

**AV** Receiver

RX-V773 RX-V673

**Owner's Manual** 

Read the supplied booklet "Safety Brochure" before using the unit.

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## **Accessories**

Check that the following accessories are supplied with the product.

☐ Remote control



☐ Batteries (AAA, R03, UM-4) (x2)





☐ AM antenna



☐ FM antenna



\*One of the above is supplied depending on the region of purchase.

☐ YPAO microphone



☐ CD-ROM (Owner's Manual)



☐ Easy Setup Guide

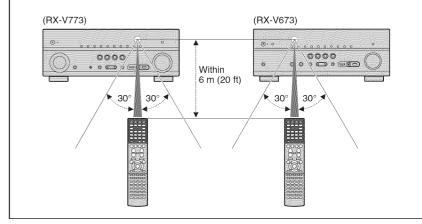


☐ Safety Brochure



Operating range of the remote control

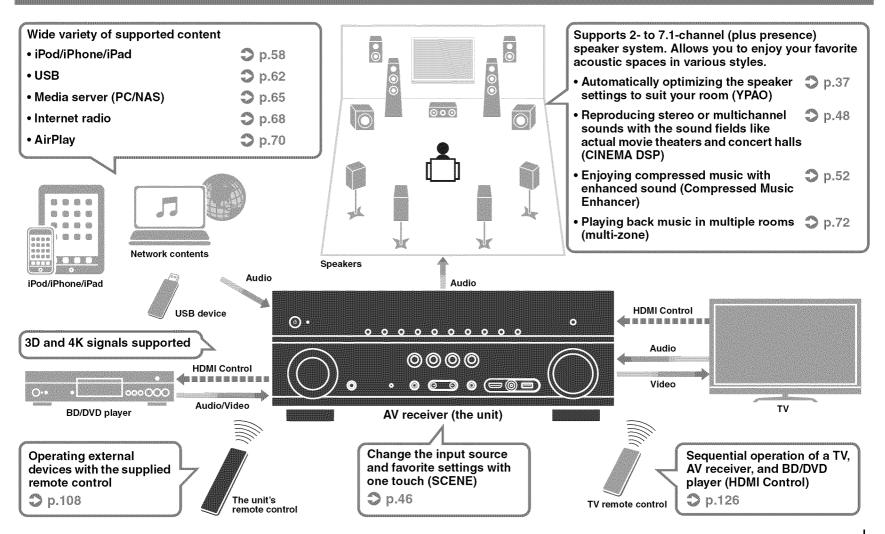
· Point the remote control at the remote control sensor on the unit and remain within the operating range shown below.



- The illustrations of the main unit and remote control used in this manual are of the RX-V773 (U.S.A. model), unless otherwise specified.
- · Some features are not available in certain regions.
- Due to product improvements, specifications and appearance are subject to change without notice.
- · This manual explains operations using the supplied remote control.
- This manual describes all the "iPod". "iPhone" and "iPad" as the "iPod". "iPod" refers to "iPod". "iPhone" and "iPad", unless otherwise specified.
- indicates precautions for use of the unit and its feature limitations.
- indicates supplementary explanations for better use.

# **FEATURES**

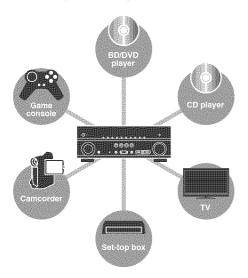
# What you can do with the unit



## **Full of useful functions!**

## ☐ Connecting various devices (p.28)

A number of HDMI jacks and various input/output jacks on the unit allow you to connect video devices (such as BD/DVD players), audio devices (such as CD players). game consoles, camcorders, and other devices.



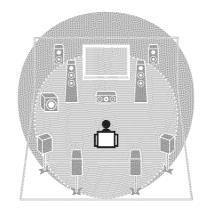
# ☐ Playing back TV audio in surround sound with a single HDMI cable connection (Audio Return Channel: ARC) (p.23)

When using an ARC -compatible TV, you only need one HDMI cable to enable video output to the TV, audio input from the TV, and the transmission of HDMI Control signals.



## ☐ Creating 3-dimensional sound fields (p.48)

Connecting presence speakers allows you to create a natural 3-dimensional sound field in your own room (CINEMA DSP 3D). Even when no presence speakers are connected, the Virtual Presence Speaker (VPS) function produces 3D surround sound.



## ☐ Listening to FM/AM radio (p.53)

The unit is equipped with a built-in FM/AM tuner. You can register up to 40 favorite radio stations as presets.

# ☐ Enjoying pure high fidelity sound (p.51)

When the Pure Direct mode is enabled, the unit plays back the selected source with the least circuitry, which lets you to enjoy Hi-Fi sound quality.

## ☐ Easy operation with a TV screen

You can navigate through different types of content (such as iPod, USB, and network), view information, or easily configure the settings using the on-screen menu.

## ☐ Low power consumption

The ECO mode (power saving function) reduces the unit's power consumption (p.102).

# **Useful tips**

#### The combination of video/audio input jacks does not match an external device...

Use "Audio In" in the "Input" menu to change the combination of video/audio input jacks so that it matches the output jack(s) of your external device (p.29).

#### Video and audio are not synchronized...

Use "Lipsync" in the "Setup" menu to adjust the delay between video and audio output (p.94).

#### I want to hear audio from the TV speakers...

Use "Audio Output" in the "Setup" menu to select the output destination of signals input into the unit (p.97). Your TV speakers may be selected as an output destination.

#### I want to change the on-screen menu language...

Use "Language" in the "Setup" menu to select a language from English, Japanese, French, German, Spanish, Russian and Chinese (p.36).

#### I want to update the firmware...

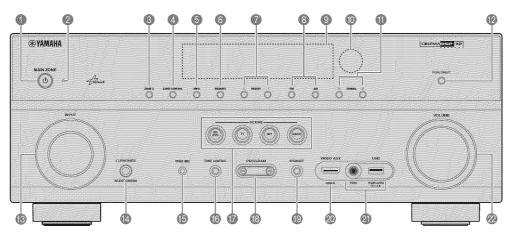
Use "UPDATE" in the "ADVANCED SETUP" menu to update the unit's firmware (p. 107). If the unit is connected to the Internet, a message will be displayed on the TV when a firmware update is available (p.113).

#### Many other settings are available that let you to customize the unit. For details, see the following pages.

- Input settings (p.81)
- Scene settings (p.84)
- Sound program and surround decoder settings (p.86)
- Various function settings (p.89)
- Information view (such as audio signal and video signal) (p.104)
- System settings (p. 105)

# Part names and functions

# Front panel (RX-V773)



#### MAIN ZONE () kev

Turns on/off (standby) the unit.

#### Standby indicator

Lights up when the unit is in standby mode under any of the following conditions.

- HDMI Control is enabled (p.96)
- Standby Through is enabled (p.97)
- Network Standby is enabled (p.98)
- An iPod is being charged (p.58)

#### ZONE 2 key

Enables/disables the audio output to Zone2 (p.75).

#### ZONE CONTROL key

Changes the zone (main zone or the Zone2) that is controlled by the keys and knobs on the front panel (p.75).

Selects the information displayed on the front display (p.77).

## MEMORY kev

Registers FM/AM radio stations as preset stations (p.54).

## PRESET keys

Select a preset FM/AM radio station (p.54).

## FM and AM kevs

Switch between FM and AM (p.53).

## Front display

Displays information (p.10).

#### Remote control sensor

Receives remote control signals (p.5).

#### TUNING kevs

Select the radio frequency (p.53).

#### PURE DIRECT kev

Enables/disables Pure Direct (p.51).

#### ( INPUT knob

Selects an input source.

#### PHONES jack

For connecting headphones.

#### (B) YPAO MIC jack

For connecting the supplied YPAO microphone (p.37).

## **(B)** TONE CONTROL kev

Adjusts the high-frequency range and low-frequency range of output sounds (p.79).

#### **M** SCENE kevs

Select the registered input source, sound program, and various settings with one touch. Also, turns on the unit when it is in standby mode (p.46).

#### PROGRAM kevs

Select a sound program or a surround decoder (p.47).

## STRAIGHT key

Enables/disables the straight decode mode (p.50).

#### VIDEO AUX (HDMI IN) jack

For connecting a device, such as a camcorder and a game console (p.31).

#### USB jack

For connecting a USB storage device (p.62) or an iPod (p.58).

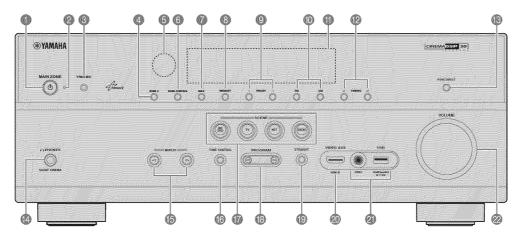
#### VIDEO jack

For inputting video when "USB" is selected as the input source (p.58).

