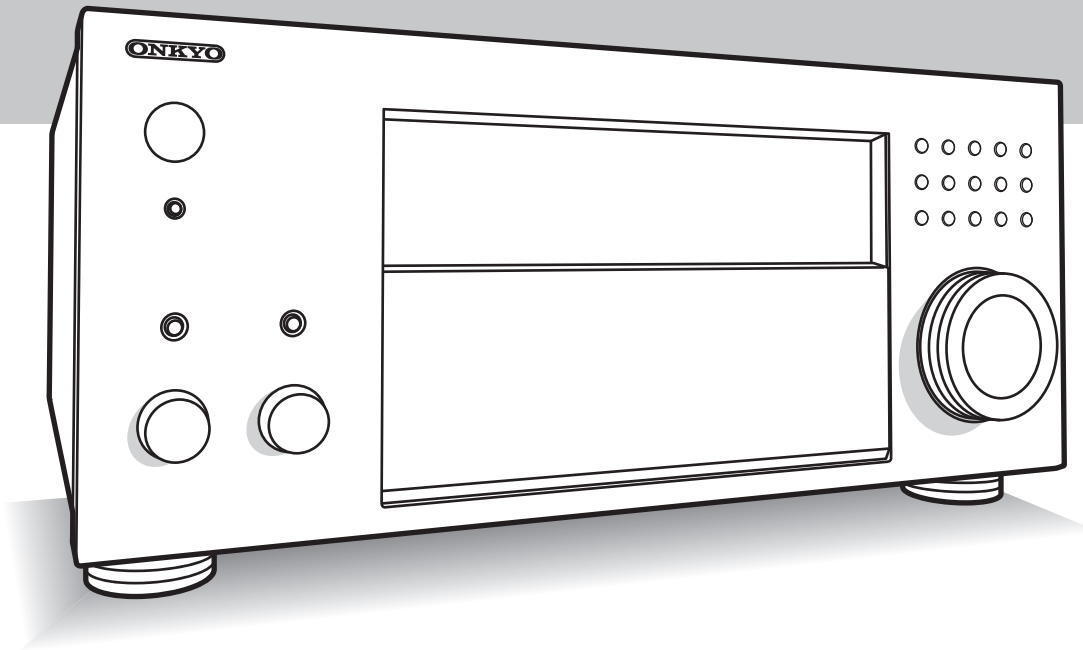


ONKYO

TX-RZ900/TX-RZ800

AV RECEIVER

Basic Manual



This manual includes information needed when starting up and also instructions for frequently used operations. The Advanced Manual is published on the web for ecological reasons and has more detailed information and advanced settings.

Фирменный магазин ONKYO.RU

Advanced Manual
found here



<http://www.onkyo.com/manual/txrz900800/adv/en.html>

En

Features

TX-RZ900/TX-RZ800:

- Equipped with 7 ch amplifier
- Supports playback in Dolby Atmos format and has Dolby Surround listening mode
- Supports playback in DTS:X format and has DTS Neural:X listening mode
- THX Select2 Plus certified
- Equipped with 4K compatible HDMI IN/OUT jacks
- Equipped with 2 HDMI output jacks
- Supports the HDMI Standby Through function which allows transmission from players to the TV in standby state
- Supports HDCP2.2 (supported by HDMI IN1 to IN5/ HDMI OUT MAIN/SUB)
- Supports ARC (Audio Return Channel)
- Supports variety of network functions such as Internet Radio, DLNA, AirPlay, etc.
- Supports Wi-Fi and BLUETOOTH®
- Bi-Amping capability
- A/V Sync Function to correct deviation of audio and video
- Multi-zone function (Zone 2 and Zone 3) which allows you to play something in the main room while enjoying a different source in a separate room (Video and audio can also be output to Zone 2 through HDMI)
- Music Optimizer™ for compressed digital music files
- Phase Matching Bass System
- Automatic speaker setup available using supplied calibrated microphone (AccuEQ Room Calibration)
- Supports playback of MP3, WMA, WMA Lossless, FLAC, WAV, Ogg Vorbis, Apple Lossless, DSD, Dolby TrueHD via network and USB storage device (the supported formats will differ depending on the use environment)

TX-RZ900:

- The two front channels have parallel push-pull circuits for reproducing powerful bass
- Equipped with a high-class toroidal transformer as an independent power source for the audio circuitry

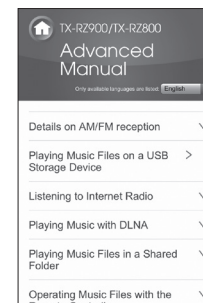
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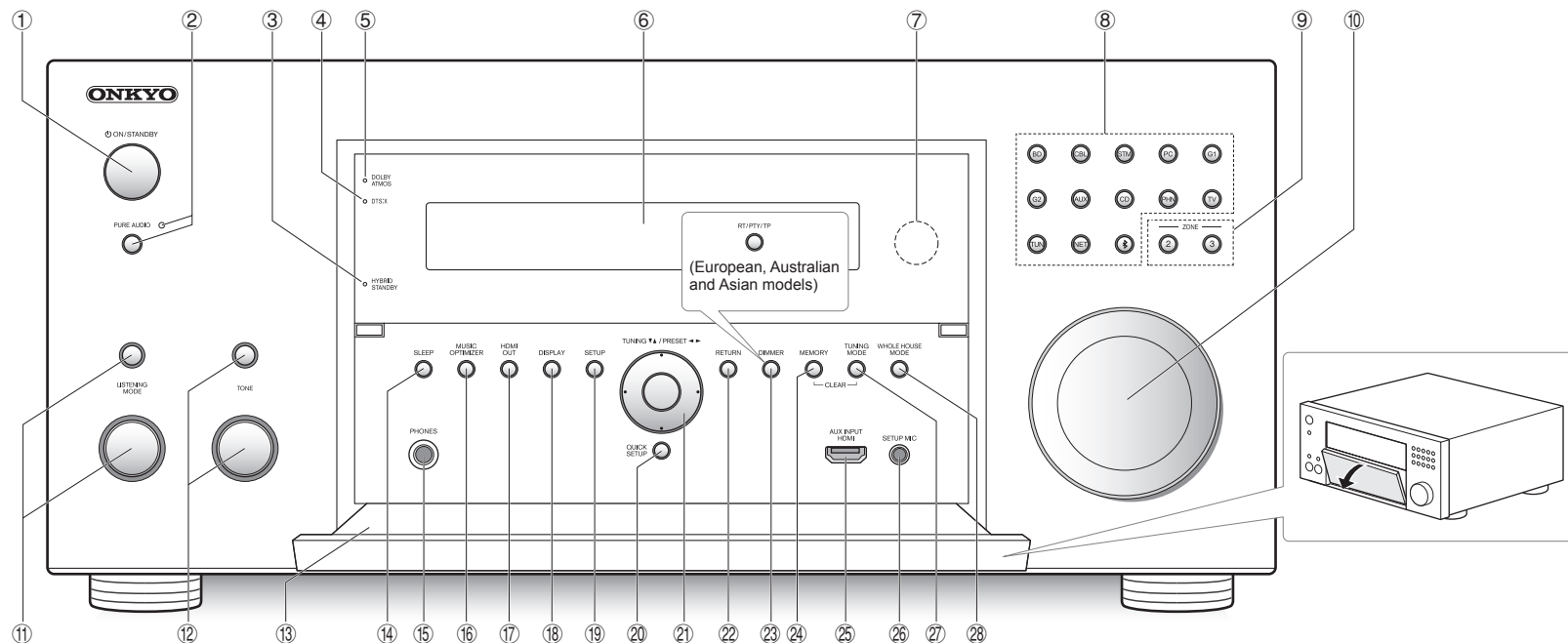
Advanced Manual is always updated with the latest information and its user friendly interface, which does not matter whether you access from PC or Smartphone, helps you to understand more deeply about the AV Receiver. Advanced Manual is consisted of the following chapters.



- Details on AM/FM reception
- Playing Music Files on a USB Storage Device
- Listening to Internet Radio
- Playing Music with DLNA
- Playing Music Files in a Shared Folder
- Operating Music Files with the Remote Controller
- Using the Listening Modes
- Advanced Settings (Setup Menu)
- Operating Other Components with the Remote Controller
- Advanced Connection
- Connecting and Operating Onkyo RI Components
- Control Function between the Unit and External Component
- Firmware Update
- Troubleshooting
- Reference Information



Advanced Manual found here
<http://www.onkyo.com/manual/trz900800/adv/en.html>



Front Panel

- ① **ON/STANDBY button:** Turns the unit on or into standby mode.
- ② **PURE AUDIO button and indicator:** The display and analog video circuits are turned off to switch the unit to PURE AUDIO mode and provide purer sound.
- ③ **HYBRID STANDBY indicator:** Lights if the unit enters standby mode when the HDMI Standby Through, USB Power Out at Standby, Network Standby or BLUETOOTH Wakeup function is enabled.
- ④ **DTS:X indicator:** Lights when playing DTS:X.
- ⑤ **DOLBY ATMOS indicator:** Lights when playing Dolby Atmos.
- ⑥ **Display**
- ⑦ **Remote control sensor:** Receives signals from the remote controller.

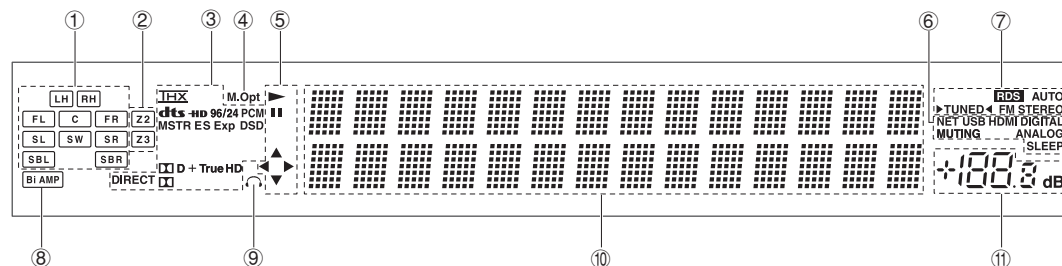
- ⑧ **Input selector buttons:** Switches the input to be played. Each button is assigned to the following jacks.

Button	Jack	Button	Jack
BD	BD/DVD	G2	GAME 2
CBL	CBL/SAT	AUX	AUX
STM	STRM BOX	CD	CD
PC	PC	PHN	PHONO
G1	GAME 1	TV	TV

- Use the TUN button for AM/FM radio, the NET button for network features such as Internet radio and USB playback, and the $\times$ button for BLUETOOTH features.
- The assigned jacks can be changed. For how to make settings, see "1. Input/Output Assign" in "Advanced Settings (Setup Menu)" in the Advanced Manual.

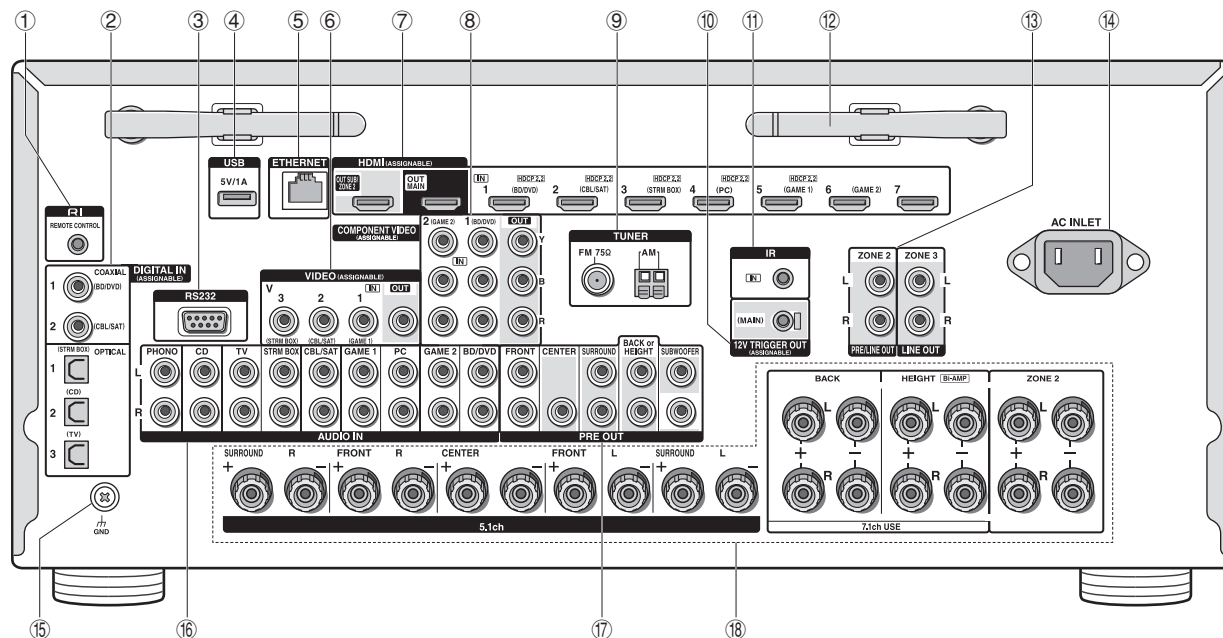
- ⑨ **ZONE2/3 button:** Controls the multi-zone function.
- ⑩ **MASTER VOLUME:** Allows you to adjust the volume.
- ⑪ **LISTENING MODE button/dial:** Allows you to select the listening mode. Press the button repeatedly to select a category from "MOVIE/TV", "MUSIC", "GAME", then turn the dial to change the mode.
- ⑫ **TONE button/dial:** Adjusts the high tone and low tone. Press the button repeatedly to select the item to adjust from "Bass", "Treble" and "Phase Matching Bass", and turn the dial to adjust.
- ⑬ **Front flap**
- ⑭ **SLEEP button:** Allows you to specify a time period after which the unit enters standby automatically.
- ⑮ **PHONES jack:** Stereo headphones with a standard plug are connected.

