

Basic Operations

Playing audio from an externally connected device	64
BLUETOOTH® Playback	65
Listening To the Radio	69
Listening Mode	75
AV Adjust	77

Network Services

Spotify	79
AirPlay®	80
DTS Play-Fi®	82
Amazon Alexa	83
Amazon Music	85
TIDAL	87
Connecting the Sonos System for Playback	88
Internet Radio	90

Convenience functions

Multi-zone	92
Using PERSONAL PRESET	95
USB Storage Device	97
Music Server	100
Play Queue	103
Connecting a transmitter for playback	105

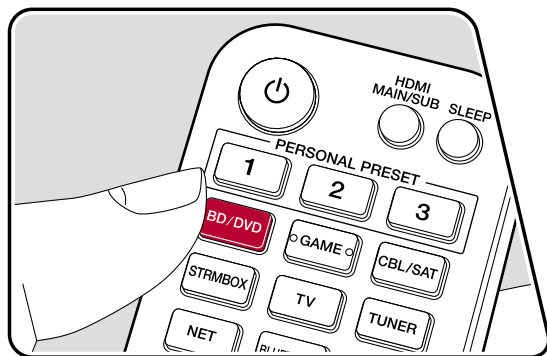
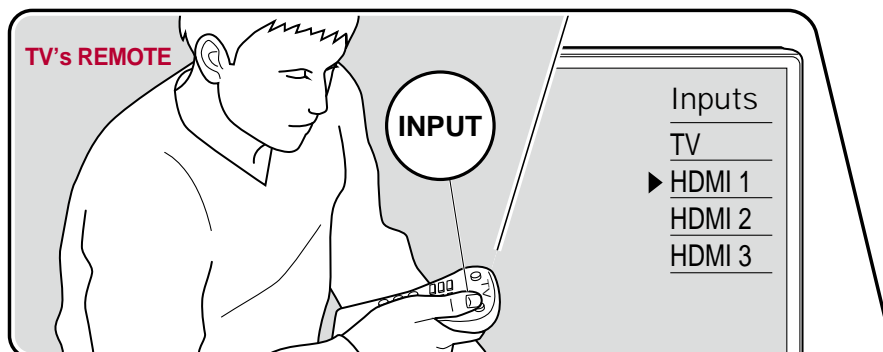


Playing audio from an externally connected device

You can play the audio from AV components, such as Blu-ray disc players through this unit.

- When a TV is connected to the HDMI OUT SUB jack, use the HDMI MAIN/SUB button or "AV Adjust" (→p77) to switch between MAIN and SUB.

Basic Operations



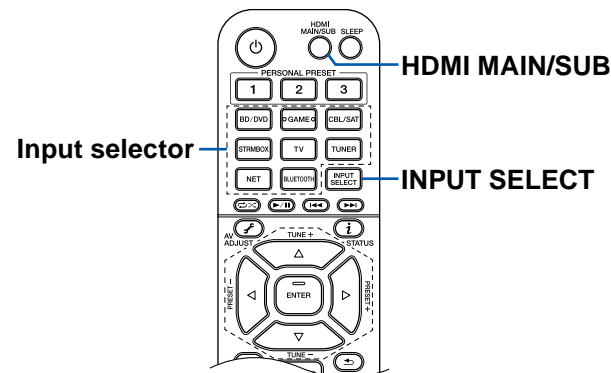
Perform the following procedure when this unit is on.

1. Switch the input on the TV to the input connected to the unit.
2. Press the input selector whose name is the same as that of the jack to which the player is connected.

For example, press BD/DVD to play the player connected to the BD/DVD jack. Press TV to listen to the sound of the TV. To play a device connected to the CD, USB, PHONO, HDMI5, HDMI6 jack or the AUX INPUT jack on the front panel, press INPUT SELECT repeatedly to select the input.

- When the CEC link function works, the input switches automatically when a CEC compliant TV or player is connected to this unit using HDMI connection.

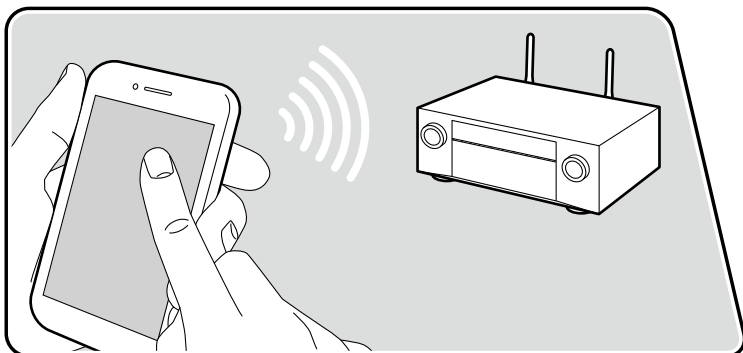
3. Start play on the AV component.



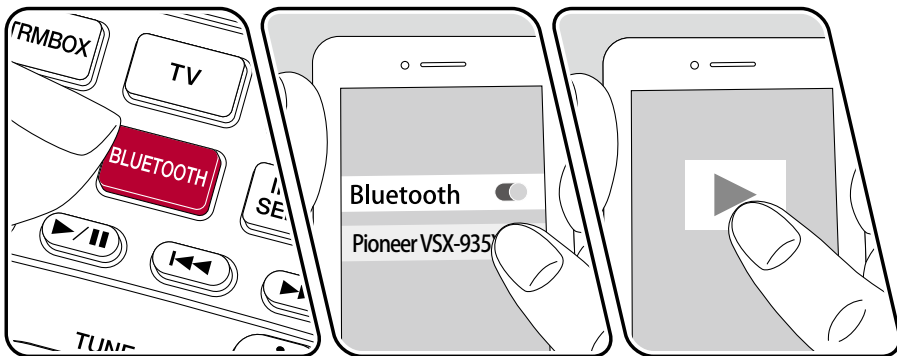
BLUETOOTH® Playback

You can wirelessly play music on a smartphone or other BLUETOOTH wireless technology enabled device through the speakers connected to this unit. It is also possible to transmit the audio from this unit to BLUETOOTH enabled headphones, wireless speakers, etc.

Playing audio from BLUETOOTH wireless technology enabled devices with this unit



The illustration shows an image.



Perform the following procedure when this unit is on.

Pairing

1. When you press the BLUETOOTH button, "Now Pairing..." is displayed on this unit's display, and the pairing mode is enabled.

Now Pairing...

2. Enable (turn on) the BLUETOOTH function of the BLUETOOTH enabled device, and then select this unit from among the devices displayed. If a password is requested, enter "0000".
 - This unit is displayed as "Pioneer VSX-935 XXXXXX". This display can be changed with the Friendly Name function (→[p136](#)) or the Pioneer Remote App (→[p145](#)) (can be used with the iOS or Android™).
 - To connect another BLUETOOTH enabled device, press and hold the BLUETOOTH button until "Now Pairing..." is displayed, and then perform step 2. This unit can store the pairing information of up to 8 paired devices.
 - The coverage area is approx. 48/15 m. Note that connection is not always guaranteed with all BLUETOOTH enabled devices.
 - If pairing fails, then in the "Network/Bluetooth", set "Bluetooth" - "Bluetooth Transmitter" (→[p139](#)) to "Off" and "Bluetooth Receiver" (→[p138](#)) to "On".

Playing Back

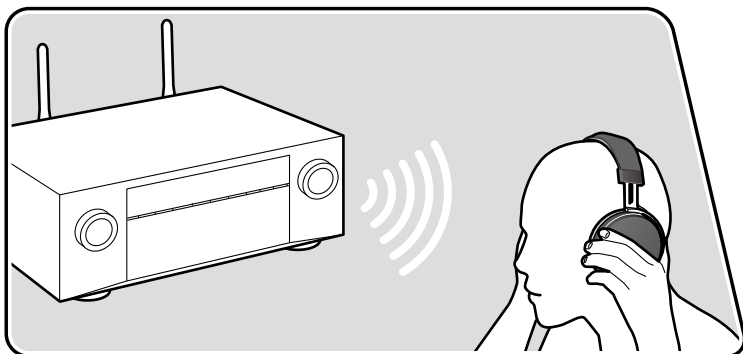
1. Perform the connection procedure on the BLUETOOTH enabled device.
2. Playing the music file.
The input on this unit automatically switches to "BLUETOOTH".
Turn up the volume of the BLUETOOTH enabled device to an appropriate level.



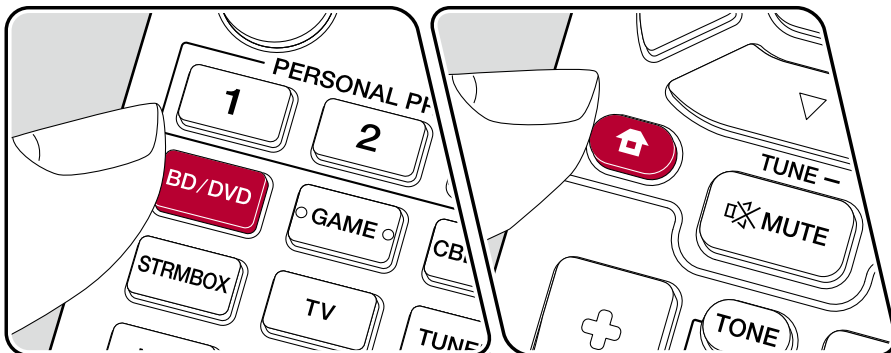
- Due to the characteristics of BLUETOOTH wireless technology, the sound produced on this unit may slightly be behind the sound played on the BLUETOOTH enabled device.




Transmitting audio from this unit to BLUETOOTH wireless technology enabled devices

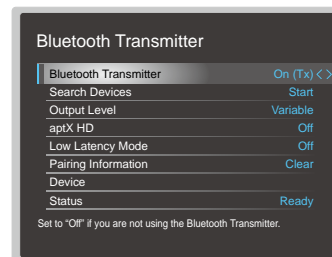


The illustration shows an image.



Pairing

1. Press the input selector you want to play.
 - Select a source other than "BLUETOOTH". This function does not work if you select "BLUETOOTH".
2. Press  on the remote controller, and in the Home menu displayed, select "Network/Bluetooth" - "Bluetooth" - "Bluetooth Transmitter", and then press ENTER.
3. Select either "On (Tx)" or "On (Main + Tx)" in "Bluetooth Transmitter".
 - If you select "On (Tx)", playback is from the BLUETOOTH wireless technology enabled device only, and if you select "On (Main + Tx)", playback is from both the BLUETOOTH wireless technology enabled device and the main unit.



4. In "Search Devices", press ENTER.
 - The search starts for BLUETOOTH wireless technology enabled devices that are able to receive, then a list of relevant devices is displayed.
5. Select the device you want to output the audio from, and when you press ENTER the message "Now Pairing..." is displayed and the two are paired.
 - Depending on the BLUETOOTH wireless technology enabled device, you may need to pair manually. If the device name does not appear in the list, check the settings of the BLUETOOTH wireless technology enabled device.



Playing Back

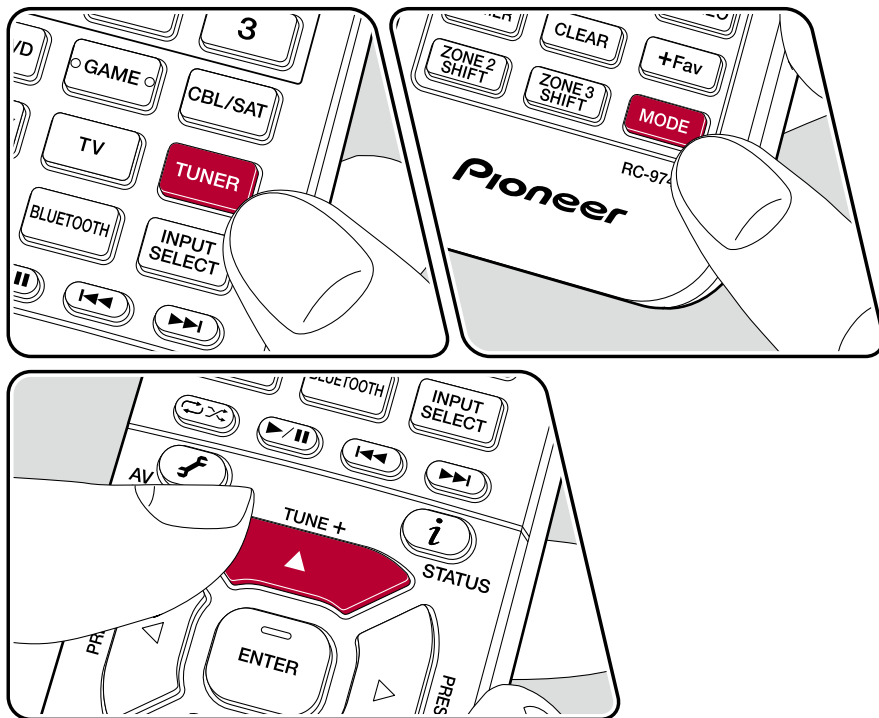
- Do the play operations on the AV component connected to this unit. Do the play operations on this unit when the input is TUNER or NET.
 - If "Variable" has been selected for the "Output Level", the volume can be adjusted on this unit. Adjust to a suitable volume on the connected BLUETOOTH wireless technology enabled device beforehand. If "Fixed" is selected, adjust the volume on the BLUETOOTH wireless technology enabled device.
 - You cannot transmit audio to multiple BLUETOOTH wireless technology enabled devices from this unit.
 - The coverage area is approx. 48'15 m. Note that connection is not always guaranteed with all BLUETOOTH enabled devices.
 - When "Bluetooth Transmitter" is "On (Tx)" or "On (Main + Tx)" and in the following cases, when this unit detects a paired BLUETOOTH wireless technology enabled device, it will automatically reconnect with that device.
 - When the power is turned on again after the unit is switched to standby
 - While other than "BLUETOOTH" is selected
 - When the "NET" input is selected and there is audio output from a network service/content (some services excluded)
 When not using this function, select "Off" in "Bluetooth Transmitter" to cancel the connection. Also disconnect on the receiving device (if disconnection is possible on the receiving device).
 - Audio cannot be output from a BLUETOOTH wireless technology enabled device in the following cases:
 - When the audio file is DSD format
 - When playing audio from one of the following network services: Chromecast built-in, Amazon Alexa, AirPlay, DTS Play-Fi
 - It is not possible to output the audio from Spotify from a BLUETOOTH wireless technology enabled device while you are logged into Amazon Alexa.
 - Sound quality adjustments and listening modes of this unit cannot be applied to the output audio.
 - This function can be used in the main room (where this unit is located). This function turns off if you turn on the Multi-zone function which outputs audio from a separate room (ZONE 2).



Listening To the Radio

You can receive AM (North American, Australian and Asian models), FM and DAB (European models) radio stations on this unit with the built-in tuner.

Listening To the AM/FM Radio



Tuning into a Radio Station

Perform the following procedure when this unit is on.

■ Tuning Automatically

1. Press TUNER repeatedly to select either "AM" or "FM".
2. Press MODE repeatedly to display "TunMode: Auto" on the display.

TunMode: Auto

3. When you press the cursors ▲ / ▼, automatic tuning starts, and searching stops when a station is found. When tuned in to a radio station, the "TUNED" indicator on the display lights up. When tuned in to an FM radio station, the "STEREO" indicator lights up.

When FM broadcasts reception is poor: Perform the procedure for "Tuning Manually" (→p70). Note that if you tune manually, the reception for FM broadcasts will be monaural rather than stereo, irrespective of the sensitivity of the reception.



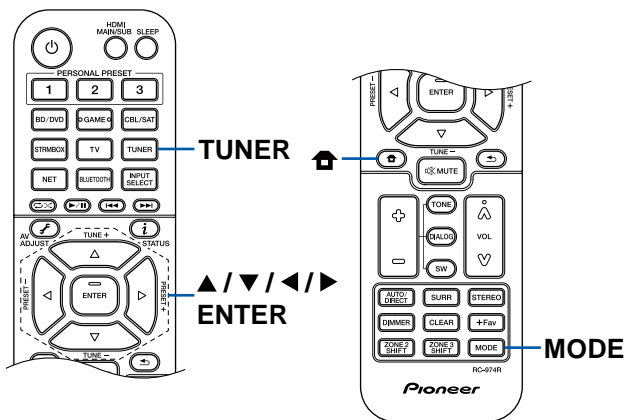
■ Tuning Manually

Note that if you tune manually, the reception for FM broadcasts will be monaural rather than stereo, irrespective of the sensitivity of the reception.


1. Press TUNER repeatedly to select either "AM" or "FM".
2. Press MODE repeatedly to display "TunMode: Manual" on the display.