#### VOLUME knob

Adjusts the volume

# Front panel (RX-V673)



#### MAIN ZONE () key

Turns on/off (standby) the unit.

#### Standby indicator

Lights up when the unit is in standby mode under any of the following conditions.

- HDMI Control is enabled (p.96)
- Standby Through is enabled (p.97)
- Network Standby is enabled (p.98)
- An iPod is being charged (p.58)

#### YPAO MIC jack

For connecting the supplied YPAO microphone (p.37).

#### ZONE 2 key

Enables/disables the audio output to Zone2 (p.75).

#### Remote control sensor

Receives remote control signals (p.5).

## ZONE CONTROL kev

Changes the zone (main zone or the Zone2) that is controlled by the keys and knobs on the front panel (p.75).

#### INFO key

Selects the information displayed on the front display (p.77).

#### MEMORY kev

Registers FM/AM radio stations as preset stations (p.54).

#### PRESET keys

Select a preset FM/AM radio station (p.54).

#### FM and AM keys

Switch between FM and AM (p.53).

#### Front display

Displays information (p.10).

#### TUNING kevs

Select the radio frequency (p.53).

#### PURE DIRECT key

Enables/disables Pure Direct (p.51).

## PHONES jack

For connecting headphones.

#### (B) INPUT keys

Select an input source.

## **(b) TONE CONTROL key**

Adjusts the high-frequency range and low-frequency range of output sounds (p.79).

#### **M** SCENE kevs

Select the registered input source, sound program, and various settings with one touch. Also, turns on the unit when it is in standby mode (p.46).

#### PROGRAM kevs

Select a sound program or a surround decoder (p.47).

## STRAIGHT key

Enables/disables the straight decode mode (p.50).

## VIDEO AUX (HDMI IN) jack

For connecting a device, such as a camcorder and a game console (p.31).

## USB iack

For connecting a USB storage device (p.62) or an iPod (p.58).

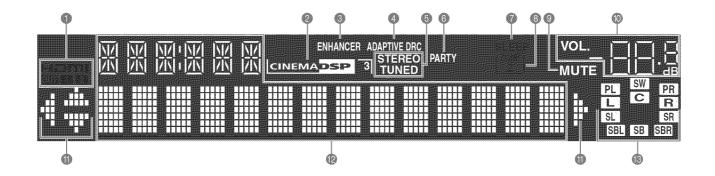
#### VIDEO jack

For inputting video when "USB" is selected as the input source (p.58).

#### WOLUME knob

Adjusts the volume.

# Front display (indicators)



#### HDMI

Lights up when HDMI signals are being input or output.

#### OUT1/OUT2 (RX-V773 only)

Indicates the HDMI OUT jacks currently outputting an HDMI signal

## OUT (RX-V673 only)

Lights up when HDMI signals are being output.

#### CINEMA DSP

Lights up when CINEMA DSP (p.48) is working.

#### CINEMA DSP 3

Lights up when CINEMA DSP 3D (p.50) is working.

#### ENHANCER

Lights up when Compressed Music Enhancer (p.52) is working.

#### **M** ADAPTIVE DRC

Lights up when Adaptive DRC (p.79) is working.

#### STEREO

Lights up when the unit is receiving a stereo FM radio signal.

#### TUNED

Lights up when the unit is receiving an FM/AM radio station signal.

#### PARTY (RX-V773 only)

Lights up when the unit is in the party mode. (p.76)

#### **® SLEEP**

Lights up when the sleep timer is on.

#### ZONE2

Lights up when audio output to Zone2 is enabled (p.75).

#### MUTE

Blinks when audio is muted.

#### Wolume indicator

Indicates the current volume.

#### Cursor indicators

Indicate the remote control cursor keys currently operational.

## Information display

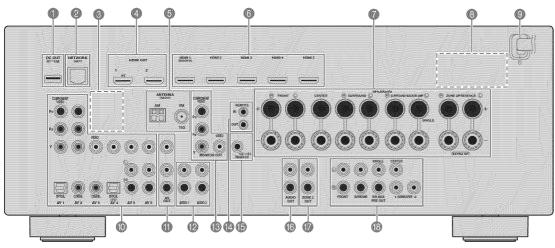
Displays the current status (such as input name and sound mode name). You can switch the information by pressing INFO (p.77).

#### Speaker indicators

Indicate speaker terminals from which signals are output.

- Front speaker (L)
- R Front speaker (R)
- C Center speaker
- SL Surround speaker (L)
- SR Surround speaker (R)
- SBL Surround back speaker (L)
- SBR Surround back speaker (R)
- SB Surround back speaker
- PL Presence speaker (L)
- PR Presence speaker (R)
- SW Subwoofer

# Rear panel (RX-V773)



(U.S.A. model)

O DC OUT jack

For connecting to an optional accessory.

## NETWORK jack

For connecting to a network (p.32)

#### PHONO jacks

(Except for U.S.A. and Canada models) For connecting to a turntable (p.31).

## HDMI OUT 1-2 jacks

For connecting to HDMI-compatible TVs and outputting video/audio signals (p.23). When using ARC, TV audio signal can also be input through the HDMI OUT 1 jack.

#### ANTENNA iacks

For connecting to FM and AM antennas (p.32).

#### HDMI 1-5 jacks

For connecting to HDMI-compatible playback devices and inputting video/audio signals (p.28).

#### SPEAKERS terminals

For connecting to speakers (p.19).

#### **(3) VOLTAGE SELECTOR**

(General model only) Selects the switch position according to your local voltage (p.35).

#### Power cable

For connecting to an AC wall outlet (p.35).

#### AV 1-6 jacks

For connecting to video/audio playback devices and inputting video/audio signals (p.28).

## AV OUT iacks

For outputting video/audio to a recording device (such as a VCR) (p.33).

## AUDIO 1-2 iacks

For connecting to audio playback devices and inputting audio signals (p.31).

#### **(B)** MONITOR OUT jacks **COMPONENT VIDEO jacks**

For connecting to a TV that supports component video and outputting video signals (p.27).

#### VIDEO jack

For connecting to a TV that supports composite video and outputting video signals (p.27).

# REMOTE IN/OUT jacks

For connecting to a Yamaha product that supports SCENE link playback (p.34) or for connecting to an infrared signal receiver/emitter that allows you to operate the unit and other devices from another room (p.74).

\* The area around the video/audio output lacks is marked in white on the actual product to prevent improper connections.

## **(f)** TRIGGER OUT jack

For connecting to a device that supports the trigger function

## AUDIO OUT jacks

For outputting audio to a recording device (such as tape deck) (p.33).

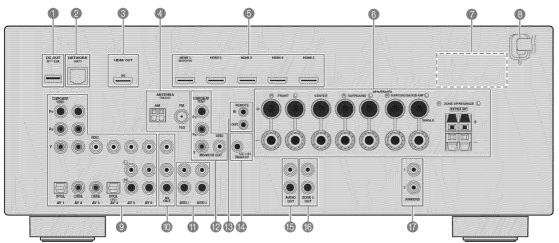
## ZONE2 OUT iacks

For connecting to the external amplifier used in Zone2 and for outputting audio (p.73).

## PRE OUT jacks

For connecting to a subwoofer with built-in amplifier or to an external power amplifier (p.33).

# Rear panel (RX-V673)



(U.S.A. model)

\* The area around the video/audio output jacks is marked in white on the actual product to prevent improper connections.

#### O DC OUT jack

For connecting to an optional accessory.

#### NETWORK jack

For connecting to a network (p.32)

## **(6)** HDMI OUT jack

For connecting to an HDMI-compatible TV and outputting video/audio signals (p.23). When using ARC, TV audio signal can also be input through the HDMI OUT jack.

#### ANTENNA jacks

For connecting to FM and AM antennas (p.32).

## HDMI 1-5 jacks

For connecting to HDMI-compatible playback devices and inputting video/audio signals (p.28).

#### SPEAKERS terminals

For connecting to speakers (p.19).

#### **M VOLTAGE SELECTOR**

(General model only)

Selects the switch position according to your local voltage (p.35).

#### Power cable

For connecting to an AC wall outlet (p.35).

#### AV 1-6 jacks

For connecting to video/audio playback devices and inputting video/audio signals (p.28).

## AV OUT jacks

For outputting video/audio to a recording device (such as a VCR) (p.33).

#### AUDIO 1-2 jacks

For connecting to audio playback devices and inputting audio signals (p.31).

#### MONITOR OUT jacks COMPONENT VIDEO jacks

For connecting to a TV that supports component video and outputting video signals (p.27).

#### VIDEO jack

For connecting to a TV that supports composite video and outputting video signals (p.27).

## **® REMOTE IN/OUT jacks**

For connecting to a Yamaha product that supports SCENE link playback (p.34) or for connecting to an infrared signal receiver/emitter that allows you to operate the unit and other devices from another room (p.74).

