the device. However, depending on the connected device and the numbers of the files in the device, audio files/songs may not be able to be played back via MTP. Note that MTP connection is not compatible with WAV file formats and FLAC file formats, and cannot be used with the MIXTRAX function.

NOTE
If you use an MTP connection, [ANDROID WIRED] needs to be set to [MEMORY] in the SYSTEM settings (page 17).

AUX
1 Insert the stereo mini plug into the AUX input jack.
2 Press SRC/OFF to select [AUX] as the source.

NOTE
If [AUX] is set to [OFF] in the SYSTEM settings, [AUX] cannot be selected as a source (page 17).

Operations
You can make various adjustments in the FUNCTION settings (page 15). Note that the following operations do not work for an AUX device. To operate an AUX device, use the device itself.

<table>
<thead>
<tr>
<th>Purpose</th>
<th>Operation</th>
</tr>
</thead>
<tbody>
<tr>
<td>Select a folder/album*1</td>
<td>Press 1/✓ or 2/✓.</td>
</tr>
<tr>
<td>Select a track/song (chapter)</td>
<td>Press  //= or  ➤➤.</td>
</tr>
<tr>
<td>Fast forward or reverse*2</td>
<td>Press and hold  //= or  ➤➤.</td>
</tr>
<tr>
<td>Search for a file from a list</td>
<td>1 Press △ to display the list. 2 Turn the M.C. dial to select the desired file (folder) name or category, then press to confirm. 3 Turn the M.C. dial to select the desired file, then press to confirm. Playback starts.</td>
</tr>
<tr>
<td>View a list of the files in the selected folder/ category*1</td>
<td>Press the M.C. dial when a folder/category is selected.</td>
</tr>
<tr>
<td>Play a song in the selected folder/ category*1</td>
<td>Press and hold the M.C. dial when a folder/category is selected.</td>
</tr>
<tr>
<td>Alphabetical search (iPod only)</td>
<td>1 Press △ to display the list. 2 Turn the M.C. dial to select the desired category list, then press △ to enter the alphabetical search mode. (Turning the M.C. dial twice also enters the alphabetical search mode.) 3 Turn the M.C. dial to select a letter, then press to display the alphabetical list. To cancel alphabetical search, press BAND/ ≥.</td>
</tr>
</tbody>
</table>
Repeat play
Press 6/⇒.

Random/shuffle play
Press 5/⇒⇒.

Shuffle all play (iPod only)
Press and hold 5/⇒⇒.

Pause/resume playback
Press 4/PAUSE.

Return to root folder (CD/USB only)*1
Press and hold 0...

Switch between compressed audio and CD-DA (CD only)
Press BAND/!>.

*1 Compressed audio files only
*2 When you use the fast forward or reverse function while playing a VBR file, the playback time may not be correct.

Useful functions for iPod

Link play mode
You can access songs based on the artist, album, or genre currently playing.
1 While listening to a song, press and hold 0 to enter the link play mode.
2 Turn the M.C. dial to select the mode ([ARTIST], [ALBUM], [GENRE]), then press to confirm.

The selected song/album will be played after the currently playing song.

NOTE
The selected song/album may be canceled if you use functions other than those from the link play mode (e.g. fast forward and reverse).

iPod control
You can control the unit via a connected iPod.
The following iPod models are not compatible with this function.
- iPod nano 1st generation, iPod with video

1 Press BAND/⇒ during playback, then select the control mode.
   - [CONTROL iPod]: The unit's iPod function can be operated from the connected iPod.
   - [CONTROL AUDIO]: The unit's iPod function can only be operated by the buttons on the unit or supplied remote control. In this mode, the connected iPod cannot be turned on or off.

NOTES
- Switching the control mode to [CONTROL iPod] pauses song playback. Use the connected iPod to resume playback.
- The following operations are still accessible from the unit, even if the control mode is set to [CONTROL iPod].

- Pause, fast forward/reverse, song/chapter selection
  - The volume can only be adjusted from the unit.

About MIXTRAX (USB/iPod only)
The MIXTRAX function creates a non-stop mix of your music library, accompanied by illumination effects. For details on MIXTRAX settings, see page 18.

NOTES
- This function is not compatible with an Android device connected via MTP.
- Depending on the file/song, sound effects may not be available.
- Turn the MIXTRAX function off if the illumination effects it produces interfere with driving.

1 Press 3/MIX to turn MIXTRAX on/off.

Bluetooth

Bluetooth connection

Important
If three or more Bluetooth devices (e.g. a phone and separate audio player) are connected, they may not work properly.

1 Turn on the Bluetooth function of the device.
2 Press  to display the phone menu.
3 Turn the M.C. dial to select [BT SETTING], then press to confirm.
4 Turn the M.C. dial to select [ADD DEVICE], then press to confirm.

The unit starts to search for available devices, then displays them in the device list.
- To cancel searching, press the M.C. dial.
- If the desired device is not in the list, select [RE-SEARCH].
- If there is no device available, [NOT FOUND] appears in the display.
5 Turn the M.C. dial to select a device from the device list, then press to confirm.

Press and hold the M.C. dial to switch the displayed device information between the Bluetooth device address and device name.
6 Select [Pioneer BT Unit] shown in the device display.
7 Make sure the same 6-digit number appears on this unit and the device, then select “Yes” on the device.
NOTES
• [DEVICE FULL] appears if the unit has already been paired with three other devices. In this case, delete one of the paired devices. See [DEL DEVICE] or [GUEST MODE] in the Bluetooth settings (page 9).
• Depending on the device, the PIN code is required in step 7. In this case, input [0000].

TIP
The Bluetooth connection can be also made by detecting the unit from the Bluetooth device. To do so, [VISIBLE] in the Bluetooth settings needs to be set to [ON]. For details on a Bluetooth device operations, refer to the operating instructions supplied with the Bluetooth device.

### Bluetooth settings

<table>
<thead>
<tr>
<th>Menu Item</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>DEVICE LIST</td>
<td>Display the list of paired Bluetooth devices. &quot;*&quot; appears on the device name when the Bluetooth connection is established.</td>
</tr>
<tr>
<td>DEL DEVICE</td>
<td>Delete the device information.</td>
</tr>
<tr>
<td>[DELETE YES], [DELETE NO]</td>
<td></td>
</tr>
<tr>
<td>ADD DEVICE</td>
<td>Register a new device.</td>
</tr>
<tr>
<td>A.CONN</td>
<td>Select [ON] to connect to a Bluetooth device automatically.</td>
</tr>
<tr>
<td>[ON], [OFF]</td>
<td></td>
</tr>
<tr>
<td>VISIBLE</td>
<td>Select [ON] so that a Bluetooth device can detect the unit when the unit is connected via Bluetooth to another device.</td>
</tr>
<tr>
<td>[ON], [OFF]</td>
<td></td>
</tr>
<tr>
<td>PIN CODE</td>
<td>Change the PIN code.</td>
</tr>
<tr>
<td>1 Press the M.C. dial to display the setting mode.</td>
<td></td>
</tr>
<tr>
<td>2 Turn the M.C. dial to select a number.</td>
<td></td>
</tr>
<tr>
<td>3 Press the M.C. dial to move the cursor to the next position.</td>
<td></td>
</tr>
<tr>
<td>4 After inputting the PIN code, press and hold the M.C. dial. After inputting the PIN code, pressing the M.C. dial returns you to the PIN code input display, and you can change the PIN code.</td>
<td></td>
</tr>
<tr>
<td>DEV. INFO</td>
<td>Switch the device information on the display between the device name and Bluetooth device address.</td>
</tr>
<tr>
<td>GUEST MODE</td>
<td>Select [ON] to move to the [DEL DEVICE] screen automatically when the unit has already been paired with three devices.</td>
</tr>
<tr>
<td>[ON], [OFF]</td>
<td></td>
</tr>
<tr>
<td>A.PAIRING</td>
<td>Select [ON] to pair the unit and iPhone automatically when an iPhone is connected to the unit via USB. (This function may not be available depending on the version of iOS you are using.)</td>
</tr>
<tr>
<td>[ON], [OFF]</td>
<td></td>
</tr>
</tbody>
</table>

### Bluetooth telephone

First, make a Bluetooth connection with the Bluetooth telephone (page 8). Up to two Bluetooth telephones can be connected simultaneously.

**Important**
• Leaving the unit on standby to connect to your phone via Bluetooth while the engine is not running can drain the vehicle's battery.
• Be sure to park your vehicle in a safe place and apply the parking brake before operation.

### To make a phone call

1 Press ➡ to display the phone menu.
   When two phones are connected, a phone name appears first then a phone menu will display. To switch to another phone, press ➡ again.
2 Turn the M.C. dial to select [RECENTS] or [PHONE BOOK], then press to confirm. If you select [PHONE BOOK], proceed to step 4.
3 Turn the M.C. dial to select [MISSED], [DIALED] or [RECEIVED], then press to confirm.
4 Turn the M.C. dial to select a name or phone number, then press to confirm. The phone call starts.