TunMode: Manual


3. While pressing the cursors ▲ / ▼, select the desired radio station.
 - Each time you press the cursors ▲ / ▼, the frequency changes by 1 step. If the button is held down, the frequency changes continuously, and if the button is released, the frequency stops changing.




■ Frequency step setting (North American, Australian and Asian models)

Press  on the remote controller, and from Home displayed select "System Setup" - "Miscellaneous" - "Tuner" - "AM Frequency Step", and then select the frequency step for your area. Note that when this setting is changed, all radio presets are deleted.




Using RDS (European, Australian and Asian models)

RDS stands for Radio Data System, and is a method of transmitting data in FM radio signals. In regions where RDS can be used, when you tune in to a radio station broadcasting program information, the radio station name is displayed on the display. When you press the  button on the remote controller in this state, you can use the following functions.

■ Display Text Information (Radio Text)

1. While the name of the station is being displayed on the display, press the  button on the remote controller once. The Radio Text (RT), which is text information delivered by the station, is displayed scrolling across the display. "No Text Data" is displayed when no text information is delivered.

■ Search for Stations by Program Type

1. While the name of the station is being displayed on the display, press the  button on the remote controller twice.
 - If none of the Program Types are set for the radio station under reception, "None" is displayed.
2. Press the cursor buttons  /  on the remote controller to select the Program Type you want to search for, and then press the ENTER button to start the search.
 - The Program Types displayed are as follows: None / News (News reports) / Affairs (Current affairs) / Info (Information) / Sport / Educate (Education) / Drama / Culture / Science (Science and technology) / Varied / Pop M (Pop music) / Rock M (Rock music) / Easy M (Middle of the road music) / Light M (Light classics) / Classics (Serious classics) / Other M (Other music) / Weather / Finance / Children (Children's programmes) / Social (Social affairs) / Religion / Phone In / Travel / Leisure / Jazz (Jazz music) / Country (Country music) / Nation M (National music) / Oldies (Oldies music) / Folk M (Folk music) / Document (Documentary)
 - The information displayed may not match the content delivered by the station.



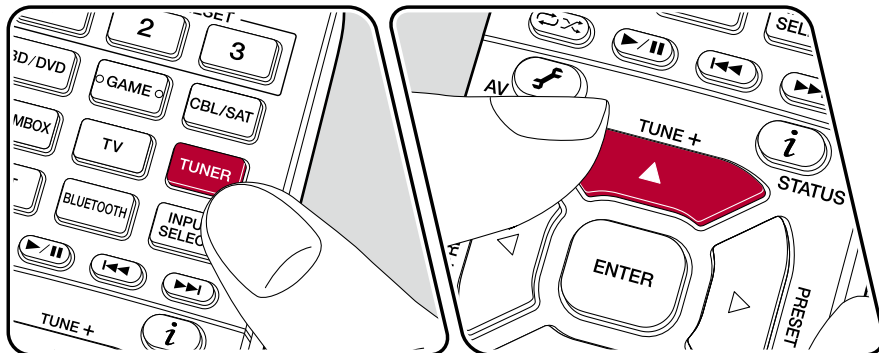
3. When a station is found, the station blinks on the display. Pressing the ENTER button in this state will receive that station. If you don't press the ENTER button, the unit starts to search for another station.
 - If no stations are found, the message "Not Found" is displayed.
 - Unusual characters may be displayed when the unit receives unsupported characters. This is not a malfunction. Also, if the signal from a station is weak, information may not be displayed.



▣ Presetting a Radio Station (→[p74](#))



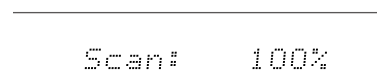
Listening To DAB Digital Radio (European models only)




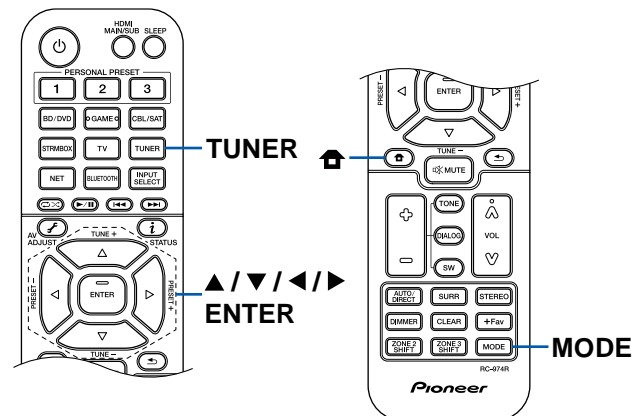
Tuning into a Radio Station

Perform the following procedure when this unit is on.

1. Press TUNER repeatedly to select "DAB".
 - The very first time you select DAB, the Auto Tuning function automatically scans the DAB Band 3 for the multiplexes (i.e., stations) available in your area. Once the scanning process is complete, the first station that was detected is selected.



2. Select the desired radio station with ▲ / ▼.
 - If a new DAB station is introduced, or you move to a new area, press , then use the cursors and ENTER button to run the "DAB Auto Scan" in "Miscellaneous" - "Tuner".



■ Changing the order stations are displayed

You can sort the available stations alphabetically or by multiplex.

1. Press MODE repeatedly to set the method for sorting the display order from the following.

Alphabet (default setting): Sort stations alphabetically.

Multiplex: Sort stations by multiplex.

■ Displaying DAB Radio Information

1. Press **i** repeatedly to display more information about the selected DAB station.

DLS (Dynamic Label Segment): When tuned to a station that's broadcasting DLS text data, the text will scroll across the display.

Program Type: Displays the type of program.

Bit Rate and Audio Mode: Displays the station's bit rate and audio mode (Stereo, Mono).

Quality: Displays the signal quality.

0 - 59: Poor reception

60 - 79: Good reception

80 - 100: Excellent reception

Multiplex Name: Displays the name of the current multiplex.

Multiplex Number and Frequency:

Displays the number and frequency of the current multiplex.



Presetting a Radio Station

Registration Procedure

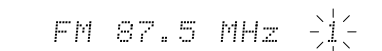
You can preset up to 40(*) of your favorite radio stations.

(*)North American, Australian and Asian models: AM and FM stations

European models: FM and DAB stations

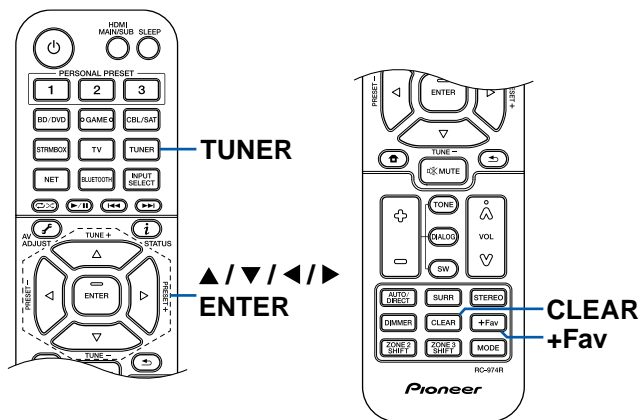
After tuning in to the radio station you want to register, perform the following procedure.

1. Press +Fav so that the preset number on the display blinks.



2. While the preset number is blinking (approx. 8 seconds), repeatedly press the cursors ◀/▶ to select a number between 1 and 40.
3. Press +Fav again to register the station.

When the station is registered, the preset number stops blinking. Repeat this steps to register your favorite radio stations.



Selecting a Preset Radio Station

1. Press TUNER.
2. Press the cursors ◀/▶ to select a preset number.

Deleting a Preset Radio Station

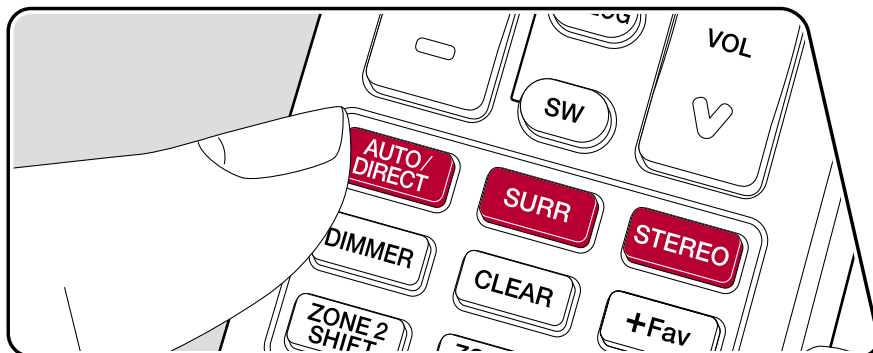
1. Press TUNER.
2. Press the cursors ◀/▶ to select the preset number to delete.
3. After pressing +Fav, press CLEAR while the preset number is blinking, and delete the preset number. When deleted, the number on the display disappears.



Listening Mode

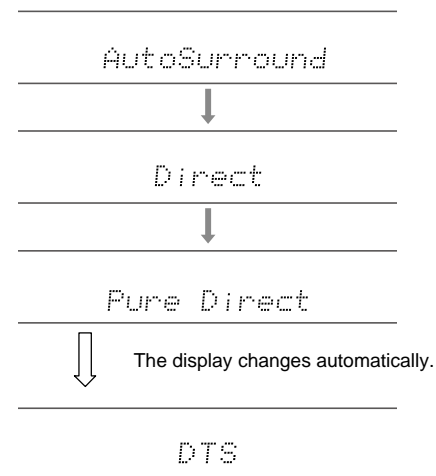
You can change the listening mode during play by pressing repeatedly "AUTO/DIRECT", "SURR", or "STEREO".

- For details of the effects of each listening mode, refer to "Listening Mode Effects" (→p167).
- For listening modes selectable for each audio format of input signals, refer to "Input Formats and Selectable Listening Modes" (→p163).



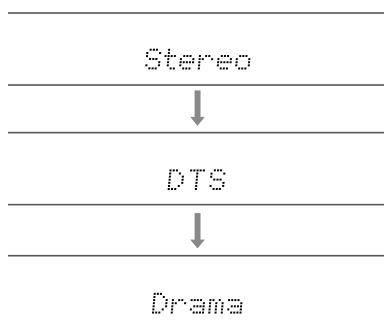
■ AUTO/DIRECT button

Press repeatedly and the listening modes suited to the input signal are switched between "Auto Surround", "Direct", and "Pure Direct". After selecting one of them, "Auto Surround" (or "Direct" or "Pure Direct") is displayed, then the most suitable listening mode for the audio format is selected automatically (DTS for multi-channel input signals, Stereo for 2 channel input signals, etc.) and an indicator such as "DTS" is displayed on the display.



■ SURR button

By pressing repeatedly you can select the audio format of the signals being input and switch between a variety of listening modes. Select the mode that suits your preference. The selected listening mode is displayed on the display.



■ STEREO button

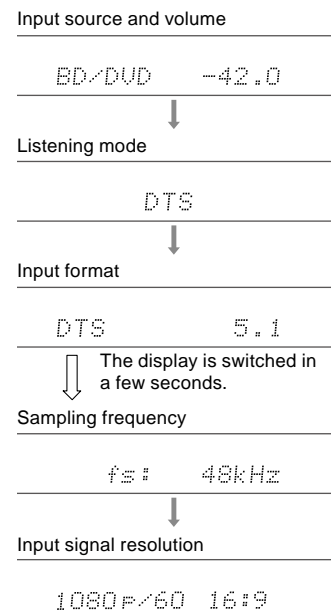
You can select the Stereo mode to playback only from the front speakers and subwoofer and the Extended Stereo mode.

- Each of AUTO/DIRECT, SURR, and STEREO buttons stores the listening mode that was selected last. If content incompatible of the listening mode selected last is played, the most standard listening mode for the content is automatically selected.

Checking the input format and listening mode

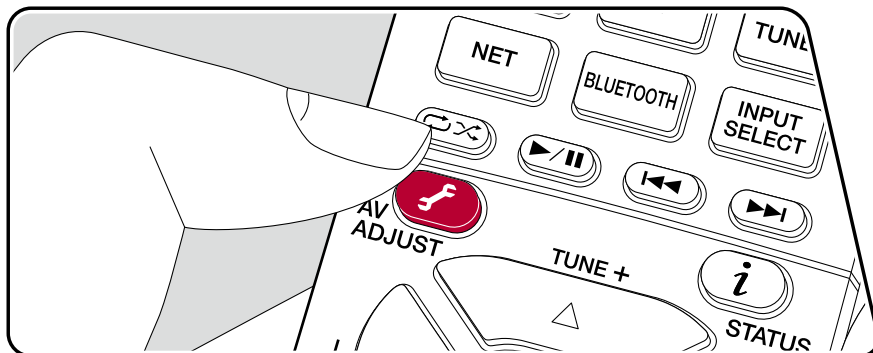
Repeatedly pressing the **i** button on the remote controller switches the display of the main unit in the following order.

- The display content for the BLUETOOTH input is different.
- Not all the information is necessarily displayed.




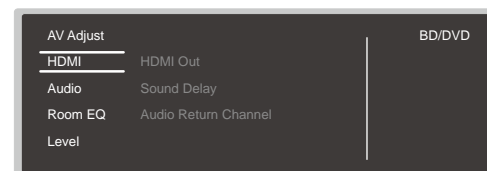
AV Adjust



Menu operations





You can quickly adjust the settings you frequently use, such as tone adjustments, etc.

You can make the settings on the TV screen while playing something. Press  on the remote controller to display the AV Adjust menu. Note that there is no display on the TV screen when the input selector is "CD", "TV", "PHONO", "FM", "AM", or "DAB" so follow the main unit's display while doing the operations.



Select the item with the cursor  /  buttons of the remote controller and press ENTER to confirm your selection.

Use the cursors to change the settings.

- To return to the previous screen, press .
- To exit the settings, press .



■ HDMI

HDMI Out: Select the HDMI OUT jack to output video signals from "MAIN", "SUB", and "MAIN+SUB".

Sound Delay: If the video is behind the audio, you can delay the audio to offset the gap. Different settings can be set for each input selector.

- It cannot be set if the listening mode is Pure Direct and the input signal is either analog or DSD.

Audio Return Channel: You can enjoy the sound of the HDMI-connected ARC-compatible TV through the speakers connected to the unit. Select "On" when listening to the audio of TV using the speakers of this unit. Select "Off" when the ARC function is not used.

■ Audio

Sound Retriever: Improve the quality of the compressed audio. Playback sound of lossy compressed files such as MP3 will be improved. The setting can be separately set to each input selector. The setting is effective in the signals of 48 kHz or less. The setting is not effective in the bitstream signals.

- It cannot be set if the listening mode is Direct or Pure Direct.

Midnight: Make small sounds easily heard. It is useful when you need to reduce the volume while watching a movie late night.

- It cannot be set if the listening mode is Direct or Pure Direct.
- The setting cannot be used in the following cases.
 - If "Loudness Management" is set to "Off" when playing Dolby Digital Plus or Dolby TrueHD
 - When the input signal is DTS:X and "Dialog Control" is other than 0 dB

Zone B: Select a method of outputting audio to ZONE B from among "Off", "On (A+B)" and "On (B)".

■ Room EQ

MCACC EQ: Enable or disable the equalizer function that corrects for distortion caused by the acoustic environment of the room.

- It cannot be set if the listening mode is Pure Direct.

Manual EQ Select: From the Home screen, select "Preset 1" to "Preset 3" which were set in "MCACC" - "Manual MCACC" - "EQ Adjust". The same sound field setting is applied all ranges when set to "Off".

- It cannot be set if the listening mode is Pure Direct.

Phase Control: Correct phase disturbance in the low range to enhance the bass. This enables you to achieve powerful bass reproduction that is faithful to the original sound.

- It cannot be set if the listening mode is Pure Direct.

Theater Filter: Adjust the soundtrack that was processed to enhance its high pitch range, in order to make it suitable for home theater.

- It cannot be set if the listening mode is Direct or Pure Direct.

■ Level

Front: Adjust the speaker level of the front speakers while listening to the sound.

Center: Adjust the speaker level of the center speaker while listening to the sound.

Subwoofer: Adjust the speaker level of the subwoofer while listening to the sound.

- If you set the unit to the standby mode, the adjustments you made will be restored to the previous statuses.



Spotify



Use your phone, tablet or computer as a remote control for Spotify.
Go to spotify.com/connect to learn how.