- ⑩ **MUSIC OPTIMIZER button:** Turns on/off the MUSIC OPTIMIZER function that improves the quality of the compressed audio.
- ⑪ **HDMI OUT button:** Allows you to select the HDMI jack to output video signals.
- ⑫ **DISPLAY button:** Switches the information on the display.
- ⑬ **SETUP button:** Used when making settings.
- ⑭ **QUICK SETUP button:** Displays the Quick Setup menu that allows you to quickly access the frequently used setting items including sound quality adjustment.
- ⑮ **Cursor buttons, TUNING▼▲ button, PRESET◀▶ button and ENTER button:** Moves the cursor and confirms the selection. When listening to AM/FM broadcasting, tune in to the station with TUNING▼▲ or select the registered station with PRESET◀▶.
- ⑯ **RETURN button:** Returns the display to the previous state.
- ⑰ **DIMMER button (North American models):** Switches the brightness of the display.
- ⑱ **RT/PTY/TP button (European, Australian and Asian models):** Can be used when receiving the station transmitting text information.
- ⑲ **MEMORY button:** Registers a radio station.
- ⑳ **AUX INPUT HDMI jack:** A HD camera or such other device is connected.
- ㉑ **SETUP MIC jack:** The supplied speaker setup microphone is connected.
- ㉒ **TUNING MODE button:** Switches the tuning mode.
- ㉓ **WHOLE HOUSE MODE button:** Enables the WHOLE HOUSE MODE function to play the same source in all the multi-zone connected rooms.



Display

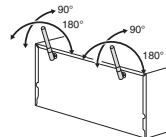
- ① Speaker/Channel display: Displays the output channel that corresponds to the selected listening mode.
- ② Z2/ Z3: Lights when the output to Zone 2/ Zone 3 is set to on.
- ③ Lights according to the type of input digital audio signals and the listening mode.
- ④ Stays lit when Music Optimizer is enabled.
- ⑤ Lights when playing NET or USB.
- ⑥ "NET": Lights when "NET" input is selected and the unit is connected to the network. It will flash if the connection is not correct.
"USB": Lights when input is "NET" and USB is connected and selected. It will flash if the connection is not correct.
"HDMI": Lights when HDMI signals are input and the HDMI input is selected.
"DIGITAL": Lights when digital signals are input and the digital input is selected.
"MUTING": Flashes when muting is on.
"ANALOG": Lights when analog signals are input and the analog input is selected or when HDMI and digital signal inputs are not assigned.
"SLEEP": Lights when the sleep timer is set.
- ⑦ Lights in the following conditions.
"RDS" (European, Australian and Asian models): Receiving RDS broadcasting.
"AUTO": Tuning mode is auto.
"▶TUNED◀": Receiving AM/FM radio. ▶◀ flashes while tuning is automatically performed.
"FM STEREO": Receiving FM stereo.
"Bi AMP": Using bi-amp.
- ⑧
- ⑨ Stays lit when headphones are connected.
- ⑩ Displays various information of the input signals. Pressing DISPLAY displays the type of input digital signals and the listening mode.
- ⑪ Shows the volume level.



Rear Panel

- ① **RI REMOTE CONTROL jack:** An Onkyo product with RI jack can be connected and synchronized with this unit.
- ② **DIGITAL IN COAXIAL/OPTICAL jacks:** Digital audio signals are input.
- ③ **RS232 port:** Connected to the home control system. (*)
- ④ **USB port:** A USB storage device is connected so that music files stored in it can be played. Connect a USB device with a USB cable to supply it with power.
- ⑤ **ETHERNET port:** Used for LAN connection
- ⑥ **VIDEO IN/OUT jacks:** Composite video input/output jacks.
- ⑦ **HDMI IN/OUT jacks:** Digital video signals and audio signals are transmitted between the unit and the connected devices.
- ⑧ **COMPONENT VIDEO IN/OUT jacks:** Component video input/output jacks.

- ⑨ **TUNER AM/FM(75Ω) terminal:** The supplied antennas are connected.
- ⑩ **12V TRIGGER OUT MAIN jack:** Allows you to connect a device with 12V trigger input jack to enable link operation between the device and the unit. (*)
- ⑪ **IR IN jack:** Connected to the multiroom remote control kit. (*)
- ⑫ **Wireless antenna:** Used for Wi-Fi connection or when using a BLUETOOTH enabled device. Adjust their angles according to the connection status.



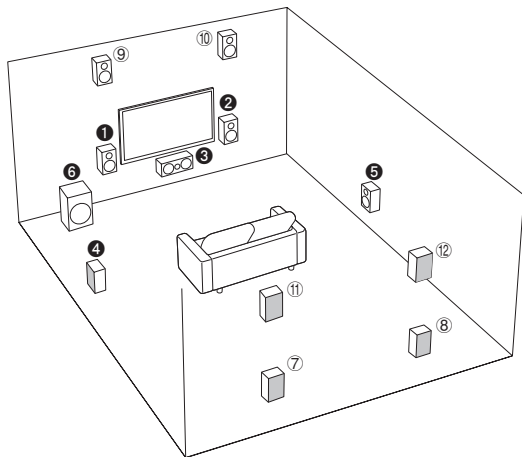
- ⑬ **PRE/LINE OUT ZONE 2 jack, LINE OUT ZONE 3 jack:** Audio output jack connected to the power amplifier and pre-main amplifier for multi-zone playback in a separate room.
- ⑭ **AC INLET:** The supplied power cord is connected.
- ⑮ **GND terminal:** The ground wire of the turntable is connected.
- ⑯ **AUDIO IN jacks:** Analog audio signals are input.
- ⑰ **PRE OUT jacks:** A power amplifier or subwoofer with built-in amplifier is connected.
- ⑱ **Speaker terminals:** Speakers are connected. To use the Multi-zone function, connect the speakers in the separate room to the ZONE2 speaker terminals.

* Special devices or cable connections are necessary to use the ③, ⑩ and ⑪ functions. Contact the specialized stores for more information.

Step 1: Connections

1 Connecting speakers

Speaker layout



Important: The power cord must be connected only after all other connections are completed.

- ① ② Front speakers
- ③ Center speaker
- ④ ⑤ Surround speakers
- ⑥ Subwoofer
- ⑦ ⑧ Back speakers
- ⑨ ⑩ Height speakers (Front High)
- ⑪ ⑫ Height speakers (Rear High)

• 5.1 ch: ①②③④⑤⑥

• 7.1 ch: ①②③④⑤⑥+⑦⑧, or

①②③④⑤⑥+⑨⑩, or

①②③④⑤⑥+⑪⑫

- To enjoy the Dolby Atmos listening mode, height speakers or back speakers need to be installed. There are a variety of height speakers apart from this type. See the next section "Height speaker types" for details.

Characteristics of speaker types

①② output front stereo sound and ③ outputs center sound such as dialogs and vocals. ④⑤ create back sound field. ⑥ reproduces bass sounds and creates rich sound field.

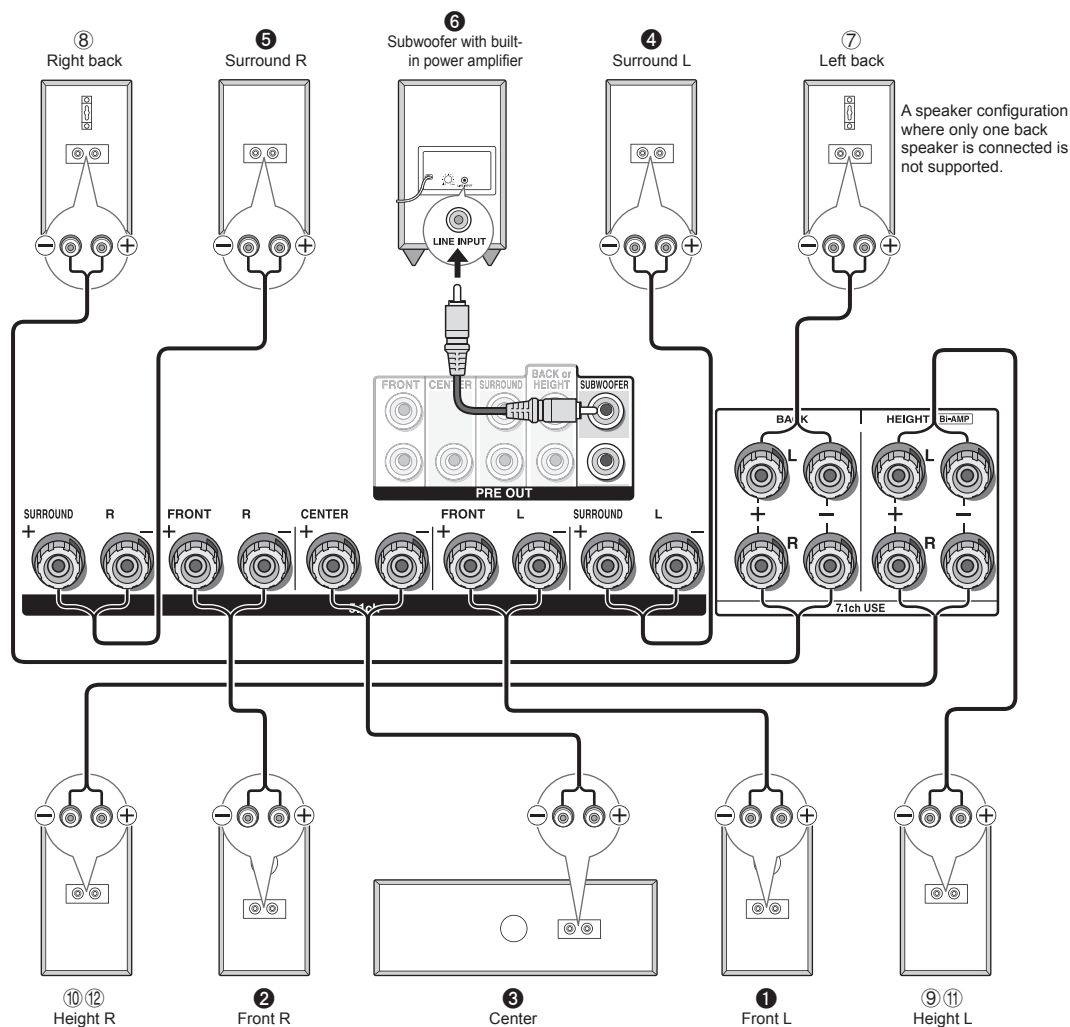
Connecting ⑦⑧, ⑨⑩, or ⑪⑫ speakers enables playback in 7.1 ch configuration.

⑦⑧ (back) speakers improve sense of envelopment created by back sound field as well as seamlessness of back sounds, providing more natural sound experiences in the sound field. ⑨⑩ and ⑪⑫ (height) speakers produce surround effects on a height plane. Note that this unit can perform optimal sound field processing for the type of height speakers actually installed and registered in Initial Setup.

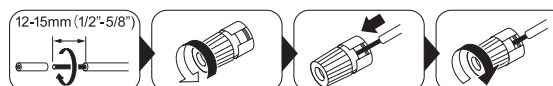
You can connect both back speakers and height speakers at the same time, but you can only output audio from one of these at a time. When connected at the same time, you can switch speakers to prioritize in the Quick Setup menu that appears when you press the Q button on the remote controller (Speaker Layout function). For details, see "7 Quick Setup menu" of "Step 3: Playing Back".

- The speaker setting is 7.1 channels at the time of purchase. You can change it manually or by using automatic speaker setting.
- To use the multi-zone function, see "6 Multi-zone" in "Step 3: Playing Back".

Important: Connect speakers with 4 Ω to 16 Ω impedance. You have to change the setting if any of the speakers have 4 Ω or more to less than 6 Ω impedance. Using a speaker with less impedance than the setting may result in failure. You can set up by viewing the guidance displayed on the TV screen. Select the item with the cursor buttons of the remote controller and press ENTER to confirm your selection. To return to the previous screen, press RETURN. Press RCV and then SETUP on the remote controller. Select "2. Speaker" - "Configuration" - "Speaker Impedance" and change the default value from "6ohms" to "4ohms".

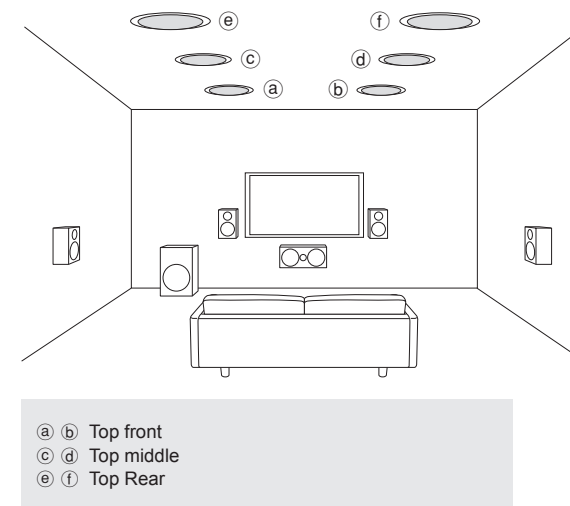


Make correct connection between the unit's jacks and speaker's jacks (+ to + and - to -).