### To answer an incoming call

1 Press ➡ when a call is received.

**TIP**
When two phones are connected to the unit via Bluetooth and there is an incoming call while one phone is being used for a call, a message will appear in the display. To answer that incoming call, you need to end the existing call.

### Basic operations

<table>
<thead>
<tr>
<th>Purpose</th>
<th>Operation</th>
</tr>
</thead>
<tbody>
<tr>
<td>End a call</td>
<td>Press ➡.</td>
</tr>
<tr>
<td>Reject an incoming call</td>
<td>Press and hold ➡ when a call is received.</td>
</tr>
<tr>
<td>Switch between the current caller and a caller on hold</td>
<td>Press the M.C. dial.</td>
</tr>
<tr>
<td>Cancel a caller on hold</td>
<td>Press and hold ➡.</td>
</tr>
<tr>
<td>Adjust the volume of the caller’s voice (When private mode is on, this function is not available.)</td>
<td>Turn the M.C. dial during the call.</td>
</tr>
</tbody>
</table>
To preset phone numbers
1 Select a phone number from a phone book or call history.
2 Press and hold one of the number buttons (1/ to 6/).
The contact is stored in the selected preset number.

To make a call using a preset number, press one of the number buttons (1/ to 6/), then press the M.C. dial.

Voice recognition (Only for iPhone)
This function is only available when an iPhone equipped with voice recognition is connected to the unit via Bluetooth.
1 Press and hold to activate the voice recognition mode.
2 Press the M.C. dial and then talk into the microphone to input voice commands.

To exit the voice recognition mode, press BAND/.

NOTE
For details on the voice recognition features, refer to the manual supplied with your iPhone.

Phone menu

<table>
<thead>
<tr>
<th>Menu Item</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>RECENTS</td>
<td>Display the missed call history.</td>
</tr>
<tr>
<td>[MISSED]</td>
<td></td>
</tr>
<tr>
<td>[DIALED]</td>
<td>Display the dialed call history.</td>
</tr>
<tr>
<td>[RECEIVED]</td>
<td>Display the received call history.</td>
</tr>
<tr>
<td>PHONE BOOK*1</td>
<td>Display the contacts which have been transferred from your phone. Set [VISIBLE] in the Bluetooth settings to [ON] to browse the contacts via this unit.</td>
</tr>
<tr>
<td>PRESET 1-6</td>
<td>Recall the preset phone numbers. You can also recall the preset phone numbers by pressing one of the number buttons (1/ to 6/).</td>
</tr>
<tr>
<td>A.ANSR*2</td>
<td>Select [ON] to answer an incoming call automatically.</td>
</tr>
<tr>
<td>[ON], [OFF]</td>
<td></td>
</tr>
</tbody>
</table>

Menu Item | Description
---|---
R.TONE | Select [ON] if the ring tone does not come out from the car speakers. Depending on the connected phone, this function may not work.
| [ON], [OFF] |
PB INVT | Invert the order of names in the phone book (name view).
PB A.SYNC | Select whether or not to transfer the contacts from your phone automatically when your phone is connected to the unit.
| [ON], [OFF] |
| • When connected for the first time, the contacts from your phone are transferred automatically, regardless of the [PB A.SYNC] setting.
| • If you switch from [ON] to [OFF], the auto synchronization will not be performed on the next connection.
| • If you switch from [OFF] to [ON], the auto synchronization will be performed when your phone is connected to the unit.
| • During the auto synchronization, you cannot cancel the synchronization, even if you select [OFF]. |
BT SETTING | You can adjust various settings for Bluetooth connections. For details on Bluetooth settings, see page 9.

*1 The contacts on your phone will normally be transferred automatically when the phone is connected. If they are not, use your phone to transfer the contacts.
*2 If two phones are connected, this function does not work on incoming calls that are received while one of the phones is being used for a call.

Bluetooth audio

Important
• Depending on the Bluetooth audio player connected to this unit, the available operations will be limited to the following two levels:
  – A2DP (Advanced Audio Distribution Profile) can only play back songs on your audio player.
  – AVRCP (Audio/Video Remote Control Profile) can perform functions such as playback, pause, select song, etc.
• The sound of the Bluetooth audio player will be muted when the phone is in use.
• When the Bluetooth audio player is in use, you cannot connect to a Bluetooth telephone automatically.
• Depending on the type of Bluetooth audio player you have connected to this unit, operation and information displayed may vary based on availability and functionality.

1 Make a Bluetooth connection with the Bluetooth audio player.
2 Press SRC/OFF to select [BT AUDIO] as the source.
3 Press BAND/ to start playback.
Basic operations
You can make various adjustments in the FUNCTION settings (page 15).

<table>
<thead>
<tr>
<th>Purpose</th>
<th>Operation</th>
</tr>
</thead>
<tbody>
<tr>
<td>Fast forward or reverse</td>
<td>Press and hold ııı or ııı.</td>
</tr>
<tr>
<td>Select a track</td>
<td>Press ııı or ııı.</td>
</tr>
<tr>
<td>Repeat play*</td>
<td>Press 6/</td>
</tr>
<tr>
<td>Random play*</td>
<td>Press 5/</td>
</tr>
<tr>
<td>Pause/resume playback</td>
<td>Press 4/PAUSE.</td>
</tr>
<tr>
<td>Search for a file from a list</td>
<td>1. Press , to display a list.</td>
</tr>
<tr>
<td></td>
<td>2. Turn the M.C. dial to select the desired folder name, then press to confirm.</td>
</tr>
<tr>
<td></td>
<td>3. Turn the M.C. dial to select the desired file, then press to confirm.</td>
</tr>
<tr>
<td></td>
<td>Playback starts.</td>
</tr>
</tbody>
</table>

* Depending on the connected device, these operations may not be available.

App Mode
You can enjoy listening to an application on an iPhone/Android device via the unit. In some cases, you can control an application by using the unit.

For details on compatible devices, visit our website.

Important
Use of third party apps may involve or require the provision of personally identifiable information, whether through the creation of a user account or otherwise, and for certain applications, the provision of geolocation data.

ALL THIRD PARTY APPS ARE THE SOLE RESPONSIBILITY OF THE PROVIDERS, INCLUDING WITHOUT LIMITATION COLLECTION AND SECURITY OF USER DATA AND PRIVACY PRACTICES. BY ACCESSING THIRD PARTY APPS, YOU AGREE TO REVIEW THE TERMS OF SERVICE AND PRIVACY POLICIES OF THE PROVIDERS. IF YOU DO NOT AGREE WITH THE TERMS OR POLICIES OF ANY PROVIDER OR DO NOT CONSENT TO THE USE OF GEOLOCATION DATA WHERE APPLICABLE, DO NOT USE THAT THIRD PARTY APP.

For iPhone users
This function is compatible with iPhones and iPod touches installed with iOS 5.0 or later.

For Android device users
This function is compatible with devices that have Android OS 2.3 or later installed.

NOTE
PIONEER IS NOT LIABLE FOR ANY THIRD PARTY APPS OR CONTENT, INCLUDING WITHOUT LIMITATION THEIR ACCURACY OR COMPLETENESS. THE CONTENT AND FUNCTIONALITY OF SUCH APPS ARE THE SOLE RESPONSIBILITY OF THE APP PROVIDER.

Playback of an application via the unit
1. Connect this unit with the mobile device.
   - iPhone via USB (page 7)
   - iPhone/Android device via Bluetooth (page 8)
2. Press the M.C. dial to display the main menu.
3. Turn the M.C. dial to select [SYSTEM], then press to confirm.
4. Turn the M.C. dial to select [PHONE CONNECT], then press to confirm.
5. Turn the M.C. dial to select one of the below, then press to confirm.
   - Select [PHONE/IPD] for iPhone.
   - Select [ANDROID] for Android device.
6. Turn the M.C. dial to select one of the below.
   - Select [WIRED] for the USB connection.
   - Select [BLUETOOTH] for the Bluetooth connection.

NOTE
When the connection setting is changed, a message that lets you know that the connection setting had been changed will appear in the display. Press the M.C. dial and turn the M.C. dial to select [SRC OFF :YES], then press to confirm. The unit turns off automatically and the setting is executed.

7. Press SRC/OFF to select [APP].
8. Operate the mobile device to start up the application.

Basic operations
You can make various adjustments in the FUNCTION settings (page 15).

<table>
<thead>
<tr>
<th>Purpose</th>
<th>Operation</th>
</tr>
</thead>
<tbody>
<tr>
<td>Select a track</td>
<td>Press ııı or ııı.</td>
</tr>
<tr>
<td>Fast forward or reverse</td>
<td>Press and hold ııı or ııı.</td>
</tr>
<tr>
<td>Pause/resume playback</td>
<td>Press BAND/</td>
</tr>
</tbody>
</table>

En 11
Listening to Pandora

Update the firmware of the Pandora application to the latest version before use.

1 Connect this unit with the mobile device.
   • iPhone via USB (page 7)
   • iPhone/Android device via Bluetooth (page 8)
   If you choose a USB connection, proceed to step 6.

