

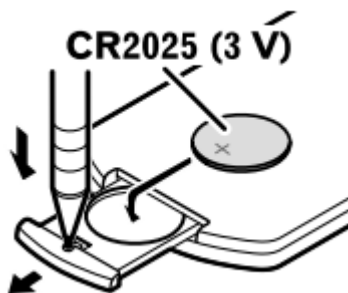
Precaution

Use and care of the remote control

Installing the battery

Slide the tray on the back of the remote control out and insert the battery with the plus (+) and minus (-) poles aligned properly.

- When using for the first time, pull out the film protruding from the tray



WARNING

- Do not ingest the battery, Chemical Burn Hazard.
- This product, including the supplied remote control, contains a coin/button cell battery. If the coin/button cell battery is swallowed, it can cause severe internal burns in just two hours and can lead to death.
- Keep new or used batteries out of the reach of children.
- If the battery is swallowed or placed inside any part of the body, consult a doctor immediately.
- If the battery compartment does not close securely, stop using the product and keep it away from children.
- Batteries (battery pack or batteries installed) must not be exposed to excessive heat such as sunshine, fire or the like.

CAUTION

- Remove the battery if the remote control is not used for a month or longer.
- There is a danger of explosion if the battery is incorrectly replaced. Replace only with the same or equivalent type.
- Do not handle the battery with metallic tools.
- Do not store the battery with metallic objects.

- If the battery leaks, wipe the remote control completely clean and install a new battery.
- When disposing of used batteries, comply with governmental regulations or environmental public institutions' rules that apply in your country/area.

Using the remote control

Point the remote control in the direction of the front panel to operate.

- The remote control may not function properly in direct sunlight.

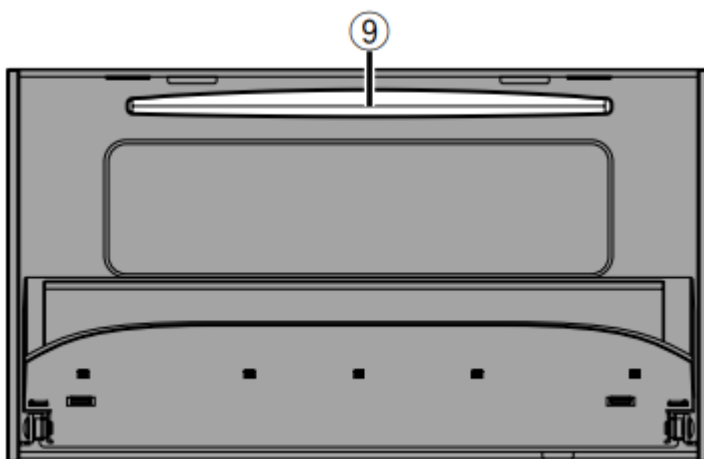
Important

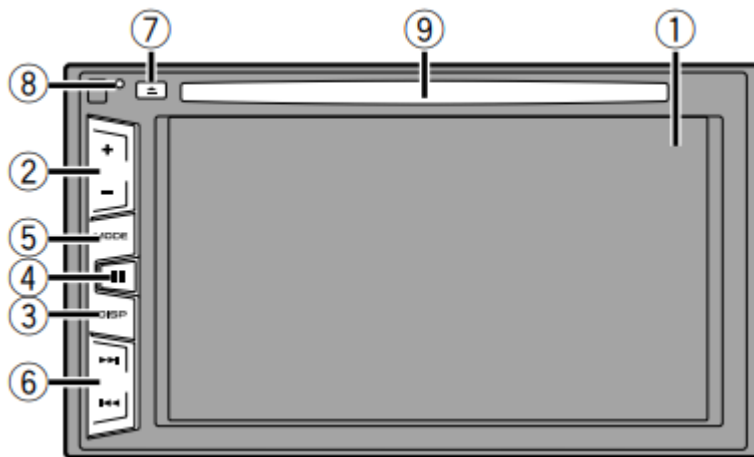
- Do not store the remote control in high temperatures or direct sunlight.
- Do not let the remote control fall onto the floor, where it may become jammed under the brake or gas pedal.





Basic operation

Checking part names and functions

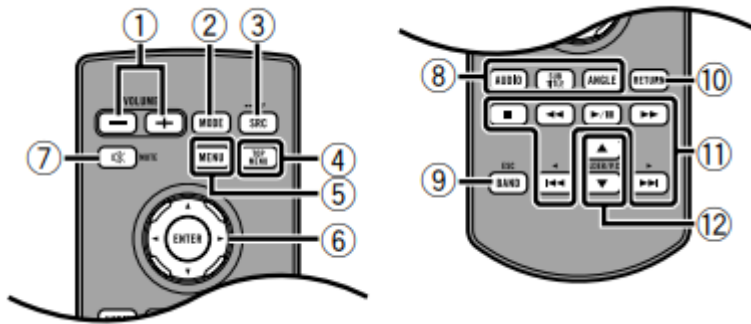
X5800BHS, X4800BS





1	LCD screen	
2	Volume (+/-) button	
3	DISP button	On the AV operation screen, press to turn the display off. On the Application screen or navigation mode, press to display the side control bar. Press and hold to turn the display off. <input type="checkbox"/> When the display is turned off, touch the screen to revert to the original screen.
4	 button	Press to display the top menu screen. Press and hold to activate the voice recognition function. ➔ Refer to <i>Using the voice recognition function (for iPhone)</i> on page 15
5	MODE button	Press to switch between the Application screen and the AV operation screen. Press and hold to switch to the camera view mode.
6	TRK ( / ) button	Press to return to the previous track (chapter) or go to the next track (chapter). Press and hold to perform fast reverse or fast forward. Press to answer or end a call.
7	 button	
8	RESET button	➔ Refer to <i>Resetting the microprocessor</i> on page 6
9	Disc-loading slot	➔ Refer to <i>Inserting and ejecting a disc</i> on page 8

Remote control



1	Volume (+/-)	
2	MODE	Press to switch between the Application screen and the AV operation screen. Press and hold to switch to the camera view mode.
3	SRC	Press to cycle through all the available sources. Press and hold to turn the source off.
4	TOP MENU	Returns to the top menu during DVD playback.
5	MENU	Displays the DVD menu during DVD playback.
6	Thumb pad	Selects a menu on the DVD menu.
7	MUTE	
8	AUDIO SUBTITLE ANGLE	Changes the audio language, subtitle language or viewing angle during DVD playback.
9	BAND/ESC	Selects the tuner band when tuner is selected as a source. Cancels the control mode of functions. Switches between media file types when playing the data of Disc, USB.
10	RETURN	Returns to the specified point and begins playback from there.
11	▶/ ◀◀ or ▶▶ ◀◀ or ▶▶ ■	Pauses or resumes playback. For audio: Press and hold to perform fast reverse or fast forward. For video: Press to perform fast reverse or fast forward. Press to return to the previous track (chapter) or go to the next track (chapter). Press to answer or end a call. Stops playback. If you resume playback, playback will start from the point where you stopped. Touch the key again to stop playback completely.
12	FOLDER/P.CH	Selects the next or previous disc or folder. Recalls radio station frequencies assigned to preset channel keys.

Notes on using the LCD panel

WARNING

- Keep hands and fingers clear of this product when opening, closing, or adjusting the LCD panel. Be especially cautious of children's hands and fingers.





- Do not use with the LCD panel left open. It may result in injury in the event of an accident.

CAUTION

- Do not open or close the LCD panel by force. It may cause a malfunction.
- Do not operate this product until the LCD panel has completely opened or closed. The LCD panel may stop at that angle for safety.
- Do not place a glass or can on the open LCD panel

Adjusting the LCD panel angle

X5800BHS, X4800BS

1. Press the  button.
2. Touch  or  to adjust the angle of the LCD panel.
3. Touch .

Returns to the previous screen.



Inserting/ejecting/connecting media

CAUTION Do not insert anything other than a disc into the disc-loading slot.