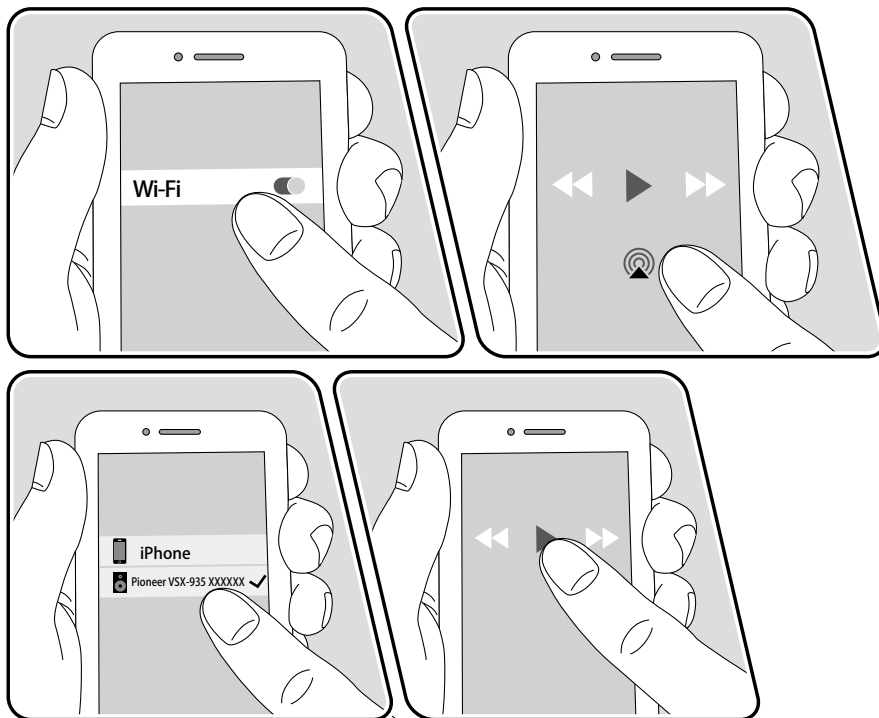


AirPlay®


By connecting this unit to the same network as iOS devices, such as that of iPhone®, iPod touch® and iPad®, you can enjoy music files on iOS devices wirelessly.


- Update the OS version on your iOS device to the latest version.
- Depending on the iOS version, operation screens or operation procedures on the iOS device may be different. For details, refer to the operating instructions for the iOS device.

Basic Operations



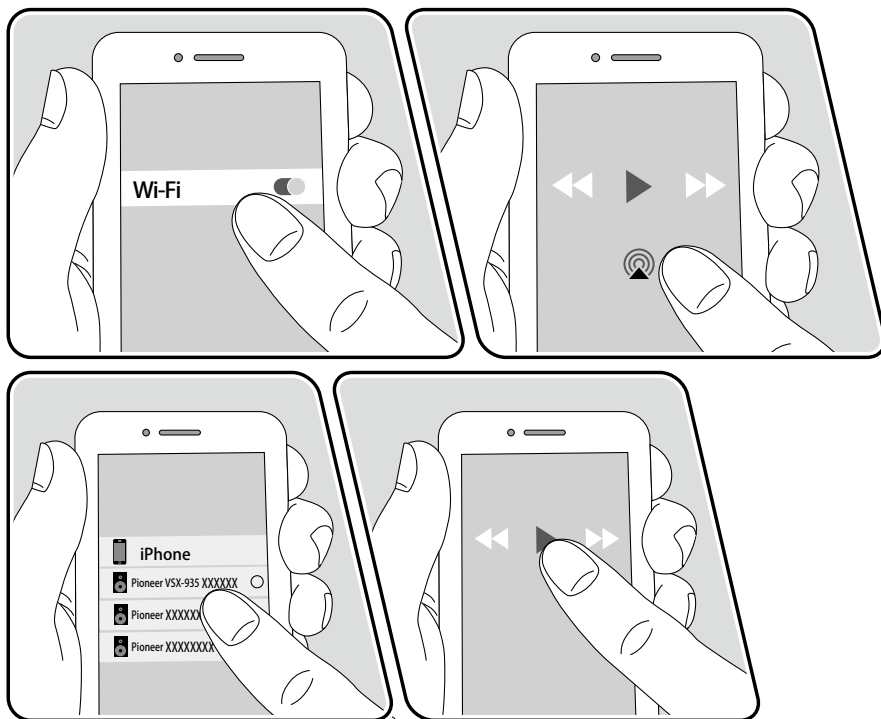
e.g., iOS 10

1. Connect the iOS device to the access point where this unit is connected via network.
2. Tap the AirPlay icon  in the play screen of the music app on an iOS device that supports AirPlay and select this unit from the list of devices displayed.
3. Play the music file on the iOS device.
 - If "System Setup" - "Hardware" - "Power Management" - "Network Standby" is set to "Off" in the Home, manually turn the unit on and then press NET on the remote controller. In the factory default setting, the Network Standby function (→p125) is set to On.
 - Due to the characteristics of AirPlay wireless technology, the sound produced on this unit may slightly be behind the sound played on the AirPlay-enabled device.

You can also play the music files on a PC with iTunes (Ver. 10.2 or later) equipped. Confirm that this unit and the PC are connected to the same network beforehand. Then, press NET on the remote controller. Next, click the AirPlay icon  in iTunes, select this unit from the displayed devices, and start play of a music file.





Playing Back on multiple devices (AirPlay2)



e.g., iOS 11.4

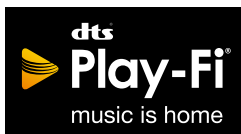
This unit supports AirPlay2. If the version of the iOS device is iOS11.4 or later, you can play the music file on the iOS device simultaneously on this device and on another device that supports AirPlay2.

1. Connect the iOS device to the access point where this unit is connected via network.
2. Tap the AirPlay icon  on the play screen of the music play application on the iOS device, and select this unit and AirPlay2-supported devices to play from the displayed devices.
 - AirPlay2-supported devices are displayed with white circle on the right side.
 - Multiple AirPlay2-supported devices can be selected.
 - The volume can be adjusted on individual devices.
3. Play the music file on the iOS device.
 - If "System Setup" - "Hardware" - "Power Management" - "Network Standby" is set to "Off" in the Home, manually turn the unit on and then press NET on the remote controller. In the factory default setting, the Network Standby function (→p125) is set to On.
 - Due to the characteristics of AirPlay wireless technology, the sound produced on this unit may slightly be behind the sound played on the AirPlay-enabled device.

You can also play the music files on a PC with iTunes (Ver. 12.8 or later) equipped. Confirm that this unit and the PC are connected to the same network beforehand. Then, press NET on the remote controller. Next, click the AirPlay icon  in iTunes, select this unit and AirPlay2-supported devices to play from the displayed devices, and start play of a music file.



DTS Play-Fi®



<https://play-fi.com/>

When connecting this unit to the same network as mobile devices, such as a smartphone and tablet, you can enjoy music played on the mobile device wirelessly. Music from a streaming distribution service or music in the music library on a mobile device can be played. This function also supports a playlist on iTunes. Also, connecting multiple speakers supporting DTS Play-Fi on the same network will enable "Group playback" that plays the same music in separate rooms at home. To enjoy this function, download Pioneer Music Control App (available on iOS or Android™).



Playing Back

1. Download Pioneer Music Control App using your mobile device.
https://intl.pioneer-audiovisual.com/playfi/app_p.html



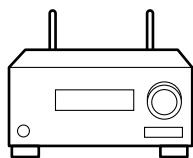
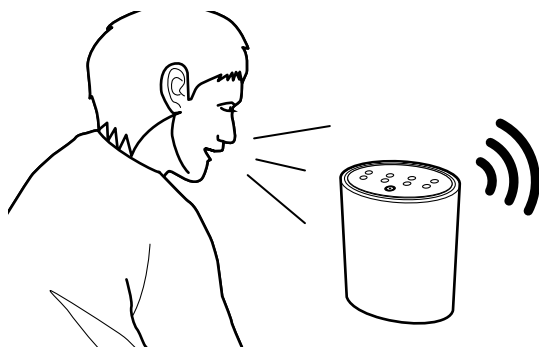
2. Connect the mobile device to the network where this unit is connected.
3. Starting up Pioneer Music Control App will automatically display compatible devices.
4. Select this device from the compatible devices. Then, a list of applications such as a music streaming distribution service is displayed. Select the content to play, and perform operation according to the on-screen instructions.
 - If "System Setup" - "Hardware" - "Power Management" - "Network Standby" is set to "Off" in the Home, manually turn the unit on and then press NET on the remote controller. In the factory default setting, the Network Standby function (→p125) is set to On.
 - For detailed operation and FAQ, visit the following URL.
https://intl.pioneer-audiovisual.com/playfi/info_p.html
 - To use a music streaming distribution service, user registration may be required.
 - This unit does not support the following DTS Play-Fi functions.
 - Spotify
 - Wireless Surround Sound
 - Line In Rebroadcast
 - Internet Radio
 - Some of the settings in the "Setup menu" cannot be changed on this unit. To change those settings, cancel the connection of this unit from the application.
 - Listening modes cannot be selected during playback.



Amazon Alexa

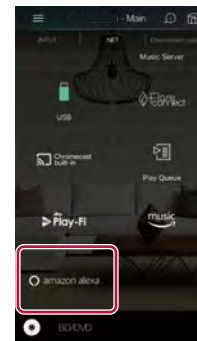
Alexa is a cloud-based voice service developed by Amazon. When this unit is registered with an Amazon account, you can use a terminal with Amazon Alexa (an Amazon Echo, etc.) or Amazon Alexa App (available on iOS and Android™) to perform operations such as adjusting the volume of this unit or playing music using voice commands.

- You need an Amazon account to use Amazon Alexa. For more information, see the Amazon website.



Registering this unit with an Amazon account

- Register with the Amazon account on Pioneer Remote App. This cannot be set with operations on this unit. Refer to "Pioneer Remote App" (→p145) for information about the app.
- Start Pioneer Remote App and tap the unit when displayed.
- Tap "NET" or "NETWORK" at the top of the Pioneer Remote App screen, and after switching to the network menu, tap the "amazon alexa" icon.
 - If the login screen is not displayed, but rather a screen prompting installation of Service Unlocker, then install that first.



Available services may differ depending on your area.

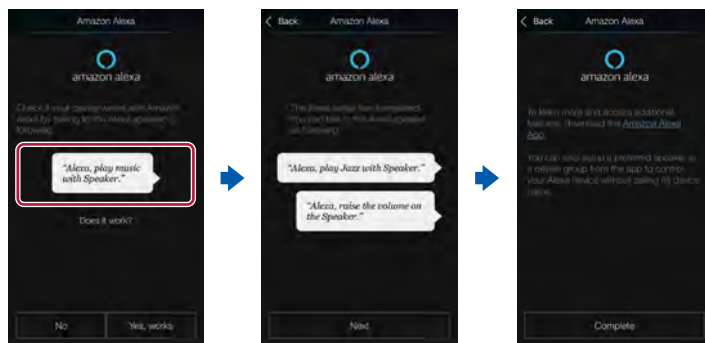
- Tap "Start Setup", and in the Setup screen, select the language and register the device name. Select the same language as the one you have selected for your other terminals with Amazon Alexa (an Amazon Echo, etc.). For the device name, use one that can easily be called up vocally. For example: Speaker
- Tap "Next" to display the Amazon Alexa screen.
- Follow the on screen instructions to enter the Amazon account information, such as your email address and password, to log into Amazon (*1). After logging in, tap "Allow" and register this unit with an Amazon account. (*1) Log in using the same account as other terminals with Amazon Alexa.



7. When registration is finished, the screen returns to the one for Pioneer Remote App. Follow the on screen instructions and talk to the terminal with Amazon Alexa (an Amazon Echo, etc.), and confirm that you can use voice commands.

For example: "Alexa, raise the volume of the speaker (*2)"
 "Alexa, play music from the speaker (*2)"

(*2) Use the device name you registered in Step 4 when talking.



Operating this unit

You can use voice commands to adjust the volume on this unit, start and stop music, and skip music up or down.

1. With the unit on, speak at the terminal with Amazon Alexa (an Amazon Echo, etc.). When using the Amazon Alexa app, after starting the app, tap the Alexa logo and speak at the mobile device.

For example: "Alexa, raise the volume of the speaker (*3)"
 "Alexa, play music from the speaker (*3)"

(*3) Use the device name you registered in Step 4 of "Registering this unit with an Amazon account" when talking.

- Refer to the website for details about voice commands. ([Click here](#) 📄)
- It is not possible to turn the unit on or off, or to switch the listening mode.
- Refer to the Amazon websites for information about operation of the Amazon Alexa app.



Amazon Music



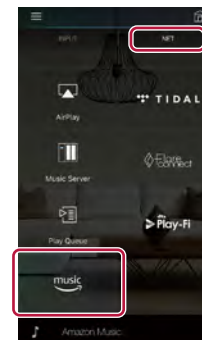
You can use the music distribution service provided by Amazon by registering with Amazon Music.

- To play Amazon Music you need to have an Amazon account and to be a member of Amazon Prime and Amazon Music Unlimited. For more information, see the Amazon website.

Amazon Music is now available in several countries. If Amazon Music is not available in your country, please visit <https://music.amazon.com/> for more info.

Registering This Unit with Amazon Music

- Register with the Amazon account on Pioneer Remote App. This cannot be set with operations on this unit.
Refer to "Pioneer Remote App" (→p145) for information about the app.
- Start Pioneer Remote App and tap the unit when displayed.
- Tap "NET" or "NETWORK" at the top of the Pioneer Remote App screen, and after switching to the network screen, tap the "Amazon Music" icon to display the Amazon Music login screen. (Depending on the model, the icon names may be different.)
 - If the login screen is not displayed, but rather a screen prompting installation of Service Unlocker, then install that first.



Available services may differ depending on your area.

- Enter the information required for the Amazon account, such as your email address and password, to log into Amazon. The Amazon Music menu is displayed when login is successful and this unit is registered.
To continue to start play, proceed to step 3 in the next section.



Playing Amazon Music using the Pioneer Remote App

1. Start the Pioneer Remote App. This unit is displayed automatically when the app is started, so tap the unit when displayed to select it.
2. Tap "NET" or "NETWORK" at the top of the screen, and after switching to the network screen, tap the "Amazon Music" icon.
3. Select the content that you want to play in the menu screen for Amazon Music and start play.

Playing Amazon Music using the remote controller

1. Switch the input on the TV to the input connected to the unit.
2. Pressing NET will display the Network Functions list screen on the TV.
3. Select "Amazon Music" with the cursors and press ENTER to confirm.
4. Select the content that you want to play in the menu screen for Amazon Music and start play.



TIDAL



Registering this unit with TIDAL allows you to enjoy the music distribution service provided by TIDAL. You can register this unit on the screen of Pioneer Remote App by downloading Pioneer Remote App (available on iOS or Android™) to mobile devices such as a smartphone and tablet.

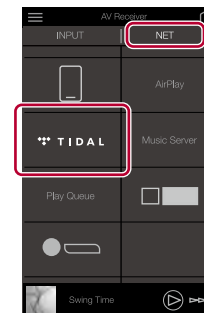
- You need a TIDAL account to play back TIDAL. For more information, see the [TIDAL](#) website.



Registering this unit with TIDAL

- You can register this unit with TIDAL using Pioneer Remote App. The registration cannot be performed by operation of this unit.
- Connect this unit to your home network by the network settings on this unit.
 - Download Pioneer Remote App using your mobile device.
 - Connect the mobile device to the network where this unit is connected.
 - Start up Pioneer Remote App to automatically display this unit. Tap and select this unit displayed.
 - Tap "NET" or "NETWORK" on the upper part of the Pioneer Remote App's screen to switch to the network menu. Then tap the "TIDAL" icon to display the login screen of TIDAL. (Depending on the model, the icon names may be different.)
- If the login screen is not displayed but an update or installation screen is displayed instead, perform the update or installation according to the

onscreen instructions.



Available services may differ depending on your area.

- Enter the TIDAL account information such as login ID and password to log in to TIDAL. When the login is successful and this unit is registered, the TIDAL menu is displayed.
For playback, proceed to step 3 in the next section.

Playing TIDAL

- Start up Pioneer Remote App. This unit is automatically displayed after startup. Then, tap and select this unit displayed.
- Tap "NET" or "NETWORK" on the upper part of the screen to switch to the network screen. Then tap the "TIDAL" icon.
- Select the content to play from the menu screen of TIDAL to start playback.
 - To play TIDAL using the remote controller, operate the input selector on the remote controller to display the network menu, and select "TIDAL" from the menu.



Connecting the Sonos System for Playback




Once your unit is connected to the Sonos Connect you will be able to send any music or source on your Sonos App to the unit. By going through the Sonos Connect, you can play your unit through other Sonos devices in the network in the same group, or you can just play on your unit. Further, the power of your unit turns on automatically when music starts playing on the Sonos App, and the linked function to switch input works.

- If "System Setup" - "Hardware" - "Power Management" - "Network Standby" is set to "Off" in the Home, manually turn the unit on and then press NET on the remote controller. In the factory default setting, the Network Standby function (→p125) is set to On.
- You can register a maximum of 2 Sonos Connect.