2 Press SRC/OFF to select [PANDORA].

3 Press and hold BAND/■ to display [PHONE CONNECT].

4 Turn the M.C. dial to select one of the below, then press to confirm.
   • Select [IPHONE/IPOD] for iPhone.
   • Select [ANDROID] for Android device.

5 Turn the M.C. dial to select [BLUETOOTH] for iPhone/Android device via Bluetooth.

   NOTE
   When the connection setting is changed, a message that lets you know that the connection setting has been changed will appear in the display. Press the M.C. dial and turn the M.C. dial to select [SRC OFF :YES], then press to confirm. The unit turns off automatically and the setting is executed.

6 Press SRC/OFF to select [PANDORA].

7 Launch the Pandora application on the mobile device and start playback.

Basic operations

You can make various adjustments in the FUNCTION settings (page 15).

<table>
<thead>
<tr>
<th>Purpose</th>
<th>Operation</th>
</tr>
</thead>
<tbody>
<tr>
<td>Skip a track</td>
<td>Press ■ ■</td>
</tr>
<tr>
<td>Switch between Shuffle and the station</td>
<td>Press (list), then turn the M.C. dial to select the Shuffle or the desired station.</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Purpose</th>
<th>Operation</th>
</tr>
</thead>
<tbody>
<tr>
<td>Change the sort order</td>
<td>Press (list), then select one of the following.</td>
</tr>
<tr>
<td>[ABC]</td>
<td>Sort the items in the list alphabetically.</td>
</tr>
<tr>
<td>[DATE]</td>
<td>Sort the items in the list in order of the dates on which the items were created.</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Purpose</th>
<th>Operation</th>
</tr>
</thead>
<tbody>
<tr>
<td>Play</td>
<td>When Shuffle or the station is selected, press the M.C. dial.</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Purpose</th>
<th>Operation</th>
</tr>
</thead>
<tbody>
<tr>
<td>Delete a station</td>
<td>1 When the station is selected, press and hold the M.C. dial.</td>
</tr>
<tr>
<td></td>
<td>[DELETE YES] appears.</td>
</tr>
<tr>
<td></td>
<td>2 Press the M.C. dial.</td>
</tr>
<tr>
<td></td>
<td>To cancel, press BAND/■ in step 1.</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Purpose</th>
<th>Operation</th>
</tr>
</thead>
<tbody>
<tr>
<td>Pause/resume playback</td>
<td>Press 4/PAUSE.</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Purpose</th>
<th>Operation</th>
</tr>
</thead>
<tbody>
<tr>
<td>Thumbs Up</td>
<td>Press 1/▲</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Purpose</th>
<th>Operation</th>
</tr>
</thead>
<tbody>
<tr>
<td>Thumbs Down</td>
<td>Press 2/▼</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Purpose</th>
<th>Operation</th>
</tr>
</thead>
<tbody>
<tr>
<td>Create a new station based on the track currently being played</td>
<td>Press and hold 5/□</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Purpose</th>
<th>Operation</th>
</tr>
</thead>
<tbody>
<tr>
<td>Create a new station based on the artist currently being played</td>
<td>Press and hold 6/☆</td>
</tr>
</tbody>
</table>

NOTE
Some functions of Pandora may not be operated from the unit.

Spotify®

To enjoy Spotify as you drive, first download the Spotify app to your iPhone or Android device. You can download it on the iTunes App Store or Google Play™. Choose a free account or a paid Premium account, either in the app or at spotify.com. A Premium account gives you more features, like offline listening.
Listening to Spotify

Update the firmware of the Spotify application to the latest version before use.

1 Connect this unit with the mobile device.
   • iPhone via USB (page 7)
   • iPhone/Android device via Bluetooth (page 8)
   If you choose a USB connection, proceed to step 6.

2 Press SRC/OFF to select [SPOTIFY].

3 Press and hold BAND/↓ to display [PHONE CONNECT].

4 Turn the M.C. dial to select one of the below, then press to confirm.
   • Select [IPHONE/IPOD] for iPhone.
   • Select [ANDROID] for Android device.

5 Turn the M.C. dial to select [BLUETOOTH] for iPhone/Android device via Bluetooth.

   NOTE
   When the connection setting is changed, a message that lets you know that the connection setting had been changed will appear in the display. Press the M.C. dial and turn the M.C. dial to select [SRC OFF :YES], then press to confirm. The unit turns off automatically and the setting is executed.

6 Press SRC/OFF to select [SPOTIFY].

7 Launch the Spotify application on the mobile device and start playback.

Basic operations

You can make various adjustments in the FUNCTION settings (page 15).

NOTE
The available operations may vary according to the type of contents (track/album/artist/playlist/radio) you want to play.

<table>
<thead>
<tr>
<th>Purpose</th>
<th>Operation</th>
</tr>
</thead>
<tbody>
<tr>
<td>Skip a track</td>
<td>Press I or I</td>
</tr>
</tbody>
</table>
| Search for a track from a list | 1 Press (list) to display the list.  
                                   2 Turn the M.C. dial to select the desired category, then press to confirm.  
                                   3 Turn the M.C. dial to select the desired file, then press to confirm.  
                                   Playback starts. |
| Pause/resume playback        | Press 4/PAUSE.                    |

NOTE
Some functions of Spotify may not be operated from the unit.

Using Pioneer ARC APP

You can operate the unit from Pioneer ARC APP installed on an iPhone/Android device. In some cases, you can control aspects of the application, such as source selection, pause, etc., by using the unit.

For iPhone users
This function is compatible with iPhones (iPhone 5 or later) and iPod touches (5th and 6th generation) installed with iOS 8.0 or later.
You can download Pioneer ARC APP on iTunes App Store.

For Android device users
This function is compatible with devices that have Android OS 4.1 or later installed and also support AOA (Android Open Accessory) 2.0.
You can download Pioneer ARC APP on Google Play.

NOTE
Some Android devices connected via AOA 2.0 may not work properly or emit sounds due to their own software design, regardless of the OS version.

<table>
<thead>
<tr>
<th>Purpose</th>
<th>Operation</th>
</tr>
</thead>
<tbody>
<tr>
<td>Thumbs Up (Only for radio)</td>
<td>Press 1/↑</td>
</tr>
<tr>
<td>Thumbs Down (Only for radio)</td>
<td>Press 2/↓</td>
</tr>
<tr>
<td>Random play (Only for track/album/artist/playlist)</td>
<td>Press 5/XX</td>
</tr>
<tr>
<td>Repeat play (Only for track/album/artist/playlist)</td>
<td>Press 6/←</td>
</tr>
</tbody>
</table>

Start a radio channel based on the song currently being played.
1 Press and hold (list) to start a radio.
2 Press the M.C. dial.

• This function may not be available depending on the selected song.

WARNING
Do not attempt to operate the application while driving. Make sure to pull off the road and park your vehicle in a safe location before attempting to use the controls on the application.

For iPhone users
This function is compatible with iPhones (iPhone 5 or later) and iPod touches (5th and 6th generation) installed with iOS 8.0 or later.
You can download Pioneer ARC APP on iTunes App Store.

For Android device users
This function is compatible with devices that have Android OS 4.1 or later installed and also support AOA (Android Open Accessory) 2.0.
You can download Pioneer ARC APP on Google Play.

NOTE
Some Android devices connected via AOA 2.0 may not work properly or emit sounds due to their own software design, regardless of the OS version.
Making a connection with Pioneer ARC APP

1 Connect this unit with the mobile device.
   - iPhone/Android device via USB (page 7)
   - iPhone/Android device via Bluetooth (page 8)

2 Press the M.C. dial to display the main menu.

3 Turn the M.C. dial to select [SYSTEM], then press to confirm.

4 Turn the M.C. dial to select [PHONE CONNECT], then press to confirm.

5 Turn the M.C. dial to select one of the below, then press to confirm.
   - Select [IPHONE/IPOD] for iPhone.
   - Select [ANDROID] for Android device.

6 Turn the M.C. dial to select one of the below.
   - Select [WIRED] for the USB connection.
   - Select [BLUETOOTH] for the Bluetooth connection.
   Proceed to step 10 if you select the USB connection for iPhone or the Bluetooth connection.

   NOTE
   When the connection setting is changed, a message that lets you know that the connection setting had been changed will appear in the display. Press the M.C. dial and turn the M.C. dial to select [SRC OFF :YES], then press to confirm. The unit turns off automatically and the setting is executed.

7 Repeat steps 2 to 3.

8 Turn the M.C. dial to select [ANDROID WIRED], then press to confirm.

9 Turn the M.C. dial to select [APP CONTROL] for an Android device connected via USB.
   If [ON] is selected in [PAPP AUTO ON] (page 17), Pioneer ARC APP on the Android device starts automatically, and all the steps are finished.

   NOTE
   If Pioneer ARC APP has not been installed on your Android device yet, a message that prompts you to install the application will appear on your Android device. Select [OFF] in [PAPP AUTO ON] to clear the message (page 17).

10 Press SRC/OFF to select any source.

11 Launch Pioneer ARC APP on the mobile device.

   NOTE
   You can also launch the application by pressing and holding the M.C. dial if you select the USB connection for iPhone or the Bluetooth connection.