Inserting and ejecting a disc




Inserting a disc

X5800BHS, X4800BS

1. Press the  button.
2. Touch  to open the LCD panel.
3. Insert a disc into the disc-loading slot.

Ejecting a disc

X5800BHS, X4800BS

1. Press the  button.
2. Touch  to open the LCD panel.
3. Remove the disc, and press the  button.

Inserting a disc

X3800BHS, X2800BS, X1800S

1. Insert a disc into the disc-loading slot.

Ejecting a disc

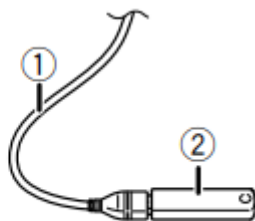
X3800BHS, X2800BS, X1800S

1. Press  button to eject a disc.

Plugging and unplugging a USB storage device

- This product may not achieve optimum performance with some USB storage devices.
- Connection via a USB hub is not possible.
- A USB cable is required for connection

1. Pull out the plug from the USB port of the USB cable.
2. Plug a USB storage device into the USB cable.




- ① USB cable
- ② USB storage device

Check that no data is being accessed before pulling out the USB storage device.

On first-time startup

1. Start the engine to boot up the system.

The “Select Program Language” screen appears.

- From the second time on, the screen shown will differ depending on the previous conditions.
2. Touch the language.
 3. Touch .

The “Speaker Mode Settings” screen appears.

4. Touch the speaker modes.

Standard Mode

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

Network Mode

3-way system with a high range speaker, middle range speaker and subwoofer (low range speaker) for reproduction of high, middle and low frequencies (bands).


WARNING Do not use the unit in standard mode when a speaker system for 3-way network mode is connected to this unit. This may cause damage to the speakers.

5. Touch [OK].

The “Smartphone Setup” screen appears.

6. Touch the item.

Refer to Information on the connections and functions for each device on page 17.

7. Touch .

The top menu screen appears.

Once the speaker mode is set, the setting cannot be changed unless this product is restored to the default settings. Restore the default settings to change the speaker mode setting.

Refer to Restoring the default settings on page 52

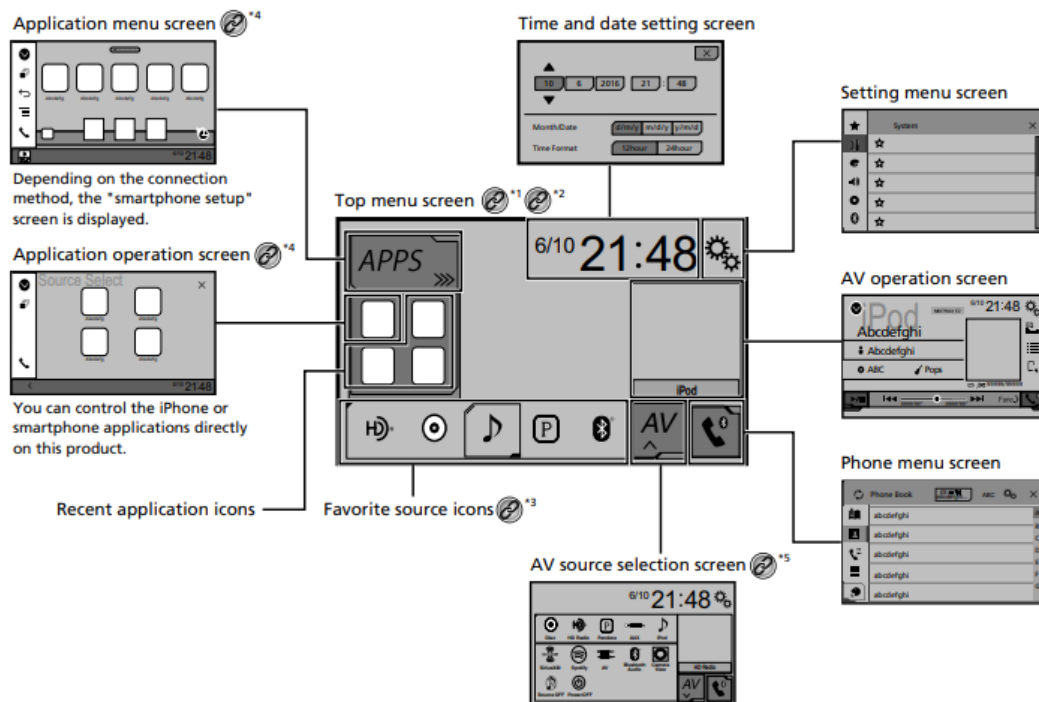
Switching the speaker mode

To change the speaker mode, you need to restore this product to the default settings.


1. Restore the default setting.

Refer to Restoring the default settings on page 52

How to use the screens



Displaying the AV operation screen

1. Press .
2. Touch the AV operation key.

The AV operation screen appears.

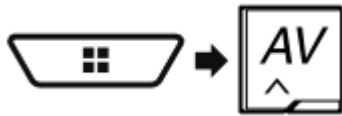


- ① **Displays the source list.**

Selecting a source

Source on the AV source selection screen

1. Display the “AV source selection” screen.



2. Touch the source icon.

When you select “Source OFF”, the AV source is turned off.

Source on the source list

1. Display the source list.

Refer to Displaying the AV operation screen on page 11

2. Touch the source key.

When you select “Source OFF”, the AV source is turned off.

Changing the display order of sources

Changing the display order of source icons

1. Display the “AV source selection” screen.




2. Touch and hold a source icon, and drag the icon to the desired position.

Changing the display order of source keys

1. Display the source list.

Refer to Displaying the AV operation screen on page 11

2. Touch .

3. Drag the source key to the desired position.


Using the touch panel

You can operate this product by touching the keys on the screen directly with your fingers.

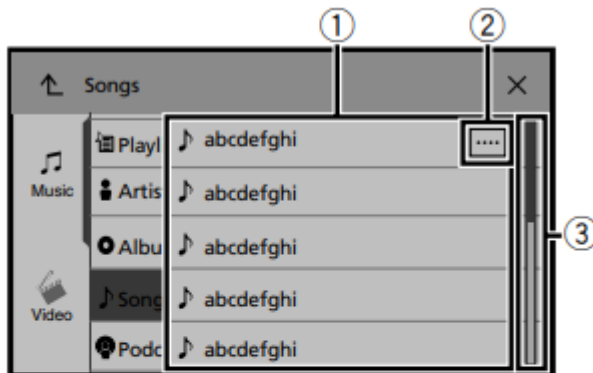
- To protect the LCD screen from damage, be sure to touch the screen only with your finger gently.

Common touch panel keys

 Returns to the previous screen.

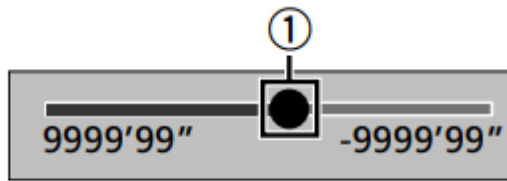
 Closes the screen.

Operating list screens



- ① Touching an item on the list allows you to narrow down the options and proceed to the next operation.
- ② Appears when all characters are not displayed on the display area.
If you touch the key, the rest are scrolled for display.
- ③ Appears when items cannot be displayed on a single page.
Drag the slider bar or the list to view any hidden items.

Operating the time bar



- ① You can change the playback point by dragging the key.

Playback time corresponding to the position of the key is displayed while dragging the key

Switching the operation panel




1. Touch .

The hidden function keys appears.

This key does not appear for some AV sources.

System settings

Displaying the “System” setting screen

1. Press .
2. Touch , and then .

The “System” setting screen appears.

Setting Bluetooth audio source activation

X5800BHS, X4800BS, X3800BHS, X2800BS

The default setting is “On”.

1. Display the “System” setting screen. Refer to Displaying the “System” setting screen on page 41
2. Touch [AV Source Settings].
3. Touch [Bluetooth Audio] to switch “On” or “Off”.

Setting Spotify source activation

The default setting is “On”.

1. Display the “System” setting screen. Refer to Displaying the “System” setting screen on page 41
2. Touch [AV Source Settings].

3. Touch [Spotify] to switch “On” or “Off”.

Setting the ever scroll

When “Ever Scroll” is set to “On”, the recorded text information scrolls continuously in the display while the vehicle is stopped. The default setting is “Off”.

1. Display the “System” setting screen. Refer to Displaying the “System” setting screen on page 41
2. Touch [Ever Scroll] to switch “On” or “Off”.

Setting the beep tone

The default setting is “On”.

1. Display the “System” setting screen. Refer to Displaying the “System” setting screen on page 41
2. Touch [Beep Tone] to switch “On” or “Off”.