Necessary Equipment


- Sonos Connect
- RCA audio cable (supplied with Sonos Connect)

How to Connect This Unit and Sonos Connect

1. Connect the Sonos Connect to the AUDIO IN jack of this unit with the RCA audio cable supplied with the Sonos Connect. Any input can be used other than the PHONO jack.
 - You can also connect with a digital cable. For details, refer to the instruction manual of the Sonos.
 - You can rename the input that is displayed on the unit to a more logical name. For example, you can change the name of input that the Sonos Connect is plugged into from "CD" (or another input selector name) to "SONOS". Press the  button on the remote controller to display the Home screen, and select "System Setup" - "Source" - "Name Edit" to change the name.

Setting Up

A setup is required to play Sonos on this unit. Make the setting according to the following procedure.

1. Press the  button on the remote controller to display the Home screen, select "System Setup" - "Hardware" - "Works with SONOS", and press the ENTER button.
2. Select the following items with the cursors ▲ / ▼ and set each item.

Input Selector:

Enable the interlocking function with the Sonos Connect. With the cursors ◀ / ▶, select the input selector to which the Sonos Connect is connected.

Connected Device:

Press the ENTER button to display Sonos devices connected to the same network as the network of this unit. Select the Sonos Connect connected to the unit and press the ENTER button.

- Products (e.g. Play:3 unequipped with an output terminal) other than the Sonos Connect are also displayed in the device list and selectable. In that case, when playback on the Sonos side starts, the input is switched, however, audio is not output. Select the room name of the connected



Sonos Connect.

- Up to 32 devices can be displayed on the Sonos product list screen. If you cannot find the Sonos Connect to be interlocked, return to the previous screen, turn off the product you do not want to interlock, and try again.

Output Zone:

With the cursors ◀/▶, select the ZONE where you want to listen to the music.

"Main": Outputs audio only to the main room (where this unit is located).

"Zone 2": Outputs audio only to the separate room (ZONE 2).

"Main/Zone 2": Outputs audio to both the main room and separate room.

Preset Volume:

You can set the volume that Sonos Connect will be played at in the main room (where this unit is located) beforehand. Select a value from "Last" (Volume level before entering standby mode), "-∞ dB", and "-81.5 dB" to "+18.0 dB".

- When making the setting for the second unit, press the cursor ▼ several times to move to the next page, and change the menu from "SONOS-1" to "SONOS-2".



Playing Sonos on This Unit

1. Using your Sonos App select the music you want to listen to and send it to the room (or group) where your unit is located. We recommend naming your unit / Sonos Connect combination a friendly name like TV Room or Living Room where the equipment is located.
- If the input on your unit does not change automatically when play starts, try stopping play, then starting it again.
 - When the "Volume Pass Through" mode has been selected with the Sonos App settings, you can use the Sonos App to control the volume of this unit.
 - * You cannot use the "Preset Volume" function when the "Volume Pass Through" mode has been selected.



Internet Radio Service Menu

You can bookmark specific stations, or delete stations that have been bookmarked. The displayed menu varies according to the service being selected.

The menu icon  is displayed while a station is being played. When only this icon is displayed, pressing ENTER will display the menu on the screen. When multiple icons are displayed, select the  icon with the cursor, and press ENTER.

Regarding the TuneIn Radio Account

If you create an account on the TuneIn Radio website (tunein.com), and log in it from this unit, your favorite radio stations or programs you have followed on the website are automatically added to your "My Presets" on this unit. "My Presets" is displayed on the next level in the hierarchical structure of TuneIn Radio. To display a radio station added to "My Presets", you need log into TuneIn Radio from the unit. To log in, select "Login" - "I have a TuneIn account" in the "TuneIn Radio" top list on the unit, and then enter your user name and password.

- If you select "Login" on this unit, a registration code is displayed. By using this code, you can associate the device on the My Page section of the TuneIn Radio website so that you can log in from "Login" - "Login with a registration code" without entering the user name and password.



Multi-zone

You can enjoy 2 ch audio in the separate room (ZONE 2) while performing playback in the main room (where this unit is located). The same source can be played back in the main room and ZONE 2 simultaneously. Also, different sources can be played back in both rooms. For the "NET", "BLUETOOTH" or "USB" input selector, you can select only the same source for the main room and separate room. If you select "NET" in the main room and then select "BLUETOOTH" in the separate room, the main room setting switches to "BLUETOOTH". You cannot select different stations of DAB (European models)/AM (North American, Australian and Asian models)/FM broadcasts for the main room and separate room.

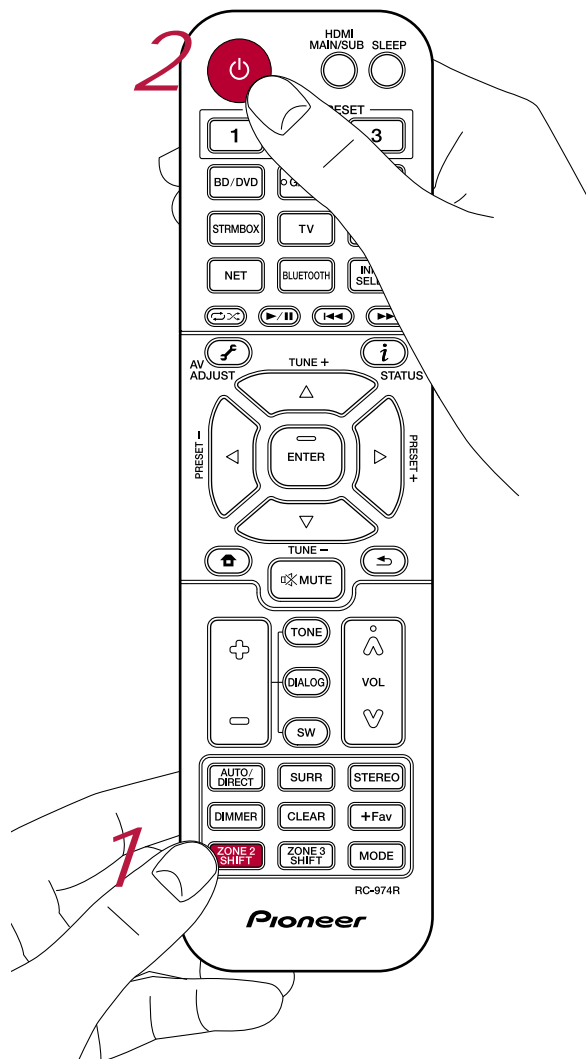
Pioneer Remote App (→[p145](#)) is useful for the multi-zone playback operation. Download Pioneer Remote App (available on iOS or Android™) to a mobile device, such as a smartphone and tablet to use it.



Playing Back (→[p93](#))



Playing Back



In the remote controller operation, while pressing and holding the ZONE 2 SHIFT button on the remote controller, operate with each button.

1. Point the remote controller at the unit, and while pressing and holding the ZONE 2 SHIFT button on the remote controller, press ϕ .
 - "Z2" on the display of the main unit lights up.

Z2

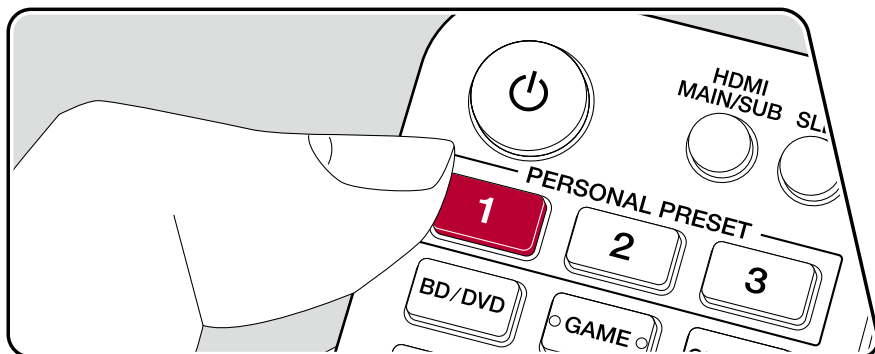
2. While pressing and holding the ZONE 2 SHIFT button on the remote controller, press the input selector of the input source you want to play in the separate room. On the main unit, after pressing ZONE 2-CONTROL button, within 8 seconds turn the input selector dial to select the input to be played in the separate room.
 3. When using the ZONE 2 LINE OUT connection, adjust the sound volume on the integrated amplifier in the separate room. For the ZONE speaker output, while pressing and holding the ZONE 2 SHIFT button on the remote controller, adjust the volume with the volume button. To do this on the main unit, press the ZONE 2-CONTROL button, and then within 8 seconds, adjust the volume using the MASTER VOLUME dial.
- If you turn the unit to standby during multi-zone playback, the Z2 indicator is dimmed, and the playback mode is switched to playback in a separate room only. Setting ZONE 2 to on while the unit is in standby also switches the playback mode to playback in the separate room only.
 - The audio from externally connected AV components can be output to ZONE 2 only when the audio is analog or 2 ch PCM signal. When the AV component is connected to this unit with an HDMI cable, digital coaxial cable or digital optical cable, change the audio output of the AV component to the PCM output.
 - When video and audio via HDMI input are output to ZONE 2, set "Input/Output Assign" - "TV Out / OSD" - "Zone 2 HDMI" (→[p111](#)) to "Use" on the System Setup menu.
 - DSD audio signals cannot be output to ZONE 2 when selected with the "NET" or "USB" input selector.
 - If ZONE 2 is on, power consumption during standby will increase.



To set the function to off: While pressing and holding ZONE 2 SHIFT button, press ϕ . Alternatively, press the ZONE 2-ON/OFF button on the main unit.



Using PERSONAL PRESET

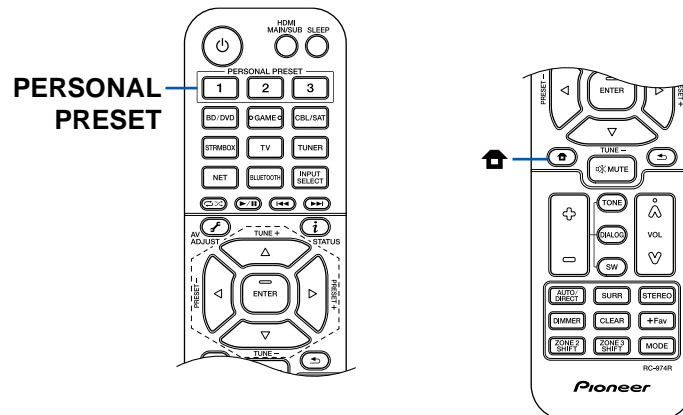


Registration

You can register settings (→p96) such as the current input selector and listening mode with the three PERSONAL PRESET buttons, and call a registered setting in a single operation. e.g.) Pressing the PERSONAL PRESET button will automatically switch the input selector to "TUNER" to receive the registered station. Also, the listening mode and volume level are switched as registered.

Perform the following steps in the state of the setting to register.

1. Press and hold any of the 1 to 3 buttons of PERSONAL PRESET.
2. "Preset Written" appears on the display, and the setting is registered. If registration has already been made, the registered setting is overwritten.



Settings that can be registered


The following settings can be registered with PERSONAL PRESET.

- Input selector (Network service or AM (North American,Australian and Asian models)/FM/DAB (European models) radio stations can also be registered.)
 - Output destination (HDMI)
 - Listening mode
 - Volume level (Upper limit "0.0 dB")
(When ZONE 2 is on, the volume level of ZONE 2 is also registered.)
 - Output destination (Multi Zone)
 - Sound Retriever function's "On" and "Off"
 - TREBLE/BASS/DIALOG, etc.
- * When AM/FM/DAB radio stations are registered, TUNER's preset numbers "38", "39" and "40" (→[p74](#)) are overwritten.

Using the registered settings

1. Press any of the 1 to 3 buttons of PERSONAL PRESET with which settings have been registered.

Checking the registered settings

1. Press  to display the Home screen, select "System Setup" - "Input/Output Assign" - "PERSONAL PRESET Information" (→[p114](#)), and press ENTER.
2. The registered settings are displayed in the list.
 - Some of the items such as the Sound Retriever function are not displayed in the list.



USB Storage Device

You can play music files stored on a USB storage device.

Supported Audio Formats

MP3 (.mp3)

- MPEG-1/MPEG-2 Audio Layer 3/44.1 kHz, 48 kHz/Between 8 kbps and 320 kbps, and VBR

WMA (.wma)

- 44.1 kHz, 48 kHz/Between 5 kbps and 320 kbps, and VBR
- WMA Pro/Voice/WMA Lossless formats are not supported.

WAV (.wav)

WAV files contain uncompressed PCM digital audio.

- 44.1 kHz, 48 kHz, 88.2 kHz, 96 kHz, 176.4 kHz, 192 kHz/8 bit, 16 bit, 24 bit

AIFF (.aiff/.aif)

AIFF files contain uncompressed PCM digital audio.

- 44.1 kHz, 48 kHz, 88.2 kHz, 96 kHz, 176.4 kHz, 192 kHz/8 bit, 16 bit, 24 bit

AAC (.aac/.m4a/.mp4/.3gp/.3g2)

- MPEG-2/MPEG-4 Audio/44.1 kHz, 48 kHz, 88.2 kHz, 96 kHz/Between 8 kbps and 320 kbps, and VBR

FLAC (.flac)

- 44.1 kHz, 48 kHz, 88.2 kHz, 96 kHz, 176.4 kHz, 192 kHz/8 bit, 16 bit, 24 bit

LPCM (Linear PCM)

- 44.1 kHz, 48 kHz/16 bit

Apple Lossless (.m4a/.mp4)

- 44.1 kHz, 48 kHz, 88.2 kHz, 96 kHz, 176.4 kHz, 192 kHz/16 bit, 24 bit

DSD (.dsf/.dff)

- DSF/DSDIFF/2.8 MHz, 5.6 MHz, 11.2 MHz

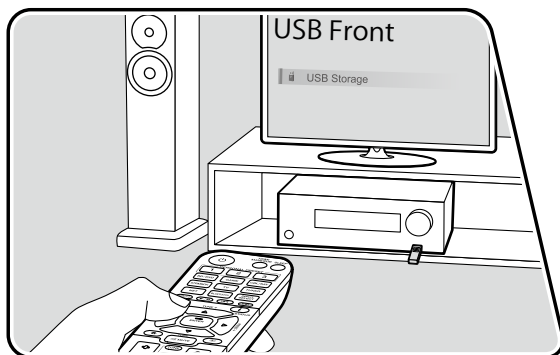
USB Storage Device Requirements

- This unit can use USB storage devices that comply with the USB mass storage class standard. Also the format of USB storage devices supports FAT16 or FAT32 file system format.
- If the USB storage device has been partitioned, each section will be treated as an independent device.
- Up to 20,000 tracks per folder are supported, and folders can be nested up to 16 levels deep.
- USB hubs and USB storage devices with hub functions are not supported. Do not connect these devices to the unit.
- If an AC adapter is supplied with the USB storage device, connect the AC adapter, and use it with a household outlet.
- USB storage devices with security functions are not supported on this unit.
- Media inserted to the USB card reader may not be available in this function. Furthermore, depending on the USB storage device, proper reading of the contents may not be possible.
- In use of a USB storage device, our company accepts no responsibility whatsoever for the loss or modification of data stored on a USB storage device, or malfunction of the USB storage device. We recommend that you back up the data stored on a USB storage device before using it with this unit.
- Note that operation is not always guaranteed for all USB storage devices.

Playing music files saved on a USB storage device (→[p98](#))

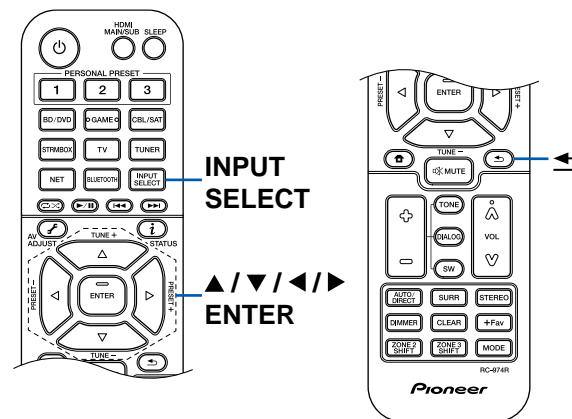


Playing music files saved on a USB storage device



Perform the following procedure when this unit is on.

1. Switch the input on the TV to the input connected to the unit.
2. Plug your USB storage device with the music files into the USB port either on the front panel or rear panel of this unit.
3. Press INPUT SELECT and select "USB Front" or "USB Rear".
 - If the "USB" indicator blinks on the display, check whether the USB storage device is plugged in properly.
 - Do not unplug the USB storage device while "Connecting..." is being displayed on the display. This may cause data corruption or malfunction.
4. Press ENTER in the next screen. The list of folders and music files on the USB storage device is displayed. Select the folder with the cursors, and press ENTER to confirm your selection.
5. Select the music file with the cursors, and then press ENTER to start playback.