Listening to music on Android

1 Press SRC/OFF to select [ANDROID].

Basic operations

<table>
<thead>
<tr>
<th>Purpose</th>
<th>Operation</th>
</tr>
</thead>
<tbody>
<tr>
<td>Select a track</td>
<td>Press ⏯ or ⏯.</td>
</tr>
<tr>
<td>Fast forward or reverse</td>
<td>Press and hold ⏯ or ⏯.</td>
</tr>
<tr>
<td>Pause/resume playback</td>
<td>Press 4/PAUSE.</td>
</tr>
</tbody>
</table>

Audio adjustments

You can also make various adjustments in the AUDIO settings (page 16).

Operation modes

This unit features two operation modes: network mode and standard mode. You can switch between modes as desired (page 5).

Network mode

You can create a 2-way + SW multi-amp and multi-speaker system with high range speaker, middle range speaker and subwoofer for reproduction of high, middle and low frequencies (bands).

Standard mode

You can create a 4-speaker system with front and rear speakers or front speakers and subwoofers, or a 6-speaker system with front and rear speakers and subwoofers.

Adjusting the cut-off frequency value and the slope value

You can adjust the cut-off frequency value and the slope value of each speaker. The following speakers can be adjusted.

Network mode:
[HIGH] (high-range speaker HPF), [MID HPF] (middle-range speaker HPF), [MID LPF] (middle-range speaker LPF), [SUBWOOFER]
Standard mode:
[FRONT], [REAR], [SUBWOOFER]

NOTE
[SUBWOOFER] can only be selected when [ON] is selected in [SUBWOOFER] (page 16).

1. Press the M.C. dial to display the main menu.
2. Turn the M.C. dial to select [AUDIO], then press to confirm.
3. Turn the M.C. dial to select [CROSSOVER], then press to confirm.
4. Turn the M.C. dial to select the speaker unit (filter) to be adjusted, then press to confirm.
5. Turn the M.C. dial to select [HPF] or [LPF] according to the speaker unit (filter), then press to confirm.
6. Turn the M.C. dial to select an appropriate cut-off frequency for the speaker unit (filter) selected in step 4, then press to confirm.

Network mode:
[1.25K] to [12.5K] (if you choose [HIGH] or [MID LPF])
[25] to [250] (if you choose [MID HPF] or [SUBWOOFER])

Standard mode:
[50HZ] to [200HZ]

7. Turn the M.C. dial to select an appropriate slope for the speaker unit (filter) selected in step 4.

Network mode:
[-6] to [-24] (if you choose [HIGH], [MID HPF] or [MID LPF])
[-12] to [-36] (if you choose [SUBWOOFER])

Standard mode:
[-6] to [-24]

Settings

You can adjust various settings in the main menu.

1. Press the M.C. dial to display the main menu.
2. Turn the M.C. dial to select one of the categories below, then press to confirm.
   • FUNCTION settings (page 15)
   • AUDIO settings (page 16)
   • SYSTEM settings (page 17)

3. Turn the M.C. dial to select the options, then press to confirm.

FUNCTION settings

The menu items vary according to the source.

<table>
<thead>
<tr>
<th>Menu Item</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>BSM [RADIO]</td>
<td>Store the six strongest stations on the number buttons (1/ 6) to 6/ 6) automatically.</td>
</tr>
<tr>
<td>LOCAL [RADIO]</td>
<td>FM: [OFF], [LV1], [LV2], [LV3], [LV4], [LV5], [LV6] AM: [OFF], [LV1], [LV2]</td>
</tr>
<tr>
<td>SEEK [RADIO]</td>
<td>[MAN], [PCH]</td>
</tr>
<tr>
<td>SAVE [SPOTIFY]</td>
<td>Store the information about the song currently being played to your music list on Spotify.</td>
</tr>
<tr>
<td>UNSAVE [SPOTIFY]</td>
<td>Remove the song information stored in [SAVE].</td>
</tr>
<tr>
<td>SEL DEVICE</td>
<td>[iPod], [PANDORA], [APP], [BT AUDIO], [SPOTIFY]</td>
</tr>
<tr>
<td>S.RTRV</td>
<td>[CD], [USB], [iPod], [PANDORA], [APP], [BT AUDIO], [ANDROID], [SPOTIFY], [AUX]</td>
</tr>
<tr>
<td>AUDIO BOOK [iPod]</td>
<td>[FASTER], [NORMAL], [SLOWER]</td>
</tr>
</tbody>
</table>

ILLUMINATION settings (page 18)
MIXTRAX settings (page 18)
<table>
<thead>
<tr>
<th>Menu Item</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>BOOKMARK [PANDORA]</strong></td>
<td>Store the track information currently being played in your Pandora account.</td>
</tr>
<tr>
<td><strong>NEW STATION [PANDORA]</strong></td>
<td>Create a new station based on the track or artist currently being played.</td>
</tr>
<tr>
<td><strong>PAUSE [APP]</strong></td>
<td>Pause or resume playback.</td>
</tr>
<tr>
<td><strong>PLAY [BT AUDIO]</strong></td>
<td>Start playback.</td>
</tr>
<tr>
<td><strong>STOP [BT AUDIO]</strong></td>
<td>Stop playback.</td>
</tr>
</tbody>
</table>

**AUDIO settings**

<table>
<thead>
<tr>
<th>Menu Item</th>
<th>Description</th>
</tr>
</thead>
</table>
| **EQ SETTING** | Select or customize the equalizer curve.  
- When you select a setting other than [CUSTOM1] and [CUSTOM2], you can also customize the equalizer curve by pressing and holding the M.C. dial, then store the customized equalizer curve in [CUSTOM1].  
**Equalizer band:** [50Hz] to [12.5kHz]  
**Equalizer level:** [-6] to [+6]  
**FADER**<sup>*</sup>1 (Only for standard mode) |
| **BALANCE** | Adjust the front and rear speaker balance. |
| **SUBWOOFER** | Adjust the left and right speaker balance. |
| **SUBWOOFER**<sup>*</sup>2 | Set to [ON] when using a subwoofer speaker. |
| **SUBWOOFER** | Select the subwoofer phase. |

**SPEAKER LEVEL**

<table>
<thead>
<tr>
<th>Menu Item</th>
<th>Description</th>
</tr>
</thead>
</table>
| **Network mode:** [HIGH L], [HIGH R], [MID L], [MID R], [SUBWOOFER]  
**Standard mode:** [FRONT L], [FRONT R], [REAR L], [REAR R], [SUBWOOFER]  
**Output level:** [-24] to [10] | Select a speaker unit (filter) and adjust the output level.  
- Each value you have adjusted changes when you change the [POSITION] setting (page 16). |

**CROSSOVER**

<table>
<thead>
<tr>
<th>Menu Item</th>
<th>Description</th>
</tr>
</thead>
</table>
| **Network mode:** [HIGH L], [HIGH R], [MID L], [MID R], [SUBWOOFER]  
**Standard mode:** [FRONT L], [FRONT R], [REAR L], [REAR R], [SUBWOOFER]  
**Output level:** [-24] to [10] | Select a speaker unit (filter) to adjust the HPF or LPF cut-off frequency and the slope for each speaker unit.  
For details on the [CROSSOVER] setting, see page 14. |

**POSITION**

<table>
<thead>
<tr>
<th>Menu Item</th>
<th>Description</th>
</tr>
</thead>
</table>
| **[OFF], [FRONT LEFT] (front seat left), [FRONT RIGHT] (front seat right), [FRONT] (front seats), [ALL]**  
*Only for standard mode* | Select a listening position to adjust the speakers' output levels automatically and add a delay time that corresponds to the number and locations of occupied seats. |

**TIME ALGNMNT**

<table>
<thead>
<tr>
<th>Menu Item</th>
<th>Description</th>
</tr>
</thead>
</table>
| **[INITIAL], [OFF], [CUSTOM]** | Select or customize the time alignment settings to reflect the distance between the listener's position and each speaker.  
- Select [INITIAL] to initialize the setting value.  
- Select [OFF] to reset all setting values to 0.  
- The [CUSTOM] setting is available when the subwoofer is used.  
**Network mode:** [HIGH L], [HIGH R], [MID L], [MID R], [SUBWOOFER]  
**Standard mode:** [FRONT L], [FRONT R], [REAR L], [REAR R], [SUBWOOFER]  
**Speaker distance (inch):** [140] to [10] | |

**SAVE SETTINGS**

<table>
<thead>
<tr>
<th>Menu Item</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>[YES], [CANCEL]</strong></td>
<td>Save to later recall the following sound settings at their current values: [CROSSOVER], [SPEAKER LEVEL], [EQ SETTING], [POSITION], [TIME ALGNMNT], [BASS BOOST], [SUBWOOFER].</td>
</tr>
</tbody>
</table>