Height speaker types

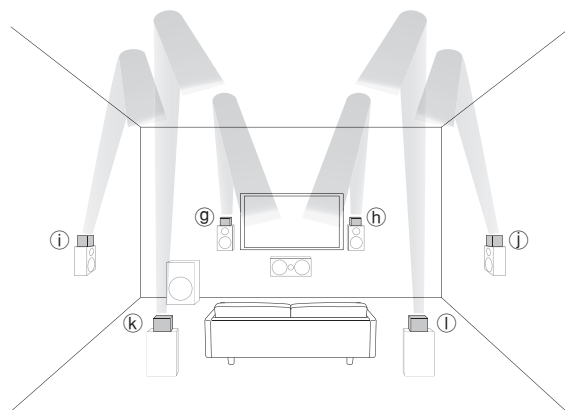
Installing speakers in ceiling



Ceiling speakers, etc. are used for maximizing effects in Dolby Atmos or Dolby Surround listening mode. Install Top Front speakers so that they are positioned at a point between directly above the listening position and directly above the front speakers. Install Top Middle speakers so they are directly above the listening position. Install Top Rear speakers so they are positioned at a point between directly above the listening position and directly above the back speakers. You can select a, b, c, d, or e, f on this unit. For connection with the unit, use the HEIGHT speaker terminals.

- Dolby Laboratories recommends placing the speakers as described in "Installing speakers in ceiling" to obtain the best Dolby Atmos effect.

Using Dolby Enabled Speakers



- (g) (h) Dolby Enabled Speaker (Front)
 (i) (j) Dolby Enabled Speaker (Surround)
 (k) (l) Dolby Enabled Speaker (Back)

A Dolby Enabled Speaker is specially designed to be used as a Height speaker. There are two types of Dolby Enabled Speakers; types placed on top of other speakers such as front speakers and surround speakers (*), and types that are integrated with the normal speakers. Dolby Enabled Speakers placed with their diaphragms facing toward the ceiling create higher effect in the Dolby Atmos and Dolby Surround listening modes by providing sounds echoing off the ceiling. You can select (g)(h), (i)(j), or (k)(l) on this unit. For connection with the unit, use the HEIGHT speaker terminals.

* You can put (k)(l) on top of back speakers, but even if you connect both back speakers and (k)(l) speakers at the same time, you can only output audio from one of these at a time.

When playing Dolby Atmos, the speakers required depend on how you have setup your back speakers or height speakers. The following shows speaker combinations.

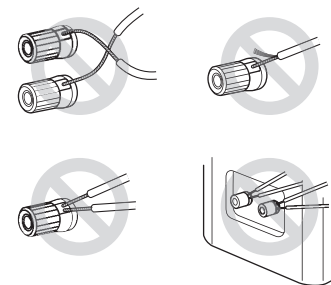
Connection pattern	Back or Height	Front	Center	Surround
1	Back	⊗	○	⊗
2	Front High	⊗	○	○
3	Rear High	⊗	○	○
4	Top Front	⊗	○	○
5	Top Middle	⊗	○	○
6	Top Rear	⊗	○	○
7	Dolby Enabled Speaker (Front)	⊗	○	○
8	Dolby Enabled Speaker (Surround)	⊗	○	⊗
9	Dolby Enabled Speaker (Back)	⊗	○	⊗

⊗Required ○Optional *Connection of a subwoofer is optional.

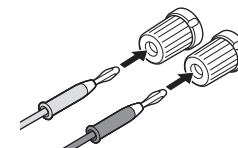
Instructions on how to connect speakers

Cut and remove the plastic coating from the end of the speaker cable, twist the core and connect it to the terminal. Make correct connection between the unit's jacks and speaker's jacks (+ to + and - to -) for each channel. If connection is wrong, a bass sound may become poor due to reverse phase. Up to two subwoofers with built-in power amplifier can be connected to the SUBWOOFER jacks. Set the cut-off filter selection switch of the subwoofer to DIRECT. If the subwoofer does not have a cut-off filter selection switch but has a cut-off frequency adjusting dial, turn it to the maximum frequency. If your subwoofer does not have built-in power amplifier, you can connect a power amplifier between the unit and the subwoofer.

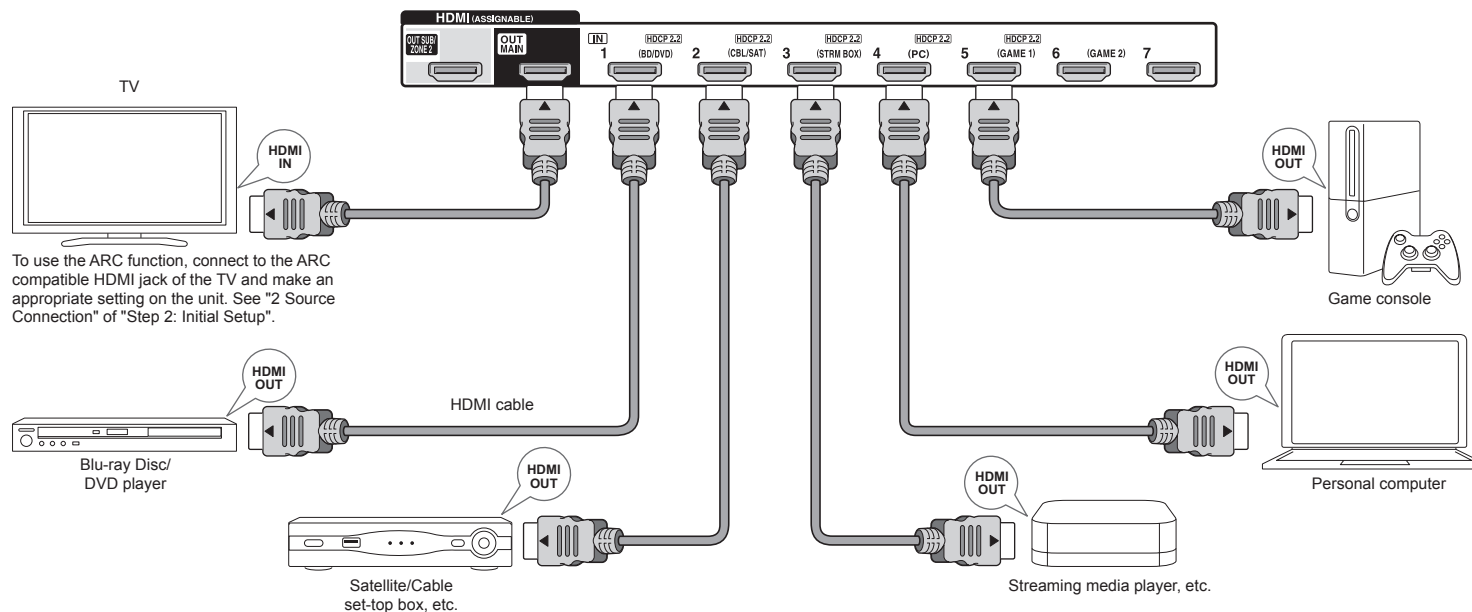
- Short-circuiting the + cable and - cable or contacting the cable core to the rear panel of the unit may cause failure. Also do not connect two or more cables to one speaker terminal or one speaker to several terminals.



When using commercially available banana plugs: tighten the speaker terminals to the end and then insert the banana plugs. Do not insert the core of speaker cable directly into the hole for banana plug of speaker terminal. (North American model)



2 Connecting the TV and players



HDMI cable connection

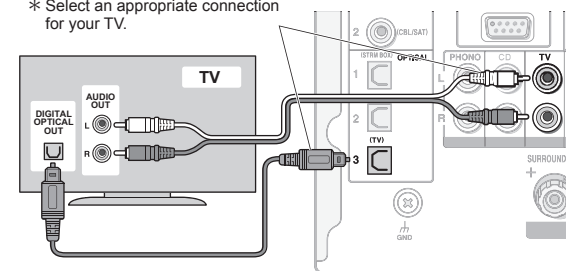
Refer to the above figure and connect the player to the HDMI jack on the back of this unit. For example, connect a Blu-ray Disc Player to the HDMI IN1 (BD/DVD) jack. To play the player, press the INPUT SELECTOR button on the remote controller with the same name as the jack to which you connected the player so that the input on the unit is selected.

To connect the TV and the unit, connect the HDMI OUT MAIN jack of the unit and the HDMI IN jack of the TV using an HDMI cable. With this connection, it becomes possible to display the setting screen of the unit on the TV or transmit video/audio signals from the player to the TV. If your TV supports ARC (Audio Return Channel), it is possible to play the TV sound with the AV receiver's

speakers with this connection only. If your TV does not support ARC, you need, in addition to the HDMI OUT MAIN jack connection, a digital optical cable connection between the digital audio out optical jack of the TV and the DIGITAL IN OPTICAL jack of the unit or an analog audio cable connection between the audio output jack of the TV and the AUDIO IN TV jack of the unit.

● Audio connection with a TV not supporting ARC

* Select an appropriate connection for your TV.



The unit supports the HDMI Standby Through function that allows transmission from players to the TV even if the unit is in standby. You have to modify the settings to enable the input selection link with CEC (Consumer Electronics

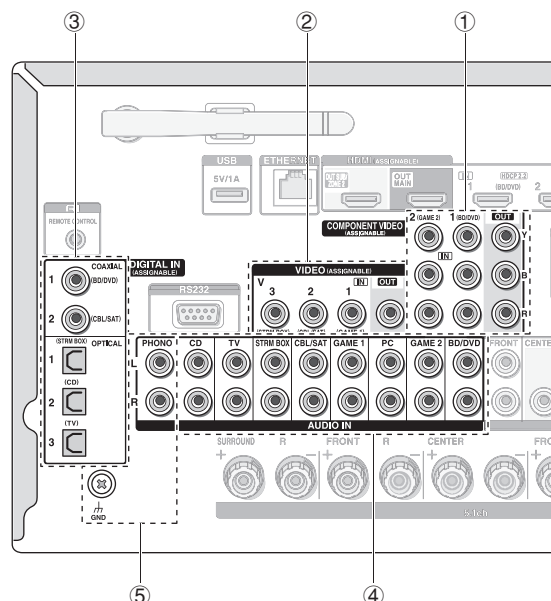
Control) compliant device, connection with ARC compatible TV, and HDMI Standby Through function. See "2 Source Connection" of "Step 2: Initial Setup".

- Another TV can be connected to the HDMI OUT SUB jack. In this case, press the HDMI OUT button on the main unit several times to display "SUB" or "MAIN+SUB" and select the output method. You have to modify the settings to enable the CEC functions, such as ARC, for the TV connected to the HDMI OUT SUB jack. Set "Step 3: Playing Back" - "7 Quick Setup menu" - "Control TV" to "SUB".
- To enjoy HDCP2.2 protected video, connect the player to one of the HDMI IN1 to IN5 jacks and connect the HDMI output jack on this unit and to a HDCP2.2 compatible HDMI input jack on the TV. You will be unable to view images protected by HDCP2.2 if your TV does not have a HDCP2.2 compatible input jack.
- To play 4K or 1080p video, use a high speed HDMI cable or high speed HDMI with Ethernet cable.

Connecting Components without HDMI

If your AV component does not have HDMI jack, use an available jack of your component for cable connection with this unit.

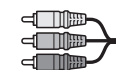
- * It is possible to change assignment of the input jacks and input selector buttons. For how to make settings, see "1. Input/Output Assign" in "Advanced Settings (Setup Menu)" in the Advanced Manual.



Video signal connection

The unit has a video upconversion function. For details, see the next section.

- ① A TV with component video input jacks or a player with component video output jacks can be connected.
* Only images input through the COMPONENT VIDEO IN jacks can be output through the COMPONENT VIDEO OUT jacks.



Component video cable

- * Its transmitted video has higher quality than that of composite video cable.

- ② A TV with composite video input jacks or a player with composite video output jacks can be connected.
* Only images input through the VIDEO IN jack (composite) can be output through the VIDEO OUT jack.



Composite video cable

Audio signal connection

- ③ A player with a digital audio out jack can be connected.



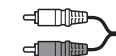
Digital optical cable (OPTICAL)

- * The DIGITAL IN OPTICAL jack of the unit has a cover. Push in the cable against the cover as it is turned inside.



Digital coaxial cable (COAXIAL)

- ④ A player with analog audio out jacks can be connected. When using jacks ① and ② for video input, connect to the audio input jacks corresponding to the jacks connected at ① and ②. (For example, when video input connection is to the ① BD/DVD jack, the audio input connection should also be to the ④ BD/DVD jacks.)

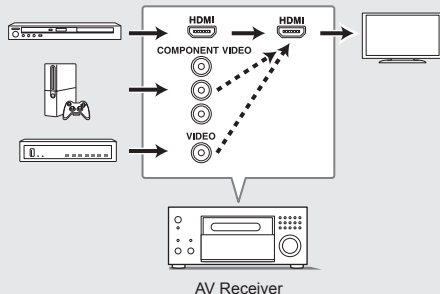


Analog audio (RCA) cable

- ⑤ Connect a turntable that uses an MM type cartridge and does not have a built-in audio equalizer. If the connected turntable has a built-in audio equalizer, connect it to the ④ analog audio input jack.
* If it uses an MC type cartridge, install an audio equalizer compatible with MC type cartridge between the unit and the turntable by connecting it to the ④ analog audio input jack. For details, refer to the turntable's instruction manual.
* If the turntable has a ground wire, connect it to the GND terminal of this unit. If connecting the ground wire increases noise, disconnect it.

Video upconversion function

Video signals input to the VIDEO IN jack or the COMPONENT VIDEO IN jacks will be upconverted to HDMI signals and then output from the HDMI output jack.