#### **(1)** TRIGGER OUT jack

For connecting to a device that supports the trigger function (p.34).

## AUDIO OUT jacks

For outputting audio to a recording device (such as tape deck) (p.33).

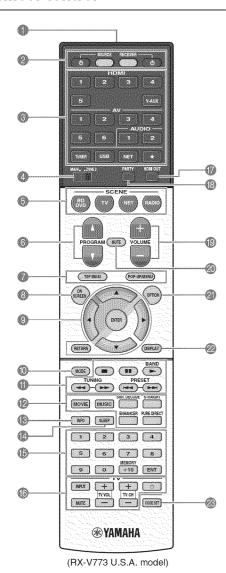
#### ZONE2 OUT jacks

For connecting to the external amplifier used in Zone2 and for outputting audio (p.73).

## SUBWOOFER 1-2 jacks

For connecting to a subwoofer with built-in amplifier (p.33).

## Remote control



Remote control signal transmitter

Transmits infrared signals.

SOURCE () key

Turns on/off an external device.

#### SOURCE key

Sets the remote control to operate external devices (p.109). This key lights up in green after pressed.

#### RECEIVER key

Sets the remote control to operate the unit (p.109). This key lights up in orange after pressed.

#### RECEIVER (1) key

Turns on/off (standby) the unit.

#### Input selection keys

Select an input source for playback.

HDMI 1-5 HDMI 1-5 jacks

V-AUX VIDEO AUX jack (on the front panel)

**AV 1–6** AV 1–6 jacks **AUDIO 1–2** AUDIO 1–2 jacks

**TUNER** FM/AM radio

USB jack (on the front panel)

NET NETWORK jack (press repeatedly to select a

desired network source)

★ (RX-V673, RX-V773 [U.S.A. and Canada models])
Changes the external device to be controlled

without switching the input source.

PHONO (RX-V773 [except for U.S.A. and Canada models])

PHONO jacks

#### MAIN/ZONE2 switch

Changes the zone (main zone or Zone2) that is controlled by the remote control (p.75).

## SCENE keys

Select the registered input source, sound program, and various settings with one touch. Also, turns on the unit when it is in standby mode (p.46).

## PROGRAM keys

Select a sound program (p.47).

## External device operation keys

Select menus for external devices (p.109).

#### ON SCREEN key

Displays the on-screen menu on the TV.

#### Menu operation keys

 Cursor keys
 Select a menu or a parameter.

 ENTER
 Confirms a selected item.

 RETURN
 Returns to the previous screen.

## MODE key

Switches the iPod operation modes (p.60).

#### Radio keys

Operate the FM/AM radio when "TUNER" is selected as the input source (p.53).

**BAND** Switches between FM and AM radio

PRESET Select a preset station.TUNING Select the radio frequency.

#### External device operation keys

Let you play back and perform other operations for external devices when an input source other than "TUNER" is selected (p.109).

#### Sound mode keys

Select a sound mode (p.47).

INFO key

Selects the information displayed on the front display (p.77).

#### SLEEP key

Switches the unit to standby mode automatically after a specified period of time has elapsed (sleep timer). Press repeatedly to set the time (120 min, 90 min, 60 min, 30 min, off).

#### Numeric keys

Let you enter numerical values, such as radio frequencies.

#### MEMORY key

Registers FM/AM radio stations as presets (p.54).

#### TV operation keys

Let you select TV input and volume, and perform other TV operations (p.108).

## (B) HDMI OUT key (RX-V773 only)

Selects HDMI OUT jacks to be used for video/audio output (p.45).

## PARTY key (RX-V773 only)

Turns on/off the party mode (p.76).

# VOLUME keys

Adjust the volume.

## MUTE key

Mutes the audio output.

## OPTION key

Displays the option menu (p.78).

#### DISPLAY key

Displays status information on the TV (p.77).

#### **© CODE SET key**

Registers remote control codes of external devices on the remote control (p.108).



 To operate external devices with the remote control, register a remote control code for each device before using (p.108).

# **PREPARATIONS**

# **General setup procedure**

1 Placing speakers (p.15)	Select the speaker layout for the number of speakers that you are using and place them in your room.
2 Connecting speakers (p.19)	Connect the speakers to the unit.
3 Connecting a TV (p.23)	Connect a TV to the unit.
4 Connecting playback devices (p.28)	Connect video devices (such as BD/DVD players) and audio devices (such as CD players) to the unit.
5 Connecting the FM/AM antennas (p.32)	Connect the supplied FM/AM antennas to the unit.
6 Connecting to a network (p.32)	Connect the unit to a network.
7 Connecting other devices (p.33)	Connect external devices, such as an external power amplifier (RX-V773 only) and recording devices.
8 Connecting the power cable (p.35)	After all the connections are complete, plug in the power cable.
Selecting an on-screen menu language (p.36)	Select the desired on-screen menu language (default: English).
Optimizing the speaker settings automatically (YPAO) (p.37)	Optimize the speaker settings, such as volume balance and acoustic parameters, to suit your room (YPAO).

This completes all the preparations. Enjoy playing movies, music, radio and other content with the unit!

# 1 Placing speakers

Select the speaker layout for the number of speakers that you are using and place the speakers and subwoofer (with built-in amplifier) in your room. This section describes the representative speaker layout examples.

#### Caution

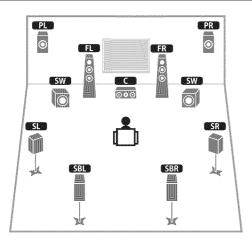
• Under its default settings, the unit is configured for 8-ohm speakers. When connecting 6-ohm speakers, set the unit's speaker impedance to "6 Ω MIN". In this case, you can also use 4-ohm speakers as the front speakers. For details, see "Setting the speaker impedance" (p.18).

10 VIVI 10 VIV	ALL.			Speaker system (the number of channels)						s)
Speaker type	Abbr.	Function	7.1+2	7.1	7.1	6.1	5.1	4.1	3.1	2.1
Front (L)		Produce front right/left channel sounds (stereo sounds).	•	•	•	•	•	•	•	•
Front (R)	FR	- Froduce from right/left chairler sounds (stereo sounds).	•	•	•	•	•	•	•	•
Center		Produces center channel sounds (such as movie dialogue and vocals).	•	•	•	•	•		•	
Surround (L)	SL	Produce surround right/left channel sounds. Surround speakers also produce surround back channel sounds when no surround back speakers are connected.		•	•	•	•	•		
Surround (R)	SR			•	•	•	•	•		
Surround back (L)	SBL	Produce surround back left/right channel sounds.		•						
Surround back (R)	SBR	- Froduce surround back lerthight channel sounds.	•	•						
Surround back	SB	Produces sounds mixed from surround back left/right channel sounds.				•				
Presence (L)	PL.	Produce CINEMA DSP effect sounds. In combination with CINEMA DSP 3D (p.50), the presence speakers create a natural 3-dimensional sound field in your room.			•					
Presence (R)	PR				•					
Subwoofer	SW	Produces LFE (low-frequency effect) channel sounds and reinforces the bass parts of other channels. This channel is counted as "0.1". You can connect 2 subwoofers (with built-in amplifier) to the unit.	•	•	•	•	•	•	•	•



- For information on the ideal speaker layout, see "Ideal speaker layout" (p.121).
- If you have seven speakers, use two of them as surround back speakers or presence speakers.
   To reinforce the rear right/left sounds, use them as surround back speakers.
   To create a natural 3-dimensional sound field, use them as presence speakers.
- . Two subwoofers connected to the unit output the same sounds.

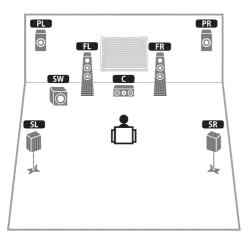
# 7.1+2-channel system



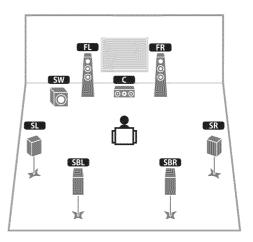


The surround back speakers and presence speakers do not produce sounds simultaneously. The unit
automatically changes the speakers to be used, depending on the selected CINEMA DSP (p.48).