**LOAD SETTINGS**

<table>
<thead>
<tr>
<th>Menu Item</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>[YES], [CANCEL]</strong></td>
<td>Load the sound settings, when you have already performed [SAVE SETTINGS].</td>
</tr>
<tr>
<td>Menu Item</td>
<td>Description</td>
</tr>
<tr>
<td>-------------------</td>
<td>-----------------------------------------------------------------------------</td>
</tr>
<tr>
<td>BASS BOOST</td>
<td>Select the bass boost level.</td>
</tr>
<tr>
<td>[0] to [+6]</td>
<td></td>
</tr>
<tr>
<td>LOUDNESS</td>
<td>Compensate for clear sound at low volume.</td>
</tr>
<tr>
<td>[OFF], [LOW], [MID], [HI]</td>
<td></td>
</tr>
<tr>
<td>AUTO LV CTRL</td>
<td>Adjust the difference in volume levels among sources or audio files automatically.</td>
</tr>
<tr>
<td>[OFF], [MODE1], [MODE2]</td>
<td></td>
</tr>
<tr>
<td>SLA</td>
<td>Adjust the volume level for each source except FM.</td>
</tr>
<tr>
<td>[+4] to [-4]</td>
<td>Each of the below combinations are set to the same setting automatically.</td>
</tr>
<tr>
<td></td>
<td>• When making a USB connection, set USB, iPod, PANDORA, ANDROID, SPOTIFY, and APP.</td>
</tr>
<tr>
<td></td>
<td>• When making a Bluetooth connection, set BT AUDIO, iPod, PANDORA, ANDROID, SPOTIFY, and APP.</td>
</tr>
</tbody>
</table>

*1 Not available when [SW] is selected in [REAR-SP] in the INITIAL settings (page 6).
*2 Not available when [FUL] is selected in [REAR-SP] in the INITIAL settings (page 6).

**SYSTEM settings**
You can also access to these menus when the unit is turned off.

<table>
<thead>
<tr>
<th>Menu Item</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>CLOCK SET</td>
<td>Set the clock (page 5).</td>
</tr>
<tr>
<td>12H/24H</td>
<td>Select the time notation.</td>
</tr>
<tr>
<td>[12H], [24H]</td>
<td></td>
</tr>
<tr>
<td>BEEP TONE</td>
<td>A beep can be heard when any button is pushed. Select [OFF] to disable this function.</td>
</tr>
<tr>
<td>[ON], [OFF]</td>
<td></td>
</tr>
<tr>
<td>INFO DISPLAY</td>
<td>Display the item on the sub information display.</td>
</tr>
<tr>
<td>[SOURCE/BTINFO], [SOURCE/ SPEANA], [CLOCK/BTINFO], [CLOCK/SPEANA], [LEVEL METER], [SPEANA], [OFF]</td>
<td>• When [SOURCE/SPEANA] or [CLOCK/SPEANA] is selected, display the antenna instead of the speana on the radio source.</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Menu Item</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>DOT DISPLAY</td>
<td>Select [SPEANA] or [ICON] to appear on the left side of the display.</td>
</tr>
<tr>
<td>[SPEANA], [ICON]</td>
<td></td>
</tr>
<tr>
<td>AUX</td>
<td>Set to [ON] when using an auxiliary device connected to the unit.</td>
</tr>
<tr>
<td>[ON], [OFF]</td>
<td></td>
</tr>
<tr>
<td>BT AUDIO</td>
<td>Set the Bluetooth signal on/off.</td>
</tr>
<tr>
<td>[ON], [OFF]</td>
<td></td>
</tr>
<tr>
<td>SPOTIFY</td>
<td>Set to [ON] when using the Spotify function.</td>
</tr>
<tr>
<td>[ON], [OFF]</td>
<td></td>
</tr>
<tr>
<td>BT MEM CLEAR</td>
<td>Clear the Bluetooth device data (device list, PIN code, call history, phone book, preset phone numbers) stored in the unit. [CLEARED] appears when data is successfully deleted.</td>
</tr>
<tr>
<td>[YES], [CANCEL]</td>
<td></td>
</tr>
<tr>
<td>PHONE CONNECT</td>
<td>Select the type of device ([IPHONE/IPOD] or [ANDROID]) and the appropriate connection method ([WIRED] or [BLUETOOTH]) according to your device.</td>
</tr>
<tr>
<td>[IPHONE/IPOD], [ANDROID]</td>
<td></td>
</tr>
<tr>
<td>ANDROID WIRED</td>
<td>Select the appropriate connection method for an Android device.</td>
</tr>
<tr>
<td>[MEMORY], [APP CONTROL]</td>
<td></td>
</tr>
<tr>
<td>P.APP AUTO ON</td>
<td>Select [ON] to automatically launch Pioneer ARC APP when an Android device is connected to the unit via AOA. (Not available when [MEMORY] is selected in [ANDROID WIRED].)</td>
</tr>
<tr>
<td>[ON], [OFF]</td>
<td></td>
</tr>
</tbody>
</table>
### ILLUMINATION settings

<table>
<thead>
<tr>
<th>Menu Item</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>USB AUTO</td>
<td><strong>[ON], [OFF]</strong> Select [ON] to automatically switch to [USB] source when a USB device/iPod is connected to the unit. Select [OFF] when a USB device/iPod is being connected to the unit just for charging.</td>
</tr>
</tbody>
</table>

#### COLOR

<table>
<thead>
<tr>
<th>Menu Item</th>
<th>Description</th>
</tr>
</thead>
</table>
| **[KEY COLOR]**, **[DISP COLOR]**, **[BOTH COLOR]** | Select color for the keys/display of the unit from 12 preset colors, [SCAN] or [CUSTOM]*.  
  - [SCAN]: Cycle through a variety of colors automatically.  
  - [CUSTOM]*:  
    1. Press and hold the M.C. dial until the color setting display appears.  
    2. Set the primary color (R red)/G (green)/B (blue) and brightness level (0) to (60).  
    You cannot select a level below 10 for all three of R (red), G (green), B (blue) at the same time.  
    You can also customize the preset colors. Select one of the preset colors, then press and hold the M.C. dial until the color setting display appears.  
    * The CUSTOM setting is only available for [KEY COLOR] and [DISP COLOR]. |

| DIM SETTING | **[SYNC ILLUMI]**, **[SYNC CLOCK]**, **[ON]**, **[OFF]**  
  | Change the display brightness. |

| BRIGHTNESS   | **[1]** to **[10]**  
  | Change the display brightness.  
  The available setting ranges differ depending on [DIM SETTING]. |

| PHONE COLOR  | **[FLASHING]**  
  | Select the key color when a call is received. Applies the color set by [KEY COLOR].  
  | **[FLASH FX1]** to **[FLASH FX6]**  
  | Cycle through a variety of colors automatically.  
  | **[OFF]**  
  | No change in key color made. |

### MIXTRAX settings

<table>
<thead>
<tr>
<th>Menu Item</th>
<th>Description</th>
</tr>
</thead>
</table>
| SHORT PLAYBACK | **[1.0 MIN]**, **[1.5 MIN]**, **[2.0 MIN]**, **[2.5 MIN]**, **[3.0 MIN]**, **[OFF]**  
  | Select the length of the playback time. |

| FLASH AREA   | **[KEY/DISPLAY]**, **[KEY]**, **[OFF]**  
  | Select the area for the illumination effect. When [OFF] is selected, the color set under the ILLUMINATION settings (page 18) is used as the display color. |

| FLASH PATTERN | **[SOUND LEVEL 1]** to **[SOUND LEVEL 6]**  
  | Change the illumination effect according to the sound and bass level.  
  The flash pattern changes according to the sound level.  
  **[LOW PASS 1]** to **[LOW PASS 6]**  
  | The flash pattern changes according to the bass level.  
  | **[RANDOM1]**  
  | The flash pattern changes randomly according to the sound level mode and low pass mode.  
  | **[RANDOM2]**  
  | The flash pattern changes randomly according to the sound level mode.  
  | **[RANDOM3]**  
  | The flash pattern changes randomly according to the low pass mode. |

| DISPLAY FX   | **[ON]**, **[OFF]**  
  | Set the MIXTRAX special effects on/off. |

| CUT IN FX    | **[ON]**, **[OFF]**  
  | Turn the MIXTRAX sound effects on/off while manually changing the tracks. |
Connections/Installation

Connections

In the following, "NW" represents network mode and "STD" represents standard mode. According to the connections you have established, change the speaker mode to standard mode (STD) or network mode (NW) (page 5).

**WARNING**

- When speaker output is used by 4 channels, use speakers over 50 W (maximum input power) and between 4 Ω to 8 Ω (impedance value). Do not use 1 Ω to 3 Ω speakers for this unit.
- When rear speaker output is used by 2 Ω of subwoofer, use speakers over 70 W (maximum input power).
  * Please refer to connections for a connection method.
- The black cable is ground. When installing this unit or power amp (sold separately), make sure to connect the ground wire first. Ensure that the ground wire is properly connected to metal parts of the car's body. The ground wire of the power amp and the one of this unit or any other device must be connected to the car separately with different screws. If the screw for the ground wire loosens or falls out, it could result in fire, generation of smoke or malfunction.

**Important**

- When installing this unit in a vehicle without an ACC (accessory) position on the ignition switch, failure to connect the red cable to the terminal that detects operation of the ignition key may result in battery drain.