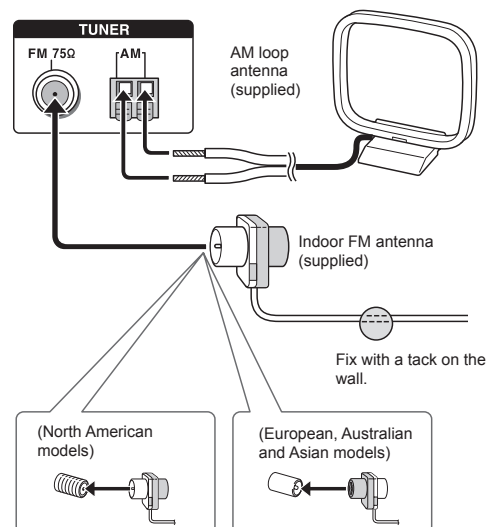
* When you upconvert video signals input to the COMPONENT VIDEO IN jacks and output them from the HDMI OUT jack, set the output resolution of the player to 480i or 576i. If the input has 480p/576p or higher resolution, a message prompting you to change the resolution setting will appear. If your player does not support 480i or 576i output, use the VIDEO IN jack.

* If multiple video signal inputs are put into one input system, HDMI signal output is prioritized.

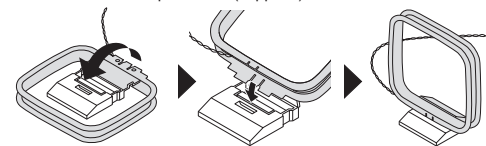
3 Other connections

AM/FM antenna connections

Connect the antennas to listen to AM/FM broadcast. When listening to the broadcast for the first time, adjust the antenna position and orientation to get the best reception.

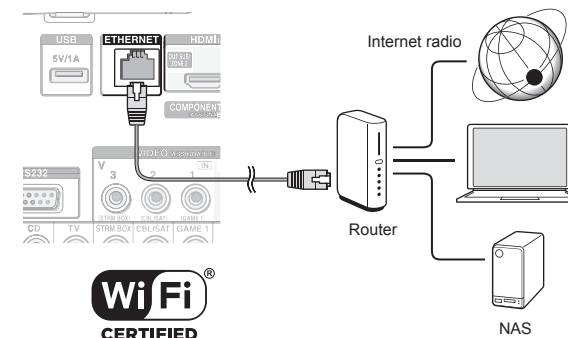


Assemble the AM loop antenna (supplied).



Network connection

You can enjoy Internet radio, DLNA, and AirPlay by connecting the unit to LAN. The unit can be connected to the router with an Ethernet cable or to the wireless LAN router with Wi-Fi connection. In case of wired connection, connect the LAN cable to the ETHERNET port. See "4 Network Connection" of "Step 2: Initial Setup" for Wi-Fi settings.



Headphones connection

Connect stereo headphones with a standard plug (1/4 inch or $\phi 6.3$ mm) to the PHONES jack on the front panel. Sound from the speakers will be off while you are using the headphones.

- If you selected any other listening mode than Pure Audio, Stereo, Mono and Direct, connecting headphones will switch the listening mode to Stereo.

Power cord

This model includes a removable power cord. Connect the power cord to AC INLET of the unit and then connect to the outlet. Always disconnect the outlet side first when disconnecting the power cord. When the unit is turned on, a large instantaneous current may flow affecting functionality of the computer and other devices, so it is recommended to use a separate outlet.

Step 2: Initial Setup

"Initial Setup" automatically starts on the television when you first turn the unit on.



Settings proceed in the following order:

1 AccuEQ Room Calibration

- Automatic calibration for optimum speaker settings

2 Source Connection

- Checking that each input source is connected correctly
- HDMI link function settings

3 Remote Mode Setup

- Settings required to operate other AV Components with the Remote Controller

4 Network Connection

- Checking network connections
- Wi-Fi settings

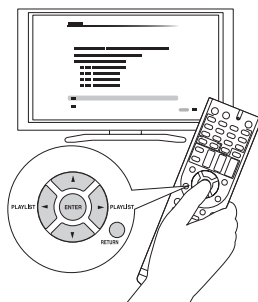
* **Firmware update notification:** If the unit is connected via LAN and there is firmware update available, the "Firmware Update Available" message will appear. To execute updating, select "Update Now" with the cursor buttons of the remote controller and press ENTER.

When "Completed!" appears, press $\odot$ ON/STANDBY on the main unit to turn the unit into standby mode. Then updating will be completed. (The unit automatically turns itself into standby mode after about 3 minutes even if you don't press $\odot$ ON/STANDBY, and updating will be complete.)

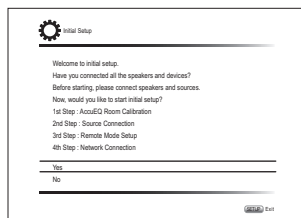
Before Start

Setup is performed as a series of responses to questions asked by the unit. Select the item with the cursors of the remote controller and press ENTER to confirm your selection. To return to the previous screen, press RETURN.

- Switch the input on the TV to that assigned to the unit.



Select the language first. Next, a summary of the initial settings is displayed. Select "Yes" in this screen and press ENTER on the remote controller.



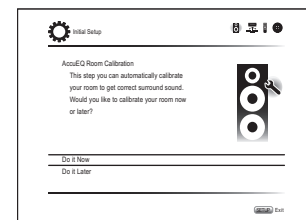
Re-doing initial setup: If you terminate the procedure on the way or change the setting made in the initial setup and want to call up the setup wizard again, press RCV and then SETUP on the remote controller, select "8. Miscellaneous" - "Initial Setup", and press ENTER.

1 AccuEQ Room Calibration

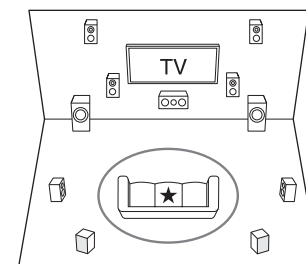
The test tone coming from each speaker will be measured to enable setting of the number of speakers, volume level, each speaker's optimum crossover frequencies, and distance from the primary listening position, and also enable correction of distortion caused by the room acoustic environment.

- You cannot return to the previous screen during speaker setup, even if you press RETURN.

1. Place the speaker setup microphone.



When the above screen is displayed, before starting the procedure, place the supplied speaker setup microphone at the measurement position ★ by referring to the following figure.



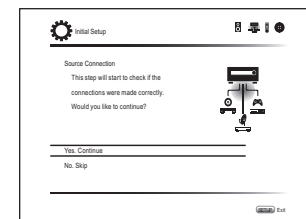
$\bigcirc$: Listening area

★ : Measurement position with microphone

2 Source Connection

You can check the connections for each of the inputs and configure the HDMI link function.

1. When the Source Connection start screen is displayed, select "Yes, Continue" with the cursors and press ENTER.



2. Select the desired input to check the connection and press ENTER.

Start playback of the selected device. If connection is correct, video/audio of the input source selected on the unit will be played.

3. After checking the connection, select "Yes" with the cursors and press ENTER.

- If you select "No" and press ENTER, the error cause will be displayed. Follow the guidance to remove the error cause and check the connection again.

4. Select "Yes" with the cursors and press ENTER on the remote controller to check the connection of other inputs or select "No, Done Checking" and press ENTER to skip.

If you select "Yes", you will return to the screen of step 2.

If you select "No, Done Checking", you will proceed to step 5.

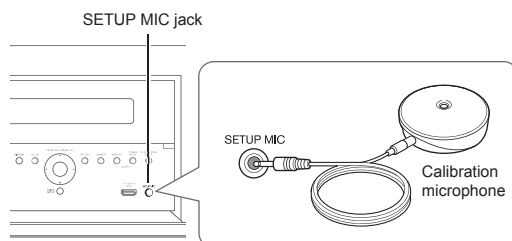
5. Settings for the CEC link function.

To enable the HDMI link function with CEC compatible equipment, select "Yes", then select "Yes" again in the next screen.

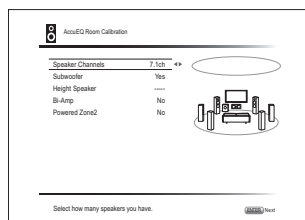
- * Correct measurement will not be possible if the microphone is held by hand. Measurement is not possible if headphones are being used.
- * The subwoofer sound may not be detected since it is extremely low frequencies. Set the subwoofer volume to around the half of its maximum volume.
- * Measurement may be interrupted if there is ambient noise or radio frequency interference. If this occurs, close the window and turn off the home appliance and fluorescent light.

2. After placing the microphone at the measurement position, select "Do it Now" with the cursors and press ENTER.

3. When "Please plug microphone that came in a box with AV receiver" is displayed, connect the microphone to the SETUP MIC jack of the unit.



4. Set the speakers you have connected and the type of Height Speakers.



When the screen above is displayed, set the items with the cursors on the remote controller. The image on the screen changes as you choose the number of channels in "Speaker Channels", so refer to it when performing the settings. After completing all the settings, press ENTER on the remote controller.

After this, follow the guidance displayed on the TV screen.

- When the cursor is on an item, the content of the item will be shown in the lower part of the screen.

5. The test tones sound from the connected speakers and automatic speaker setting starts.

Measurement will be made three or more times for each speaker. It takes several minutes to be completed. Keep the room as quiet as possible during measurement. If any of the speakers do not produce the test tone, check for disconnection.

- During measurement, each speaker outputs the test tones at a high volume. Be careful of sound leak that may disturb your neighbors, or be careful not to frighten young children.

6. When the measurement is completed, the measurement result is displayed.

Press ◀/▶ on the remote controller to check the settings. Press ENTER with "Save" selected. To have the settings reflected for all the speakers, select "On (All Channels)" in the next screen and press ENTER on the remote controller.

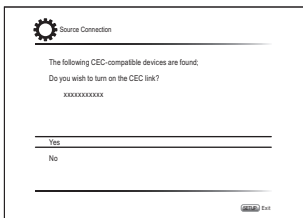
- Select "On (Except Front Left / Right)" to disable just the front speakers.
- If there is an error message, follow the on-screen instruction to remove the error cause. If the subwoofer was not detected, turn the volume of the subwoofer up to maximum and then select "Retry".

About THX playback

THX recommends setting the speakers manually if you use THX-certified speakers or playing back with THX listening modes.

- THX recommends setting the crossover frequency to "80Hz(THX)" manually.
- Due to the electrical complexities and the interaction with the room, you may notice irregular results when setting the level or distance of each speaker. If this happens, THX recommends setting the speakers and the subwoofer manually.

7. When "Please unplug setup microphone." is displayed, disconnect the microphone.



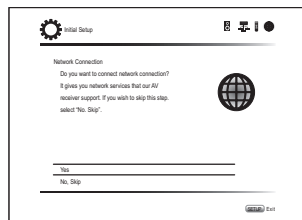
If you select "Yes", the connection with ARC compatible TV and HDMI Standby Through function will be set to "On" and enabled.

3 Remote Mode Setup



You can enable operation of the other components using the remote controller of the unit. When the Remote Mode Setup start screen is displayed, select "Yes, Continue" with the cursors and press ENTER on the remote controller. Follow the guidance to select the desired REMOTE MODE button and in the keyboard screen, enter the first three characters of the brand name of the device you are going to program and search for the remote control code. The guidance will also explain how to set the remote controller.

4 Network Connection



You can check the network connection and make the Wi-Fi setting. When the Network Connection start screen is displayed, select "Yes" with the cursors and press ENTER on the remote controller. If you select "Wired" in the next screen, you can view the LAN cable connection status. To make the Wi-Fi setting, select "Wireless", press ENTER on the remote controller and follow the sections below.

Make the following preparations.

Wi-Fi connection requires an access point such as wireless LAN router (*). Write down the SSID and password (key) of the access point if they are shown in the label of the main body. If the access point has an automatic setting button (may be called differently according to the manufacturer), you can set up without inputting the password.

For how to use the automatic setting button of the access point, refer to its instruction manual.

* The unit supports Wi-Fi connection with 2.4 GHz access point.

1. Select the method of Wi-Fi connection with the cursors and press ENTER.

Scan Networks: Search for an access point such as a wireless LAN router for this unit.

Use iOS Device (iOS7 or later): If you are using an iOS device, you can connect easily with Wi-Fi just by sharing the iOS device's Wi-Fi settings with this unit.

■ If you selected "Scan Networks"

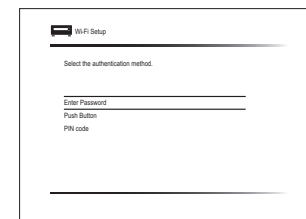
2. Select the SSID of the access point to be connected with the cursor buttons and press ENTER.

When the SSID of the access point appears on the TV screen, select the desired access point.

- If you changed the initial setting of the access point to skip password entry, step 3 is unnecessary.
- If you changed the initial setting of the access point to hide the SSID, see "When the access point is not displayed".

3. Select and set the authentication method.

The "Enter Password" screen may be displayed automatically if the wireless LAN router does not have an automatic setting button.



When this screen is displayed, select and set one of the three authentication methods: "Enter Password", "Push Button" and "PIN code". See below for details of and how to set each method.

Enter Password: Enter the password of the access point to establish connection.

- ① Select "Enter Password" with the cursor buttons and press ENTER.
- ② Enter the password (*) on the keyboard screen, select "OK" with the cursor buttons and press ENTER.

* Select "A/a" and press ENTER to toggle between upper and lower case. Select "←" or "→" and press ENTER to move the cursor to the selected direction. Select and press ENTER to delete the character at the left of the cursor position. To select whether to mask the password with "*" or display it in plain text, press D on the remote control. Press +10 on the remote controller to switch between upper and lower case. Press CLR to delete all the input characters.

- ③ If the security method of the access point to be connected is WEP, select "Default Key ID", and press ENTER.

Push Button: Use the automatic setting button of the access point to establish connection.

- ① Select "Push Button" with the cursor buttons and press ENTER.
- ② Hold down the automatic setting button of the access point for the necessary seconds, select "OK" with the cursor buttons and press ENTER.