- To return to the previous screen, press ↶.
- Characters that cannot be displayed on this unit appear with "*".
- The USB port of this unit complies with the USB 2.0 standard. The transfer speed may be insufficient for some content you play, and sound interruptions, etc. may occur.
- When playing files recorded with VBR (Variable bit-rate), the playback time

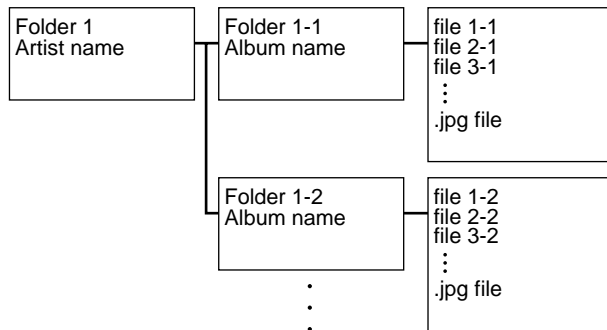


may not be displayed correctly.

- This unit supports the gapless playback of the USB storage device in the following conditions.

When continuously playing WAV, FLAC and Apple Lossless files with the same format, sampling frequency, the number of channels and quantization bit rate.

- To display an album title, artist name and album art of a file in WAV format, make the folder structure and file names as shown below when saving music files. The album art can be displayed by saving a .jpg file to display on the screen in the folder of bottom level. Note that a large volume of .jpg file may take time to be displayed, or may not be displayed.



Music Server

Streaming play of music files stored on PCs or NAS devices connected to the same network as this unit is supported.

- The network servers this unit is compatible with are those PCs with players installed that have the server functionality of Windows Media® Player 12, or NAS that are compatible with home network functionality. When using Windows Media® Player 12, you need to make the settings beforehand. Note that with PCs, only music files registered in the library of Windows Media® Player can be played.

Supported Audio Formats

MP3 (.mp3)

- MPEG-1/MPEG-2 Audio Layer 3/44.1 kHz, 48 kHz/Between 8 kbps and 320 kbps, and VBR

WMA (.wma)

- 44.1 kHz, 48 kHz/Between 5 kbps and 320 kbps, and VBR
- WMA Pro/Voice/WMA Lossless formats are not supported.

WAV (.wav)

WAV files contain uncompressed PCM digital audio.

- 44.1 kHz, 48 kHz, 88.2 kHz, 96 kHz, 176.4 kHz, 192 kHz/8 bit, 16 bit, 24 bit

AIFF (.aiff/.aif)

AIFF files contain uncompressed PCM digital audio.

- 44.1 kHz, 48 kHz, 88.2 kHz, 96 kHz, 176.4 kHz, 192 kHz/8 bit, 16 bit, 24 bit

AAC (.aac/.m4a/.mp4/.3gp/.3g2)

- MPEG-2/MPEG-4 Audio/44.1 kHz, 48 kHz, 88.2 kHz, 96 kHz/Between 8 kbps and 320 kbps, and VBR

FLAC (.flac)

- 44.1 kHz, 48 kHz, 88.2 kHz, 96 kHz, 176.4 kHz, 192 kHz/8 bit, 16 bit, 24 bit

LPCM (Linear PCM)

- 44.1 kHz, 48 kHz/16 bit

Apple Lossless (.m4a/.mp4)

- 44.1 kHz, 48 kHz, 88.2 kHz, 96 kHz/16 bit, 24 bit

DSD (.dsf/.dff)

- DSF/DSDIFF/2.8 MHz, 5.6 MHz, 11.2 MHz

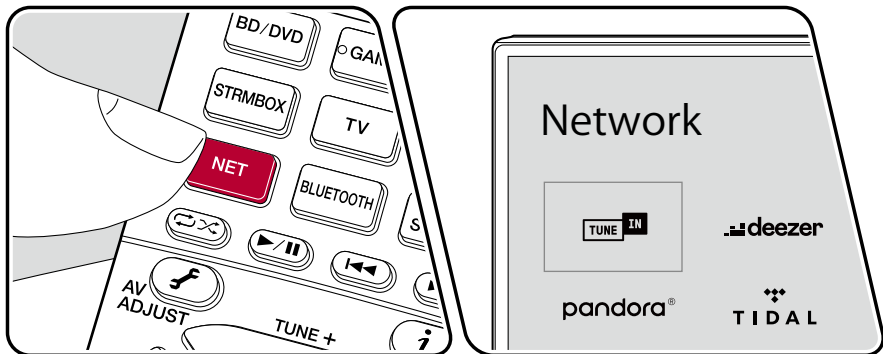
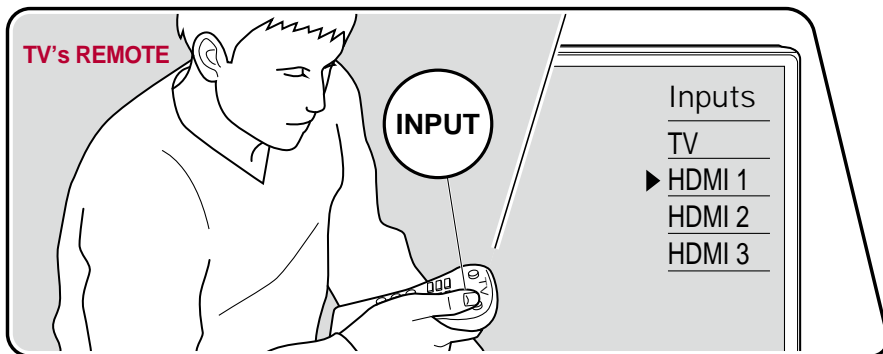
Windows Media® Player 12 settings

1. Turn on your PC, and start Windows Media® Player 12.
2. In the "Stream" menu, select "Turn on media streaming" to display a dialog box.
 - If the media streaming is already turned on, select "More streaming options..." in the "Stream" menu to display the list of playback devices in the network, and then go to step 4.
3. Click "Turn on media streaming" to display the list of playback devices in the network.
4. Select this unit in "Media streaming options" and check that it is set to "Allow".
5. Click "OK" to close the dialog.
6. Open the "Stream" menu and confirm that "Allow remote control of my Player..." is checked.
 - Depending on the version of Windows Media® Player, the names of items to select may differ from the above description.

□ Playing Back (→ [p101](#))



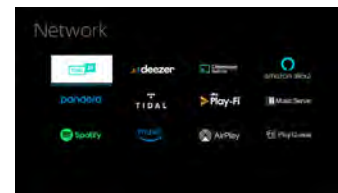
Playing Back



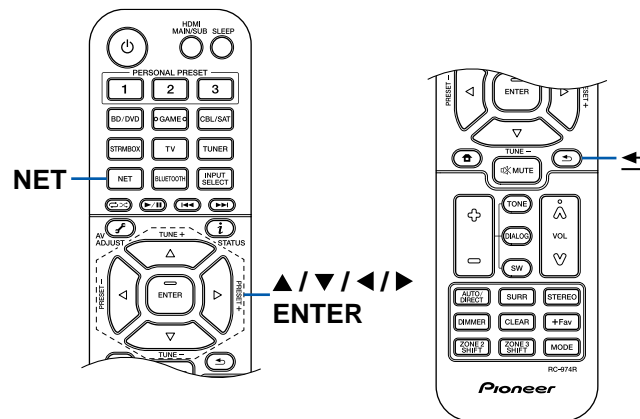
The illustration shows an image.

Perform the following procedure when this unit is on.

1. Switch the input on the TV to the input connected to the unit.
2. Start the server (Windows Media® Player 12, or NAS device) containing the music files to play.
3. Make sure that the PCs and/or NASs are properly connected to the same network as this unit.
4. Press NET to display the network service list screen.
 - If the "NET" indicator on the display blinks, the unit is not properly connected to the network. Check the connection.



5. With the cursors, select "Music Server", and then press ENTER.



6. Select the target server with the cursors, and press ENTER to display the items list screen.
 - This unit cannot access pictures and videos stored on servers.
 - Depending on the server sharing settings, contents stored on the server may not be displayed.
7. With the cursors, select the music file to play, and then press ENTER to start playback.
 - If "No Item." is displayed on the screen, check whether the network is properly connected.
 - To return to the previous screen, press ⏪.
 - When playing files recorded with VBR (Variable bit-rate), the playback time may not be displayed correctly.
 - For music files on a server, up to 20,000 tracks per folder are supported, and folders can be nested up to 16 levels deep.
 - Depending on the type of media server, the unit may not recognize it, or may not be able to play its music files.

Searching music files to select

If the server you use supports search functions, the following search function can be used.

Perform the following procedure with available servers displayed using Music Server.

1. With ▲ / ▼, select the server containing music files you want to play, and select ENTER.
2. With ▲ / ▼, select the Search folder, and press ENTER. The Search folder contains the following three folders.
 - "Search by Artist": Select this when searching by artist name.
 - "Search by Album": Select this when searching by album title.
 - "Search by Track": Select this when searching by track title.
3. With ▲ / ▼, select the folder, and press ENTER.
4. Input a character string to search for, and press ENTER. Then, the search result is displayed.
5. With ▲ / ▼, select the music files to play, and select ENTER.

Controlling Remote Playback from a PC

You can use this unit to play music files stored on your PC by operating the PC in your home network. The unit supports remote playback via Windows Media® Player 12. To use the remote playback function of this unit with Windows Media® Player 12, it must be configured beforehand. (→[p100](#))

Remote playback

1. Turn on the power of the unit.
 2. Turn on your PC, and start Windows Media® Player 12.
 3. Select and right-click the music file to play with Windows Media® Player 12.
 - To remotely play a music file on another server, open the target server from "Other Libraries", and select the music file to play.
 4. Select this unit in "Play to" to open the "Play to" window of Windows Media® Player 12, and start playback on this unit.
 - If your PC is running on Windows® 8.1, click "Play to", and select this unit. If your PC is running on Windows® 10, click "Cast to Device", and select this unit. Operations during remote playback are possible from the "Play to" window on the PC. The playback screen is displayed on the HDMI-connected TV.
 5. Adjust the volume using the volume bar on the "Play to" window.
 - Sometimes, the volume displayed on the remote playback window may differ from the volume displayed on the display of this unit.
 - When the volume is changed on this unit, the value is not reflected in the "Play to" window.
 - This unit cannot play music files remotely in the following conditions.
 - It is using a network service.
 - It is playing a music file on a USB storage device.
- Remote play of FLAC and DSD is not supported.
 - Remote playback does not support the gapless playback.



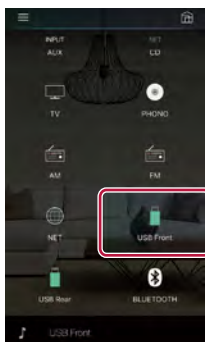
Play Queue



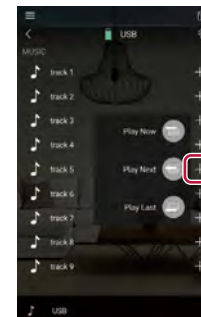
When downloading Pioneer Remote App (available on iOS or Android™) to mobile devices, such as a smartphone and tablet, you can save your favorite playlist (Play Queue information) among music files stored in the USB storage device connected to this unit and music files stored in PC or NAS connected to the same network as this unit, and you can play the music on the playlist. The Play Queue information is effective until the power cord of this unit is removed from the outlet. Refer to "Pioneer Remote App" (→p145) for information about the app.

Adding Play Queue Information

1. Select the "INPUT" input on the application screen, and tap the "USB" icon. Or, select the "NET" input, and tap the "USB" icon or "Music Server" icon. (Depending on the model, the icon names may be different.)



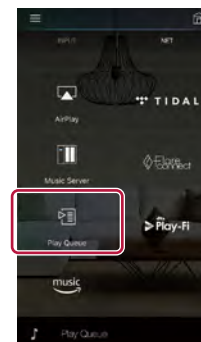
2. Tapping the "+" icon of the track you want to add will open the pop-up to add the Play Queue information.



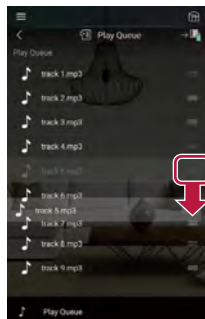
3. Touch the "Play Now", "Play Next" or "Play Last" icon to add the track to Play Queue.
 - If there are no tracks on the Play Queue list, only "Play Now" is displayed.

Sort and Delete

1. Select the "NET" input, tap the "Play Queue" icon, and enter the Play Queue service screen.



2. Tap the "☰" icon of the track to sort, and drag the icon to the destination.



3. To delete a track, slide the track to the left until the trash icon changes to "🗑️". If the device is on iOS, slide the "☰" icon to the left. Releasing your finger will delete the track from Play Queue.



Playing Back

Playback starts when you select "Play Now" for Play Queue addition, or select the track in the Play Queue service screen.

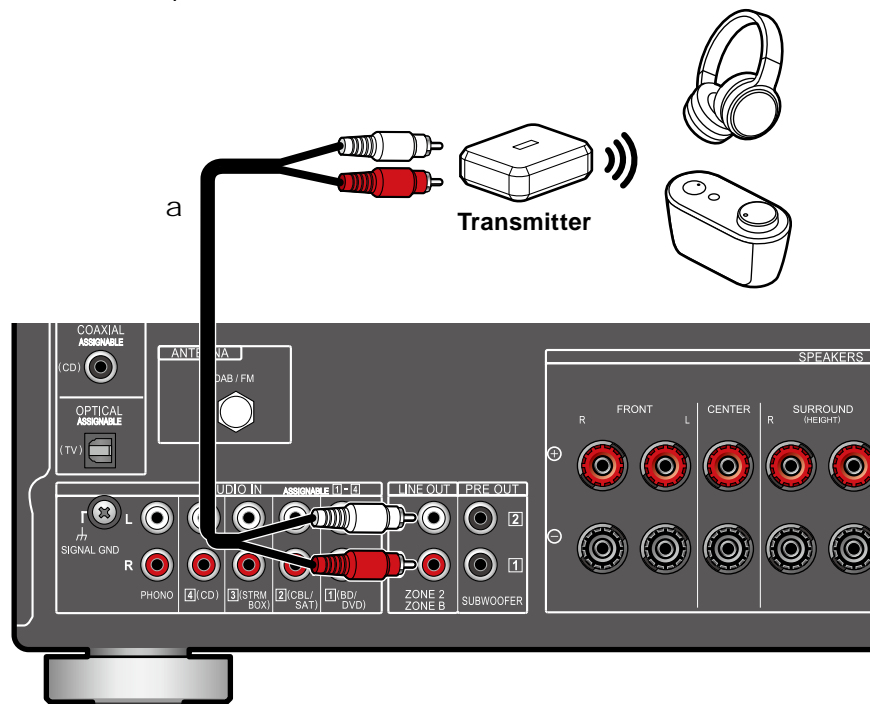


Connecting a transmitter for playback

When you connect wireless headphones or a wireless speaker transmitter to the ZONE B LINE OUT terminal of this unit, you can play back the same source through the wireless headphones or wireless speakers as in the main room.

Connections

1. Use an analog audio cable to connect the ZONE B LINE OUT terminal on this unit to the input terminal on the transmitter.



a Analog audio cable

Setting Up

1. Press **Home** on the remote controller to display the Home screen, then set "System Setup" - "Speaker" - "Configuration" - "Zone 2 Lineout" (→ [p115](#)) to "Zone B".

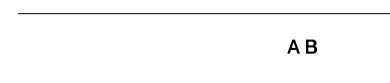
Playing Back

1. Press the **Audio** button on the remote controller and select "Audio" - "Zone B".
 - In the following cases, "Zone B" cannot be selected.
 - When ZONE 2 is On
 - When "System Setup" - "Speaker" - "Configuration" - "Zone 2 Lineout" on the Home screen is set to "Zone 2" (→ [p115](#))
2. Select an audio output destination.

Off: Outputs audio only to ZONE A. "A" on the display of the main unit lights up.

On (A+B): Outputs audio to both ZONE A and ZONE B. "A" and "B" on the display of the main unit light up.

On (B): Outputs audio only to ZONE B. "B" on the display of the main unit lights up.



3. Start play on the AV component.
4. Adjust the volume on the transmitter, etc., in ZONE B.
 - When "Zone 2 Lineout" is set to "Zone B" and "Audio" - "Zone B" at AV Adjust is set to "On (A+B)", the output of ZONE A is as shown below.
 - The tone cannot be adjusted.
 - There will be no effect for the surround back speakers from "System Setup" - "Speaker" - "Distance" (→ [p117](#)) in the Home screen.
 - If "On (A+B)" is selected as an audio output destination, you can select only the "Stereo" listening mode for ZONE A when using the 2.1 ch speaker layout.