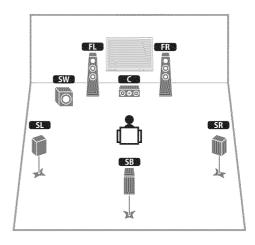
# 7.1-channel system (using presence speakers)



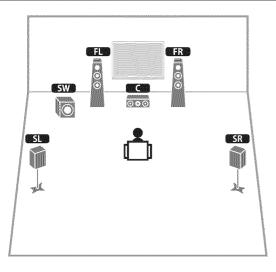
# 7.1-channel system (using surround back speakers)



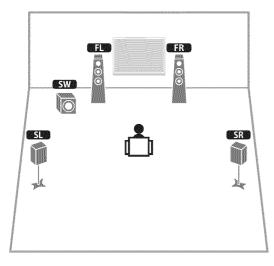
# 6.1-channel system



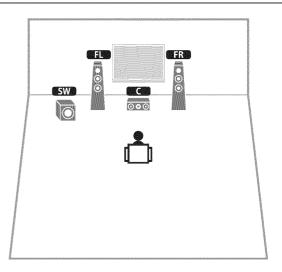
# 5.1-channel system



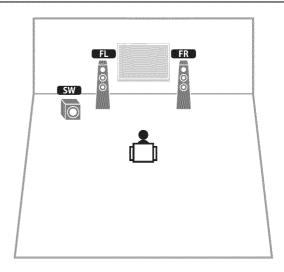
# 4.1-channel system



# 3.1-channel system



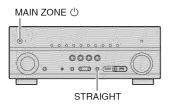
# 2.1-channel system



## Setting the speaker impedance

Under its default settings, the unit is configured for 8-ohm speakers. When connecting 6-ohm speakers, set the speaker impedance to "6  $\Omega$  MIN". In this case, you can also use 4-ohm speakers as the front speakers.

- Before connecting speakers, connect the power cable to an AC wall outlet.
- While holding down STRAIGHT on the front panel, press MAIN ZONE ().



Check that "SP IMP." is displayed on the front display.



- 4 Press STRAIGHT to select "6  $\Omega$  MIN".
- Press MAIN ZONE () to set the unit to standby mode and remove the power cable from the AC wall outlet.

You are now ready to connect the speakers.

# 2 Connecting speakers

Connect the speakers placed in your room to the unit. The following diagrams provide connections for 7.1+2-, 7.1-, and 6.1-channel systems as examples. For other systems, connect speakers while referring to the connection diagram for the 6.1-channel system.

#### Caution

- Remove the unit's power cable from an AC wall outlet and turn off the subwoofer before connecting the speakers.
- Ensure that the core wires of the speaker cable do not touch one another or come into contact with the unit's metal parts.
   Doing so may damage the unit or the speakers. If the speaker cables short circuit, "Check SP Wires" will appear on the front display when the unit is turned on.
- The illustrations of the unit (rear) used in this section are of the RX-V773.

# Cables required for connection (commercially available)

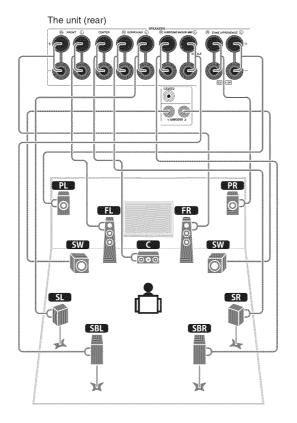
Speaker cables (x the number of speakers)



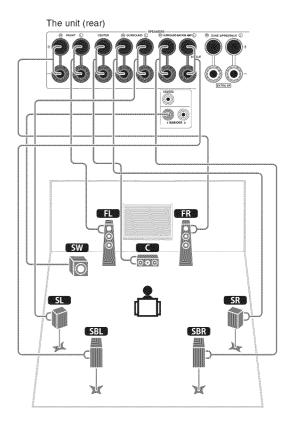
Audio pin cable (two for connecting two subwoofers)



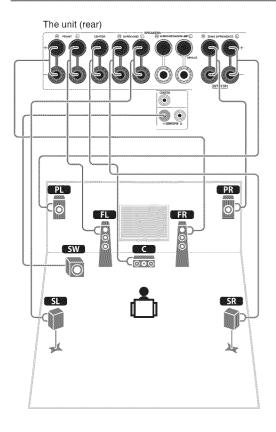
# 7.1+2-channel system



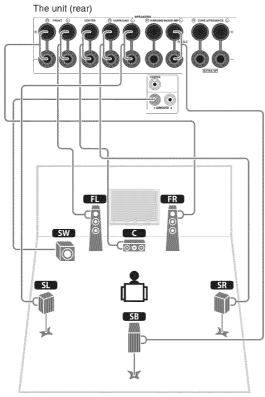
# 7.1-channel system (using surround back speakers)



# 7.1-channel system (using presence speakers)



# 6.1-channel system

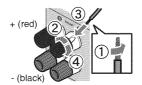


When using only one surround back speaker, connect it to the SINGLE jack (L side).

# Connecting speaker cables

Speaker cables have two wires. One is for connecting the negative (-) terminal of the unit and the speaker, and the other is for the positive (+) terminal. If the wires are colored to prevent confusion, connect the black wire to the negative and the other wire to the positive terminal.

- ① Remove approximately 10 mm (3/8") of insulation from the ends of the speaker cable and twist the bare wires of the cable firmly together.
- 2 Loosen the speaker terminal.
- ③ Insert the bare wires of the cable into the gap on the side (upper right or bottom left) of the terminal.
- 4 Tighten the terminal.



#### Using a banana plug

- (U.S.A., Canada, China, Australia and General models only)
- 1 Tighten the speaker terminal.
- ② Insert a banana plug into the end of the terminal.





#### Push-type speaker terminals

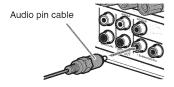
(RX-V673 only)

- ① Remove approximately 10 mm (3/8") of insulation from the ends of the speaker cable, and twist the bare wires of the cable firmly together.
- 2 Press down the tab.
- (3) Insert the bare wires of the cable into the hole in the terminal.
- (4) Release the tab.



# Connecting the subwoofer

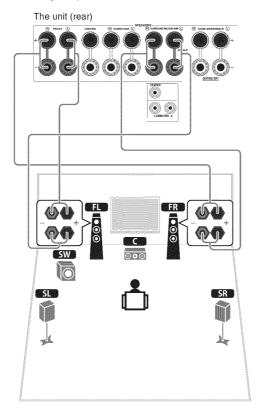
Use an audio pin cable to connect the subwoofer.



# Connecting front speakers that support bi-amp connections

When using front speakers that support bi-amp connections, connect them to the FRONT jacks and SURROUND BACK/BI-AMP jacks.

To enable the bi-amp function, set "Power Amp Assign" (p.91) in the "Setup" menu to "5ch BI-AMP" after connecting the power cable to an AC wall outlet.



#### Caution

- Before making bi-amp connections, remove any brackets or cables that connect a woofer with a tweeter. Refer to the instruction manual of the speakers for details. If you are not making bi-amp connections, make sure that the brackets or cables are connected before connecting the speaker cables.
- · Surround back speakers cannot be used during bi-amp

# Input/output jacks and cables

# **■ Video/audio jacks**

## ☐ HDMI jacks

Transmit digital video and digital sound through a single jack. Use an HDMI cable.







- Use a 19-pin HDMI cable with the HDMI logo. We recommend using a cable less than 5.0 m (16.4 ft) long to prevent signal quality degradation.
- To connect a device that has a DVI jack, an HDMI/DVI-D cable is required.



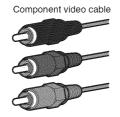
- The unit's HDMI jacks support the HDMI Control, Audio Return Channel (ARC), and 3D and 4K video transmission features.
- Use high speed HDMI cables to enjoy 3D or 4K videos.

# Video jacks

## ☐ COMPONENT VIDEO jacks

Transmit video signals separated into three components: luminance (Y), chrominance blue (PB), and chrominance red (PR). Use a component video cable with three plugs.

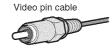




# □ VIDEO jacks

Transmit analog video signals. Use a video pin cable.



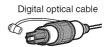


# Audio jacks

## ☐ OPTICAL jacks

Transmit digital audio signals. Use a digital optical cable. Remove the tip protector (if available) before using the cable.





## ☐ COAXIAL jacks

Transmit digital audio signals. Use a digital coaxial cable.

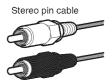




## ☐ AUDIO jacks

Transmit analog stereo audio signals. Use a stereo pin cable.



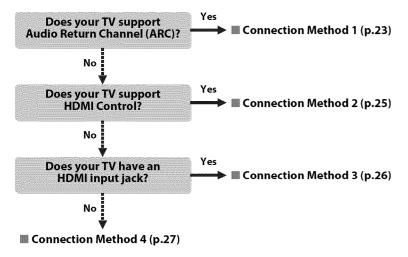


# 3 Connecting a TV

Connect a TV to the unit so that video input to the unit can be output to the TV. You can also enjoy playback of TV audio on the unit.

The connection method varies depending on the functions and video input jacks available on your TV.

Refer to the instruction manual of the TV and choose a connection method.



#### **About HDMI Control**

HDMI Control allows you to operate external devices via HDMI. If you connect a TV that supports HDMI Control to the unit with an HDMI cable, you can control the unit's power and volume with the TV's remote control. You can also control playback devices (such as an HDMI Control-compatible BD/DVD player) connected to the unit with an HDMI cable. For details, see "HDMI Control" (p.126).