Setting the auto audio mix function

You can select whether or not to activate the auto audio mix function. If the auto audio mix function is activated, this product automatically switches between mixing or not mixing the AV source sound and the sound output from your iPhone or smartphone according to the mixing property, such as that of the mixed sound or solo sound of the foreground application on your iPhone or smartphone.

The default setting is “On”.

1. Display the “System” setting screen. Refer to Displaying the “System” setting screen on page 41
2. Touch [Auto Mix] to switch “On” or “Off”.

Setting AppRadioOne Sound

You can set where the sound for AppRadioOne is output when it is used with an Android device.

1. Display the “System” setting screen. Refer to Displaying the “System” setting screen on page 41
2. Touch [Input/Output settings].
3. Touch [AppRadioOne Sound].
4. Touch the following settings.

AVH (default):

The sound is output from the speakers of this unit.

Smartphone:

The sound is output from the speakers of the Android device.

With an iPhone, the sound is always output from the speakers of this unit.

Setting the rear view camera

A separately sold rear view camera (e.g. ND-BC8) is required for utilizing the rear view camera function. (For details, consult your dealer.)

Rear view camera


This product features a function that automatically switches to the full-screen image of the rear view camera installed on your vehicle, when the shift lever is in the REVERSE (R) position. Camera View mode also allows you to check what is behind you while driving.

Camera for Camera View mode

Camera View can be displayed at all times. Please note that with this setting, the camera image is not resized to fit, and that a portion of what is seen by the camera is not viewable. To display the camera image, touch [Camera View] on the “AV source selection” screen. Refer to Source on the AV source selection screen on page 11

- To set the rear view camera as the camera for Camera View mode, set “Back Camera Input” to “On”. Refer to Setting rear view camera activation on page 41
- When using the 2nd camera, set “AV Input” to “Camera”. (AVH-X5800BHS)(AVH-X3800BHS). Refer to Starting procedure (for camera) on page 39
- When the camera view of both the rear view camera and 2nd camera are available, the key to switch the display appears. Touch this key to switch the display between the rear view image and 2nd camera image.

CAUTION Pioneer recommends the use of a camera which outputs mirror reversed images, otherwise the screen image may appear reversed.

- Immediately verify whether the display changes to a rear view camera image when the shift lever is moved to REVERSE (R) from another position.
- When the screen changes to full-screen rear view camera image during normal driving, switch to the opposite setting in “Camera Polarity”.
- If you touch  while the camera image is displayed, the displayed image will turn off temporarily

Setting rear view camera activation

The default setting is “Off”.

1. Display the “System” setting screen. Refer to Displaying the “System” setting screen on page 41
2. Touch [Camera settings].

3. Touch [Back Camera Input] to switch “On” or “Off”.

Setting the polarity of the rear view camera

This function is available when “Back Camera Input” is “On”.

Refer to Setting rear view camera activation on page 41

1. Display the “System” setting screen. Refer to Displaying the “System” setting screen on page 41
2. Touch [Camera settings].
3. Touch [Camera Polarity].

Battery (default):

The polarity of the connected lead is positive.

Ground:

The polarity of the connected lead is negative.

Setting the demo mode

The default setting is “On”.

1. Display the “System” setting screen. Refer to Displaying the “System” setting screen on page 41
2. Touch [Demo Mode] to switch “On” or “Off”.

Selecting the system language

If the embedded language and the selected language setting are not the same, text information may not display properly.

Some characters may not be displayed properly.

1. Display the “System” setting screen. Refer to Displaying the “System” setting screen on page 41
2. Touch [System Language].
3. Touch the language.

After the language is selected, the previous screen returns.

Setting the keyboard language with the application for iPhone

You can use the keyboard in AppRadioOne by setting the language of the keyboard for iPhone.



This function is only available in AppRadioOne on the iPhone.

1. Display the “System” setting screen. Refer to Displaying the “System” setting screen on page 41
2. Touch [Keyboard].
3. Touch the language.




After the language is selected, the previous screen returns.

Adjusting the response positions of the touch panel (touch panel calibration)

If you feel that the touch panel keys on the screen deviate from the actual positions that respond to your touch, adjust the response positions of the touch panel screen.

- This setting is available only when you stop your vehicle in a safe place and apply the parking brake.
 - Do not use sharp pointed tools such as a ballpoint or mechanical pen, which could damage the screen.
 - Do not turn off the engine while saving the adjusted position data.
1. Display the “System” setting screen. Refer to Displaying the “System” setting screen on page 41
 2. Touch [Touch panel calibration].
 3. Touch [Yes].
 4. Touch two corners of the screen along the arrows, and then touch the centers of two + marks at the same time twice.
 5. Press . The adjustment results are saved.
 6. Press  once again. Proceed to 16-point adjustment.
 7. Gently touch the center of the “+” mark displayed on the screen.

The target indicates the order

- When you press , the previous adjustment position returns.
 - When you press and hold , the adjustment is canceled.
8. Press and hold . The adjustment results are saved.

Setting the dimmer

Setting the dimmer trigger

This setting is available only when you stop your vehicle in a safe place and apply the parking brake.

1. Display the “System” setting screen. Refer to Displaying the “System” setting screen on page 41
2. Touch [Dimmer Settings].
3. Touch [Dimmer Trigger].
4. Touch the item.

Auto (default):

Switches the dimmer to on or off automatically according to your vehicle’s headlight turning on or off.

Manual:

Switches the dimmer to on or off manually.

Time:

Switches the dimmer to on or off at the time you adjusted.

Setting the dimmer duration in day or night

- You can use this function when “Dimmer Trigger” is set to “Manual”.
- This setting is available only when you stop your vehicle in a safe place and apply the parking brake.

1. Display the “System” setting screen. Refer to Displaying the “System” setting screen on page 41
2. Touch [Dimmer Settings].
3. Touch [Day/Night] to switch the following items.

Day (default):

Turns the dimmer manually to off.

Night:

Turns the dimmer manually to on.





Setting the dimmer duration optional

You can adjust the time that the dimmer is turned on or off.

- You can use this function when “Dimmer Trigger” is set to “Time”.
- This setting is available only when you stop your vehicle in a safe place and apply the parking brake.

1. Display the “System” setting screen. Refer to Displaying the “System” setting screen on page 41



2. Touch [Dimmer Settings].
3. Touch [Dimmer Duration]. The “Duration Setting” screen appears.
4. Drag the cursors to set the dimmer duration.
 - You can also set the dimmer duration touching  or .
 - Each touch of  or  moves the cursor backward or forward in the 15 minute width.

The default setting is 18:00-6:00 (6:00 PM-6:00 AM).

When the cursors are placed on the same point, the dimmer available time is 0 hours.

When the cursor for off time setting is placed on the left end and the cursor for on time setting is placed on the right end, the dimmer available time is 0 hours.

When the cursor for on time setting is placed on the left end and the cursor for off time setting is placed on the right end, the dimmer available time is 24 hours.

The time display of the dimmer duration adjusting bar is depending on the clock display setting. Refer to Setting the time and date on page 51

Adjusting the picture

You can adjust the picture for each source and rear view camera.

CAUTION For safety reasons, you cannot use some of these functions while your vehicle is in motion. To enable these functions, you must stop in a safe place and apply the parking brake.

1. Display the screen you wish to adjust.
2. Display the “System” setting screen. Refer to Displaying the “System” setting screen on page 41
3. Touch [Picture Adjustment].
4. Touch the item to select the function to be adjusted.

Brightness:

Adjusts the black intensity. (-24 to +24)

Contrast:

Adjusts the contrast. (-24 to +24)

Color:

Adjusts the color saturation. (-24 to +24)

Hue:

Adjusts the tone of color (which color is emphasized, red or green). (-24 to +24)

Dimmer:





Adjusts the brightness of the display. (+1 to +48)

Temperature:

Adjusts the color temperature, resulting in a better white balance. (–3 to +3)

With some pictures, you cannot adjust Hue and Color.

- When you touch [Rear View] or [2nd Camera], the mode changes to the selected camera mode. By touching [Source], [Navi] or [Apps], you can return to the selected mode.

5. Touch , , ,  to adjust.

- The adjustments of “Brightness”, “Contrast” and “Dimmer” are stored separately when your vehicle’s headlights are off (daytime) and on (nighttime).
- “Brightness” and “Contrast” are switched automatically depending on whether the vehicle’s headlights are on or off.
- “Dimmer” can be changed the setting or the time to switch it to on or off. Refer to Setting the dimmer on page 42
- The picture adjustment may not be available with some rear view cameras.
- The setting contents can be memorized separately

Displaying the firmware version

1. Display the “System” setting screen. Refer to Displaying the “System” setting screen on page 41
2. Touch [System Information].
3. Touch [Firmware Information].