When using a speaker layout of 3.1 ch or more, you can select only the "Ext. Stereo" listening mode.





System Setup	108
MCACC	130
Network/Bluetooth	134
Web Setup	141
Initial Setup with Auto Start-up Wizard	142
Pioneer Remote App	145



System Setup

Use the on-screen displays (OSD) that appear on the TV to make the settings.

Press **Home** on the remote controller to display the Home screen, then select System Setup with the cursors on the remote controller and press ENTER.

Select the item with the cursor **▲/▼/◀/▶** buttons of the remote controller and press ENTER to confirm your selection.

Use the cursors **◀/▶** to change the default values.

- To return to the previous screen, press **↶**.
- To exit the settings, press **Home**.



Menu list

Input/Output Assign	TV Out / OSD	Make settings for TV output and On-Screen Displays (OSD) that appear on the TV.	p110
	HDMI Input	Change input assignment between the input selectors and HDMI IN jacks.	p112
	Digital Audio Input	Change input assignment between the input selectors and DIGITAL AUDIO IN COAXIAL/OPTICAL jacks.	p112
	Analog Audio Input	Change input assignment between the input selectors and AUDIO IN jacks.	p113
	Input Skip	You can skip inputs to which nothing is connected when selecting them with the INPUT SELECTOR dial on the main unit or with the INPUT SELECT button on the remote controller.	p113
	PERSONAL PRESET Information	Confirm the registered contents of 1 to 3 buttons of PERSONAL PRESET.	p114
Speaker	Configuration	Change the settings of connection environment of the speakers.	p115
	Crossover	Change the settings of crossover frequencies.	p116
	Distance	Set the distance from each speaker to the listening position.	p117
	Channel Level	Adjust the volume level of each speaker.	p117
	Dolby Enabled Speaker	Change the settings of Dolby Enabled Speakers.	p118
	Speaker Virtualizer	The Speaker Virtualizer function can be switched between On and Off.	p118
Audio Adjust	Dual Mono/Mono	Change the settings of multiplex audio playback.	p119
	Dolby	Change the setting of when Dolby signals are input.	p119
	DTS	Change the setting of when DTS signals are input.	p119
	Volume	Change the Volume settings.	p120



Source	Input Volume Absorber	Adjust the volume level when there are differences in volume level among multiple devices connected to this unit.	p121
	Name Edit	Set an easy name for each input.	p121
	Audio Select	Select the priority for input selection when multiple audio sources are connected to one input selector.	p122
Hardware	HDMI	Change the settings of the HDMI function.	p123
	Power Management	Change the settings for the power-save function.	p124
	Works with SONOS	Change the settings to connect with the Sonos Connect.	p126
Multi Zone	Zone 2	Change the settings for Zone 2.	p127
	Remote Play Zone	Change the settings for remote play.	p127
Miscellaneous	Tuner	Change the settings for Tuner.	p128
	Remote ID	Change the remote controller ID.	p128
	Firmware Update	Change the settings for Firmware Update.	p129
	Initial Setup	Make the initial setup from the setup menu.	p129
	Lock	Lock the Setup menu so that the settings cannot be changed.	p129
	Factory Reset	All the settings are restored to factory defaults.	p129



Input/Output Assign

■ TV Out / OSD

Make settings for TV output and On-Screen Displays (OSD) that appear on the TV.

□ HDMI Out (Default Value: MAIN)

Select the HDMI jack to be connected with the TV.

- If devices with different resolutions are connected to HDMI OUT MAIN jack and SUB jack, images are output with the lower resolution.

MAIN	When connecting the TV to the HDMI OUT MAIN jack
SUB	When connecting the TV to the HDMI OUT SUB jack
MAIN+SUB	When connecting to both the MAIN and SUB jacks

□ Dolby Vision (Default Value: MAIN)

To output Dolby Vision video from the player to a TV that supports Dolby Vision, select either the HDMI OUT MAIN jack or HDMI OUT SUB jack to which the Dolby Vision-supported TV is connected. This setting is only necessary if you have set "HDMI Out" to "MAIN+SUB" and you have connected a TV to both the MAIN and SUB jacks.

MAIN	To output Dolby Vision video to a Dolby Vision-supported TV connected to the HDMI OUT MAIN jack
SUB	To output Dolby Vision video to a Dolby Vision-supported TV connected to the HDMI OUT SUB jack
Off	After selecting "MAIN" or "SUB", if the video on the TV does not appear correctly

□ Upscaling (Default Value: Off)

When using a TV that supports 4K/8K, video signals input at 1080p can be automatically upscaled to 4K/8K for output. Video signals that are input at 4K can also automatically be output as 8K. Note that to output as 8K, set "HDMI 4K/8K Signal Format" (→p111) to "8K Standard" or "8K Enhanced", and you need to connect to a TV that is compatible with the 8K signal format with an HDMI cable.

- If the TV does not support the 4K/8K resolution with the same frequency as the frequency of HDMI input video signals, upscaling to 4K or 8K is not correctly performed. Check the frequency of 4K/8K resolution supported by the TV, and change the resolution of the video signals input from the AV component.

Off	When this function is not used <ul style="list-style-type: none"> • Select "Off" if your TV does not support 4K/8K.
Auto	When this function is used

□ Super Resolution (Default Value: 2)

When you have set "Upscaling" to "Auto", you can select the degree of video signal correction from "Off" and between "1" (weak) and "3" (strong).



Input/Output Assign

HDMI 4K/8K Signal Format

Set the 4K/8K signal format input and output by this unit. Set to suit the TV or player connected.

- The corresponding resolution is different depending on the HDMI jack connected. See "Corresponding input resolutions" (→[p176](#)) for details.

BD/DVD	(Default Value: 4K Enhanced)
GAME	(Default Value: 4K Enhanced)
CBL/SAT	(Default Value: 4K Enhanced)
STRM BOX	(Default Value: 4K Enhanced)
CD	(Default Value: 4K Enhanced)
TV	(Default Value: 4K Enhanced)

4K Standard	When using a High Speed HDMI Cable that supports 10.2 Gbps to connect a TV or player compatible with standard 4K signal formats (4K 30Hz, etc.)
4K Enhanced	When using a Premium High Speed HDMI Cable that supports 18 Gbps to connect a TV or player compatible with high-definition 4K signal formats (4K 60Hz, 4K HDR, etc.) <ul style="list-style-type: none"> There may be some image disruption depending on the connected component and the HDMI cable. If this occurs, switch to "4K Standard".
8K Standard	When using a PREMIUM High Speed HDMI Cable that supports 18 Gbps to connect a TV or player compatible with 4K 120Hz, 5K 30Hz, or 8K 30Hz signal formats
8K Enhanced	When using an ULTRA High Speed HDMI Cable that supports 48 Gbps to connect a TV or player compatible with 5K 60Hz or 8K 60Hz signal formats

Zone 2 HDMI (Default Value: Not Use)

Make the setting when you output to the Zone 2 TV connected to the HDMI OUT SUB/ZONE 2 jack.

Use	Enable this function
Not Use	Disable this function <ul style="list-style-type: none"> When video and audio via HDMI input are output to ZONE 2, set to "Use".

OSD Language (Default Value: English)

Select the on-screen display language from the following.

(North American models) English, German, French, Spanish, Italian, Dutch, Swedish
(European, Australian and Asian models) English, German, French, Spanish, Italian, Dutch, Swedish, Russian, Chinese

Impose OSD (Default Value: On)

Set whether or not to display information such as volume adjustment or switching of input on the TV screen.

On	OSD is displayed on the TV <ul style="list-style-type: none"> OSD may not be displayed depending on the input signal even if "On" is selected. In this case, change the resolution of the connected device.
Off	OSD is not displayed on the TV

Screen Saver (Default Value: 3 minutes)

Set the time to start the screen saver.

Select a value from "3 minutes", "5 minutes", "10 minutes" and "Off".



Input/Output Assign

■ HDMI Input

Change input assignment between the input selectors and HDMI IN jacks.

- BD/DVD** (Default Value: HDMI 1 (HDCP 2.3))
- GAME** (Default Value: HDMI 2 (HDCP 2.3))
- CBL/SAT** (Default Value: HDMI 3 (HDCP 2.3))
- STRM BOX** (Default Value: HDMI 4 (HDCP 2.3))

"HDMI 1 (HDCP 2.3)" to "HDMI 4 (HDCP 2.3)":

Assign any HDMI IN jack to each of the input selectors. If you do not assign a jack, select "---". To select an HDMI IN jack already assigned to another input selector, change its setting to "---" first.

■ Digital Audio Input

Change input assignment between the input selectors and DIGITAL AUDIO IN COAXIAL/OPTICAL jacks. If you do not assign a jack, select "---".

- BD/DVD** (Default Value: ---)
- GAME** (Default Value: ---)
- CBL/SAT** (Default Value: ---)
- STRM BOX** (Default Value: ---)
- CD** (Default Value: COAXIAL)
- TV** (Default Value: OPTICAL)

COAXIAL, OPTICAL	Assign the COAXIAL terminal or OPTICAL terminal to any input selector.
---------------------	--

- Supported sampling rates for PCM signals (stereo, mono) from a digital input are 32 kHz, 44.1 kHz, 48 kHz, 88.2 kHz, 96 kHz/16 bit, 20 bit, and 24 bit.



Input/Output Assign

■ Analog Audio Input

Change input assignment between the input selectors and AUDIO IN jacks. If you do not assign a jack, select "---".

- BD/DVD** (Default Value: AUDIO 1)
- GAME** (Default Value: ---)
- CBL/SAT** (Default Value: AUDIO 2)
- STRM BOX** (Default Value: AUDIO 3)
- CD** (Default Value: AUDIO 4)
- TV** (Default Value: ---)

AUDIO 1, AUDIO 2, AUDIO 3, AUDIO 4	Assign the AUDIO IN terminal to any input selector.
---	---

■ Input Skip

You can skip inputs to which nothing is connected when selecting them with the INPUT SELECTOR dial on the main unit or with the INPUT SELECT button on the remote controller.

- BD/DVD** (Default Value: Use)
- GAME** (Default Value: Use)
- CBL/SAT** (Default Value: Use)
- STRM BOX** (Default Value: Use)
- HDMI 5** (Default Value: Use)
- HDIM 6** (Default Value: Use)
- AUX** (Default Value: Use)
- CD** (Default Value: Use)
- TV** (Default Value: Use)
- PHONO** (Default Value: Use)
- TUNER** (Default Value: Use)
- NET** (Default Value: Use)
- USB Front** (Default Value: Use)
- USB Rear** (Default Value: Use)
- BLUETOOTH** (Default Value: Use)

Use	Use this input.
Skip	Skip this input.



Input/Output Assign

■ PERSONAL PRESET Information

Confirm the registered contents of 1 to 3 buttons of PERSONAL PRESET. The registered settings are displayed in the list.

□ Preset (Default Value: Preset 1)

Selects a preset number from among "Preset 1", "Preset 2" and "Preset 3".

(Main)

Setting Item	Default Value	Setting Details
Input Selector	---	Displays the input selector that has been set.
HDMI Out	---	Displays the output destination (HDMI) that has been set.
NetworkService	---	Displays the set network service and station name.
Band/Station	---	Displays the set "AM", "FM" or "DAB" band and the Preset Name for the station.
Listening Mode	---	Displays the listening mode that has been set.
Volume	---	Displays the volume level that has been set. (Upper limit "0.0 dB")
Multi Zone	---	Displays the output destination (Multi Zone) that has been set.

- "Band/Station" is displayed only when the input selector is set to "TUNER".
- "Station" is displayed only when the input selector is set to "TUNER" or "NET".
- "Network Service" is displayed only when the input selector is set to "NET".
- Preset Name of "Band/Station" (only when the input selector is set to "TUNER") is displayed with the name set by "Source" - "Name Edit". If the name is not set, the frequency of the radio station is displayed instead.

(Zone 2)

Setting Item	Default Value	Setting Details
Input Selector	---	Displays the input selector that has been set.
NetworkService	---	Displays the network service that has been set.
Band	---	Displays the band, "AM", "FM" or "DAB" that has been set.
Station	---	Displays the preset name of the radio station that has been set.

- "Band" is displayed only when the input selector is set to "TUNER".
- "Station" is displayed only when the input selector is set to "TUNER" or "NET".
- "Network Service" is displayed only when the input selector is set to "NET".
- Preset Name of "Station" (only when the input selector is set to "TUNER") is displayed with the name set by "Source" - "Name Edit". If the name is not set, the frequency of the radio station is displayed instead.



Speaker

■ Configuration

Change the settings of connection environment of the speakers.

❑ Speaker Channels (Default Value: 7.1 ch)

Select "2.1 ch", "3.1 ch", "4.1 ch", "5.1 ch", "6.1 ch", "7.1 ch", "2.1.2 ch", "3.1.2 ch", "4.1.2 ch", or "5.1.2 ch" to suit the number of speaker channels connected.

❑ Subwoofer (Default Value: Yes)

Set whether a subwoofer is connected or not.

Yes	When a subwoofer is connected
No	When a subwoofer is not connected

❑ Height Speaker (Default Value: Top Middle)

Set the speaker type if height speakers are connected. Select "Top Middle", "Top Rear", "Rear High", "Dolby Speaker (Front)", "Dolby Speaker (Surr)", "Front High" or "Top Front" according to the type and layout of the connected speakers.

- If an item cannot be selected even though connection is correct, check that the settings in "Speaker Channels" matches the number of connected channels.

❑ Zone Speaker (Default Value: No)

Set the connection of speakers to Zone 2 speaker terminals.

- This setting cannot be selected when "Zone 2 Lineout" is set to "Zone B".

Zone 2	When speakers are connected to Zone 2 speaker terminals
No	When speakers are not connected to Zone 2 speaker terminals

❑ Zone 2 Lineout (Default Value: Zone 2)

Set an output destination of the audio output from ZONE 2 LINE OUT/ZONE B LINE OUT jack.

- This setting is fixed to "Zone 2" when "Zone Speaker" is set to "Zone 2".

Zone 2	When connecting an integrated amplifier in a separate room (ZONE 2)
Zone B	When connecting an integrated amplifier, transmitter of wireless headphones, etc. to ZONE B

❑ Bi-Amp (Default Value: No)

Set whether the front speakers are bi-amp connected.

- This setting cannot be selected when surround back speakers or height speakers (4.1.2 ch, 5.1.2 ch) are installed.

No	When front speakers are not bi-amp connected
Yes	When front speakers are bi-amp connected • This setting is fixed to "No" if "Zone Speaker" is set to "Zone 2".

❑ Speaker Impedance (Default Value: 6 ohms or above)

Set the impedance (Ω) of the connected speakers.

- For impedance, check the indications on the back of the speakers or their instruction manual.

4ohms	When any of the connected speakers have 4 Ω or more to less than 6 Ω impedance
6 ohms or above	When the connected speakers all have 6 Ω or more impedance



Speaker

■ Crossover

Change the settings of crossover frequencies.

- Front** (Default Value: Small)
- Center** (Default Value: Small)
- Height** (Default Value: Small)
- Surround** (Default Value: Small)
- Surround Back** (Default Value: Small)
- Crossover** (Default Value: 80 Hz)
- Double Bass** (Default Value: On)

Front:

Set according to the speakers to be used.

"Small": When not using floor standing front speakers.

"Large": When using floor standing front speakers.

- If "Configuration" - "Subwoofer" is set to "No", "Front" will be fixed to "Large" and the low pitched range of the other channels will be output from the front speakers. Refer to the instruction manual of your speakers to make the setting.

Center, Height, Surround:

Set according to the speakers to be used.

"Small": When speaker where the speaker diameter is 16 cm or less are to be used.

"Large": When speaker where the speaker diameter is larger than 16 cm are to be used.

- When "Front" is set to "Small", this is set to "Small".
- If an item cannot be selected even though connection is correct, check that the settings in "Configuration" - "Speaker Channels" matches the number of connected channels.

Surround Back:

Set according to the speakers to be used.

"Small": When speaker where the speaker diameter is 16 cm or less are to be used.

"Large": When speaker where the speaker diameter is larger than 16 cm are to be used.

- When "Surround" is set to "Small", this is set to "Small".
- If an item cannot be selected even though connection is correct, check that the settings in "Configuration" - "Speaker Channels" matches the number of connected channels.

Crossover:

When there are speakers that have been set to "Small", set the Hz under which you would like other speakers to play bass, and also set Hz under which you would like the LFE (low frequency effect) to play the bass.

The value from "50 Hz" to "200 Hz" can be set.