PIN code: Select this method when the automatic setting button of the access point is beyond the reach. Select "PIN code" with the cursor buttons and press ENTER to display the 8-digit PIN code. Register the displayed PIN code to the access point, select "OK" with the cursor buttons and press ENTER. For how to register the PIN code to the access point, refer to its instruction manual.

4. Select "Yes, Start to Check" in the network connection confirmation screen.

When the access point is not displayed

Select "Other..." with the ► cursor on the remote controller and press ENTER to display the keyboard screen. Input the SSID and password. Make the following settings according to the router setting.

■ WPA/WPA2 method

Select "WPA" or "WPA2" in "Security Method", and press ENTER.

■ WEP method

Select "WEP" in "Security Method" and select "Default Key ID", and press ENTER.

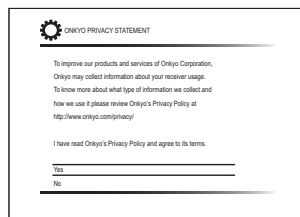
- If encryption setting has not been made on the wireless LAN router, select "None" in "Security Method", and press ENTER.

■ When "Use iOS Device (iOS7 or later) is selected

2. On the iOS device, go to "Settings"-"Wi-Fi" and turn on the setting, then select this unit in "SETUP NEW AIRPLAY SPEAKER".
3. Tap "Next".
4. Select "Yes, Start to Check" in the network connection confirmation screen.

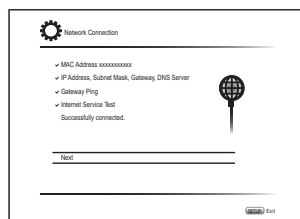
* Privacy policy

A confirmation screen asking you to agree to the privacy policy is displayed during network setting. Select "Yes" and press ENTER to indicate agreement.



■ If connection is successful

"Successfully Connected" is displayed on the screen.



If this is not displayed, try doing the setting again. If "Push Button" connection with the wireless LAN router does not work, try "Enter Password".

■ Terminating initial setup

After finishing the initial setup, keep "Finished" selected and press ENTER on the remote controller. Connection and setting of the unit is now complete.

Audio output of connected players

To enjoy digital surround sound including Dolby Digital and DTS, audio output should be set to "Bitstream output" on the connected Blu-ray Disc Player or other device. Depending on the settings on the Blu-ray Disc Player there may be cases when Dolby TrueHD, Dolby Atmos, and DTS-HD Master Audio audio is not output according to the format of the source. In this case, in the Blu-ray Disc Player settings try setting "BD video supplementary sound" (or secondary sound) to "Off". Change the listening mode after changing the setting to confirm.

Step 3: Playing Back

1 Basic operations

RCV

● **To control the unit:** The remote controller of this unit has the remote mode function for controlling other devices. You cannot control this unit when the remote controller is in the remote mode other than RECEIVER mode (for controlling this unit). Be sure to press the ①RCV button to select the RECEIVER mode before starting operation.

1. Turning the power on.

Press ②⏻ RECEIVER on the remote controller to turn the power on.

- Switch the input on the TV to that assigned to the unit. Use the TV's remote controller.

2. Select the input on the unit.

Press the ③INPUT SELECTOR button with the same name as the jack used for connection. For example, press the BD/DVD button to play the player connected to the BD/DVD jack. Press TV to listen the TV's sound.

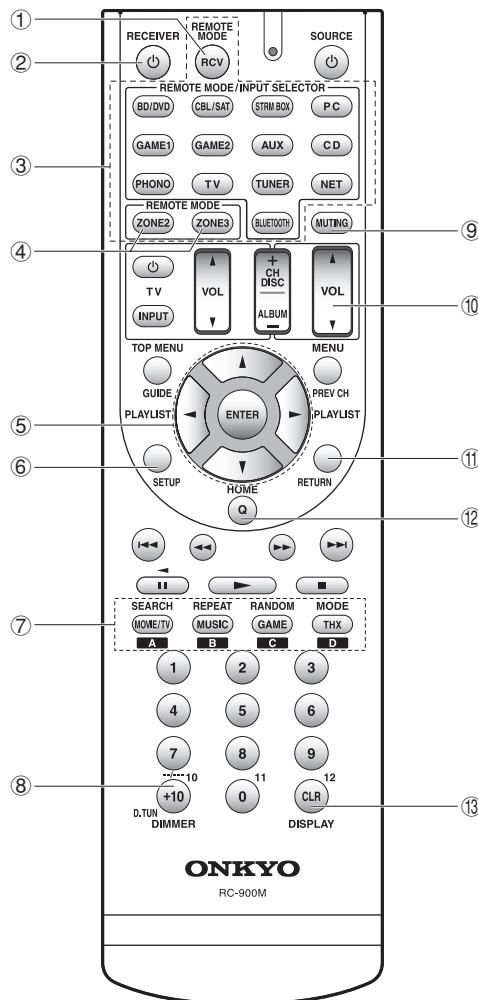
- Input will automatically be selected if the TV or player is CEC compliant and connected to the unit with HDMI cable.

3. Select the desired listening mode.

After pressing ①RCV, press the ⑦ listening mode buttons to switch the mode so that you can enjoy different listening modes.

4. Adjust the volume with ⑩ VOL.

Remote controller parts name



- ① **RCV button:** Switches the remote controller to the mode for operating this unit.
- ② **RECEIVER button:** Turns the unit on or into standby mode.
- ③ **REMOTE MODE/INPUT SELECTOR buttons:** Switches the input to be played. Each button is assigned to the following jacks.

Button	Jack	Button	Jack
BD/DVD	BD/DVD	GAME 2	GAME 2
CBL/SAT	CBL/SAT	AUX	AUX
STRM BOX	STRM BOX	CD	CD
PC	PC	PHONO	PHONO
GAME 1	GAME 1	TV	TV

- Use the TUNER button for AM/FM radio, the NET button for network features such as Internet radio and USB playback, and the BLUETOOTH button for BLUETOOTH features.

- After registering a particular remote control code to a button, you can switch the remote control mode to operate other equipment by pressing that button.

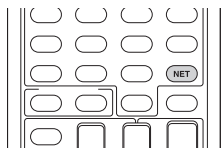
- ④ **ZONE2, ZONE3 buttons:** For use when the unit is connected with a pre-main amplifier and speakers in a separate room and sound is played there.
- ⑤ **Cursor buttons and ENTER button:** Moves the cursor and confirms the selection.
- ⑥ **SETUP button:** Displays the screen for making various settings for this unit.
- ⑦ **Listening mode buttons:** Allows you to select the listening mode.
 - MOVIE/TV button:** You can select a listening mode suitable for movies and TV programs.
 - MUSIC button:** You can select a listening mode suitable for music.
 - GAME button:** You can select a listening mode suitable for games.
 - THX button:** You can select a THX listening mode.
 - For details on the listening modes, see the Advanced Manual.
- ⑧ **DIMMER button:** Switches the brightness of the display.

- ⑨ **MUTING button:** Temporarily mutes audio. Press again to cancel muting.
- ⑩ **VOLUME buttons:** Allows you to adjust the volume. This button also cancels the muting.
- ⑪ **RETURN button:** Returns the display to the previous state.
- ⑫ **Q button:** Displays the Quick Setup menu that allows you to quickly access the frequently used setting items including sound quality adjustment.
- ⑬ **DISPLAY button:** Switches the information on the display.

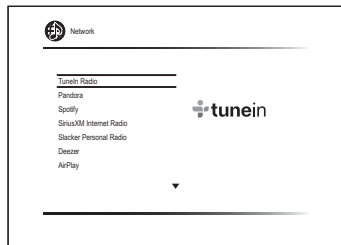
2 Network Functions

You can enjoy sources such as Internet radio by connecting the unit to a network. For details on the operation, see the Advanced Manual.

- The operations described in this section are not displayed on the TV when the OSD (the feature to show information such as setting menus on the TV) language is set to "Chinese". Operate by confirming the display on the main unit. (European, Australian and Asian models)



Press NET on the remote controller to display the NET TOP screen on the TV. Select the item with the cursors of the remote controller and press ENTER to confirm your selection. To return to the previous screen, press RETURN.



Internet Radio services

The unit comes preset with Internet radio services such as Tuneln Radio. After selecting the desired service, follow the on-screen instructions, using the cursors to select radio stations and programs, then press ENTER to play.

- Network services or contents may become unavailable if the service provider terminates its service.
- Available services may vary depending on your area of residence.

DLNA

You can play music files stored in the PC or NAS device connected to the network. Select the server with the cursors, select the desired music file and press ENTER to start playback.

- This unit needs to be connected to the same router as a computer or NAS device.

Home media

You can play music files in a shared folder on the PC or NAS device connected to the network. Select the server with the cursors, select the desired music file and press ENTER to start playback.

- This unit needs to be connected to the same router as a computer or NAS device.

USB

Play music files on a USB storage device. Connect the USB storage device to the USB jack on the rear of the unit, select the desired folder or music file with the cursors, and press ENTER to confirm and start playback.

3 AirPlay®

You can enjoy the audio from iPhone®, iPod touch®, iPad® and PCs with iTunes.

Important: The iOS device or PC needs to be connected to the network through the same router as this unit.

■ Playing music files from an iPhone, iPod touch, or iPad

Update the OS version on your iOS device to the latest version before connecting it to this unit.

1. Press NET on the remote controller.
2. Tap the AirPlay icon on the iPhone, iPod touch, or iPad, select this unit from the list of devices displayed, and click "Done".



- The AirPlay icon is displayed in the control center under iOS 7 and later. To display the control center, swipe from the bottom of the screen of the iOS device.
- If the AirPlay icon is not displayed, confirm that this unit and the iOS device are both connected to the router correctly.

3. Playing music files from an iPhone, iPod touch, or iPad.

■ Playing music files from a computer

- AirPlay is compatible with iTunes 10.2 or later.

1. Press NET on the remote controller.
2. Switch on your computer and start iTunes.

3. Click the AirPlay icon in iTunes and select this unit from the list of devices displayed.

4. Playing iTunes music files.

- If "6. Hardware"->"Power Management"->"Network Standby" is set to "On" in the Setup menu, then once AirPlay starts, this unit switches on automatically and the "NET" input source can be selected. Even if this setting is "Off", if the unit is already on then the "NET" input source can be selected.
- Information such as the name of the track is displayed on the unit's display during AirPlay playback.
- 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.
- There may be some differences in how operations are performed depending on the iOS or iTunes version.
- OSD are not displayed when the OSD language is set to "Chinese". Operate by confirming the display on the main unit. (European, Australian and Asian models)

Volume: The volume of this unit and the AirPlay-enabled device are linked. Take care that the volume doesn't become too loud when you adjust the volume on the AirPlay-enabled device. You may damage the unit or the speakers. Stop play on the AirPlay-enabled device immediately if the volume becomes too loud at any point.

4 BLUETOOTH® function

You can wirelessly enjoy music files stored in a smartphone or other BLUETOOTH enabled device. The coverage area is 48 feet (15 meters).

- Note that connection is not always guaranteed with all BLUETOOTH enabled devices.

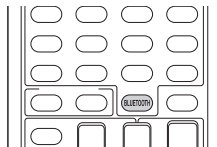
■ Pairing

Pairing is necessary when connecting the BLUETOOTH enabled devices for the first time. Before starting the

procedure, learn how to enable the BLUETOOTH setting function and to connect with other devices on the BLUETOOTH enabled device.

1. Press BLUETOOTH on the remote controller.

The unit begins pairing and "Now Pairing..." is displayed.



2. While "Now Pairing..." is on the display, complete connection on the BLUETOOTH enabled device in the nearby area within about 2 minutes.

If the name of this unit is displayed on the BLUETOOTH enabled device's display, select this unit. Pairing will end after a short time.

- If a password is requested, enter "0000".
- You can pair with another BLUETOOTH enabled device by pressing and holding the BLUETOOTH button while "Now Pairing..." is on the display. This unit can store the data of up to eight paired devices.

■ Playing BLUETOOTH enabled devices

If the unit is on and the BLUETOOTH enabled device is connected, the input will be automatically switched to BLUETOOTH. Play music in this state.

- It may take about a minute until connection is established when the unit is on since the BLUETOOTH function takes some time to start up.
- If the volume setting on the BLUETOOTH enabled device is low, the sound will not be output from this unit.
- 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.
- OSD are not displayed when the OSD language is set to "Chinese". Operate by confirming the display on the main unit. (European, Australian and Asian models)

5 AM/FM Radio

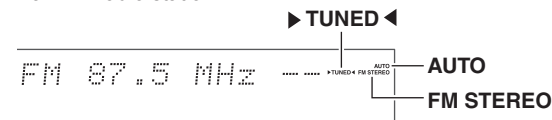
The Basic Manual explains the method using automatic tuning. For manual tuning, see the Advanced Manual.

1. Press the TUN button on the main unit several times to select either "AM" or "FM".

2. Press TUNING MODE on the unit, so that the "AUTO" indicator on the display lights.

3. Press TUNING ▼▲ on the unit.

The automatic tuning to a radio station starts. Searching stops when one is tuned. When tuned into a radio station, the "►TUNED◀" indicator on the display lights. The "FM STEREO" indicator lights if the radio station is an FM radio station.



Actual display varies depending on the country or region

Registering a radio station: You can register up to 40 of your favorite AM/FM radio stations.

1. Tune into the AM/FM radio station you want to register.
 2. Press MEMORY on the unit so that the preset number on the display flashes.
 3. Repeatedly press PRESET ◀▶ on the unit to select a number between 1 and 40 while the preset number is flashing (about 8 seconds).
 4. Press MEMORY again on the main unit to register the station.
When registered, the preset number stops flashing. To select a preset radio station, press PRESET ◀▶ on the main unit or CH +/- on the remote controller.
- To delete a registered preset station, press the PRESET ◀▶ button on the main unit, select the preset number you want to delete, then while holding down the MEMORY button, press the TUNING MODE button. When deleted, the number on the display goes off.