- Use this unit with a 12-volt battery and negative grounding only. Failure to do so may result in a fire or malfunction.
- To prevent a short-circuit, overheating or malfunction, be sure to follow the directions below.
  - Disconnect the negative terminal of the battery before installation.
  - Secure the wiring with cable clamps or adhesive tape. Wrap adhesive tape around wiring that comes into contact with metal parts to protect the wiring.
  - Place all cables away from moving parts, such as the shift lever and seat rails.
  - Place all cables away from hot places, such as near the heater outlet.

- Do not connect the yellow cable to the battery by passing it through the hole to the engine compartment.
- Cover any disconnected cable connectors with insulating tape.
- Do not shorten any cables.
- Never cut the insulation of the power cable of this unit in order to share the power with other devices. The current capacity of the cable is limited.
- Use a fuse of the rating prescribed.
- Never wire the negative speaker cable directly to ground.
- Never band together negative cables of multiple speakers.

- When this unit is on, control signals are sent through the blue/white cable. Connect this cable to the system remote control of an external power amp or the vehicle's auto-antenna relay control terminal (max. 300mA 12 V DC). If the vehicle is equipped with a glass antenna, connect it to the antenna booster power supply terminal.
- Never connect the blue/white cable to the power terminal of an external power amp. Also, never connect it to the power terminal of the auto antenna. Doing so may result in battery drain or a malfunction.
- The graphical symbol placed on the product means direct current.

Power cord

Perform these connections when not connecting a rear speaker or middle range speaker lead to a subwoofer.

---

This unit

1. Microphone 3 m (9 ft. 10-1/8 in.)
2. Power cord input
3. Microphone input
4. Rear output (STD) or middle range output (NW)
5. Front output (STD) or high range output (NW)
6. Antenna input
7. Fuse (10 A)
8. Wired remote input
   Hard-wired remote control adapter can be connected (sold separately).
9. Subwoofer output

---

Perform these connections when using a subwoofer without the optional amplifier.
**Important**

In the case of  above, two 4Ω subwoofers wired in parallel will represent a 2 Ω load.

1. To power cord input
2. Left
3. Right
4. Front speaker (STD) or high range speaker (NW)
5. Rear speaker (STD) or middle range speaker (NW)
6. White
7. White/black
8. Gray
9. Gray/black
10. Green
11. Green/black
12. Violet
13. Violet/black
14. Black (chassis ground)
15. Yellow
16. Red
17. Blue/white
18. Connect to the constant 12 V supply terminal.
19. Red
20. Connect to terminal controlled by the ignition switch (12 V DC).
21. Blue/white
22. Connect to the system control terminal of the power amp or auto-antenna relay control terminal (max. 300 mA 12 V DC).
23. Subwoofer (4 Ω)
24. When using a subwoofer of 2 Ω, be sure to connect the subwoofer to the violet and violet/black leads of this unit. Do not connect anything to the green and green/black leads.
25. Not used.
26. Subwoofer (4 Ω) × 2
27. Orange/white
28. Connect to a car’s illumination signal.

**Power amp (sold separately)**

Perform these connections when using the optional amplifier.

1. System remote control
   - Connect to blue/white cable.
2. Power amp (sold separately)
3. Connect with RCA cables (sold separately)
4. To rear output (STD) or middle range output (NW)
5. Rear speaker (STD) or middle range speaker (NW)
6. To front output (STD) or high range output (NW)
7. Front speaker (STD) or high range speaker (NW)
8. To subwoofer output
9. Subwoofer
10. CD Trim ring
11. Notched tab
12. Screw
13. Mounting bracket
14. Dashboard or console
15. Use either truss (5 mm x 9 mm) or flush surface (5 mm x 9 mm) screws, depending on the bracket screw holes.

**Installation**

**Important**

- Check all connections and systems before final installation.
- Do not use unauthorized parts as this may cause malfunctions.
- Consult your dealer if installation requires drilling of holes or other modifications to the vehicle.
- Do not install this unit where:
  - it may interfere with operation of the vehicle.
  - it may cause injury to a passenger as a result of a sudden stop.
  - The semiconductor laser will be damaged if it overheats.
  - Optimum performance is obtained when the unit is installed at an angle of less than 60°.
  - When installing, to ensure proper heat dispersal when using this unit, make sure you leave ample space behind the rear panel and wrap any loose cables so they are not blocking the vents.

**When not using the supplied mounting sleeve**

1. Determine the appropriate position where the holes on the bracket and the side of the unit match.
2. 2 Tighten two screws on each side.

**DIN mount installation**

1. Insert the supplied mounting sleeve into the dashboard.
2. Secure the mounting sleeve by using a screwdriver to bend the metal tabs (90°) into place.

**Removing the unit (installed with the supplied mounting sleeve)**

1. Remove the trim ring.
2. Insert the supplied extraction keys into both sides of the unit until they click into place.
3. Pull the unit out of the dashboard.
To secure the front panel
The front panel can be secured with the supplied screw.

Installing the microphone
The microphone should be placed directly in front of the driver at a suitable distance to pick up their voice clearly.

⚠️ CAUTION
It is extremely dangerous to allow the microphone lead to become wound around the steering column or shift lever. Be sure to install the microphone in such a way that it will not obstruct driving. It is recommended to use the clamps (sold separately) to arrange the lead.

NOTE
Depending on the vehicle model, the microphone cable length may be too short when you mount the microphone on the sun visor. In such cases, install the microphone on the steering column.

To install on the steering column
1. Slide the microphone base to detach it from the microphone clip.

To install on the sun visor
1. Fit the microphone lead into the groove.

2. Install the microphone clip on the sun visor. Lowering the sun visor reduces the voice recognition rate.
Additional Information

Troubleshooting

The display automatically returns to the normal display.
→ No operations have been made for about 30 seconds.
→ Perform an operation.

The repeat play range changes unexpectedly.
→ Depending on the repeat play range, the selected range may change when another folder or track is being selected or during fast forwarding/reversing.
→ Select the repeat play range again.

A subfolder is not played back.
→ Subfolders cannot be played when [FLD] (folder repeat) is selected.
→ Select another repeat play range.

The sound is intermittent.
→ You are using a device, such as a cellular phone, that may cause audible interference.
→ Move electrical devices that may be causing the interference away from the unit.

The sound from the Bluetooth audio source is not played back.
→ There is a call in progress on a Bluetooth-connected cellular phone.
→ The sound will be played back when the call is terminated.
→ A Bluetooth-connected cellular phone is currently being operated.
→ Stop using the cellular phone.
→ The connection between the unit and the cellular phone is not established correctly after a call made by a Bluetooth-connected cellular phone.

Make a Bluetooth connection between the unit and the cellular phone again.

Common

AMP ERROR
→ This unit fails to operate or the speaker connection is incorrect.
→ Check the speaker connection.
→ Turn the ignition switch OFF and back to ON again. If the message remains, contact your dealer or an authorized Pioneer Service Station for assistance.

NO XXXX (NO TITLE, for example)
→ There is no embedded text information.
→ Switch the display or play another track/file.

CD player

ERROR-07, 11, 12, 17, 30
→ The disc is dirty.
→ Clean the disc.
→ The disc is scratched.
→ Replace the disc.

ERROR-07, 10, 11, 12, 15, 17, 30, A0
→ There is an electrical or mechanical error.
→ Turn the ignition switch OFF and back to ON, then back to the CD player.

ERROR-15
→ The inserted disc is blank.
→ Replace the disc.

ERROR-23
→ Unsupported CD format.
→ Replace the disc.

FORMAT READ
→ Sometimes there is a delay between the start of playback and when you start to hear any sound.
→ Wait until the message disappears and you hear sound.

NO AUDIO
→ The inserted disc does not contain any playable files.
→ Replace the disc.

SKIPPED
→ The inserted disc contains DRM protected files.
→ The protected files are skipped.

PROTECT
→ All the files on the connected USB device are embedded with DRM.

USB device/iPod

FORMAT READ
→ Sometimes there is a delay between the start of playback and when you start to hear any sound.
→ Wait until the message disappears and you hear sound.

NO AUDIO
→ There are no songs.
→ Transfer the audio files to the USB device and connect.
→ The connected USB device has security enabled.
→ Follow the USB device instructions to disable the security.

SKIPPED
→ The connected USB device contains DRM protected files.
→ The protected files are skipped.

PROTECT
→ All the files on the connected USB device are embedded with DRM.

N/A USB
→ The connected USB device is not supported by this unit.
→ Disconnect your device and replace it with a compatible USB device.

HUB ERROR
→ The USB device connected via a USB hub is not supported by this unit.
→ Connect the USB device directly to this unit using a USB cable.

CHECK USB
→ The USB connector or USB cable has short-circuited.
→ Check that the USB connector or USB cable is not caught in anything or damaged.
→ The connected USB device consumes more than maximum allowable current.
→ Disconnect the USB device and do not use it. Turn the ignition switch OFF and back to ACC or ON. Connect only compliant USB devices.
→ The iPod operates correctly but does not charge.
→ Make sure the connection cable for the iPod has not shorted out (e.g., not caught in metal objects). After checking, turn the ignition switch OFF and back to ON, or disconnect the iPod and reconnect.