## About Audio Return Channel (ARC)

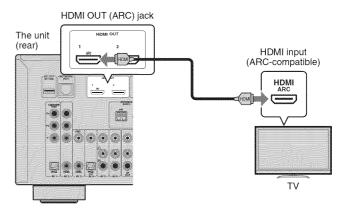
ARC allows audio signals to travel both ways under HDMI Control. If you connect a TV that supports HDMI Control and ARC to the unit with a single HDMI cable, you can output video/audio to the TV or input TV audio to the unit.

# **■ Connection Method 1 (HDMI Control/ARC-compatible TV)**

Connect the TV to the unit with an HDMI cable.



- The following explanation is based on the assumption that you have not changed the "HDMI" parameters (p.96) in the "Setup" menu.
- (RX-V773 only)
   HDMI Control is available only on the HDMI OUT 1 jack.





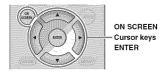
- By connecting a TV to the unit with an HDMI cable, any video input to the unit can be output to the TV
  (except some component video signals), regardless of the method used to connect the video device to the
  unit. For details, see "Video signal flow" (p.125).
- By connecting a TV to the unit with an HDMI cable, you can navigate the iPod, USB storage device and network sources, or configure the settings of the unit with the menu displayed on the TV.
- (RX-V773 only)
   You can connect another TV or a projector by using the HDMI OUT 2 jack (p.27).

# 2 3 TV connection 4 5 6 7 8 9 10

## ■ Necessary settings

To use HDMI Control and ARC, you need to configure the following settings. For details on settings and operating your TV, refer to the instruction manual for the TV.

- After connecting external devices (such as a TV and playback devices) and the power cable to the unit, turn on the unit, TV, and playback devices.
- Configure the settings of the unit.
  - 1) Check that ARC is enabled on the TV.
  - (2) Switch the TV input to display video from the unit.
  - (3) Press ON SCREEN.



4 Use the cursor keys to select "Setup" and press ENTER.



(5) Use the cursor keys (
√
) to select "HDMI".



- **6** Use the cursor keys  $(\triangle/\nabla)$  to select "HDMI Control" and press ENTER.
- ① Use the cursor keys to select "On".
- (8) Press ON SCREEN.

# Configure the settings for HDMI Control.

- 1 Enable HDMI Control on the TV and playback devices (such as HDMI Control-compatible BD/DVD player).
- 2 Turn off the TV's main power and then turn off the unit and playback devices.
- 3 Turn on the unit and playback devices and then turn on the TV's main power.
- (4) Switch the TV input to display video from the unit.
- (5) Check the following.

On the unit: The input to which the playback device is connected is selected. If not. select the input source manually.

On the TV: The video from the playback device is displayed.

6 Check that the unit is properly synchronized with the TV by turning off the TV or adjusting the TV volume with the TV remote control.

This completes the necessary settings.

If you select a TV program with the TV remote control, the input source of the unit will be automatically switched to "AV 4" and the TV audio will be played back on the unit.

If you cannot hear the TV's audio, check that "ARC" (p.97) in the "Setup" menu is set to "On".



- If HDMI Control does not work properly, try turning off and on (or unplugging and then plugging in again) the devices. It may solve the problem.
- If the unit is not synchronized to the TV's power operations, check the priority of the audio output setting on
- If the audio is interrupted while using ARC, set "ARC" (p.97) in the "Setup" menu to "Off" and use a digital optical cable to input TV audio to the unit (p.25).



• "AV 4" is set as TV audio input at the factory. If you have connected any external device to the AV 4 jacks, use "TV Audio Input" (p.96) in the "Setup" menu to change the TV audio input assignment. To use the SCENE function (p.46), you also need to change the input assignment for SCENE(TV).

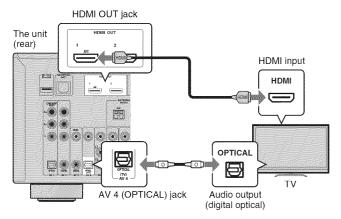


## **■ Connection Method 2 (HDMI Control-compatible TV)**

Connect the TV to the unit with an HDMI cable and a digital optical cable.



- The following explanation is based on the assumption that you have not changed the "HDMI" parameters (p.96) in the "Setup" menu.
- (RX-V773 only)
   HDMI Control is available only on the HDMI OUT 1 jack.





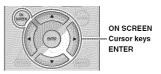
- By connecting a TV to the unit with an HDMI cable, any video input to the unit can be output to the TV
  (except some component video signals), regardless of the method used to connect the video device to the
  unit. For details, see "Video signal flow" (p.125).
- By connecting a TV to the unit with an HDMI cable, you can navigate the iPod, USB storage device and network sources, or configure the settings of the unit with the menu displayed on the TV.
- (RX-V773 only)
- You can connect another TV or a projector by using the HDMI OUT 2 jack (p.27).

#### ■ Necessary settings

To use HDMI Control, you need to configure the following settings.

For details on settings and operating your TV, refer to the instruction manual for the TV.

- After connecting external devices (such as a TV and playback devices) and power cable of the unit, turn on the unit, TV, and playback devices.
- Configure the settings of the unit.
  - ① Switch the TV input to display video from the unit.
  - 2 Press ON SCREEN.



3 Use the cursor keys to select "Setup" and press ENTER.



④ Use the cursor keys (△/▷) to select "HDMI".



- ⑤ Use the cursor keys  $(\triangle/\nabla)$  to select "HDMI Control" and press ENTER.
- 6 Use the cursor keys to select "On".
- (7) Press ON SCREEN.



## Configure the settings for HDMI Control.

- 1 Enable HDMI Control on the TV and playback devices (such as a HDMI Control-compatible BD/DVD player).
- 2) Turn off the TV's main power and then turn off the unit and playback devices.
- 3 Turn on the unit and playback devices and then turn on the TV.
- (4) Switch the TV input to display video from the unit.
- ⑤ Check the following.

On the unit: The input to which the playback device is connected is selected. If not, select the input source manually.

On the TV: The video from the playback device is displayed.

(6) Check that the unit is properly synchronized with the TV by turning off the TV or adjusting the TV volume with the TV remote control.

This completes the necessary settings.

If you select a TV program with the TV remote control, the input source of the unit will be automatically switched to "AV 4" and the TV audio will be played back on the unit.



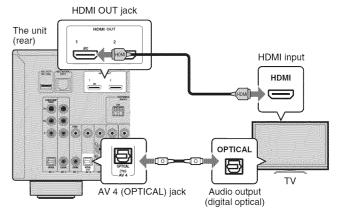
- If HDMI Control does not work properly, try turning off and on (or unplugging and then plugging in again) the devices. It may solve the problem.
- If the unit is not synchronized to the TV's power operations, check the priority of the audio output setting on the TV.



• "AV 4" is set as TV audio input at the factory. If you have connected any external device to the AV 4 jacks or if you want to use another input jack (other than OPTICAL) for connecting the TV, use "TV Audio Input" (p.96) in the "Setup" menu to change the TV audio input assignment. To use the SCENE function (p.46), you also need to change the input assignment for SCENE(TV).

# Connection Method 3 (TV with HDMI input jacks)

Connect the TV to the unit with an HDMI cable and a digital optical cable.



If you switch the input source of the unit to "AV 4" using the AV 4 or SCENE(TV) keys, the TV audio will be played back on the unit.



- By connecting a TV to the unit with an HDMI cable, any video input to the unit can be output to the TV (except some component video signals), regardless of the method used to connect the video device to the unit. For details, see "Video signal flow" (p.125).
- By connecting a TV to the unit with an HDMI cable, you can navigate the iPod, USB storage device and network sources, or configure the settings of the unit with the menu displayed on the TV.
- If you have connected any external device to the AV 4 jacks or if you want to use another input jack (other than OPTICAL) for connecting the TV, connect the TV to one of the AV 1-6 and AUDIO 1-2 jacks. To use the SCENE function (p.46), you also need to change the input assignment for SCENE(TV).
- (RX-V773 only) You can connect another TV or a projector by using the HDMI OUT 2 jack (p.27).



# Connection Method 4 (TV without HDMI input jacks)

When connecting any video device to the AV 1–2 (COMPONENT VIDEO) jacks of the unit, connect the TV to the MONITOR OUT (COMPONENT VIDEO) jacks.

When connecting any video device to the AV 3–6 (VIDEO) jacks or the front VIDEO jack of the unit, connect the TV to the MONITOR OUT (VIDEO) jack.

If you select "AV 4" as the input source by pressing AV 4 or SCENE(TV), the TV audio will be played back on the unit.