AM/FM frequency step setting

It may be necessary for you to change the frequency step to tune the radio in your area. Change the step with the following procedure. Note that when this setting is changed, all radio presets are deleted.

- 1 After pressing RCV on the remote controller, press SETUP.
- 2 Select "6. Hardware" with the cursor and press ENTER.
- 3 Select "Tuner" with the cursor and press ENTER.
- 4 Select "AM/FM Frequency Step" (North American models) or "AM Frequency Step" (European, Australian and Asian models) with the cursor and select the frequency step for your area.

6 Multi-zone

You can listen to audio in a room (called Zone 2 or Zone 3) other than the one where this unit is located (called the main room). You can also output video and audio to a TV in the separate room (Zone 2) via HDMI.

■ Sources you can playback

- External players (*1)
- NET (*2)
- BLUETOOTH
- AM/FM Radio

*1 In Zone 2, you can play equipment connected to any of the HDMI IN1 to IN5 jacks, DIGITAL IN COAXIAL/OPTICAL jacks, or AUDIO IN jacks. Note that only analog or 2-channel PCM audio signals can be played and that some players require audio output setting. Only players connected to the AUDIO IN jack by analog connection can be played in Zone 3.

*2 DSD and Dolby TrueHD audio cannot be played in Zone 2/Zone 3.

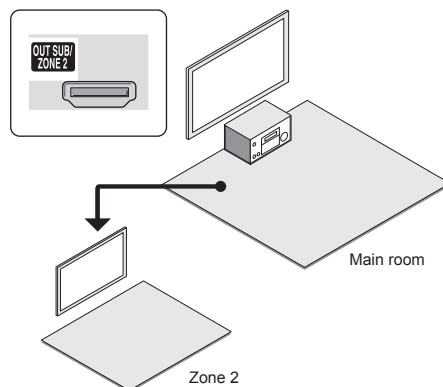
Making Multi-zone Connection

There are the following three methods of connection.

- Simultaneous playback in all zones is also possible.
- a. Connecting a TV in a separate room
- b. Connecting with an integrated amplifier or power amplifier in a separate room
- c. Connecting with speakers in a separate room

■ a. Connecting a TV in a separate room

You can play video and audio of the HDMI connected player on the TV in a separate room. With an HDMI cable, connect between the HDMI OUT SUB/ZONE 2 jack of the unit and the HDMI IN jack of the TV in a separate room.



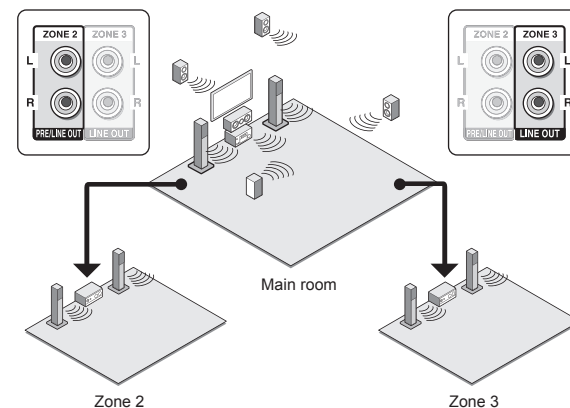
Settings are required: Press RCV and then SETUP on the remote controller, select "1. Input/Output Assign" - "TV Out" and set the "Zone 2 HDMI" setting to "Use".

- The information for a connected device can be displayed on the TV screen in a separate room. Press the ZONE2 button on the remote controller to select Zone 2 and press DISPLAY.
- Adjust the volume on the TV in the separate room.

■ b. Connecting with an integrated amplifier or power amplifier in a separate room

It is possible to play 2 ch source in a separate room while 7.1 ch source is being played in the main room. Connect the PRE/LINE OUT ZONE2 jacks or LINE OUT ZONE3 jacks of the unit and the line-in jacks of the integrated amplifier in a separate room with an RCA cable.

Settings are required to listen to HDMI input audio in Zone 2: Press RCV and then SETUP on the remote controller, select "1. Input/Output Assign" - "TV Out" and set the "Zone 2 HDMI" setting to "Use".



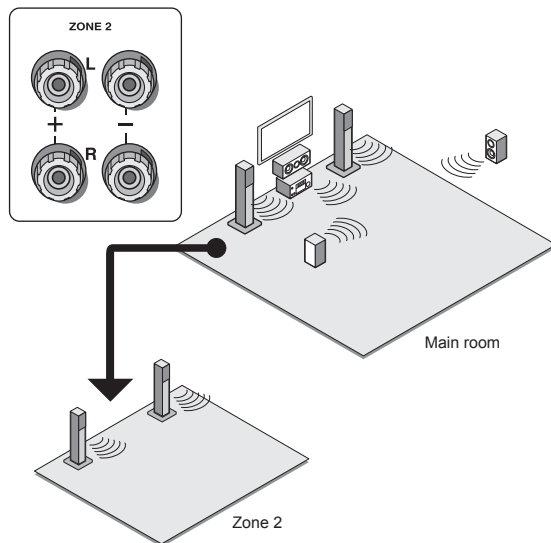
Zone 2 audio can be adjusted with both the unit and the pre-main amplifier used in the separate room. Zone 3 audio should be adjusted with the pre-main amplifier used in the separate room.

Settings are required to adjust audio in Zone 2 using this unit: Press RCV and then SETUP on the remote controller, select "3. Audio Adjust" - "Multi Zone" and set the "Zone 2 Out" setting to "Variable". Be sure to make this setting if you connect a power amplifier. If you do not, the volume output may be big enough to cause damage.

■ c. Connecting with speakers in another room

Connect the speakers in another room to the ZONE2 speaker terminals of the unit using speaker cables. Note that 5.1 ch will be the maximum (*) in the main room during Zone 2 playback. No sound will be output from the back speakers and height speakers.

* In this case, the Dolby Atmos listening mode cannot be selected.



These settings are required: After connecting the speakers, press RCV and then SETUP on the remote controller, select "2. Speaker" - "Configuration" and set "Powered Zone 2" to "Yes".

Settings are required to listen to HDMI input audio in Zone 2: Press RCV and then SETUP on the remote controller, select "1. Input/Output Assign" - "TV Out" and set the "Zone 2 HDMI" setting to "Use".

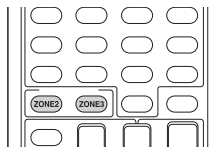
Performing Multi-zone Playback

It is possible to perform playback in the main room and a separate room at the same time, for example by playing the Blu-ray Disc player in the main room where the unit is placed while playing Internet radio in a separate room. It is also possible to perform playback only in a separate room.

- With external players, it is possible to play the same source or different sources in the main room and separate room.
- With "NET" and "BLUETOOTH", you cannot select different inputs for the main room and separate room. For example, if "NET" has been selected in the main room and then "BLUETOOTH" is selected as playback source in the separate room, the input in the main room will change to "BLUETOOTH" accordingly. Furthermore, you cannot select separate network services for the main room and a separate room with the "NET" input.
- When listening to AM/FM broadcasting, you cannot select different stations for the main room and separate room. Therefore broadcasting of the same station will be heard in the both rooms.
- If you have connected the same player by HDMI in the main room and in a separate room, input to this unit (the main room) will be 2-channel PCM.

Playing Back

1. **Press ZONE2 or ZONE3 on the remote controller, point the remote controller at the main unit and press $\odot$ RECEIVER.** "Z2" or "Z3" lights on the main unit display and the multi-zone function is enabled. (Zone 2 or Zone 3 is now on.)



2. **Press ZONE2 or ZONE3 again on the remote controller and press INPUT SELECTOR of the input to be played in a separate room.**
 - If you turn the unit to standby during multi-zone playback, the Z2/Z3 indicators are dimmed and the

playback mode is switched to playback in a separate room only. Performing steps 1 and 2 while the unit is in standby also switches the playback mode to playback in a separate room only. To play the same source in the main room and separate room, hold down ZONE2 or ZONE3 for approximately 3 seconds.

To control on the main unit: press ZONE2 or ZONE3 and within 8 seconds, press the input selector button of the source to be played in the other room. To play the same source in the main room and separate room, press ZONE2 or ZONE3 twice.

To adjust the audio in Zone 2

To adjust the volume, press ZONE2 on the remote controller and then adjust with VOL $\blacktriangle$ /VOL $\blacktriangledown$. You can also temporarily mute sound by pressing MUTING. To control on the main unit, press ZONE2 and within 8 seconds, adjust with the MASTER VOLUME control.

To adjust the sound quality, press ZONE2 on the main unit and press TONE several times to display "Bass", "Treble" or "Balance" on the main unit display, then turn the dial to adjust.

To turn off the function

After pressing ZONE2 or ZONE3 on the remote controller, press $\odot$ RECEIVER. To control on the main unit, press ZONE2 or ZONE3 and press $\odot$ ON/STANDBY.

- Power consumption in standby mode increases when the multi-zone function is being used.
- If Zone 2 or Zone 3 is turned on when the listening mode of the main room is Pure Audio, it will automatically switch to the Direct listening mode.
- While using the multi-zone function, the RI linked system function (link between Onkyo components) is disabled.
- Pressing INPUT SELECTOR on the remote controller while you are using the remote controller for Zone 2 or Zone 3 will switch the controlled target to the main room. To control Zone 2 or Zone 3 again, press the ZONE2 or ZONE3 button to enter the Zone control mode.

WHOLE HOUSE MODE: If you press WHOLE HOUSE MODE while playback is being performed in the main room, the WHOLE HOUSE MODE is turned on, "Z2" and "Z3" on the display light at the same time and the playback sources of all the rooms are switched to the same source at once.

- The sources that can be played in Zone 2 can be played in all rooms.
- This function cannot be used if headphones are connected or audio is output from the speakers of the TV.

7 Quick Setup menu

You can perform common settings on the television screen while playing.

1. Press Q on the remote controller.

The Quick Setup menu is displayed on the connected TV's screen.



2. Select the items with the cursors on the remote controller and then press ENTER.

- To return to the previous screen, press RETURN.

3. Select the content with the cursors of the remote controller.

■ **Listening Mode:** Select the listening mode from the categories of "MOVIE/TV", "MUSIC", "GAME" and "THX". After selecting, press ENTER button to confirm.

- It cannot be set when audio is played from the TV's speakers.

■ **Audio:** You can perform various audio settings including audio quality and speaker level adjustment.

- You cannot select this item when audio is output from the TV's speakers.

Bass, Treble: Adjust volume of the front speaker.

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

Phase Matching Bass: Suppress phase shift in the midrange to enhance bass sound. Thus smooth and powerful bass sound can be obtained.

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

Center Level, Subwoofer Level: Adjust the speaker level while listening to the sound. The adjustment you made will be reset to the previous status when you turn the unit to standby mode.

- Changes may not be possible depending on the speaker settings.
- This setting is not possible during MUTEING or when using headphones.

Speaker Layout: Select the speakers to prioritize when back speakers and height speakers are connected at the same time.

- Changes may not be possible depending on the speaker settings.

A/V Sync: 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 Audio or Direct.

AccuEQ Room Calibration: Enable or disable the settings made by automatic speaker setting. If this is to be enabled, then normally you should select "On (All Ch)", and to disable just the front speakers you should select "On (ex. L/R)". The setting can be separately set to each input selector.

- This setting cannot be selected if the automatic speaker setting has not been performed.
- It cannot be set if headphones are connected or the listening mode is Pure Audio or Direct.

Equalizer: Select "Preset1" to "Preset3" configured in "2. Speaker" - "Equalizer Settings" in the Setup menu. The same sound field setting is applied all ranges when set to "Off".

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

Music Optimizer: 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 Pure Audio or Direct.

Late Night: Make small sounds to be easily heard. It is useful when you need to reduce the volume while watching a movie late night. You can enjoy the effect only with Dolby Digital, Dolby Digital Plus, Dolby TrueHD, and DTS sources.

- Turning the unit to standby mode will set the setting to "Off". In case of Dolby TrueHD, the setting will be set to "Auto".
- The setting cannot be used in the following cases.
 - If "3. Audio Adjust" - "Dolby" - "Loudness Management" in the Setup menu is set to "Off" when playing Dolby Digital Plus or Dolby TrueHD
 - When the input signal is DTS and "Dialog Control" is other than 0 dB

Re-EQ, Re-EQ(THX): Adjust the soundtrack that was processed to enhance its treble, in order to make it suitable for home theater.

- This function can be used in the following listening modes: Dolby Digital, Dolby Digital Plus, Dolby TrueHD, Multichannel, DTS, DTS-ES, DTS 96/24, DTS-HD High Resolution Audio, DTS-HD Master Audio, and DTS Express.
- In Re-EQ(THX), the following listening modes can be used: THX Cinema, THX Surround EX, and THX Select2 Cinema.

Center Spread: Adjust the width of the sound field of the front channel when playing in the Dolby Surround listening mode.

To spread the width of the sound field to the left and right, set to "On". To concentrate sound in the center, set to "Off".

- Depending on the speaker settings, this becomes "Off".

Dialog Control: You can increase the dialog portion of the audio in 1 dB steps up to 6 dB so that you can make dialog easier to hear over background noise.

- This cannot be set for content other than DTS:X.
- The effect may not be selectable with some content.

■ HDMI :

HDMI OUT: Select the HDMI OUT jack to be used for output.

Control TV: Set whether to enable the CEC link function for TVs connected through one of the HDMI OUT MAIN or SUB jacks.

■ Information:

Audio: Displays the audio input source, format, number of channels, sampling frequency, listening mode, and number of output channels.