The “Firmware Information” screen appears.

Audio adjustments

Switching the rear speaker output

This function is available when “Standard Mode” is selected as the speaker mode.

The default setting is “Rear”.

1. Turn the source off. Refer to Selecting a source on page 11
2. Display the “Audio” setting screen. Refer to Displaying the “Audio” setting screen on page 44
3. Touch [Rear Speaker Output].
4. Touch to switch “Rear” or “Subwoofer”.

Using BASS Boost

1. Display the “Audio” setting screen. Refer to Displaying the “Audio” setting screen on page 44
2. Touch [BASS Boost].
3. Touch to select the bass boost level from 0 to +6.

Selecting the listening position

You can select a listening position that you want to make as the center of sound effects.

The default setting is “Off”.

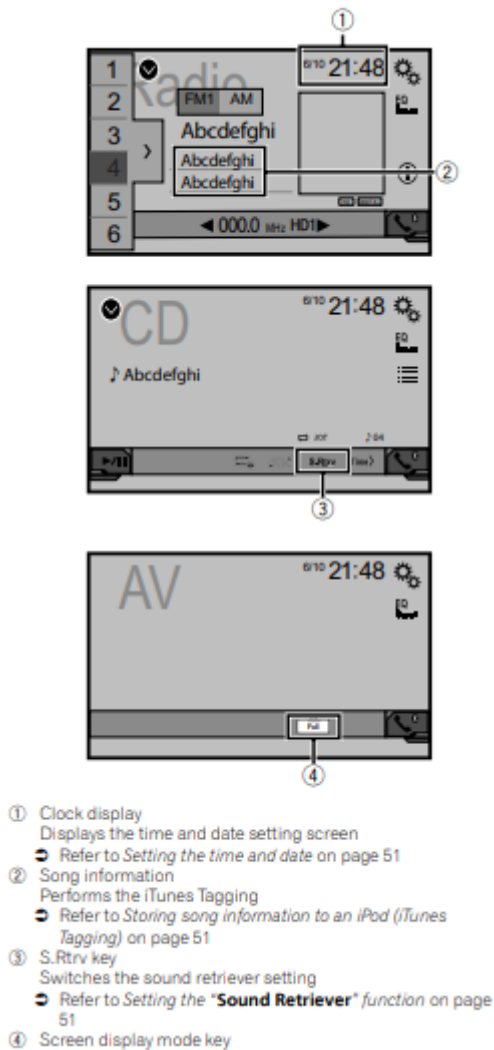
1. Display the “Audio” setting screen. Refer to Displaying the “Audio” setting screen on page 44
2. Touch [Listening Position].
3. Touch the desired position to change the listening position.

The following items are available:

Off, Front-L, Front-R, Front, All.

- “All” is not available when “Network Mode” is selected as the speaker mode.



Common operations



Changes the wide screen mode

Refer to *Changing the wide screen mode* on page 51

Setting the time and date

1. Touch the current time on the screen.
2. Touch  or  to set the correct time and date.

You can operate the following items: Year, month, date, hour, minute.

- You can change the time display format to "12hour" (default) or "24hour".
- You can change the order of date display format: Day-monthyear, Month-day-year, Year-month-date.

Storing song information to an iPod (iTunes Tagging)

You can store song information to the iPod when this product receives song information. The songs will appear in a playlist called "Tagged playlist" in iTunes the next time you synchronize your iPod. You can directly buy the songs via this product.

- The iTunes Tagging function is available while digital broadcasts are being received.
- This function is available for the following iPod models: iPhone 3G, 3GS, 4, 4s, 5, 5c, 5s, 6, 6 Plus iPod touch 1st, 2nd, 3rd, 4th, 5th generation iPod classic 1st, 2nd generation iPod nano 3rd, 4th, 5th, 6th generation
- The version of iTunes must be 7.4 or higher.

1. Tune into the broadcast station.

- Radio (AVH-X4800BS)(AVH-X2800BS)(AVH-X1800S)

Refer to Radio on page 19

- HD Radio (AVH-X5800BHS)(AVH-X3800BHS)

Refer to HD Radio™ on page 20

- SiriusXM

Refer to SiriusXM® Satellite Radio on page 35

2. Touch the song information.

- Radio (AVH-X4800BS)(AVH-X2800BS)(AVH-X1800S)



The song title or artist name

- HD Radio (AVH-X5800BHS)(AVH-X3800BHS)

The song title or artist name

- SiriusXM

The artist name, song title, category name or content text

The information on the song on air is stored in this product. When the information is acquired,  turns off and  is displayed.

- The song information for up to 50 songs can be stored in this product.

3. Connect your iPod.

The song information is transferred to your iPod.

- When your iPod is already connected, the song information will be transferred directly to your iPod every time you touch the song information.
- When the song information transfer is completed, the information stored in this product will be automatically deleted.

- If you turn off this product or disconnect the iPod while transferring song information, the transfer may not successfully complete.
- While this product is storing song information, transfer to an iPod is not possible.

Setting the “Sound Retriever” function

The “Sound Retriever” function automatically enhances compressed audio and restores rich sound.

1. Touch **S.Rtrv** to switch the settings.
 - **S.Rtrv** (Mode1) (default), **S.Rtrv** (Mode2): Activates the “Sound Retriever” function.
 - **S.Rtrv** (Off): Deactivates the “Sound Retriever” function.

Mode2 has a stronger effect than Mode1.

Changing the wide screen mode

You can set the screen size for the video and JPEG images.

- The default setting is “Full”, and for JPEG images is “Normal”.
- JPEG can be set to either “Normal” or “Trimming” in wide screen mode.

1. Touch the screen display mode key.

The appearance of this key changes according to the current setting.

2. Touch the desired mode.

Full:

A 4:3 picture is enlarged in the horizontal direction only, enabling you to enjoy an image without any omissions.

Zoom:

A 4:3 picture is enlarged in the same proportion both vertically and horizontally.

Normal:

A 4:3 picture is displayed normally, without changing its proportion.

Trimming

An image is displayed across the entire screen with the horizontal-to-vertical ratio left as is. If the screen ratio differs from the image, the image may be displayed partly cut off either at the top/bottom or sides.

This setting is for JPEG images only.

You cannot operate this function while driving.

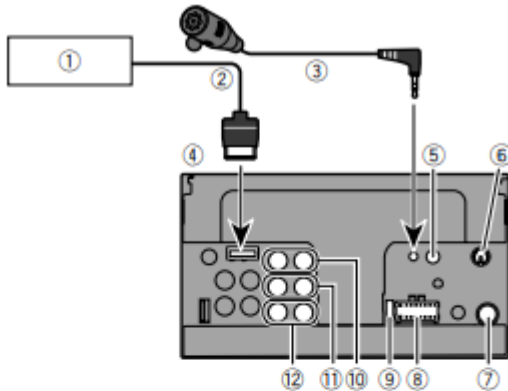
Different settings can be stored for each video source.

When a video is viewed in a wide screen mode that does not match its original aspect ratio, it may appear different.

The video image will appear coarser when viewed in “Zoom” mode.