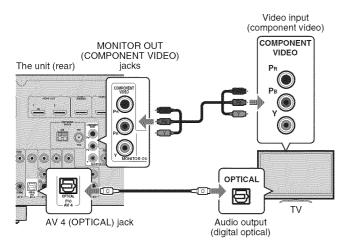


- If you connect your TV to the unit with a cable other than HDMI, video input to the unit via HDMI cannot be output to the TV.
- . Operations with TV screen are available only when your TV is connected to the unit via HDMI.

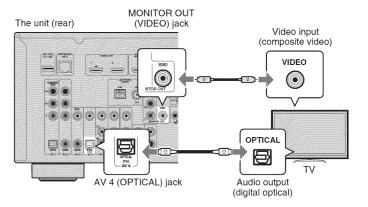


 If you have connected any external device to the AV 4 jacks or if you want to use another input jack (other than OPTICAL) for connecting the TV, connect the TV to one of the AV 1–6 and AUDIO 1–2 jacks. To use the SCENE function (p.46), you also need to change the input assignment for SCENE(TV).

## ☐ COMPONENT VIDEO connection (with a component video cable)



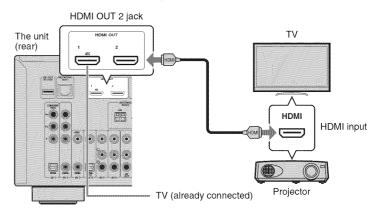
## ☐ VIDEO (composite video) connection (with a video pin cable)



# Connecting another TV or a projector

(RX-V773 only)

The unit has two HDMI output jacks. If you connect another TV or a projector to the unit with an HDMI cable, you can switch the TV (or projector) to be used for watching videos with the remote control (p.45).





. HDMI Control is not available on the HDMI OUT 2 jack.

# 4 Connecting playback devices

The unit is equipped with a variety of input jacks including HDMI input jacks to allow you to connect different types of playback devices. For information on how to connect an iPod or a USB storage device, see the following pages.

- Connecting an iPod (p.58)
- Connecting a USB storage device (p.62)

# Connecting video devices (such as BD/DVD players)

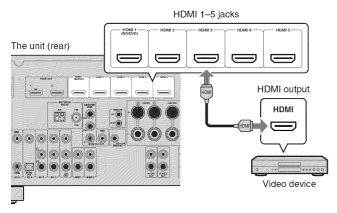
Connect video devices such as BD/DVD players, set-top boxes (STBs) and game consoles to the unit. Depending on the video/audio output jacks available on your video device, choose one of the following connections. We recommend using an HDMI connection if the video device has an HDMI output jack.



 If the combination of video/audio input jacks available on the unit does not match your video device, change its combination according to the output jacks of your device (p.29).

#### HDMI connection

Connect a video device to the unit with an HDMI cable.



If you select the input source by pressing HDMI 1–5, the video/audio played back on the video device will be output from the unit.

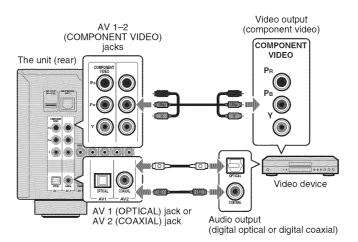


 To watch videos input to the HDMI 1–5 jacks, you need to connect your TV to the HDMI OUT jack of the unit (p.23 to 26).

# **■ Component video connection**

Connect a video device to the unit with a component video cable and an audio cable (digital optical or digital coaxial). Choose a set of input jacks (on the unit) depending on the audio output jacks available on your video device.

Output jacks o	n video device Audio	Input jacks on the unit
Component video -	Digital optical	AV 1 (COMPONENT VIDEO + OPTICAL)
	Digital coaxial	AV 2 (COMPONENT VIDEO + COAXIAL)



If you select the input source by pressing AV 1–2, the video/audio played back on the video device will be output from the unit.

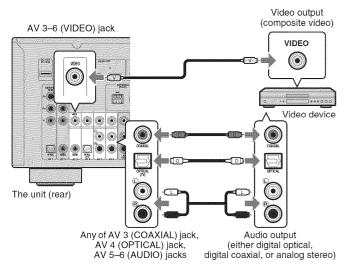


 The component video signals (other than 480i/576i signals) input to AV 1–2 jacks of the unit can be output from the MONITOR OUT (COMPONENT VIDEO) jacks only. To watch those videos, you need to connect your TV to the MONITOR OUT (COMPONENT VIDEO) jacks of the unit (p.27).

## **■ Composite video connection**

Connect a video device to the unit with a video pin cable and an audio cable (digital coaxial, digital optical, or stereo pin cable). Choose a set of input jacks (on the unit) depending on the audio output jacks available on your video device.

Output jacks on video device		
Video	Audio	Input jacks on the unit
Composite video	Digital coaxial	AV 3 (VIDEO + COAXIAL)
	Digital optical	AV 4 (VIDEO + OPTICAL)
	Analog stereo	AV 5–6 (VIDEO + AUDIO)



If you select the input source by pressing AV 3–6, the video/audio played back on the video device will be output from the unit.



 To watch videos input to the AV 3–6 (VIDEO) jacks, you need to connect your TV to the HDMI OUT jack (p.23 to 26) or to the MONITOR OUT (VIDEO) jack (p.27) of the unit.

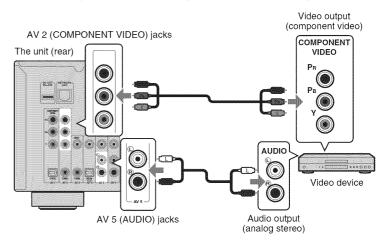
# **■ Changing the combination of video/audio input jacks**

If the combination of video/audio input jacks available on the unit does not match your video device, change its combination according to the output jacks of your device. You can connect a video device that has the following video/audio output jacks.

Output jacks on video device		Input jacks	on the unit
Video	Audio	Video	Audio
	Digital optical	HDMI 1–5	AV 1 (OPTICAL) AV 4 (OPTICAL)
HDMI	Digital coaxial	HDMI 1-5	AV 2-3 (COAXIAL)
	Analog stereo	HDMI 1–5	AV 5–6 (AUDIO) AUDIO 1–2
Component video	Analog stereo	AV 1-2 (COMPONENT VIDEO)	AV 5–6 (AUDIO) AUDIO 1–2

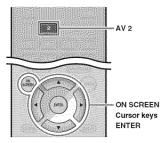
#### ☐ Necessary setting

For example, if you have connected a video device to AV 2 (COMPONENT VIDEO) and AV 5 (AUDIO) jacks of the unit, change the combination setting as follows.





- The following operation is available only when your TV is connected to the unit via HDMI.
- After connecting external devices (such as a TV and playback devices) and power cable of the unit, turn on the unit.
- Press AV 2 to select "AV 2" (video input jack to be used) as the input source.



- 3 Press ON SCREEN.
- 4 Use the cursor keys to select "Input" and press ENTER.
- 5 Use the cursor keys () to select "AV2" (video input jack to be used) and press the cursor key (△).



- Use the cursor keys to select "Audio In" and press ENTER.
- Use the cursor keys to select "AV5" (audio input jack to be used).



# 8 Press ON SCREEN.

This completes the necessary settings.

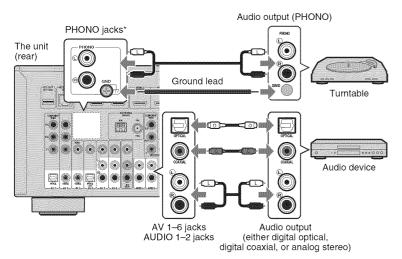
If you select "AV 2" as the input source by pressing AV 2, the video/audio played back on the video device will be output from the unit.

# Connecting audio devices (such as CD players)

Connect audio devices such as CD players, MD players, and a turntable to the unit. Depending on the audio output jacks available on your audio device, choose one of the following connections.

Audio output jacks on audio device	Audio output jacks on the unit		
Digital optical	AV 1 (OPTICAL) AV 4 (OPTICAL)		
Digital coaxial	AV 2–3 (COAXIAL)		
Analog stereo	AV 5–6 (AUDIO) AUDIO 1–2		
Turntable (PHONO)	PHONO*		

<sup>\*</sup> RX-V773 only (except for U.S.A. and Canada models)



If you select the input source by pressing AV 1–6, AUDIO 1–2 or PHONO\*, the audio played back on the audio device will be output from the unit.

When connecting a turntable

(RX-V773 only [except for U.S.A. and Canada models])

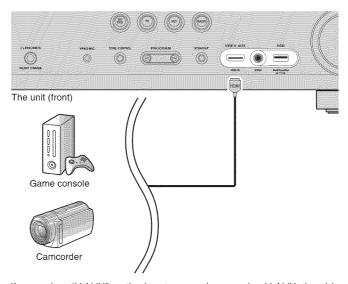
- The PHONO jack of the unit is compatible with an MM cartridge. To connect a turntable with a low-output MC cartridge, use a boosting transformer.
- Connecting the turntable to the GND terminal of the unit may reduce noise in the signal.