Video: Displays information such as the video input source, resolution, color space, color depth, 3D information, aspect ratio, and output.

Tuner: Displays information such as the band, frequency, and preset number. This is displayed only when "TUNER" is selected as the input source.

8 Other useful functions

To adjust the sound quality

It is possible to enhance or moderate the bass and treble of front speakers. Press TONE on the main unit several times to select the desired setting from "Bass", "Treble" and "Phase Matching Bass", and turn the TONE dial to adjust.

- This cannot be set if the listening mode is Pure Audio,

Direct, or THX.

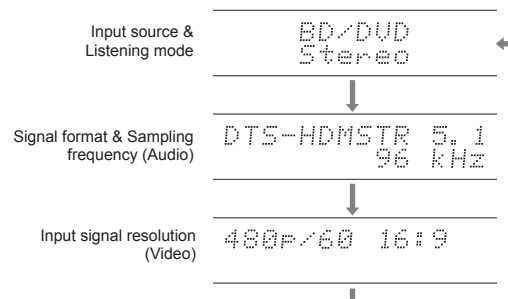
"Bass": Allows you to enhance or moderate the bass.

"Treble": Allows you to enhance or moderate the treble.

"Phase Matching Bass": Allows you to keep the clear midrange and effectively enhance the bass.

Checking the Input Format

Press DISPLAY on the remote controller several times to switch the display of the main unit in order of:



- If "Dolby D 5.1" is displayed in Signal format, the Dolby Digital 5.1 ch signals are being input. When listening to AM/FM radio, the band, frequency and preset number are displayed.

Playing Audio and Video from Separate Sources

It is possible to play audio and video from different sources. For example, you can play audio from the CD player and video from the BD/DVD player. In this case, press BD/DVD on the remote controller and then CD. Then start playback on the BD/DVD player and CD player. This function is effective when an input with audio only has been selected (CD, NET, BLUETOOTH, TUNER, and PHONO in the initial setting). (※)

- ※ When NET or BLUETOOTH is selected, press either the NET or BLUETOOTH button then press MODE on the remote controller.

Troubleshooting

Before starting the procedure

Problems may be solved by simply turning the power on/off or disconnecting/connecting the power cord, which is easier than working on the connection, setting and operating procedure. Try the simple measures on both the unit and the connected device. If the problem is that the video or audio is not output or the HDMI linked operation does not work, disconnecting/connecting the HDMI cable may solve it. When reconnecting, be careful not to wind the HDMI cable since if wound the HDMI cable may not fit well. After reconnecting, turn off and on the unit and the connected device.

The AV receiver turns off unexpectedly.

- The AV receiver will automatically enter standby mode when Auto Standby or Sleep Timer is set and launched.
- The protective circuit function may have been activated. If this has occurred, "AMP Diag Mode" appears on the display when the unit is turned on again, and the unit enters diagnostic mode. If the results of the diagnosis is that there is no problem, the "AMP Diag Mode" display disappears and you can use the unit normally again. If "CHECK SP WIRE" appears on the display, the speaker cables may be short-circuited. Make sure bare speaker wires are not touching each other or the back panel of the unit, then turn the unit on again. If "NG" is displayed, immediately unplug the power cord from the wall outlet and contact your Onkyo dealer.

There's no sound, or it's very quiet.

- A wrong input selector button has been selected. Select a correct input for the player. Also check that muting is not on.
- Not all listening modes use all speakers.

There's no picture.

- A wrong input selector button has been selected.
- Video input through analog jacks is not displayed if the listening mode is Pure Audio.
- To display video from the connected player on the TV screen while the unit is in standby, you need to enable HDMI Standby Through function.
- When the TV image is blurry or unclear, power code or

connection cables of the unit may have interfered. In that case, keep distance between TV antenna cable and cables of the unit.

- If you connect a player supporting HDCP2.2, be sure to connect it to one of the HDMI IN1 to IN5 jacks of the unit.

Video and audio are out of synch

- Video may be delayed relative to audio depending on the settings and connections with your television. Adjust in "Step 3: Playing Back", "7 Quick Setup menu", "A/V Sync".

Cannot play digital surround

- To enjoy digital surround sound including Dolby Digital and DTS, audio output should be set to "Bitstream output" on the connected Blu-ray Disc Player or other device.

Cannot output audio such as Dolby Atmos according to the format of the source.

- If you cannot output formats such as Dolby TrueHD, Dolby Atmos, or DTS-HD Master Audio according to the format of the source, in the Blu-ray Disc Player settings try setting "BD video supplementary sound" (or secondary sound) to "Off". Change the listening mode for each source after changing the setting to confirm.

HDMI control does not function correctly.

- Set the CEC link function of the unit to on. It is also necessary to make the HDMI linked system setting on the TV. See the TV's instruction manual for details.

Cannot access to network.

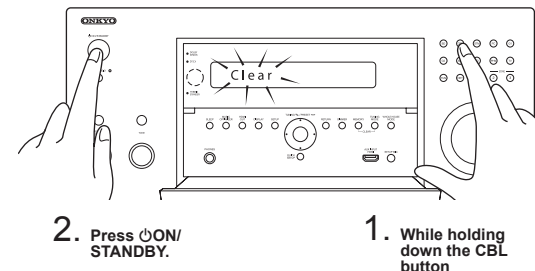
- Try plugging/unplugging the unit or the wireless LAN router or check their power-on status. This will work well in many cases.
- If the desired wireless LAN router is not in the access point list, it may be set to hide SSID or the ANY connection may be off. Change the setting and try again.

Resetting the unit

Resetting the unit to the status at the time of shipment may solve the problem. If the measures above do not solve the problem, reset the unit with the following procedure. If you reset the unit status, your preferences will be reset to the defaults. Note them down before starting reset.

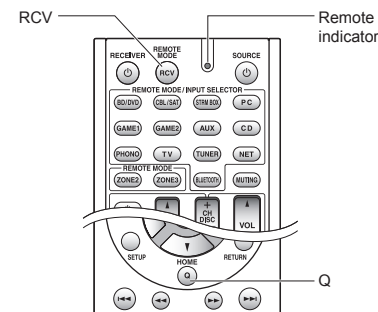
How to reset:

1. While holding down CBL on the main unit (note that step 2 must be performed with this button pressed down)
2. Press **ON/STANDBY** on the main unit ("Clear" appears on the display and the unit returns to standby)
 - Do not unplug the power cord until "Clear" disappears from the display.



How to reset the remote controller:

1. While holding down RCV on the remote controller, press **Q** until the remote indicator stays lit (about 3 seconds).
2. Within 30 seconds, press **RCV** again.



Specifications

Amplifier Section

Rated Output Power (North American)

With 8 ohm loads, both channels driven, from 20-20,000 Hz; rated 140 watts (TX-RZ900)/135 watts (TX-RZ800) per channel minimum RMS power, with no more than 0.08% total harmonic distortion from 250 milliwatts to rated output.

Surround Mode Output Power (*)

(6 ohms, 1 kHz THD 0.9%) 200 W (TX-RZ900)/185 W (TX-RZ800) per channel

* Reference output for each speakers.

Depending on the source and the listening mode settings, there may be no sound output.

Rated Output Power (Others)

7 ch × 200 W (TX-RZ900)/185 W (TX-RZ800) at 6 ohms, 1 kHz, 1 ch driven of 1% (IEC)

Maximum Effective Output Power

7 ch × 235 W (TX-RZ900)/215 W (TX-RZ800) at 6 ohms, 1 kHz, 1 ch driven (JEITA) (Asian)

Dynamic Power (*)

* IEC60268-Short-term maximum output power

320 W (TX-RZ900)/300 W (TX-RZ800) (3 Ω, Front)

270 W (TX-RZ900)/250 W (TX-RZ800) (4 Ω, Front)

160 W (TX-RZ900)/150 W (TX-RZ800) (8 Ω, Front)

THD+N (Total Harmonic Distortion+Noise)

0.08% (20 Hz - 20 kHz, half power)

Input Sensitivity and Impedance

200 mV/47 kΩ (LINE, 1 kHz 100 W/8 Ω)

3.5 mV/47 kΩ (PHONO MM)

Rated RCA Output Level and Impedance

1 V/470 Ω (PRE OUT)

1 V/470 Ω (SUBWOOFER PRE OUT)

100 mV/2.2 kΩ (ZONE2 LINE OUT)

1 V/2.2 kΩ (ZONE2 PRE OUT)

Phono Overload

70 mV (MM 1 kHz 0.5% Direct)

Frequency Response

5 Hz - 100 kHz/+1 dB, -3 dB (Direct mode)

Tone Control Characteristics

±10 dB, 20 Hz (BASS)

±10 dB, 20 kHz (TREBLE)

Signal to Noise Ratio

106 dB (LINE, IHF-A)

80 dB (PHONO MM, IHF-A)

Speaker Impedance

4 Ω - 16 Ω or 6 Ω - 16 Ω

Video Section

Signal Level

1.0 Vp-p/75 Ω (Component Y)

0.7 Vp-p/75 Ω (Component Pb/Cb, Pr/Cr)

1.0 Vp-p/75 Ω (Composite)

Component Video Frequency Response

5 Hz - 100 MHz/+0 dB, -3 dB

Corresponding maximum resolution

480i/576i (Component to HDMI)

720p/1080i (Component to Component)

Tuner Section

FM Tuning Frequency Range

87.5 MHz - 107.9 MHz (North American)

87.5 MHz - 108.0 MHz, RDS (Others)

AM Tuning Frequency Range

522/530 kHz - 1611/1710 kHz

Preset Channel

40

Network Section

Ethernet LAN

10BASE-T/100BASE-TX

Wireless LAN

IEEE 802.11 b/g/n standard

(Wi-Fi® standard)

2.4 GHz band:

1 - 11 ch (North American)

10 - 11 ch (Spain)

10 - 13 ch (France)

1 - 13 ch (Others)

(Wi-Fi® standard)

BLUETOOTH Section

Communication system

BLUETOOTH Specification version 2.1 +EDR (Enhanced Data Rate)

Maximum communication range

Line of sight approx. 15 m (*)

Frequency band

2.4 GHz band

Modulation method

FHSS (Freq Hopping Spread Spectrum)

Compatible BLUETOOTH profiles

A2DP 1.2 (Advanced Audio Distribution Profile)

AVRCP 1.3 (Audio Video Remote Control Profile)

Supported Codecs

SBC

Transmission range (A2DP)

20 Hz - 20,000 Hz (Sampling frequency 44.1 kHz)

* The actual range will vary depending on factors such as obstacles between devices, magnetic fields around a microwave oven, static electricity, cordless phone, reception sensitivity, antenna's performance, operating system, software application, etc.

General

Power Supply

120 V AC, 60 Hz (North American)

220 - 240 V AC, 50/60 Hz (Others)

Power Consumption

8.5 A (TX-RZ900)/7.8 A (TX-RZ800) (North American)

840 W (TX-RZ900)/720 W (TX-RZ800) (Others)

0.15 W (Stand-by, North American)

0.2 W (Stand-by, Others)

2.7 W (Network Standby)

95 W (TX-RZ900)/90 W (TX-RZ800) (No-sound)

Dimensions (W × H × D)

435 mm × 201.5 mm × 433.5 mm

17-1/8" × 7-15/16" × 17-1/16"

Weight

18.0 kg (39.7 lbs.) (TX-RZ900)/17.0 kg (37.5 lbs.) (TX-RZ800)

• HDMI

Input

IN1 (BD/DVD, HDCP2.2), IN2 (CBL/SAT, HDCP2.2), IN3 (STRM BOX, HDCP2.2), IN4 (PC, HDCP2.2), IN5 (GAME1, HDCP2.2), IN6 (GAME2), IN7, AUX INPUT HDMI (front)

Output

OUT MAIN, OUT SUB/ZONE2

Video Resolution

4K 60 Hz (RGB/YCbCr4:4:4/YCbCr4:2:2, 24bit)

Audio Format

Dolby Atmos, Dolby TrueHD, Dolby Digital Plus, Dolby Digital, DTS:X, DTS-HD Master Audio, DTS-HD High Resolution Audio, DTS 96/24, DTS-ES, DTS, DTS Express, Multichannel PCM (up to 8ch)

Supported

3D, Audio Return Channel, Deep Color, x.v.Color™, LipSync, CEC, 4K, Extended Colorimetry (sYCC601, Adobe RGB, Adobe YCC601), Content Type, 3D Dual View, 21:9 Aspect Ratio Video Format

• Video Inputs

Component

IN1 (BD/DVD), IN2 (GAME2)

Composite

IN1 (GAME1), IN2 (CBL/SAT), IN3 (STRM BOX)

• Video Outputs

Component

OUT

Composite

OUT

• Audio Inputs

Digital

OPTICAL 1 (STRM BOX), 2 (CD), 3 (TV)

COAXIAL 1 (BD/DVD), 2 (CBL/SAT)

Analog

BD/DVD, GAME2, PC, GAME1, CBL/SAT, STRM BOX, TV, CD, PHONO

• Audio Outputs

Analog

ZONE2 PRE/LINE OUT

ZONE3 LINE OUT

PRE OUT (FRONT L/R, CENTER, SURROUND L/R, BACK or HEIGHT L/R, 2 SUBWOOFER)

Speaker Outputs

FRONT L/R, CENTER, SURROUND L/R, BACK L/R, HEIGHT or Bi-AMP L/R, ZONE2 L/R

Phones

PHONES (Front, ø 6.3)

• Others

Setup Mic	1 (Front)
RS232	1
RI REMOTE CONTROL	1
USB	1 (Ver. 1.1, 5 V/1 A)
Ethernet	1
IR IN	1
12V TRIGGER OUT	1 (MAIN, 100 mA)

Multi language on-screen display

(North American) English, German, French, Spanish, Italian, Dutch, Swedish
(Others) English, German, French, Spanish, Italian, Dutch, Swedish, Russian, Chinese (*)

* OSD are not displayed when input is "NET" or "BLUETOOTH". Operate by confirming the display on the main unit.