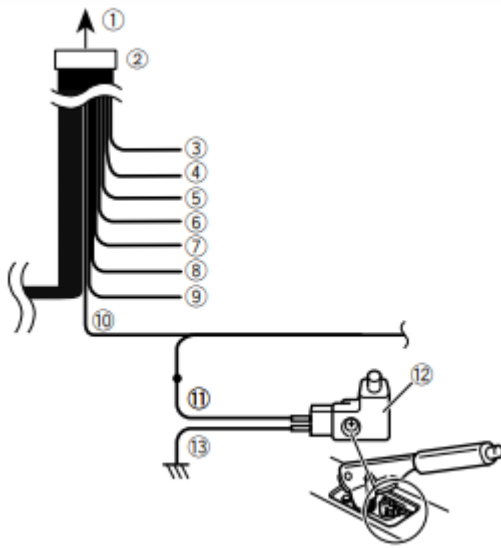
Connection

This product



- ① Pioneer navigation system
Please contact your dealer to inquire about the connectable navigation unit.
- ② RGB cable(supplied with Navigation system)
- ③ Microphone 4 m (13 ft. 1 in.)
(AVH-X5800BHS) (AVH-X4800BS) (AVH-X3800BHS)
(AVH-X2800BS)
- ④ This product
- ⑤ Wired remote input
Hard-wired remote control adapter can be connected (sold separately).
- ⑥ SiriusXM Connect Vehicle Tuner
Please refer to the instruction manual for SiriusXM Connect Vehicle Tuner (sold separately).
- ⑦ Antenna jack
- ⑧ Power supply
- ⑨ Fuse (10 A)
- ⑩ Front output (STD)/High range output (NW)
- ⑪ Rear output (STD)/Middle range output (NW)
- ⑫ SubWoofers output (STD)/Low range output (NW)

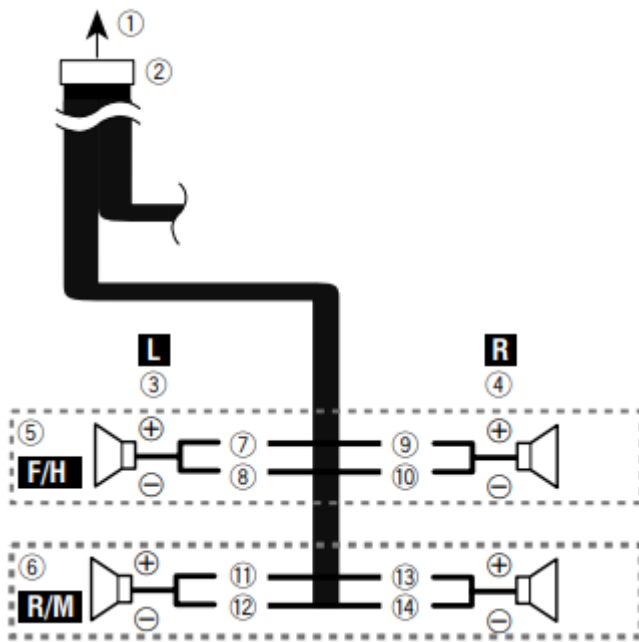
Power cord



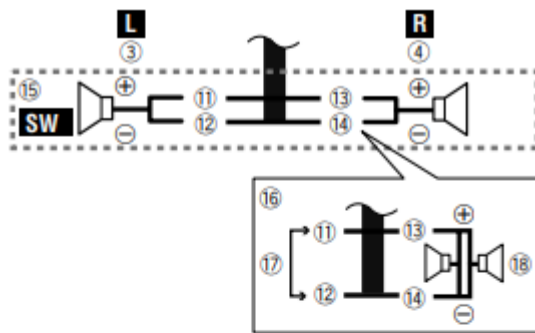
- ① To power supply
- ② Power cord
- ③ Yellow
To terminal supplied with power regardless of ignition switch position.
- ④ Red
To electric terminal controlled by ignition switch (12 V DC) ON/OFF.
- ⑤ Orange/white
To lighting switch terminal.
- ⑥ Black (ground)
To vehicle (metal) body.
- ⑦ Violet/white
Of the two lead wires connected to the back lamp, connect the one in which the voltage changes when the gear shift is in the REVERSE (R) position. This connection enables the unit to sense whether the car is moving forwards or backwards.
- ⑧ Yellow/black
If you use an equipment with Mute function, wire this lead to the Audio Mute lead on that equipment. If not, keep the Audio Mute lead free of any connections.

- ⑨ Blue/white
Connect to system control terminal of the power amp (max. 300 mA 12 V DC).
- ⑩ Light green
Used to detect the ON/OFF status of the parking brake. This lead must be connected to the power supply side of the parking brake switch.
- ⑪ Power supply side
- ⑫ Parking brake switch
- ⑬ Ground side

Speaker leads



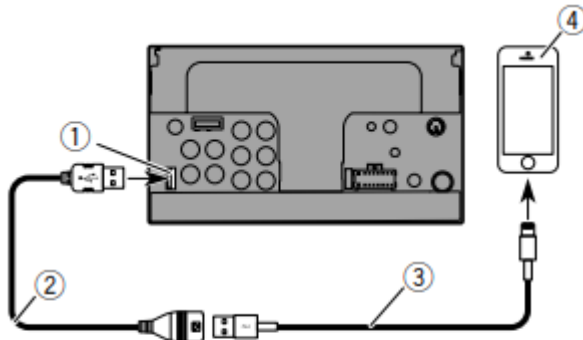
Perform these connections when using a subwoofer without the optional amplifier.



- ① To power supply
- ② Power cord
- ③ Left
- ④ Right
- ⑤ Front speaker (STD) or high range speaker (NW)
- ⑥ Rear speaker (STD) or middle range speaker (NW)
- ⑦ White
- ⑧ White/black
- ⑨ Gray
- ⑩ Gray/black
- ⑪ Green
- ⑫ Green/black
- ⑬ Violet
- ⑭ Violet/black
- ⑮ Subwoofer (4 Ω)
- ⑯ 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.
- ⑰ Not used.
- ⑱ Subwoofer (4 Ω) × 2
- ☐ When a subwoofer is connected to this product instead of a rear speaker, change the rear output setting in the initial setting. The subwoofer output of this product is monaural.
- ➡ Refer to *Switching the rear speaker output* on page 45
- ☐ With a two-speaker system, do not connect anything to the speaker leads that are not connected to speakers.

iPhone with Lightning connector

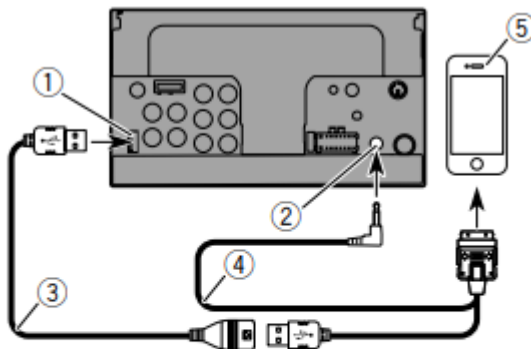
Connecting via the USB port



- ① USB port
- ② USB cable 1.5 m (4 ft. 11 in.)
- ③ USB interface cable for iPod / iPhone (CD-IU52) (sold separately)
- ④ iPhone with Lightning connector

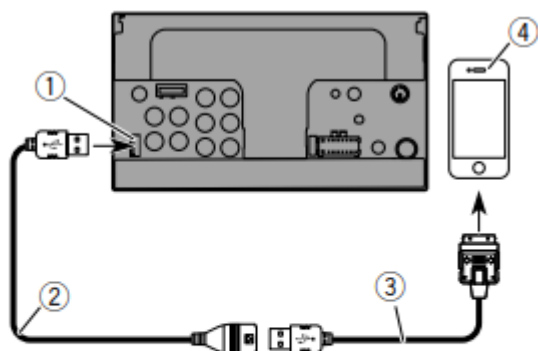
iPhone with 30-pin connector

Connecting via the AUX input



- ① USB port
- ② AUX input
- ③ USB cable 1.5 m (4 ft. 11 in.)
- ④ USB interface cable for iPod / iPhone (CD-IU201V) (sold separately)
- ⑤ iPhone with 30-pin connector

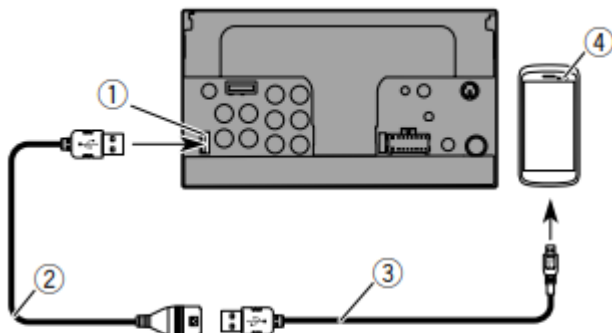
Connecting via the USB port



- ① USB port
- ② USB cable 1.5 m (4 ft. 11 in.)
- ③ USB interface cable for iPod / iPhone (CD-IU51) (sold separately)
- ④ iPhone with 30-pin connector

Android device

Connecting via the USB port



- ① USB port
- ② USB cable (supplied with CD-MU200 (sold separately))
- ③ USB - micro USB cable (Type USB A - micro USB B) (supplied with CD-MU200 (sold separately))
- ④ Android device

Camera

About rear view camera

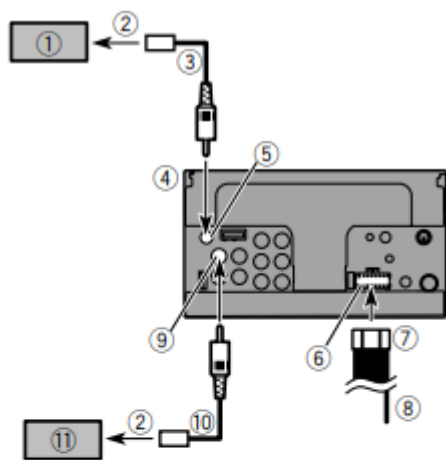
When you use the rear view camera, the rear view image is automatically switched from the video by moving the shift lever to REVERSE (R). Camera View mode also allows you to check what is behind you while driving.