Double Bass:

This can be selected only when "Configuration" - "Subwoofer" is set to "Yes" and "Front" is set to "Large".

Boost bass output by feeding bass sounds from the front left and right speakers and the center speaker to the subwoofer.

"On": Bass output will be boosted

"Off": Bass output will not be boosted

- The setting will not automatically be configured even if you performed Full Auto MCACC.



Speaker

■ Distance

Set the distance from each speaker to the listening position.

- Front Left** (Default Value: 10.0 ft/3.00 m)
- Center** (Default Value: 10.0 ft/3.00 m)
- Front Right** (Default Value: 10.0 ft/3.00 m)
- Height Left** (Default Value: 10.0 ft/3.00 m)
- Height Right** (Default Value: 10.0 ft/3.00 m)
- Surround Right** (Default Value: 10.0 ft/3.00 m)
- Surr Back Right** (Default Value: 10.0 ft/3.00 m)
- Surr Back Left** (Default Value: 10.0 ft/3.00 m)
- Surround Left** (Default Value: 10.0 ft/3.00 m)
- Subwoofer** (Default Value: 10.0 ft/3.00 m)

- The unit of distance can be changed by pressing the MODE button on the remote controller. When using the unit "feet", the setting is available in increments of 0.1 ft from 0.1 ft to 30.0 ft. When using the unit "meter", the setting is available in increments of 0.03 m from 0.03 m to 9.00 m.

(Height Left, Height Right, Surr Back Right, Surr Back Left):

- The setting cannot be changed if "Configuration" - "Zone Speaker" is set to "Zone 2" and Zone 2 is on.

■ Channel Level

Adjust the volume level of each speaker.

- Front Left** (Default Value: 0.0 dB)
- Center** (Default Value: 0.0 dB)
- Front Right** (Default Value: 0.0 dB)
- Height Left** (Default Value: 0.0 dB)
- Height Right** (Default Value: 0.0 dB)
- Surround Right** (Default Value: 0.0 dB)
- Surr Back Right** (Default Value: 0.0 dB)
- Surr Back Left** (Default Value: 0.0 dB)
- Surround Left** (Default Value: 0.0 dB)
- Subwoofer** (Default Value: 0.0 dB)

Select a value between "-12.0 dB" and "+12.0 dB" ("-15.0 dB" and "+12.0 dB" for Subwoofer) (in 0.5 dB increments). A test tone will be output each time you change the value. Select the desired level.

(Height Left, Height Right, Surr Back Right, Surr Back Left):

- The setting cannot be changed if "Configuration" - "Zone Speaker" is set to "Zone 2" and Zone 2 is on.



Speaker

■ Dolby Enabled Speaker

Change the settings of Dolby Enabled Speakers.

- This setting can be selected when "Configuration" - "Height Speaker" is set to "Dolby Speaker".

□ Distance from the ceiling (Default Value: 6.0 ft/1.80 m)

Set the distance between the Dolby Enabled Speaker and the ceiling. Select between "0.1 ft"/"0.03 m" and "15.0 ft"/"4.50 m" ("0.1 ft"/"0.03 m" units).

- The unit of distance (ft/m) is displayed using the unit selected for the "Distance" setting.

□ Reflex Optimizer (Default Value: Off)

You can enhance the reflection effect of Dolby Enabled Speakers from the ceiling.

- The function is not effective if the listening mode is Pure Direct.

Off	When this function is not used
On	When this function is used

■ Speaker Virtualizer

The Speaker Virtualizer function can be switched between On and Off.

□ Speaker Virtualizer (Default Value: On)

On	The listening mode with virtual speaker effect such as F.S.Surround can be selected.
Off	The listening mode with virtual speaker effect such as F.S.Surround cannot be selected.



Audio Adjust

■ Dual Mono/Mono

Change the settings of multiplex audio playback.

□ Dual Mono (Default Value: Main)

Set the audio channel or language to be output when playing multiplex audio or multilingual broadcasts, etc.

- For multiplex audio broadcasts, pressing the **i** button on the remote controller will display "1+1" on the main unit's display.

Main	Main channel only
Sub	Sub channel only
Main / Sub	Main and sub channels will be output at the same time.

□ Mono Input Channel (Default Value: Left + Right)

Set the input channel when playing back analog or 2 ch PCM signals in the Mono listening mode.

Left	Left channel only
Right	Right channel only
Left + Right	Left and right channels

■ Dolby

Change the setting of when Dolby signals are input.

□ Loudness Management (Default Value: On)

When playing Dolby TrueHD, enable the dialog normalization function which keeps the volume of dialog at a certain level. Note that when this setting is "Off", the Midnight function that allows you to enjoy surround at low volumes is fixed to "Off" when playing Dolby Digital Plus/Dolby TrueHD.

On	When this function is used
Off	When this function is not used

□ Center Spread (Default Value: Off)

Adjust the width of the front sound field created when playing back with the Dolby Audio - Surr listening mode.

- Depending on the speaker settings, "Off" is applied.

On	The sound field is spread to left and right.
Off	The sound field is centralized.

■ DTS

Change the setting of when DTS signals are input.

□ Dialog Control (Default Value: 0 dB)

You can increase the volume of dialog portion of the audio up to 6 dB by 1 dB step so that you can hear the dialog easily in noisy atmosphere.

- This cannot be set for content other than DTS:X.
- Depending on the content, this function may not be selected.



Audio Adjust

■ Volume

Change the Volume settings.

□ Mute Level (Default Value: $-\infty$ dB)

Set the volume lowered from the listening volume when muting is on. Select a value from " $-\infty$ dB", "-40 dB" and "-20 dB".

□ Volume Limit (Default Value: Off)

Set the maximum value to prevent the volume from becoming too loud. Select a value from "Off", "-32 dB" to "+17 dB".

□ Power On Level (Default Value: Last)

Set the volume level of when the power is turned on. Select a value from "Last" (Volume level before entering standby mode), " $-\infty$ dB", and "-81.5 dB" to "+18.0 dB".

- You cannot set a higher value than that of "Volume Limit".

□ Headphone Level (Default Value: 0.0 dB)

Adjust the output level of headphones. Select a value between "-12.0 dB" and "+12.0 dB".



Source

■ Input Volume Absorber

Adjust the volume level when there are differences in volume level among multiple devices connected to this unit. Select the input selector to make the setting.

□ Input Volume Absorber (Default Value: 0.0 dB)

Select a value between "-12.0 dB" and "+12.0 dB". Set a negative value if the volume of the target device is larger than the others and a positive value if smaller. To check the audio, play back the connected device.

- This function is not effective in Zone 2.

■ Name Edit

Set an easy name for each input. The set name appears on the main unit's display. Select the input selector to make the setting.

□ Name Edit (Default Value: Input name)

1. Select a character or symbol with the cursors, and press ENTER.
Repeat this operation to input up to 10 characters.
"A/a": Switches between upper and lower cases. (Pressing MODE on the remote controller also toggles between upper and lower cases)
"←" "→": Moves the cursor in the arrow direction.
"⌫": Removes a character on the left of the cursor.
"␣": Enters a space.
 - Pressing CLEAR on the remote controller will remove all the input characters.
 2. After inputting, select "OK" with the cursors, and press ENTER.
The input name will be saved.
To restore the name to the default value, press CLEAR on the remote controller on the input screen. Then while nothing is entered, select "OK", and press ENTER.
- To name a preset radio station, press TUNER on the remote controller, select AM (North American, Australian and Asian models)/FM, and select the preset number. (Preset names cannot be given to DAB stations (European models))
 - This cannot be set if the "NET", "USB" or "BLUETOOTH" input is selected.



Source

■ Audio Select

Select the priority for input selection when multiple audio sources are connected to one input selector, such as connections to both the "BD/DVD" HDMI IN jack and the "BD/DVD" AUDIO IN jack. The setting can be separately set to each input selector button. Select the input selector to configure. Note that there are some default values you cannot change.

- BD/DVD** (Default Value: HDMI)
- GAME** (Default Value: HDMI)
- CBL/SAT** (Default Value: HDMI)
- STRM BOX** (Default Value: HDMI)
- CD** (Default Value: COAXIAL)
- TV** (Default Value: OPTICAL)
- PHONO** (Default Value: Analog)

ARC	When giving priority to input signal from ARC compatible TV. <ul style="list-style-type: none"> • This item can be selected only when "Hardware" - "HDMI" - "Audio Return Channel (eARC supported)" is set to "On" and also the "TV" input is selected.
HDMI	When giving priority to input signal from HDMI IN jacks <ul style="list-style-type: none"> • This item can be selected only when the input to be set is assigned to the HDMI jack in the "Input/Output Assign" - "HDMI Input" setting.
COAXIAL	When giving priority to input signal from DIGITAL AUDIO IN COAXIAL jacks <ul style="list-style-type: none"> • This item can be selected only when the input to be set is assigned to the COAXIAL jack in the "Input/Output Assign" - "Digital Audio Input" setting.
OPTICAL	When giving priority to input signal from DIGITAL AUDIO IN OPTICAL jacks <ul style="list-style-type: none"> • This item can be selected only when the input to be set is assigned to the OPTICAL jack in the "Input/Output Assign" - "Digital Audio Input" setting.

Analog	When giving priority to the input signal from AUDIO IN jacks <ul style="list-style-type: none"> • This item can be selected only when the input to be set is assigned to the AUDIO IN jack in the "Input/Output Assign" - "Analog Audio Input" setting.
--------	---

Fixed PCM (Default Value: Off)

Select whether to fix input signals to PCM (except multi-channel PCM) when you select "HDMI", "COAXIAL", or "OPTICAL" in the "Audio Select" setting. Set this item to "On" if noise is produced or truncation occurs at the beginning of a track when playing PCM sources. Select "Off" normally.

- Each time the "Audio Select" setting is changed, the setting is restored to "Off".
- The setting cannot be changed when "TUNER", "NET", "USB", or "BLUETOOTH" input is selected.



Hardware

■ HDMI

Change the settings of the HDMI function.

□ HDMI CEC (Default Value: On)

Setting this to "On" enables the input selection link and other link functions with HDMI-connected CEC-compatible device.

When this setting is changed, turn off and then on again the power of all connected devices.

- Depending on the TV to use, a link setting may be required on the TV.
- This function is effective only when the device is connected to the HDMI OUT MAIN terminal.
- Setting this to "On" and closing the operation screen will display the name of the connected CEC-compatible device and "CEC On" on the main unit's display.
- When this function is set to "On", the power consumption in standby state increases, however, the increase in power consumption is minimized by automatically entering the HYBRID STANDBY mode where only the essential circuits operate.
- If you operate the MASTER VOLUME dial on the main unit when this setting is "On" and audio is output from the TV speakers, audio will be output also from the speakers connected to this unit. To output audio from only either of them, change the setting of this unit or TV, or reduce the volume of this unit.
- If abnormal behavior is observed when this is set to "On", set it to "Off".
- If a connected device is not CEC-compatible, or if you are not sure whether it is compatible, set it to "Off".

On	When this function is used
Off	When this function is not used

□ HDMI Standby Through (Default Value: Auto (Eco))

When this is set to anything other than "Off", you can play the video and audio of an HDMI-connected player on the TV even if the unit is in standby mode. Also, only "Auto" and "Auto (Eco)" can be selected if "HDMI CEC" is set to "On". If you select anything else, set "HDMI CEC" to "Off".

- When this function is set to a value other than "Off", the power consumption in standby state increases, however, the increase in power consumption is minimized by automatically entering the HYBRID STANDBY mode where only the essential circuits operate.
- To play a non-CEC compliant player on the TV, turn the unit on and switch the input.
- When using a CEC-compliant TV, you can reduce the power consumption in standby mode by selecting "Auto (Eco)".

Off	When this function is not used
BD/DVD, GAME, CBL/SAT, STRM BOX, HDMI 5, HDMI 6	For example, if you select "BD/DVD", you can play the equipment connected to the "BD/DVD" jack on the TV even if the unit is in standby mode. Select this setting if you have decided which player to use with this function.
Last	You can play on the TV the video and audio of the input selected immediately before the unit is switched to standby.
Auto, Auto (Eco)	Select one of these settings when you have connected equipment that conforms to the CEC standard. You can play the video and audio of the input selected on the TV, irrespective of what input was selected immediately prior to the unit being switched to standby, using the CEC link function.



Hardware

❑ Audio TV Out (Default Value: Auto)

You can enjoy audio through the speakers of the TV while this unit is on.

- The setting is fixed to "Auto" if "HDMI CEC" is set to "On". If you change this setting, set "HDMI CEC" to "Off".
- Listening mode cannot be changed while "Audio TV Out" is set to "On" and audio is being output from the TV.
- Depending on your TV or input signal of the connected device, audio may not be output from the TV even if this is set to "On". In such a case, audio is output from the speakers of the unit.
- Audio is output from this unit if you operate the MASTER VOLUME dial on this unit when audio that is input to this unit is output from your TV speakers. If you do not want to output audio, change the setting of this unit or TV, or reduce the volume of this unit.

On	When this function is used
Off	When this function is not used
Auto	When the "HDMI Out" setting is "MAIN" or "MAIN+SUB" and the "HDMI CEC" setting is "On", the setting is fixed to "Auto". With "Auto", when audio is output from the TV speakers, audio is not output from the speakers of this unit, and when audio is output from the speakers of this unit, audio is not output from the TV speakers. <ul style="list-style-type: none"> • If the HDMI CEC setting is off on the TV, there may be audio output from both the TV speakers and the speakers of this unit.

❑ Audio Return Channel (eARC supported) (Default Value: On)

You can enjoy the sound of an HDMI-connected ARC-compatible TV or eARC-compatible TV through the speakers connected to the unit.

On	When enjoying the TV sound through the speakers connected to the unit
Off	When the ARC function or eARC function is not used

❑ Auto Delay (Default Value: On)

Automatically corrects desynchronization between the video and audio signals based on the information from the HDMI Lip-Sync-compatible TV.

On	When enabling the automatic correction function
Off	When not using the automatic correction function

■ Power Management

Change the settings for the power-save function.

❑ Sleep Timer (Default Value: Off)

30 minutes, 60 minutes, 90 minutes	You can allow the unit to enter standby automatically when the specified time elapsed. Select a value from "30 minutes", "60 minutes" and "90 minutes".
Off	Does not turn the unit to standby automatically.

❑ Auto Standby (Default Value: On)

This setting allows the unit to enter standby mode automatically after 20 minutes of inactivity without any video or audio input. (When "USB Power Out at Standby" or "Network Standby" is enabled, the unit enters the HYBRID STANDBY mode which minimizes the increase in power consumption.)

On	The unit will automatically enter standby mode ("AUTO STBY" will light). <ul style="list-style-type: none"> • "Auto Standby" is displayed on the main unit's display and TV screen 30 seconds before entering standby mode. • "Auto Standby" does not work when Zone 2 is active.
Off	The unit will not automatically enter standby mode.



Hardware

❑ Auto Standby in HDMI Standby Through (Default Value: On)

Enable or disable "Auto Standby" while "HDMI Standby Through" is on.

On	The setting will be enabled. <ul style="list-style-type: none"> This setting cannot be set to "On" if "Auto Standby" and "HDMI Standby Through" are set to "Off".
Off	The setting will be disabled.

❑ USB Power Out at Standby (Default Value: Off)

Devices connected to the USB port (5 V/1 A) on the rear of the unit can be supplied with electricity even when this unit is in standby mode when this function is "On".

- Supply of power to USB devices in the standby mode is not supported for the USB port on the front panel.
- When this function is set to "On", the power consumption in standby state increases, however, the increase in power consumption is minimized by automatically entering the HYBRID STANDBY mode where only the essential circuits operate.

❑ Network Standby (Default Value: On)

When this function is set to "On", the network function works even in standby state, and you can turn on the power of the unit via network using an application such as Pioneer Remote App that can control this unit.

- When this function is set to "On", the power consumption in standby state increases, however, the increase in power consumption is minimized by automatically entering the HYBRID STANDBY mode where only the essential circuits operate.

Note that even if this function is set to "Off", when any of the HDMI CEC (→p123), HDMI Standby Through (→p123), USB Power Out at Standby (→p125) and Bluetooth Wakeup (→p125) functions is enabled, this function will be in "On" state regardless of the setting.

- When connection to the network is lost, "Network Standby" may be disabled to reduce power consumption. In such a case, turn the unit on by using the power button on the remote controller or main unit.

❑ Bluetooth Wakeup (Default Value: Off)

This function wakes up the unit on standby by connecting a BLUETOOTH enabled device.