Specifications and features are subject to change without notice.

Table of image resolutions

Refer to the following table for information about the image formats and resolutions output by this unit in response to input signals

Input \ Output		HDMI						
		4K	1080p/24	1080p	1080i	720p	480p/576p	480i/576i
HDMI	4K	✓						
	1080p/24		✓					
	1080p			✓				
	1080i				✓			
	720p					✓		
	480p/576p						✓	
	480i/576i							✓
Component	1080p							
	1080i							
	720p							
	480p/576p							
	480i/576i							✓
Composite	480i/576i							✓

Resolutions supported by HDMI

■ HDMI IN1 to IN5 (when using in the main room)

Copyright protection technology	Display resolution	Frame rate	Color space	Color Depth	Remarks
HDCP1.4 HDCP2.2	720 × 480i	60 Hz	RGB/YCbCr4:4:4/ YCbCr4:2:2	8/10/12/16 bit	With YCbCr4:2:2, only 12 bit Color Depth is supported.
	720 × 576i	50 Hz			
	720 × 480p	60 Hz			
	720 × 576p	50 Hz			
	1920 × 1080i	50/60 Hz			
	1280 × 720p	24/25/30/50/60 Hz			
	1680 × 720p	24/25/30/50/60 Hz			
	1920 × 1080p	24/25/30/50/60 Hz			
	2560 × 1080p	24/25/30 Hz			
		50/60 Hz			
	4K (3840 × 2160p)	24/25/30 Hz	RGB/YCbCr4:4:4	8/10/12/16 bit	
			YCbCr4:2:2	12 bit	
		50/60 Hz	RGB/YCbCr4:4:4	8bit	
			YCbCr4:2:2	12 bit	
	4K SMPTE (4096 × 2160p)	24/25/30 Hz	RGB/YCbCr4:4:4	8/10/12/16 bit	
			YCbCr4:2:2	12 bit	
		50/60 Hz	RGB/YCbCr4:4:4	8 bit	
			YCbCr4:2:2	12 bit	
			YCbCr4:2:0	8/10/12/16 bit	
			YCbCr4:2:0	8/10/12/16 bit	

■ HDMI IN1 to IN5 (when using in Zone 2)

Copyright protection technology	Display resolution	Frame rate	Color space	Color Depth	Remarks
HDCP1.4 HDCP2.2	720 × 480i	60 Hz	RGB/YCbCr4:4:4/ YCbCr4:2:2	8/10/12/16 bit	With YCbCr4:2:2, only 12 bit Color Depth is supported.
	720 × 576i	50 Hz			
	720 × 480p	60 Hz			
	720 × 576p	50 Hz			
	1920 × 1080i	50/60 Hz			
	1280 × 720p	24/25/30/50/60 Hz			
	1680 × 720p	24/25/30/50/60 Hz			
	1920 × 1080p	24/25/30/50/60 Hz			
	2560 × 1080p	24/25/30 Hz	RGB/YCbCr4:4:4 YCbCr4:2:2	8/10/12 bit	
		50/60 Hz		12 bit	
	4K (3840 × 2160p)	24/25/30 Hz	RGB/YCbCr4:4:4	8 bit	
		50/60 Hz	YCbCr4:2:2	12 bit	
			YCbCr4:2:0	8bit	
	4K SMPTE (4096 × 2160p)	24/25/30 Hz	RGB/YCbCr4:4:4 YCbCr4:2:2	8 bit 12 bit	
		50/60 Hz	YCbCr4:2:0	8 bit	

■ HDMI IN6, IN7, Front

Copyright protection technology	Display resolution	Frame rate	Color space	Color Depth	Remarks
HDCP1.4	720 × 480i	60 Hz	RGB/YCbCr4:4:4/ YCbCr4:2:2	8/10/12/16 bit	With YCbCr4:2:2, only 12 bit Color Depth is supported.
	720 × 576i	50 Hz			
	720 × 480p	60 Hz			
	720 × 576p	50 Hz			
	1920 × 1080i	50/60 Hz			
	1280 × 720p	24/25/30/50/60 Hz			
	1680 × 720p	24/25/30/50/60 Hz			
	1920 × 1080p	24/25/30/50/60 Hz			
	2560 × 1080p	24/25/30 Hz	RGB/YCbCr4:4:4 YCbCr4:2:2	8/10/12 bit	
		50/60 Hz		12 bit	
	4K (3840 × 2160p)	24/25/30 Hz	RGB/YCbCr4:4:4	8 bit	
		50/60 Hz	YCbCr4:2:2	12 bit	
	4K SMPTE (4096 × 2160p)	24/25/30 Hz	YCbCr4:2:0	8 bit	
			YCbCr4:2:0	8 bit	
		50/60 Hz	RGB/YCbCr4:4:4	8 bit	
			YCbCr4:2:2	12 bit	
		50/60 Hz	YCbCr4:2:0	8 bit	
			YCbCr4:2:0	8 bit	

Precautions

For U.S. Models

**FEDERAL COMMUNICATIONS COMMISSION
DECLARATION OF CONFORMITY**

This device complies with part 15 of the FCC Rules. Operation is subject to the following two conditions:

- (1) this device may not cause interference, and
- (2) this device must accept any interference, including interference that may cause undesired operation of the device.

Product Name: AV Receiver
Model Number: TX-RZ900/TX-RZ800
Responsible Party Name: Onkyo U.S.A. Corporation
Address: 18 PARK WAY, UPPER SADDLE RIVER,
NEW JERSEY 07458, USA
Phone: 1-800-229-1687

For European Models

Declaration of Conformity

We declare, under our sole responsibility, that this product complies with the standards:

- Safety
- Limits and methods of measurement of radio disturbance characteristics
- Limits for harmonic current emissions
- Limitation of voltage changes, voltage fluctuations and flicker
- RoHS Directive, 2011/65/EU



- Hereby, Onkyo Corporation, declares that this TX-RZ900/TX-RZ800 is in compliance with the essential requirements and other relevant provisions of Directive 1999/5/EC.
- С настоящето, Онкьо Корпорация, декларира, че TX-RZ900/TX-RZ800 е в съответствие със съществени изисквания и другите приложими разпоредби на Директива 1999/5/ЕО.
- Onkyo Corporation tímto prohlašuje, že TX-RZ900/TX-RZ800 splňuje základní požadavky a všechna příslušná ustanovení Směrnice 1999/5/ES.
- Undertegnede Onkyo Corporation erklærer herved, at følgende udstyr TX-RZ900/TX-RZ800 overholder de væsentlige krav og øvrige relevante krav i direktiv 1999/5/EF.
- Hiermit erklärt Onkyo Corporation, dass sich das Gerät TX-RZ900/TX-RZ800 in Übereinstimmung mit den grundlegenden Anforderungen und den übrigen einschlägigen Bestimmungen der Richtlinie 1999/5/EG befindet.
- Kaesolevaga kinnitab Onkyo Corporation seadme TX-RZ900/TX-RZ800 vastastu direktiivi 1999/5/EÜ põhinõuetele ja nimetatud direktiivist tulenevatele teistele asjakohastele sätetele.
- ΜΕ ΤΗΝ ΠΑΡΟΥΣΑ Ο ΚΑΤΑΣΚΕΥΑΣΤΗΣ Onkyo Corporation ΔΗΛΩΝΕΙ ΟΤΙ ΤΟ TX-RZ900/TX-RZ800 ΣΥΜΜΟΡΦΩΝΕΤΑΙ ΠΡΟΣ ΤΙΣ ΟΥΣΙΩΔΕΙΣ ΑΠΑΙΤΗΣΕΙΣ ΚΑΙ ΤΙΣ ΛΟΙΠΕΣ ΣΧΕΤΙΚΕΣ ΔΙΑΤΑΞΕΙΣ ΤΗΣ ΩΔΗΓΙΑΣ 1999/5/ΕΚ
- Por la presente, Onkyo Corporation, declara que este TX-RZ900/TX-RZ800 cumple con los requisitos esenciales y otras exigencias relevantes de la Directiva 1999/5/CE.

- Par la présente, Onkko Corporation déclare que l'appareil TX-RZ900/TX-RZ800 est conforme aux exigences essentielles et aux autres dispositions pertinentes de la directive 1999/5/CE.
- Con la presente Onkko Corporation dichiara che questo TX-RZ900/TX-RZ800 è conforme ai requisiti essenziali ed alle altre disposizioni pertinenti stabilite dalla direttiva 1999/5/CE.
- Ar šio Onkko Corporation deklarė, ka TX-RZ900/TX-RZ800 atbilst Direktīvas 1999/5/EK būtiskajām prasībām un citiem ar to saistītajiem noteikumiem.
- Šiuo Onkko Corporation deklaruoja, kad šis TX-RZ900/TX-RZ800 atitinka esminių reikalavimų ir kitas 1999/5/EB Direktyvos nuostatas.
- A Onkko Corporation ezzennel kijelenti, hogy a TX-RZ900/TX-RZ800 típusú berendezés teljesíti az alapvető követelményeket és más 1999/5/EK irányelvben meghatározott vonatkozó rendelkezéseket.
- Hierbij verklaart Onkko Corporation dat het toestel I TX-RZ900/TX-RZ800 in overeenstemming is met de essentiële eisen en de andere relevante bepalingen van richtlijn 1999/5/EG.
- Niniejszym Onkko Corporation deklaruje że TX-RZ900/TX-RZ800 jest zgodny z zasadniczymi wymaganiami i innymi właściwymi postanowieniami Dyrektywy 1999/5/EC.
- Eu, Onkko Corporation, declaro que o TX-RZ900/TX-RZ800 cumpre os requisitos essenciais e outras provisões relevantes da Directiva 1999/5/EC.
- Prin prezenta, Onkko Corporation, declară că aparatul TX-RZ900/TX-RZ800 este în conformitate cu cerințele esențiale și cu alte prevederi pertinente ale Directivei 1999/5/CE.
- Onkko Corporation tšymo vyhlašuje, že TX-RZ900/TX-RZ800 a spĺňa základné požiadavky a všetky príslušné ustanovenia Smernice 1999/5/ES.
- Onkko Corporation izjavlja, da je ta TX-RZ900/TX-RZ800 v skladu z bistvenimi zahtevami in drugimi relevantnimi določili direktive 1999/5/ES.
- Onkko Corporation vakuuttaa täten että TX-RZ900/TX-RZ800 tyyppinen laite on direktiivin 1999/5/EY oleellisten vaatimusten ja sitä koskevien direktiivin muiden ehtojen mukainen.
- Härmed förklarar Onkko Corporation att denna TX-RZ900/TX-RZ800 följer de väsentliga kraven och andra relevanta stadgar i Direktiv 1999/5/EC.
- Hér með lýsir Onkko Corporation því yfir að varan TX-RZ900/TX-RZ800 er í samræmi við grunnkröfur og aðrar kröfur sem gerðar eru í tilskipun 1999/5/EC.
- Onkko Corporation erklærer kjevedt at denne TX-RZ900/TX-RZ800 er i overensstemmelse med vesentlige krav og andre relevante bestemmelser i direktiv 1999/5/EC.
- Ovime Onkko Corporation, potvrđuje da je TX-RZ900/TX-RZ800 u suglasnosti sa osnovnim zahtjevima i ostalim relevantnim odredbama Direktive 1999/5/EC.

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Package List パッケージリスト		
libc	uClibc	busybox
libgcc	libstdc++	libmms
compat-wireless	wpa_supplicant	dnsmasq
libiconv	bluez	dbus
iperf	faad	

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Version 2.1, February 1999

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- Use a suitable shared library mechanism for linking with the Library. A suitable mechanism is one that (1) uses at run time a copy of the library already present on the user's computer system, rather than copying library functions into the executable, and (2) will operate properly with a modified version of the library. If the user installs one, as long as the modified version is interface-compatible with the version that the work was made with.
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(13) tftpd 2.25b

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(14) zlib

zlib.h -- interface of the 'zlib' general purpose compression library version 1.1.4, March 11th, 2002

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The data format used by the zlib library is described by RFCs (Request for Comments) 1950 to 1952 in the files

<ftp://ids.interim.net/pub/rfc/rfc1950.txt> (zlib format), [rfc1951.txt](ftp://ids.interim.net/pub/rfc/rfc1951.txt) (deflate format) and [rfc1952.txt](ftp://ids.interim.net/pub/rfc/rfc1952.txt) (gzip format).

(15) Apple Lossless

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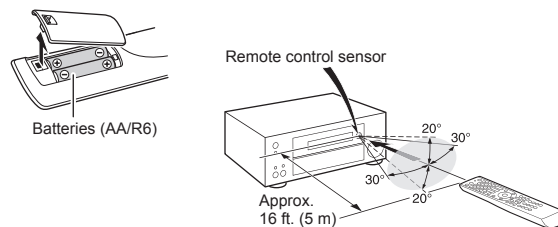
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Supplied Accessories

-  Indoor FM antenna --- (1)
-  AM loop antenna --- (1)
-  Remote controller (RC-900M) --- (1)
Batteries (AA/R6) --- (2)
-  Power cord --- (1)
-  Speaker setup microphone --- (1)

* The number in parenthesis indicates the quantity. On packaging, the letter at the end of the product name indicates the color.

How to use the remote controller



- * If you do not use the remote controller for a long time, remove the batteries to prevent leakage.
- * Note that keeping consumed batteries inside may cause corrosion resulting in damage of the remote controller.

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