WARNING USE INPUT ONLY FOR REVERSE OR MIRROR IMAGE REAR VIEW CAMERA. OTHER USE MAY RESULT IN INJURY OR DAMAGE.

CAUTION

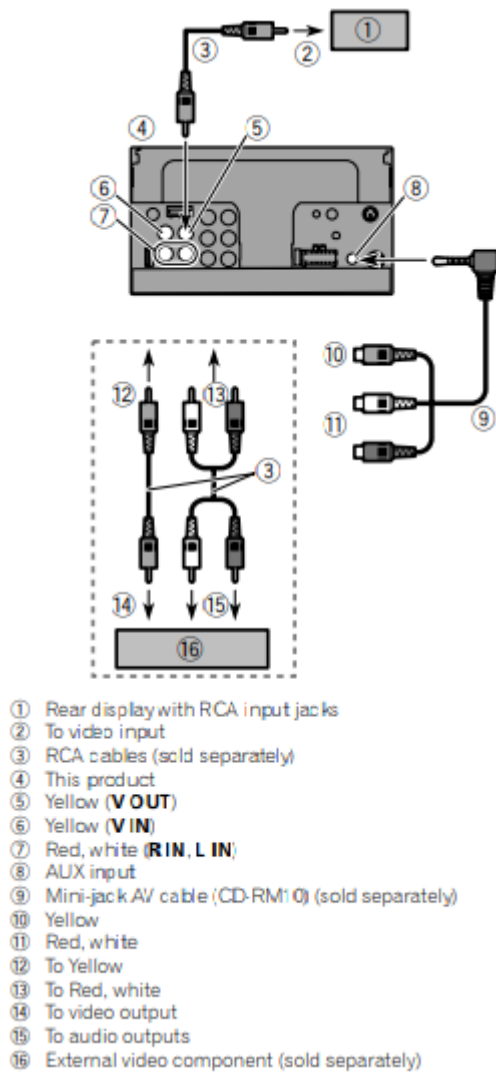
- The screen image may appear reversed.
- With the rear view camera you can keep an eye on trailers, or back into a tight parking spot. Do not use for entertainment purposes.

- Objects in rear view may appear closer or more distant than in reality.
- The image area of full-screen images displayed while backing or checking the rear of the vehicle may differ slightly



- ① Rear view camera (ND-BC8) (sold separately)
- ② To video output
- ③ RCA cable (supplied with ND-BC8)
- ④ This product
- ⑤ Brown (**R.C IN**)
- ⑥ Power supply
- ⑦ Power cord
- ⑧ Violet/white (**REVERSE-GEAR SIGNAL INPUT**)
- Refer to *Power cord* on page 54
- ⑨ Yellow (**F.C IN**)
- (AVH-X5800BHS) (AVH-X3800BHS)
- ⑩ RCA cable (sold separately)
- ⑪ View camera (sold separately)
- ❑ Connect only the rear view camera to **R.C IN**. Do not connect any other equipment.
- ❑ Some appropriate settings are required to use other view cameras.
- Refer to *Setting the rear view camera* on page 41

External video component and the display



The appropriate setting is required to use the external video component.

Refer to AV input on page 39

WARNING

NEVER install the rear display in a location that enables the driver to watch the video source while driving.

This product's rear video output is for connection of a display to enable passengers in the rear seats to watch the video source.

Appendix

Troubleshooting

If you have problems operating this product, refer to this section. The most common problems are listed below, along with likely causes and solutions. If a solution to your problem cannot be found here, contact your dealer or the nearest authorized Pioneer service facility.

Common problems

A black screen is displayed, and operation is not possible using the touch panel keys.

Power OFF" mode is on.

- Press any button on this product to release the mode.

Problems with the AV screen

CD or DVD playback is not possible.

The disc is inserted upside down.

- Insert the disc with the label upward.

The disc is dirty.

- Clean the disc.

The disc is cracked or otherwise damaged.

- Insert a normal, round disc.

The files on the disc are in an irregular file format.

- Check the file format.

The disc format cannot be played back.

- Replace the disc.

The loaded disc is a type this product cannot play.

- Check what type of disc it is.

The screen is covered by a caution message and the video cannot be shown.

The parking brake lead is not connected or applied.

- Connect the parking brake lead correctly, and apply the parking brake.

The parking brake interlock is activated.

- Park your vehicle in a safe place and apply the parking brake.

No video output from the connected equipment.

The “AV Input” or “AUX Input” setting is incorrect.

- Correct the settings.

The audio or video skips.

This product is not firmly secured.

- Secure this product firmly

No sounds are produced. The volume level will not rise.

Cables are not connected correctly.

- Connect the cables correctly.

The system is performing still, slow motion, or frame-byframe playback with DVD-Video.

- There is no sound during still, slow motion, or frame-byframe playback with DVD-Video.

The system is paused or performing, fast reverse or forward during the disc playback.

- For the media other than music CD (CD-DA), there is no sound on fast reverse or forward.

The icon  is displayed, and operation is impossible.

The operation is not compatible with the video configuration.

- This operation is not possible. (For example, the DVD playing does not feature that angle, audio system, subtitle language, etc.)

Random playback in Music Browse mode is released in the USB storage device.

Random playback in Music Browse mode is canceled after the ignition switch is turned off (ACC off).

- Switch to Music Browse mode again and turn on random playback.

The picture stops (pauses) and this product cannot be operated.

The reading of data is impossible during disc playback.

- Stop playback once, then restart.

The picture is stretched, with an incorrect aspect ratio.

The aspect setting is incorrect for the display.

- Select the appropriate setting for that image.

A parental lock message is displayed and DVD playback is not possible.

The parental lock is on.

- Turn the parental lock off or change the level.

The parental lock for DVD playback cannot be canceled.

The code number is incorrect.

- Input the correct code number.

Playback is not with the audio language and subtitle language settings selected in “DVD/DivX Setup”.

The DVD playing does not feature dialog or subtitles in the language selected in “DVD/DivX Setup”.

- Switching to a selected language is not possible if the language selected in “DVD/DivX Setup” is not recorded on the disc.

The picture is extremely unclear/distorted and dark during playback.

The disc features a signal to prohibit copying. (Some discs may have this.)

- Since this product is compatible with the copy guard analog copy protect system, the picture may suffer from horizontal stripes or other imperfections when a disc with that kind of protection signal is viewed on some displays. This is not a malfunction.

iPod cannot be operated.

The iPod is frozen.

- Reconnect the iPod with the USB interface cable for iPod / iPhone.
- Update the iPod software version.

An error has occurred.

- Reconnect the iPod with the USB interface cable for iPod / iPhone.
- Park your vehicle in a safe place, and turn off the engine. Turn the ignition key back to off (ACC OFF). Then restart the engine, and turn the power to this product back on.
- Update the iPod software version.

Cables are not connected correctly.

- Connect the cables correctly.

Sound from the iPod cannot be heard.

The audio output direction may switch automatically when the Bluetooth and USB connections are used at the same time.

- Use the iPod to change the audio output direction.

Problems with the phone screen

Dialing is impossible because the touch panel keys for dialing are inactive.

Your phone is out of range for service.

- Retry after re-entering the range for service.

The connection between the cellular phone and this product cannot be established now.

- Perform the connection process.

Of the two cellular phones connected to this product at the same time, if the first phone is dialing, ringing or a call is in progress, dialing cannot be performed on the second phone.

- When the operation on the first of the two cellular phones is completed, use the switch devices key to switch to the second phone and then dial.

Problems with the Application screen

A black screen is displayed.