On	When this function is used <ul style="list-style-type: none"> When this function is set to "On", the power consumption in standby state increases, however, the increase in power consumption is minimized by automatically entering the HYBRID STANDBY mode where only the essential circuits operate.
Off	When this function is not used <ul style="list-style-type: none"> This setting is fixed to "Off" if "Network/Bluetooth" - "Bluetooth" - "Bluetooth Receiver" is set to "Off". This setting is also fixed to "Off" if "Network/Bluetooth" - "Bluetooth" - "Bluetooth Receiver" - "Auto Input Change" is set to "Off".

- Wait for a while if "Network Standby" and "Bluetooth Wakeup" cannot be selected. It can be selected when the network function is activated.



Hardware

■ Works with SONOS

Change the settings to connect with the Sonos Connect.

(SONOS-1/SONOS-2)

□ Input Selector (Default Value: Off)

Select the input selector to which the Sonos Connect is connected.

- Selecting "Off" disables the interlock function with Sonos.

□ Connected Device (Default Value: -)

Displays the Sonos Connect connected to the same network as the network of this unit. Press the ENTER button to select the connected Sonos Connect.

- Products (e.g. Play:3 unequipped with an output terminal) other than the Sonos Connect are also displayed in the device list and selectable. In that case, when playback on the Sonos side starts, the input is switched, however, audio is not output. Select the room name of the connected Sonos Connect.
- Up to 32 devices can be displayed on the Sonos product list screen. If you cannot find the Sonos Connect to be interlocked, return to the previous screen, turn off the product you do not want to interlock, and try again.
- To use this function, set "Input Selector" beforehand.

□ Output Zone (Default Value: Main)

Select the zone where you want to listen to the music.

- To use this function, set "Input Selector" beforehand.

Main	Outputs audio only to the main room (where this unit is located).
Zone 2	Outputs audio only to the separate room (ZONE 2).
Main/Zone 2	Outputs audio to both the main room and separate room.

□ Preset Volume (Default Value: Main=Last / Zone 2=Last)

You can set the volume beforehand for playing back the Sonos Connect. You can set volumes for the main room (where this unit is located) and separate room (ZONE 2) respectively. Select a value from "Last" (Volume level before entering standby mode), "-∞ dB", and "-81.5 dB" to "+18.0 dB".

- To use this function, set "Input Selector" beforehand.



Multi Zone

■ Zone 2

Change the settings for Zone 2.

❑ Volume Limit (Default Value: Off)

Set the maximum value for Zone 2 to avoid too high volume. Select "Off" or a value between "-32 dB" and "+17 dB".

❑ Power On Level (Default Value: Last)

Set the Zone 2 volume level of when this unit is turned on. Select a value from "Last" (Volume level when the unit was turned off), " $-\infty$ dB", and "-81.5 dB" to "+18.0 dB".

- You cannot set a higher value than that of "Volume Limit".

❑ Sound Check (Default Value: -)

Output test tones to ZONE 2 to enjoy audio in a separate room (ZONE 2) in addition to the main room.

Press ENTER while "Start" is being displayed. Operate by following the on screen displays.

■ Remote Play Zone

Change the settings for remote play.

❑ Remote Play Zone (Default Value: Auto)

When playing with AirPlay or Spotify Connect, or when using the Music Server function to play remotely from your PC, you can set whether to play in the main room (where this unit is located) or in a separate room (ZONE 2).

Auto	When the main room input is NET, music is played in the main room. When the separate room input is NET and the main room input is other than NET, then the music is played in the separate room.
Main, Zone 2	Select when limiting the play zone to a particular room. For example, when playing only in the separate room, select "Zone 2".

- This function may not work if playback is already proceeding with the same network function.



Miscellaneous

■ Tuner

Change the settings for Tuner.

❑ AM/FM Frequency Step (North American models) (Default Value: 10 kHz / 0.2 MHz)

Select a frequency step to suit your residential area.

Select "10 kHz/0.2 MHz" or "9 kHz/0.05 MHz".

- When this setting is changed, all radio presets are deleted.

❑ AM Frequency Step (Australian and Asian models) (Default Value: 9 kHz)

Select a frequency step to suit your residential area.

Select "10 kHz" or "9 kHz".

- When this setting is changed, all radio presets are deleted.

❑ FM Search Level (European models) (Default Value: Normal)

If automatic tuning regularly stops on FM stations with weak reception when "Normal" is selected, select "Strong" so only those FM stations with strong reception are selected.

❑ DAB Auto Scan (European models) (Default Value: -)

You can run the auto scan when new DAB stations are added or when you move house.

❑ DAB DRC (European models) (Default Value: Off)

With the DRC (Dynamic Range Control) setting, you can reduce the dynamic range of DAB digital radio so that you can still hear quiet parts even when listening at low volume levels - ideal for listening to the radio late at night when you don't want to disturb anyone.

Off	DRC off
Large	Large reduction in dynamic range
Small	Small reduction in dynamic range

■ Remote ID

Change the remote controller ID.

❑ Remote ID (Default Value: 1)

Select an ID for the unit's remote controller from "1", "2", and "3" to prevent interference between the unit and other Pioneer components that are installed in the same room. After changing the ID on the main unit, change the ID on the remote controller accordingly with the following procedure.

While pressing and holding the MODE button, press the following buttons for approx. 3 seconds.

- To change the remote controller ID to "1": AUTO/DIRECT
- To change the remote controller ID to "2": SURR
- To change the remote controller ID to "3": STEREO



Miscellaneous

■ Firmware Update

Change the settings for Firmware Update.

❑ Update Notice (Default Value: Enable)

Availability of a firmware update is notified via network.

Enable	Notify updates
Disable	Do not notify updates

❑ Version (Default Value: -)

The current firmware version is displayed.

❑ Update via NET (Default Value: -)

Press ENTER to select when updating the firmware via network.

- This setting cannot be selected if you do not have Internet access or there is no updatable firmware.

❑ Update via USB (Default Value: -)

Press ENTER to select when updating the firmware via USB.

- This setting cannot be selected if a USB storage device is not connected or there is no updatable firmware in the USB storage device.

- Wait for a while if "Firmware Update" cannot be selected. It can be selected when the network function is activated.

■ Initial Setup

Make the initial setup from the setup menu.

- Wait for a while if "Initial Setup" cannot be selected. It can be selected when the network function is activated.

■ Lock

Lock the Setup menu so that the settings cannot be changed.

❑ Setup Parameter (Default Value: Unlocked)

Lock the Setup menu so that the settings cannot be changed.

Locked	The menu is locked.
Unlocked	The menu is unlocked.

■ Factory Reset

All the settings are restored to factory defaults.

❑ Factory Reset (Default Value: -)

All the settings are restored to factory defaults.

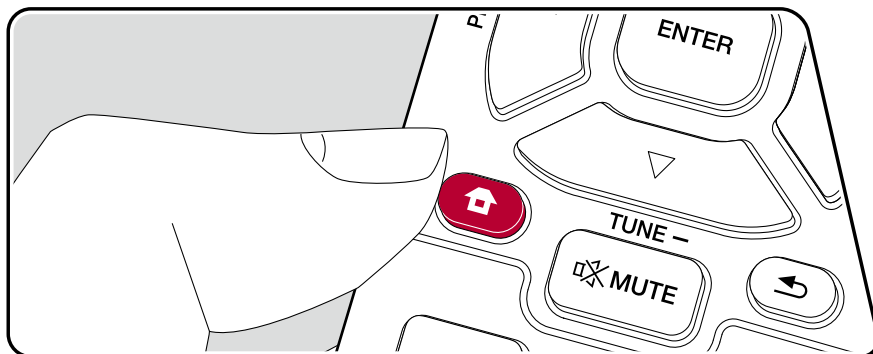
Select "Start", and press the ENTER button.

- If "Factory Reset" is performed, your settings are restored to the default values. Be sure to note down your setting contents beforehand.




MCACC





Menu operations







Setup the speakers automatically or make desired changes to the equalizer. You can also check the values set currently for each speaker setting.

Use the on-screen displays (OSD) that appear on the TV to make the settings. Press  on the remote controller to display the Home screen, then select MCACC with the cursors on the remote controller and press ENTER.



Select the item with the cursor  /  /  /  buttons of the remote controller and press ENTER to confirm your selection.

Use the cursors  /  to change the default values.

- To return to the previous screen, press .
- To exit the settings, press .



Full Auto MCACC

Place the supplied speaker setup microphone in the listening position, measure the test tones emitted by the speakers, then the unit automatically sets the optimum volume level for each speaker, the crossover frequencies, and the distance from the listening position. This also automatically adjusts the equalizers for the speakers, and enables correction of distortion caused by the acoustic environment of the room.

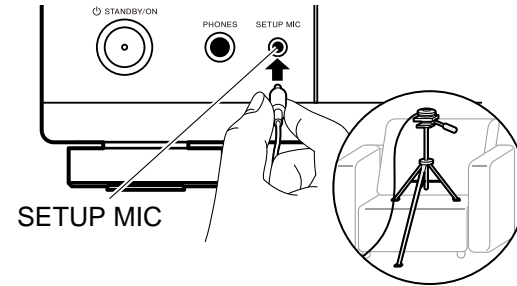
- Calibration takes between 3 and 12 minutes to be completed. The speakers emit the test tone at high volume during measurement, so be careful of your surroundings. Keep the room as quiet as possible during measurement.
- If you connect a subwoofer, check the power and volume of the subwoofer. Set the subwoofer volume to more than half.
- If the power of this unit suddenly turns off, the wires in the speaker cables have touched the rear panel or other wires, and the protection circuit is working. Twist the wires again securely, and make sure they do not stick out of the speaker terminals when connecting.

1. Select the connected speaker configuration.



Note that the image on the screen changes each time you select the number of channels in "Speaker Channels".

2. Place the supplied speaker setup microphone at the listening position, and connect it to the SETUP MIC jack on the main unit.



When placing the speaker setup microphone on a tripod, refer to the illustration.

3. Confirm a test tone is output from the subwoofer and press ENTER.
4. Press ENTER. Then, test tones are output from each speaker, and the connected speakers and the noise in the surrounding environment are automatically measured.
5. The measurement results in step 4 are displayed. If there is no problem in the detection result of the speaker, select "Next" and press ENTER to output the test tone again to automatically set the settings such as volume level, crossover frequency, etc., to their optimum. (The test tone is automatically output when 10 seconds has elapsed without any operation.)
6. When the measurement is completed, the measurement results are displayed.
You can check each setting using the cursors ◀/▶. Select "Save" and press ENTER to save the settings.
7. Disconnect the speaker setup microphone.




Manual MCACC

■ EQ Adjust

If you perform Full Auto MCACC then settings are automatic, but you can also adjust the output volume of the range of each connected speaker to suit your own preferences. You can adjust the volume of the different sound ranges for each of the speakers. You can set three different equalizers in Preset 1 to 3. You can select up to 4 bands for the Subwoofer and 9 bands for all other speakers.

<input type="checkbox"/> Front Left	(Default Value: 0.0 dB)
Center	(Default Value: 0.0 dB)
Front Right	(Default Value: 0.0 dB)
Height Left	(Default Value: 0.0 dB)
Height Right	(Default Value: 0.0 dB)
Surround Right	(Default Value: 0.0 dB)
Surr Back Right	(Default Value: 0.0 dB)
Surr Back Left	(Default Value: 0.0 dB)
Surround Left	(Default Value: 0.0 dB)
Subwoofer	(Default Value: 0.0 dB)

- The result may not be as expected depending on the input source and listening mode setting.
- If you want to make the adjustments while listening to something, press  on the remote controller, and select the Preset you want to adjust in "AV Adjust" - "Room EQ" - "Manual EQ Select" first.

Front Left, Front Right:

After selecting the speaker frequency from between "63 Hz" and "16 kHz" with the cursors ◀/▶, adjust the volume of that frequency between "-12.0 dB" and "+12.0 dB" with ▲/▼.

- "63 Hz" can only be selected when this speaker is set to "Large" in "System Setup" - "Speaker" - "Crossover".

Center, Surround Right, Surround Left:

After selecting the speaker frequency from between "63 Hz" and "16 kHz" with the cursors ◀/▶, adjust the volume of that frequency between "-12.0 dB" and "+12.0 dB" with ▲/▼.

- "63 Hz" can only be selected when this speaker is set to "Large" in "System Setup" - "Speaker" - "Crossover".
- If an item cannot be selected even though connection is correct, check that the settings in "System Setup" - "Speaker" - "Configuration" - "Speaker Channels" matches the number of connected channels.

Height Left, Height Right, Surr Back Right, Surr Back Left:

After selecting the speaker frequency from between "63 Hz" and "16 kHz" with the cursors ◀/▶, adjust the volume of that frequency between "-12.0 dB" and "+12.0 dB" with ▲/▼.

- "63 Hz" can only be selected when this speaker is set to "Large" in "System Setup" - "Speaker" - "Crossover".
- The setting cannot be changed if "Configuration" - "Zone Speaker" is set to "Zone 2" and Zone 2 is on.
- If an item cannot be selected even though connection is correct, check that the settings in "System Setup" - "Speaker" - "Configuration" - "Speaker Channels" matches the number of connected channels.

Subwoofer:

After selecting the speaker frequency from between "31 Hz" and "250 Hz" with the cursors ◀/▶, adjust the volume of that frequency between "-12.0 dB" and "+12.0 dB" with ▲/▼.

- This cannot be selected if "No" is set in "System Setup" - "Speaker" - "Configuration" - "Subwoofer".



MCACC Data Check

You can check the number of speaker channels connected and the content and values you have set for each of the speaker settings.

■ Speaker Setting

You can check the number of speaker channels connected and the large and small settings you have set for the low range reproduction capabilities for each of the speakers.

■ Channel Level

You can check the output level settings for each of the speakers.

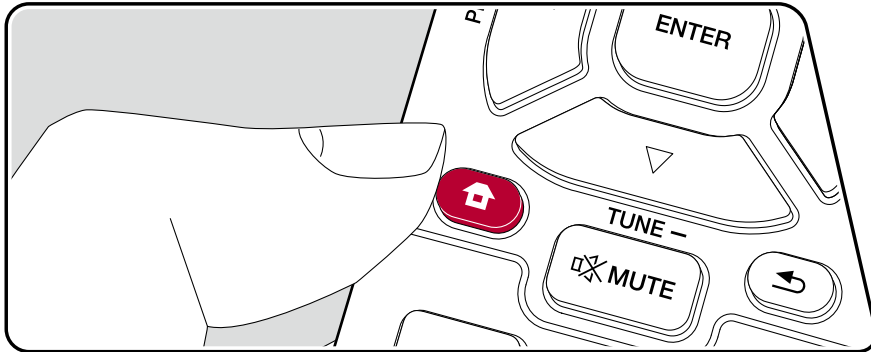
■ Speaker Distance

You can check the distance from each speaker to the listening position.




Network/Bluetooth





Menu operations







Make settings related to network connections and BLUETOOTH.

Use the on-screen displays (OSD) that appear on the TV to make the settings. Press  on the remote controller to display the Home screen, select "Network/Bluetooth" with the cursors on the remote controller, then press ENTER.



Select the item with the cursor  /  /  /  buttons of the remote controller and press ENTER to confirm your selection.

Use the cursors  /  to change the default values.

- To return to the previous screen, press .
- To exit the settings, press .



Network

- When LAN is configured with a DHCP, set "DHCP" to "Enable" to configure the setting automatically. ("Enable" is set by default) To assign fixed IP addresses to each component, you must set "DHCP" to "Disable" and assign an address to this unit in "IP Address" as well as set information related to your LAN, such as Subnet Mask and Gateway.

Wi-Fi (Default Value: Off(Wired))

Connect the unit to the network via a wireless LAN router.

- When switching between "On" and "Off(Wired)", stop the Network service. Also, when group playback is in process, cancel the group playback once, and then switch the setting.

On	Wireless LAN connection
Off(Wired)	Wired LAN connection

Wi-Fi Setup (Default Value: -)

You can configure wireless LAN settings by pressing ENTER when "Start" is displayed.

Wi-Fi Status (Default Value: -)

The information of the connected access point will be displayed.

SSID	SSID of the connected access point.
Signal	Signal strength of the connected access point.
Status	Status of the connected access point.

MAC Address (Default Value: -)

Check the MAC address of this unit.

This value is specific to the component and cannot be changed.

DHCP (Default Value: Enable)

Enable	Auto configuration by DHCP
Disable	Manual configuration without DHCP <ul style="list-style-type: none"> If you select "Disable", you must set "IP Address", "Subnet Mask", "Gateway", and "DNS Server" manually.

IP Address (Default Value: 0.0.0.0)

Displays/Sets the IP address.

Subnet Mask (Default Value: 0.0.0.0)

Displays/Sets the subnet mask.

Gateway (Default Value: 0.0.0.0)

Displays/Sets the gateway.

DNS Server (Default Value: 0.0.0.0)

Displays/Sets the primary DNS server.