# Connecting to the jacks on the front panel

Use the VIDEO AUX jack to temporarily connect devices such as game consoles and camcorders to the unit.

Use the USB jack to connect an iPod or a USB storage device. For details, see "Connecting an iPod" (p.58) or "Connecting a USB storage device" (p.62).

Before making a connection, stop playback on the device and turn down the volume on the unit.



If you select "V-AUX" as the input source by pressing V-AUX, the video/audio played back on the device will be output from the unit.



- To watch videos input to the VIDEO AUX (HDMI IN) jack, you need to connect your TV to the HDMI OUT jack of the unit (p.23 to 26).
- You need to prepare an HDMI cable that match the output jacks on your device.

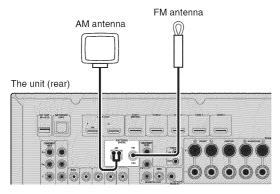


• When "USB" is selected as the input source, video signals input to the VIDEO jack are output from the HDMI OUT and MONITOR OUT (VIDEO) jacks.

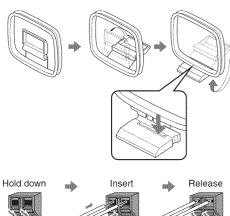
# 5 Connecting the FM/AM antennas

Connect the supplied FM/AM antennas to the unit.

Fix the end of the FM antenna to a wall, and place the AM antenna on a flat surface.



#### Assembling and connecting the AM antenna



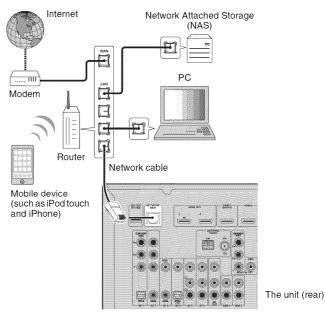


- Unwind only the length of cable needed from the AM antenna unit.
- . The wires of the AM antenna have no polarity.

# 6 Connecting to a network

Connect the unit to your router with a commercially-available STP network cable (CAT-5 or higher straight cable).

You can enjoy Internet radio or music files stored on media servers, such as PCs and Network Attached Storage (NAS), on the unit.





- If you are using a router that supports DHCP, you do not need to configure any network settings for the unit, as the network parameters (such as the IP address) will be assigned automatically to it. You only need to configure the network settings if your router does not support DHCP or if you want to configure the network parameters manually (p.98).
- You can check whether the network parameters (such as IP address) are properly assigned to the unit in "Network" (p.104) in the "Information" menu.



- Some security software installed on your PC or the firewall settings of network devices (such as a router)
  may block the access of the unit to the network devices or the Internet. In these cases, configure the
  security software or firewall settings appropriately.
- . Each server must be connected to the same subnet as the unit.
- To use the service via the Internet, broadband connection is strongly recommended.

# **Connecting other devices**

# Connecting an external power amplifier

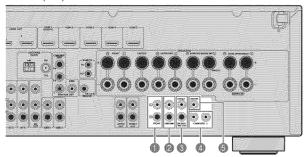
(RX-V773 only)

When connecting an external power amplifier (pre-main amplifier) to enhance speaker output, connect the input jacks of the power amplifier to the PRE OUT jacks of the unit. The same channel signals are output from the PRE OUT jacks as from their corresponding SPEAKERS terminals.

#### Caution

- · To prevent the generation of loud noises or abnormal sounds, make sure the followings before making
- Remove the power cable of the unit and turn off the external power amplifier before connecting them.
- When using the PRE OUT jacks, do not connect speakers to the corresponding SPEAKERS
- When using an external amplifier that does not have the volume control bypass, do not connect other devices (except the unit) to the amplifier.

#### The unit (rear)



#### FRONT jacks

Output front channel sounds.

#### SURROUND jacks

Output surround channel sounds.

## SUR. BACK jacks

Output surround back channel sounds. When using only one external amplifier for the surround back channel, connect it to the SINGLE jack (L side).

#### SUBWOOFER1-2 jacks

For connecting a subwoofer with built-in amplifier. When 2 subwoofers are connected, the same sound is output from them.

#### CENTER jack

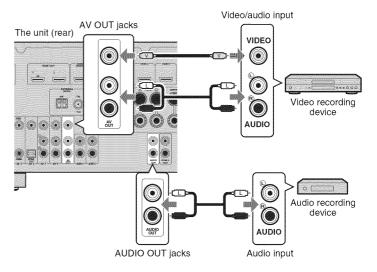
Outputs center channel sounds.

# **Connecting recording devices**

You can connect video/audio recording devices to the AV OUT and AUDIO OUT jacks. These jacks output analog video/audio signals selected as the input.

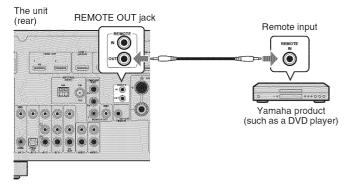


- To copy video/audio from a video device, connect the video device to the AV 5-6 jacks of the unit.
- To copy audio from an audio device, connect the audio device to the AV 5-6 jacks or AUDIO 1-2 jacks of
- Be sure to use the AV OUT and AUDIO OUT jacks only for connecting recording devices.



# Connecting a device that supports **SCENE link playback (remote connection)**

If you have a Yamaha product that supports SCENE control signal transmission, you can operate it remotely by connecting it to the REMOTE OUT jack, using a monaural mini-jack cable, and linking with the SCENE function (p.46).



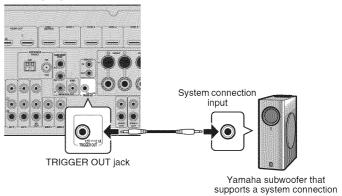


- If you connect a Yamaha product that supports the SCENE link playback function, to the REMOTE OUT jack, you can remotely start playback on it by linking with a scene selection (p.46). To enable the SCENE link playback function, specify the device type in "Device Control" (p.84) in the "Scene" menu.
- You can also connect an infrared signal receiver/emitter to operate devices in the main zone from Zone2 (p.74).

# Connecting a device compatible with the trigger function

The trigger function can control an external device in conjunction with operating the unit (such as powering on/off and input selection). If you have a Yamaha subwoofer that supports a system connection or a device with a trigger input jack, you can use the trigger function by connecting the external device to the TRIGGER OUT jack.

#### The unit (rear)





• You can configure the trigger function settings in "Trigger Output" (p.101) in the "Setup" menu.

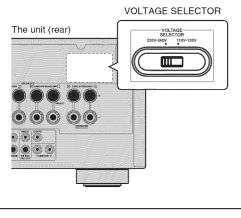
# 8 Connecting the power cable

# Before connecting the power cable (General model only)

Set the switch position of VOLTAGE SELECTOR according to your local voltage. Voltages are AC 110–120/220–240 V, 50/60~Hz.

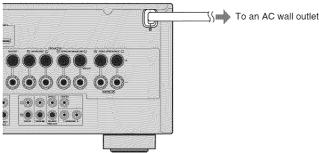


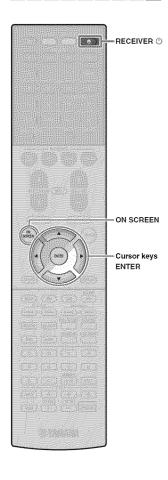
Make sure you set VOLTAGE SELECTOR of the unit BEFORE plugging the power cable into an AC
wall outlet. Improper setting of VOLTAGE SELECTOR may cause damage to the unit and create a
potential fire hazard.



After all the connections are complete, plug in the power cable.

#### The unit (rear)





# Selecting an on-screen menu language

Select the desired on-screen menu language from English (default), Japanese, French, German, Spanish, Russian and Chinese.

- Press RECEIVER () to turn on the unit.
- Turn on the TV and switch the TV input to display video from the unit (HDMI OUT jack).
- Press ON SCREEN.
- Use the cursor keys to select "Setup" and press ENTER.



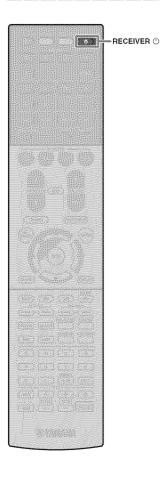
Use the cursor keys (</ ) to select "Language" and the cursor keys ( $\triangle/\nabla$ ) to select the desired language.



- To confirm the setting, press ENTER.
- To exit from the menu, press ON SCREEN.



• The information on the front display is provided in English only.

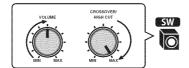


# Optimizing the speaker settings automatically (YPAO)

The Yamaha Parametric room Acoustic Optimizer (YPAO) function detects speaker connections, measures the distances from them to your listening position(s), and then automatically optimizes the speaker settings, such as volume balance and acoustic parameters, to suit your room.