While operating an application, the application was ended on the smartphone side.

- Press to display the Top menu screen.

The smartphone OS may be awaiting screen operation.

- Stop the vehicle in a safe place and check the screen on the smartphone.

The screen is displayed, but operation does not work at all.

An error has occurred.

- Park your vehicle in a safe place, and then turn off the ignition switch (ACC OFF). Subsequently, turn the ignition switch to on (ACC ON) again.
- When an Android device is connected, disconnect the Bluetooth connection from this product and then reconnect it.

The smartphone was not charged.

Charging stopped because the temperature of the smartphone rose due to prolonged use of the smartphone during charging.

- Disconnect the smartphone from the cable, and wait until the smartphone cools down.

More battery power was consumed than was gained from charging.

- This problem may be resolved by stopping any unnecessary services on the smartphone.

Sound from AppRadioOne of the Android device cannot be heard from the speakers of this unit.

Depending on the Android device, the sound from AppRadioOne may not be output from the speakers of this unit.

- Switch to “ Smartphone” in the “AppRadioOne Sound” settings.(Refer to 41)

Error messages

When problems occur with this product, an error message appears on the display. Refer to the table below to identify the problem, then take the suggested corrective action. If the error persists, record the error message and contact your dealer or your nearest Pioneer service center.

Common

AMP Error

This product fails to operate or the speaker connection is incorrect; the protective circuit is activated.

- Check the speaker connection. If the message fails to disappear even after the engine is switched off/on, contact your dealer or an authorized Pioneer Service Station for assistance.

Pandora

Error-19

Communication failed.

- Disconnect the cable from the iPod. Once the iPod's main menu is displayed, reconnect the iPod and reset it.

Skip limit reached.

- Do not exceed the skip limit.
- Pandora limits the total number of skips per hour.

Check Device

You are not logged in to the Pandora application.

- Please log in to the Pandora application.

Incompatible USB

The connected USB storage device is not supported by this product.

- Disconnect your device and replace it with a compatible USB storage device.

Check USB

The USB connector or USB cable has short-circuited.

- Check that the USB connector or USB cable is not caught in something or damaged.

The connected USB storage device consumes more than maximum allowable current.

- Disconnect the USB storage device and do not use it. Turn the ignition switch to OFF, then to ACC or ON and then connect a compliant USB storage device.

Cannot play music due to licensing restrictions.

The Pandora application is accessed/relocated from outside the licensing region.

- Access Pandora from within the licensing region.

Spotify

Skip limit reached.

Skip limit reached.

- Do not exceed the skip limit.
- Spotify limits the total number of skips per hour.

Check USB

The USB connector or USB cable has short-circuited.

- Check that the USB connector or USB cable is not caught in something or damaged.

The connected USB storage device consumes more than maximum allowable current.

- Disconnect the USB storage device and do not use it. Turn the ignition switch to OFF, then to ACC or ON and then connect a compliant USB storage device.

SiriusXM Satellite Radio

Check Antenna

The antenna connection is incorrect.

- Check the antenna connection. If the message fails to disappear even after the engine is switched off/on, contact your dealer or the nearest authorized Pioneer service center for assistance.

Check Tuner

The SiriusXM Connect Vehicle Tuner connection is incorrect.

- Check the tuner connection and battery voltage. If the message fails to disappear even after the engine is switched off/on, contact your dealer or the nearest authorized Pioneer service center for assistance.

No Signal

The SiriusXM Connect Vehicle Tuner is having difficulty receiving the SiriusXM satellite signal.

- Verify that your vehicle is outdoors with a clear view of the southern sky.
- Verify that the SiriusXM magnetic mount antenna is mounted on a metal surface on the outside of the vehicle.
- Move the SiriusXM antenna away from any obstructions.

No Content

TuneScan is not available.

- Perform the operation with another preset channel.

Channel Not Available

The channel that you have requested is not a valid SiriusXM channel.

- Check the SiriusXM channel lineup.

Subscription Updated Press Enter to Continue

This product has detected a change in your SiriusXM subscription status.

- Touch [Enter] to clear the message.

Channel Not Subscribed. Call SiriusXM to Subscribe.

The channel that you have requested is not included in your SiriusXM subscription package.

- Check the content of your SiriusXM subscription package.

Channel Locked Please Enter the Lock Code

Locked by the radio Parental Control feature.

- Release the channel lock.

Artist Unavailable

The alert memo function is not available.

- Perform the operation with another channel.

Song Unavailable

The alert memo function is not available.

- Perform the operation with another channel.

Team Unavailable

The alert memo function is not available.

- Perform the operation with another channel.

Alert Memory Full You can manage alert memory in the alert list

The memory is full.

- Clear the alert list.

Memory Full

The memory has become full while playback was paused.

- Resume playback.

Memory Nearly Full

The memory has become nearly full while playback was paused.

- Resume playback.

Tune Mix advisory

There are no qualified TuneMix channels in this band.

- Requires two or more qualified music channels to be stored as presets in the current band.

Disc

Error-02-XX/FF-FF

The disc is dirty.

- Clean the disc.

The disc is scratched.

- Replace the disc.

The disc is loaded upside down.

- Check that the disc is loaded correctly.

There is an electrical or mechanical error.

- Press the RESET button.

Different Region Disc

The disc does not have the same region number as this product.

- Replace the DVD with one bearing the correct region number.

Unplayable Disc

This type of disc cannot be played on this product.

- Replace the disc with one that can be played on this product.

Unplayable File

This type of file cannot be played on this product.

- Select a file that can be played.

Skipped

The inserted disc contains DRM protected files.

- The protected files are skipped.

Protect

All the files on the inserted disc are embedded with DRM.

- Replace the disc.

TEMP

The temperature of this product is outside the normal operating range.

- Wait until this product returns to a temperature within the normal operating limits.

This DivX rental has expired.

The inserted disc contains expired DivX VOD content.

- Select a file that can be played.

Unable to write to flash memory.

The playback history for VOD contents cannot be saved for some reason.

- Retry.
- If the message appears frequently, consult your dealer.

Your device is not authorized to play this DivX protected video.

This product's DivX registration code has not been authorized by the DivX VOD contents provider.

- Register this product to the DivX VOD contents provider.

Video frame rate not supported

DivX file's frame rate is more than 30 fps .

- Select a file that can be played.

Audio Format not supported

This type of file is not supported on this product.

- Select a file that can be played.

USB storage device

Error-02-9X/-DX

Communication failed.

- Turn the ignition switch OFF and back ON.
- Disconnect the USB storage device.
- Change to a different source. Then, return to the USB storage device.

Unplayable File

This type of file cannot be played on this product.

- Select a file that can be played.

Security for the connected USB storage device is enabled.

- Follow the USB storage device instructions to disable security.

Skipped

The connected USB storage device contains DRM protected files.

- The protected files are skipped.

Protect

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

- Replace the USB storage device.

Incompatible USB

The connected USB storage device is not supported by this product.

- Disconnect your device and replace it with a compatible USB storage device.

Check USB

The USB connector or USB cable is short-circuited.

- Check that the USB connector or USB cable is not caught in something or damaged.

The connected USB storage device consumes more than maximum allowable current.

- Disconnect the USB storage device and do not use it. Turn the ignition switch to OFF, then to ACC or ON and then connect a compliant USB storage device.

HUB Error

The connected USB hub is not supported by this product.

- Directly connect the USB storage device to this product.

No Response

This product cannot recognize the connected USB storage device.

- Disconnect the device and replace it with another USB storage device.

USB was disconnected for device protection. Do not reinsert this USB memory into the unit. Please restart the unit.

The USB connector or USB cable is short-circuited.

- Check that the USB connector or USB cable is not caught in something or damaged.

The connected USB storage device consumes more than maximum allowable current.

- Disconnect the USB storage device and do not use it. Turn the ignition switch to OFF, then to ACC or ON and then connect a compliant USB storage device.

The USB interface cable for iPod / iPhone is short-circuited.

- Confirm that the USB interface cable for iPod / iPhone or USB cable is not caught in something or damaged.

Audio Format not supported

This type of file is not supported on this product.

- Select a file that can be played.

iPod

Error-02-6XI-9XI-DX

iPod failure.

- Disconnect the cable from the iPod. Once the iPod's main menu is displayed, reconnect the iPod and reset it.

Error-02-67

The iPod firmware version is old.