ERROR-19
→ Communication failed.
→ Perform one of the following operations, then return to the USB source.
→ Turn the ignition switch OFF and back to ON.
→ Disconnect the USB device.
→ Change to a different source.
→ iPod failure.
→ Disconnect the cable from the iPod. Once the iPod’s main menu is
displayed, reconnect the iPod and reset it.

**ERROR-23**
- USB device was not formatted properly.
  - Format the USB device with FAT12, FAT16 or FAT32.

**ERROR-16**
- The iPod firmware version is old.
  - Update the iPod version.
- iPod failure.
  - Disconnect the cable from the iPod. Once the iPod's main menu is displayed, reconnect the iPod and reset it.

**STOP**
- There are no songs in the current list.
  - Select a list that contains songs.

**NOT FOUND**
- No related songs.
  - Transfer songs to the iPod.

**NO BT DEVICE GO TO BT MENU TO REGISTER**
- No Bluetooth device found.
  - Connect the unit and iPod via Bluetooth (page 8).

**CONN. FAILED PRESS BAND KEY TO RETRY**
- Bluetooth connection with iPod failed.
  - Press BAND/ to make a connection again.

**DISCONNECTED PRESS BAND KEY TO RETRY**
- Bluetooth connection with iPod failed.
  - Press BAND/ to make a connection again.

**Bluetooth device**

**ERROR-10**
- The power failed for the Bluetooth module of the unit.

- Turn the ignition switch OFF and back to ACC or ON.

**Pandora**

**ERROR-19**
- Communication failed.
  - Disconnect the cable from the device. Once the device's main menu is displayed, reconnect the device and reset it.

**START UP APP**
- The Pandora application has not started running yet.
  - Start up the Pandora application.

**RATING ERROR**
- The thumb rating operation was disabled.
  - Run the same command for another track.

**CAN'T SKIP**
- The skip operation was disabled.
  - Run the same command for another track.

**TRY LATER**
- Unable to save thumb rating.
  - Unable to save BookMark.
  - Unable to add station.
  - Try again later.

**MAINTENANCE**
- Pandora system is undergoing maintenance.
  - Try again later.

**SKIP LIMIT**
- Due to music licensing restrictions, Pandora limits the total number of skips per hour.
  - Wait until Pandora allows you to skip again.

**UPDATE APP**
- This version of the Pandora application is not supported.
  - Connect a device that has a compatible version of the Pandora application installed.

**LOGIN ERROR**
- Your Pandora account is not logged in.
  - Disconnect the cable from the device, and log in to your Pandora account. Then reconnect the device.

**CHECK DEVICE**
- Device error message displayed in the Pandora application.
  - Check the connected device.

**PLEASE CREATE A STATION ON THE PHONE**
- No station found.
  - Create a station in the Pandora application on your connected device.

**SELECT STN**
- No station selected.
  - Select a station.

**NO BT DEVICE GO TO BT MENU TO REGISTER**
- No Bluetooth device found.
  - Connect the unit and the device via Bluetooth (page 8).

**CONN. FAILED PRESS BAND KEY TO RETRY**
- Bluetooth connection failed.
  - Press BAND/ to make a connection again.

**CHECK APP PRESS BAND KEY TO RETRY**
- Connection to the Pandora application failed.
  - Press BAND/ to make a connection again.

**DISCONNECTED PRESS BAND KEY TO RETRY**
- Bluetooth connection lost.
  - Press BAND/ to make a connection again.

**STATION FULL**
- A new station cannot be added.
  - Delete an old station to open a spot for a new one.

**CAN'T DELETE**
- The station could not be deleted.
  - Run the same command for another station.

**NO NETWORK**
- The connected device is out of area.
  - Connect the device to a network.

**NO SERVICE IN THIS COUNTRY**
- The connected device is out of area.
  - Connect the device to a network.

**Apps**

**NO BT DEVICE GO TO BT MENU TO REGISTER**
- No Bluetooth device found.
  - Connect the unit and the device via Bluetooth (page 8).

**CONN. FAILED PRESS BAND KEY TO RETRY**
- Bluetooth connection failed.
  - Press BAND/ to make a connection again.

**DISCONNECTED PRESS BAND KEY TO RETRY**
- Bluetooth connection failed.
  - Press BAND/ to make a connection again.
**Handling guidelines**

**Discs and player**
- Use only discs that feature either of the following two logos.
- Use 12-cm discs.
- Use only conventional, fully circular discs.
- The following types of discs cannot be used with this unit:
  - DualDiscs
  - 8-cm discs: Attempts to use such discs with an adaptor may cause the unit to malfunction.
  - Oddly shaped discs
  - Discs other than CDs
  - Damaged discs, including discs that are cracked, chipped or warped
  - CD-R/RW discs that have not been finalized
- Do not write on or apply chemicals to the surface of the discs.
- To clean a CD, wipe the disc with a soft cloth outward from the center.
- Condensation may temporarily impair the player’s performance. Let it rest for about one hour to adjust to a warmer temperature. Also, wipe any damp discs off with a soft cloth.
- When using discs that can be printed on label surfaces, check the instructions and the warnings of the discs. Depending on the discs, inserting and ejecting may not be possible. Using such discs may result in damage to this equipment.
- Do not attach commercially available labels or other materials to the discs. - The discs may warp making the disc unplayable.
- The labels may come off during playback and prevent ejection of the discs, which may result in damage to the equipment.

**USB storage device**
- Connections via USB hubs are not supported.
- Firmly secure the USB storage device before driving. Do not let the USB storage device fall onto the floor, where it may become jammed under the brake or accelerator pedal.
- Depending on the USB storage device, the following problems may occur.
  - Operations may vary.
  - The storage device may not be recognized.
  - Files may not be played back properly.
  - The device may cause audible interference when you are listening to the radio.

**iPod**
- Do not leave the iPod in places with high temperatures.
- Firmly secure the iPod when driving. Do not let the iPod fall onto the floor, where it may become jammed under the brake or accelerator pedal.
- The settings of the iPod such as the equalizer and repeat play are changed automatically when the iPod is connected to the unit. Once the iPod is disconnected, those settings will return to the original settings.
- Incompatible text saved on the iPod will not be displayed by the unit.

**Compressed audio compatibility**
- Only the first 32 characters can be displayed as a file name (including the file extension) or a folder name.

**Check app**
- Connection to the application failed.
  - Follow the instructions that appear on the screen.

**Start up app**
- The application has not started running yet.
  - Operate the mobile device to start up the application.

**Spotify**
- No Bluetooth device found.
  - Connect the unit and the device via Bluetooth (page 8).

**Conn. failed press band key to retry**
- Bluetooth connection failed.
  - Press BAND/ to make a connection again.

**Check app press band key to retry**
- Connection to the Spotify application failed.
  - Press BAND/ to make a connection again.

**Disconnected press band key to retry**
- Bluetooth connection lost.
  - Press BAND/ to make a connection again.

**Check app**
- Connection to the Spotify application failed.
  - Follow the instructions that appear on the screen.

**WMA files**

<table>
<thead>
<tr>
<th>File extension</th>
<th>.wma</th>
</tr>
</thead>
<tbody>
<tr>
<td>Bit rate</td>
<td>48 kbps to 320 kbps (CBR), 48 kbps to 384 kbps (VBR)</td>
</tr>
<tr>
<td>Sampling frequency</td>
<td>32 kHz, 44.1 kHz, 48 kHz</td>
</tr>
<tr>
<td>Windows Media Audio Professional, Lossless, Voice/DRM Stream/Stream with video</td>
<td>Not compatible</td>
</tr>
</tbody>
</table>

**MP3 files**

<table>
<thead>
<tr>
<th>File extension</th>
<th>.mp3</th>
</tr>
</thead>
<tbody>
<tr>
<td>Bit rate</td>
<td>8 kbps to 320 kbps (CBR), VBR</td>
</tr>
<tr>
<td>Sampling frequency</td>
<td>8 kHz to 48 kHz (32 kHz, 44.1 kHz, 48 kHz for emphasis)</td>
</tr>
<tr>
<td>Compatible ID3 tag version</td>
<td>1.0, 1.1, 2.2, 2.3, 2.4 (ID3 tag Version 2.x is given priority over Version 1.x)</td>
</tr>
<tr>
<td>M3u playlist</td>
<td>Not compatible</td>
</tr>
</tbody>
</table>
### WAV files
- WAV file formats cannot be connected via MTP.

<table>
<thead>
<tr>
<th>File extension</th>
<th>wav</th>
</tr>
</thead>
<tbody>
<tr>
<td>Quantization bits</td>
<td>8 and 16 (LPCM), 4 (MS ADPCM)</td>
</tr>
<tr>
<td>Sampling frequency</td>
<td>16 kHz to 48 kHz (LPCM), 22.05 kHz and 44.1 kHz (MS ADPCM)</td>
</tr>
</tbody>
</table>

### AAC files
- Compatible format | AAC encoded by iTunes |
- File extension | .m4a |
- Sampling frequency | 11.025 kHz to 48 kHz |
- Transmission rate | 16 kbps to 320 kbps, VBR |
- Apple Lossless | Not compatible |
- AAC file bought from the iTunes Store (.m4p file extension) | Not compatible |

### FLAC files
- FLAC file formats cannot be connected via MTP.
- FLAC files may not be playable, depending on the encoder.

<table>
<thead>
<tr>
<th>File extension</th>
<th>.flac</th>
</tr>
</thead>
<tbody>
<tr>
<td>Sampling frequency</td>
<td>8/11.025/12/16/22.05/24/32/44.1/48/96 kHz</td>
</tr>
<tr>
<td>Quantization bit rate</td>
<td>16/24 bit</td>
</tr>
<tr>
<td>Channel mode</td>
<td>1/2 ch</td>
</tr>
</tbody>
</table>

### Disc
- Regardless of the length of the blank section between the songs from the original recording, compressed audio discs play with a short pause between songs.

### Functional characteristics

#### iPod compatibility
This unit supports only the following iPod models. Supported iPod software versions are shown below. Older versions may not be supported.

- iPod touch (1st through 6th generation)
- iPod classic
- iPod with video
- iPod nano (1st through 7th generation)
- iPhone 6s
- iPhone 6s Plus
- iPhone 6
- iPhone 6 Plus
- iPhone 5s
- iPhone 5c
- iPhone 5

- iPhone 4s
- iPhone 4
- iPhone 3GS
- iPhone 3G
- iPhone

- Operations may vary depending on the generation and/or software version of the iPod.
- Users of iPod with the Lightning Connector should use the Lightning to USB Cable (supplied with iPod).
- Users of iPod with the Dock Connector should use the CD-IU51. For details, consult your dealer.
- Refer to the iPod manuals for information about the file/format compatibility.
- Audiobook, Podcast: Compatible

#### Copyright and trademark
Pioneer accepts no responsibility for data lost on the iPod, even if that data is lost while this unit is used.

#### Sequence of audio files
The user cannot assign folder numbers and specify playback sequences with this unit. Sequence of audio file depends on the connected device. Note that the hidden files in a USB device cannot be played back.

### Example of a hierarchy

```
01  [Folder]
  02  [Compressed audio file]
  03  [Folder]
    04  [Folder]
    05  [Folder]

01 to 05: Folder number
1 to 6: Playback sequence
```

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Specifications

General
Power source: 14.4 V DC (10.8 V to 15.1 V allowable)
Grounding system: Negative type
Maximum current consumption: 10.0 A
Dimensions (W x H x D):
DIN
Chassis: 178 mm x 50 mm x 165 mm
(7 in. x 2 in. x 6-1/2 in.)
Nose: 188 mm x 58 mm x 16 mm (7-3/8 in. x 2-1/4 in. x 5/8 in.)
D
Chassis: 178 mm x 50 mm x 165 mm
(7 in. x 2 in. x 6-1/2 in.)
Nose: 170 mm x 46 mm x 16 mm (6-3/4 in. x 1-3/4 in. x 5/8 in.)
Weight: 1 kg (2.2 lbs)

Audio
Maximum power output:
• 50 W x 4 ch/4 Ω (for no subwoofer)
• 50 W x 2 ch/4 Ω + 70 W x 1 ch/2 Ω (for subwoofer)
Continuous power output: 22 W x 4 (50 Hz to 15 000 Hz, 5 % THD, 4 Ω load, both channels driven)
Load impedance: 4 Ω (4 Ω to 8 Ω (2 Ω for 1 ch) allowable)
Preout maximum output level: 2.0 V

Equalizer (13-Band Graphic Equalizer):
Frequency: 50 Hz/80 Hz/125 Hz/200 Hz/315 Hz/500 Hz/800 Hz/1.25 kHz/2 kHz/3.15 kHz/5 kHz/8 kHz/12.5 kHz
Gain: +12 dB (2 dB step)
High pass filter (Standard mode):
Frequency: 50 Hz/63 Hz/80 Hz/100 Hz/125 Hz/160 Hz/200 Hz
Slope: -6 dB/oct, -12 dB/oct, -18 dB/oct, -24 dB/oct, OFF
Subwoofer/Low pass filter (Standard mode):
Frequency: 50 Hz/63 Hz/80 Hz/100 Hz/125 Hz/160 Hz/200 Hz
Slope: -6 dB/oct, -12 dB/oct, -18 dB/oct, -24 dB/oct, OFF
Gain: +10 dB to -24 dB (1 dB step)
Phase: Normal/Reverse
Speaker level (Standard mode):
+10 dB to -24 dB (1 dB step)
Time alignment (Standard mode):
0 inch to 140 inch (1 inch/Step)
Bass boost (Standard mode):
Gain: +12 dB to 0 dB
High pass filter (HIGH) (Network mode):
Frequency: 1.25 kHz/1.6 kHz/2 kHz/2.5 kHz/3.15 kHz/4 kHz/5 kHz/6.3 kHz/8 kHz/10 kHz/12.5 kHz
Slope: -6 dB/oct, -12 dB/oct, -18 dB/oct, -24 dB/oct
High pass filter (MID) (Network mode):
Frequency: 25 Hz/31.5 Hz/40 Hz/50 Hz/63 Hz/80 Hz/100 Hz/125 Hz/160 Hz/200 Hz/250 Hz
Slope: -6 dB/oct, -12 dB/oct, -18 dB/oct, -24 dB/oct, OFF
Low pass filter (MID) (Network mode):
Frequency: 1.25 kHz/1.6 kHz/2 kHz/2.5 kHz/3.15 kHz/4 kHz/5 kHz/6.3 kHz/8 kHz/10 kHz/12.5 kHz
Slope: -6 dB/oct, -12 dB/oct, -18 dB/oct, -24 dB/oct, OFF
Subwoofer (Network mode):
Frequency: 25 Hz/31.5 Hz/40 Hz/50 Hz/63 Hz/80 Hz/100 Hz/125 Hz/160 Hz/200 Hz/250 Hz
Slope: -12 dB/oct, -18 dB/oct, -24 dB/oct, -30 dB/oct, -36 dB/oct, OFF
Gain: +10 dB to -24 dB (1 dB step)
Phase: Normal/Reverse
Speaker level (Network mode):
+10 dB to -24 dB (1 dB step)
Time alignment (Network mode):
0 Inch to 140 Inch (1 inch/Step)
Bass boost (Network mode):
Gain: +12 dB to 0 dB

CD player
System: Compact disc audio system
Usable discs: Compact disc
Signal-to-noise ratio: 94 dB (1 kHz) (IEC-A network)
Number of channels: 2 (stereo)
MP3 decoding format: MPEG-1 & 2 Audio Layer 3
WMA decoding format: Ver. 7, 7.1, 8, 9, 10, 11 (2 ch audio) (Windows Media Player)
AAC decoding format: MPEG-4 AAC (iTunes encoded only) (Ver. 10.6 and earlier)
WAV signal format: Linear PCM & MS ADPCM (Non-compressed)

USB
USB standard specification: USB 2.0 full speed
Maximum current supply: 1 A
USB Protocol:
MSC (Mass Storage Class)
MTP (Media Transfer Protocol)
AOA (Android Open Accessory) 2.0
File system: FAT12, FAT16, FAT32
MP3 decoding format: MPEG-1 & 2 Audio Layer 3
WMA decoding format: Ver. 7, 7.1, 8, 9, 10, 11 (2 ch audio) (Windows Media Player)
AAC decoding format: MPEG-4 AAC (iTunes encoded only) (Ver. 10.6 and earlier)
FLAC decoding format: v1.3.0 (Free Lossless Audio Codec)
WAV signal format: Linear PCM & MS ADPCM (Non-compressed)

FM tuner
Frequency range: 87.9 MHz to 107.9 MHz
Usable sensitivity: 11 dbf (1.0 μV/75 Ω, mono, S/N: 30 dB)
Signal-to-noise ratio: 72 dB (analog broadcasting) (IHF-A network)

AM tuner
Frequency range: 530 kHz to 1 710 kHz
Usable sensitivity: 25 μV (S/N: 20 dB)
Signal-to-noise ratio: 62 dB (analog broadcasting) (IHF-A network)

Bluetooth
Version: Bluetooth 3.0 certified
Output power: +4 dBm Maximum (Power class 2)
Frequency band(s): 2 400 MHz to 2 483.5 MHz
Bluetooth profiles:
GAP (Generic Access Profile)
SDAP (Service Discovery Application Profile)
HFP (Hands Free Profile) 1.6
PBAP (Phone Book Access Profile)
A2DP (Advanced Audio Distribution Profile)
AVRCP (Audio/Video Remote Control Profile) 1.5
SPP (Serial Port Profile) 1.1

CEA2006 Specifications
Power output: 14 W RMS x 4 Channels (4 Ω and ≤ 1 % THD+N)
S/N ratio: 91 dBA (reference: 1 W into 4 Ω)

NOTE
Specifications and the design are subject to modifications without notice.