- Update the iPod version.

iTunes tagging

Error-8D

Built-in FLASH ROM encountered an error.

- Turn the ignition switch to OFF and then to ON.

Tag store failed.

Tag information cannot be stored in this product.

- Try again.

Already stored.

This tag information is already stored in memory.

- Tag information can only be saved once for any given song. Tag information cannot be saved for the same song more than once.

Memory full. Connect iPod.

The tag information is successfully stored. The flash memory of this product has become full.

- The tag information on this product is transferred to the iPod automatically when an iPod is connected.

Memory full. Tags not stored. Connect iPod.

This product's flash memory used as the temporary storage area is full.

- The tag information on this product is transferred to the iPod automatically when an iPod is connected.

iPod full. Tags not transferred.

Memory used for tag information on the iPod is full.

- Sync the iPod with iTunes and clean up the tagged playlist.

Tag transfer failed. Reconnect your iPod.

This product's tag information cannot transfer to the iPod.

- Check the iPod and try again.

Bluetooth

Error-10

The power failed for the Bluetooth module of this product.

- Turn the ignition switch to OFF and then to ON. If the error message is still displayed after performing the above action, please contact your dealer or an authorized Pioneer Service Station.

Handling and care of discs

Some basic precautions are necessary when handling your discs.

Built-in drive and care

- Use only conventional, fully circular discs. Do not use shaped discs.
- Do not use cracked, chipped, warped, or otherwise damaged discs as they may damage the built-in drive.
- Use 12-cm discs. Do not use 8-cm discs or an adapter for 8-cm discs.
- 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 labels, write on or apply chemicals to the surface of the discs.
- Do not attach commercially available labels or other materials to the discs.
- To clean a disc, wipe it with a soft cloth, moving outward from the center.
- Condensation may temporarily impair the built-in drive's performance.
- Playback of discs may not be possible because of disc characteristics, disc format, recorded application, playback environment, storage conditions and so on.
- Road shocks may interrupt disc playback.

- Read the precautions for discs before using them.


Ambient conditions for playing a disc

- At extremely high temperatures, a temperature cutout protects this product by switching it off automatically.
- Despite our careful design of the product, small scratches that do not affect actual operation may appear on the disc surface as a result of mechanical wear, ambient conditions for use or handling of the disc. This is not a sign of the malfunction of this product. Consider it to be normal wear and tear

Playable discs

DVD-Video



-  is a trademark of DVD Format/Logo Licensing Corporation.
- It is not possible to play DVD-Audio discs. This DVD drive may not be able to play all discs bearing the marks shown above.

CD



AVCHD recorded discs

This unit is not compatible with discs recorded in AVCHD (Advanced Video Codec High Definition) format. Do not insert AVCHD discs. If inserted, the disc may not be ejected.

Playing DualDisc

- DualDiscs are two-sided discs that have a recordable CD for audio on one side and a recordable DVD for video on the other.
- Playback of the DVD side is possible with this product. However, since the CD side of DualDiscs is not physically compatible with the general CD standard, it may not be possible to play the CD side with this product.
- Frequent loading and ejecting of a DualDisc may result in scratches to the disc.
- Serious scratches can lead to playback problems on this product. In some cases, a DualDisc may become stuck in the disc-loading slot and will not eject. To prevent this, we recommend you refrain from using DualDisc with this product.

- Please refer to the manufacturer for more detailed information about DualDiscs.

Dolby Digital

This product will down-mix Dolby Digital signals internally and the sound will be output in stereo.

- Manufactured under license from Dolby Laboratories. Dolby and the double-D symbol are trademarks of Dolby Laboratories.



Detailed information for playable media

Compatibility

Common notes about disc compatibility

- Certain functions of this product may not be available for some discs.
- Compatibility with all discs is not guaranteed.
- It is not possible to playback DVD-ROM/DVD-RAM discs.
- Playback of discs may become impossible with direct exposure to sunlight, high temperatures, or depending on the storage conditions in the vehicle.

DVD-Video discs

- DVD-Video discs that have incompatible region numbers cannot be played on this DVD drive. The region number of the player can be found on this product's chassis.

DVD-R/DVD-RW/DVD-R SL (Single Layer)/DVD-R DL (Dual Layer) discs

- Unfinalized discs which have been recorded with the Video format (video mode) cannot be played back.
- Discs which have been recorded with the Video Recording format (VR mode) cannot be played back.
- DVD-R DL (Dual Layer) discs which have been recorded with Layer Jump recording cannot be played back.
- For detailed information about recording mode, please contact the manufacturer of media, recorders, or writing software.

CD-R/CD-RW discs

- Unfinalized discs cannot be played back.
- It may not be possible to playback CD-R/CD-RW discs recorded on a music CD recorder or a computer because of disc characteristics, scratches or dirt on the disc, or dirt, scratches or condensation on the lens of the built-in drive.

- Playback of discs recorded on a computer may not be possible, depending on the recording device, writing software, their settings, and other environmental factors.
- Please record with the correct format. (For details, please contact manufacturer of media, recorders, or writing software.)
- Titles and other text information recorded on a CD-R/CD-RW disc may not be displayed by this product (in the case of audio data (CD-DA)).
- Read the precautions with CD-R/CD-RW discs before using them.

Common notes about the USB storage device

- Do not leave the USB storage device in any location with high temperatures.
- Depending on the kind of the USB storage device you use, this product may not recognize the storage device or files may not be played back properly.
- The text information of some audio and video files may not be correctly displayed.
- File extensions must be used properly.
- There may be a slight delay when starting playback of files on an USB storage device with complex folder hierarchies.
- Operations may vary depending on the kind of an USB storage device.
- It may not be possible to play some music files from USB because of file characteristics, file format, recorded application, playback environment, storage conditions, and so on.

USB storage device compatibility

- For details about USB storage device compatibility with this product, refer to Specifications on page 68.
- Protocol: bulk
- You cannot connect a USB storage device to this product via a USB hub.
- Partitioned USB storage device is not compatible with this product.
- Firmly secure the USB storage device when driving. Do not let the USB storage device fall onto the floor, where it may become jammed under the brake or gas pedal.
- There may be a slight delay when starting playback of audio files encoded with image data.
- Some USB storage devices connected to this product may generate noise on the radio.
- Do not connect anything other than the USB storage device. The sequence of audio files on USB storage device

For USB storage device, the sequence is different from that of
USB storage device.

Handling guidelines and supplemental information

- This product is not compatible with the Multi Media Card (MMC).
- Copyright protected files cannot be played back.

Common notes about DivX files

Notes specific to DivX files

- Only DivX files downloaded from DivX partner sites are guaranteed for proper operation. Unauthorized DivX files may not operate properly.
- DRM rental files cannot be operated until playing back is started.
- This product corresponds to a DivX file display of up to 1 590 minutes 43 seconds. Search operations beyond this time limit are prohibited.
- DivX VOD file playback requires supplying the ID code of this product to the DivX VOD provider. Regarding the ID code, refer to Displaying your DivX VOD registration code on page 49.
- For details on the DivX video versions that can be played on this product, refer to Specifications on page 68.

DivX subtitle files

- Srt format subtitle files with the extension “.srt” can be used.
- Only one subtitle file can be used for each DivX file. Multiple subtitle files cannot be associated.
- Subtitle files that are named with the same character string as the DivX file before the extension are associated with the DivX file. The character strings before the extension must be exactly the same. However, if there is only one DivX file and one subtitle file in a single folder, the files are associated even if the file names are not the same.
- The subtitle file must be stored in the same folder as the DivX file.
- Up to 255 subtitle files may be used. Any more subtitle files will not be recognized.
- Up to 64 characters can be used for the name of the subtitle file, including the extension. If more than 64 characters are used for the file name, the subtitle file may not be recognized.
- The character code for the subtitle file should comply with ISO-8859-1. Using characters other than ISO-8859-1 may cause the characters to be displayed incorrectly.
- The subtitles may not be displayed correctly if the displayed characters in the subtitle file include control code.
- For materials that use a high transfer rate, the subtitles and video may not be completely synchronized.

- If multiple subtitles are programmed to display within a very short time frame, such as 0.1 seconds, the subtitles may not be displayed at the correct time.

Warning

This content is compiled from multiple sources and is provided for reference purposes only. It may not be complete or fully applicable to all situations. If you are unable to resolve your issue, please contact the product manufacturer or an authorized service provider for official support.

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