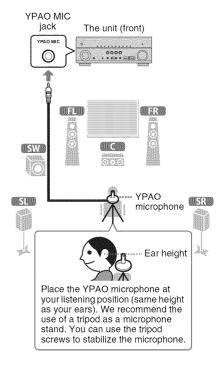


- · Please note the following when using YPAO.
- Use YPAO after connecting a TV and speakers to the unit
- During the measuring process, test tones are output at high volume. Ensure that the test tones do not frighten small children. Also, refrain from using this function at night when it may be a nuisance to others.
- During the measuring process, you cannot adjust the volume.
- During the measuring process, keep the room as quiet as possible.
- Do not connect headphones.
- Press RECEIVER () to turn on the unit.
- Turn on the TV and switch the TV input to display video from the unit (HDMI OUT jack).
- Turn on the subwoofer and set the volume to half. If the crossover frequency is adjustable, set it to maximum.

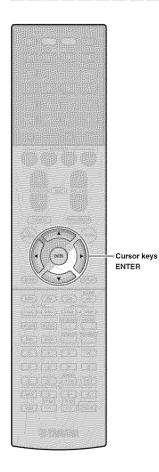




• If you are using bi-amp connection or Zone2 speakers, set "Power Amp Assign" (p.91) in the "Setup" menu to the appropriate setting before starting Place the YPAO microphone at your listening position (same height as your ears) and connect it to the YPAO MIC jack on the front panel.



# 1 2 3 4 5 6 7 8 9 10 Automatic speaker setup



The following screen appears on the TV.

### (RX-V673)



### (RX-V773)



(RX-V673)

This completes the preparations.

See "Measuring at one listening position (single measure)" (p.39) to start the measurement.

(RX-V773)

Proceed to Step 5.



• To cancel the operation, disconnect the YPAO microphone before starting the measurement

# (RX-V773 only) If desired, change the measuring method (multi/single).

- ① Use the cursor keys to select "Multi Position" and press ENTER.
- 2 Use the cursor keys to select a setting and then press ENTER.



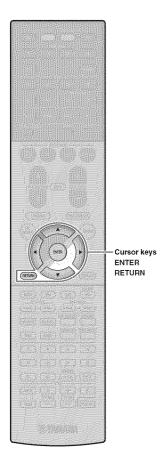
### Settings

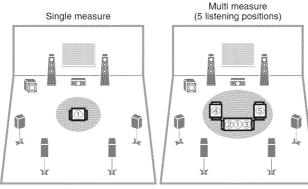
Yes	Select this option if you will have several listening positions or if you want others to enjoy surround sound. You can take measurements at up to 8 different positions in the room. The speaker settings will be optimized to suit the area defined by those positions (multi measure).
No (default)  Select this option if your listening position will alway fixed. Take the measurements at only one position. speaker settings will be optimized to suit that positi (single measure).	



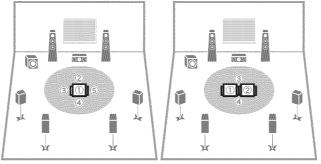
- If you perform the multi measure, the speaker settings will be optimized for you to enjoy surround sound in a wider space.
- If you perform the multi measure, first place the YPAO microphone at the listening position you will be seated most frequently.

# 1 2 3 4 5 6 7 8 9 10 Automatic speaker setup





Multi measure Multi measure (1 listening position + front/back/left/right) (2 listening positions + front/back)



This completes the preparations. See the following page to start the measurement

### When "Multi Position" is set to "Yes":

"Measuring at multiple listening positions (multi measure) (RX-V773 only)" (p.40)

### When "Multi Position" is set to "No":

"Measuring at one listening position (single measure)" (p.39)

# Measuring at one listening position (single measure)

Follow the procedure below for measurement.



- . Do not stand between the speakers and the YPAO microphone during the measurement process (about 3 minutes).
- · Move to the corner of the room or leave the room.

# To start the measurement, use the cursor keys to select "Measure" and press ENTER.

The measurement will start in 10 seconds. Press ENTER again to start the measurement immediately.



• To cancel the measurement temporarily, press RETURN.

The following screen appears on the TV when the measurement finishes.

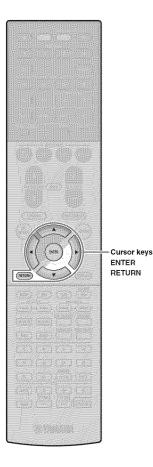




• If any error message (such as E-1) or warning message (such as W-1) appears, see "Error messages" (p.43) or "Warning messages" (p.44).



· To check the measurement results, select "Result". For details, see "Checking the measurement results" (p.41).



- Use the cursor keys to select "Save/Cancel" and press ENTER.
- To save the measurement results, use the cursor keys (<//>
  (<//>
  />) to select "SAVE" and press ENTER.



The adjusted speaker settings are applied.



- To finish the measurement without saving the result, select "CANCEL".
- Disconnect the YPAO microphone from the unit.

This completes optimization of the speaker settings.

### Caution

. The YPAO microphone is sensitive to heat, so should not be placed anywhere where it could be exposed to direct sunlight or high temperatures (such as on top of AV equipment).

# Measuring at multiple listening positions (multi measure) (RX-V773 only)

When "Multi Position" is set to "Yes", follow the procedure below for measurement.



- Do not stand between the speakers and the YPAO microphone during the measurement process. It takes about 10 minutes to measure 8 listening positions.
- . Move to the corner of the room or leave the room.
- If any error message (such as E-1) or warning message (such as W-1) appears, see "Error messages" (p.43) or "Warning messages" (p.44).
- To start the measurement, use the cursor keys to select "Measure" and press ENTER.

The measurement will start in 10 seconds. Press ENTER again to start the measurement immediately.



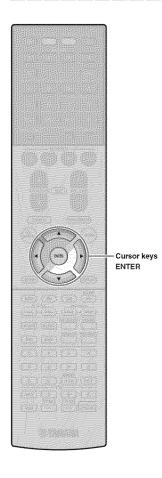
· To cancel the measurement temporarily, press RETURN.

The following screen appears on the TV when the measurement at the first position finishes.



Move the YPAO microphone to the next listening position and press ENTER.

Repeat step 2 until measurements at all listening positions (up to 8) have been taken.



When the measurements at the positions you want to measure are completed, use the cursor keys to select "CANCEL" and press ENTER.

When you have taken measurements at 8 listening positions, the following screen appears automatically.





- To check the measurement results, select "Result". For details, see "Checking the measurement results" (p.41).
- Use the cursor keys to select "Save/Cancel" and press ENTER.
- 5 To save the measurement result, use the cursor keys to select "SAVE" and press ENTER.



The adjusted speaker settings are applied.



. To finish the measurement without saving the result, select "CANCEL".

# 6 Disconnect the YPAO microphone from the unit.

This completes optimization of the speaker settings.

### Caution

 The YPAO microphone is sensitive to heat, so should not be placed anywhere where it could be exposed to direct sunlight or high temperatures (such as on top of AV equipment).

# Checking the measurement results

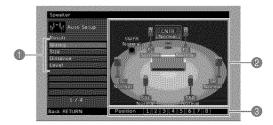
You can check the YPAO measurement results.

After the measurement, use the cursor keys to select "Result" and press ENTER.

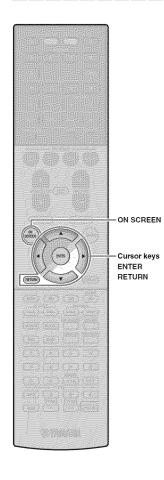


 You can also select "Result" from "Auto Setup" (p.89) in the "Setup" menu, which displays the previous measurement results.

The following screen appears.



- Measurement result items
- Measurement result details
- The number of measured positions (when multi measure is performed) \* RX-V773 only



# Use the cursor keys to select an item

Wiring	Polarity of each speaker  Normal: The speaker cable is connected with the correct polarity (+/-).  Reverse: The speaker cable may be connected with the reverse polarity (+/-).
Size of each speaker (cross-over frequency of subwoofer)  Large: The speaker can reproduce low-frequency of the signals effectively.  Small: The speaker cannot reproduce low-frequency of the signals effectively.	
Distance Distance from the listening position to each speak	
Level	Output level adjustment for each speaker



- . A speaker with a problem is indicated with a message enclosed in a red box.
- To finish checking the results and return to the previous screen, press RETURN.

# Reloading the previous YPAO adjustments

When the speaker settings you have configured manually are not suitable, follow the procedure below to discard the manual settings and reload the previous YPAO adjustments.

- In the "Setup" menu, select "Speaker", "Auto Setup", and then "Result" (p.88).
- Use the cursor keys to select "Setup Reload" and press ENTER.

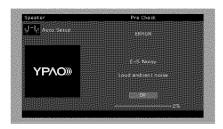


To exit from the menu, press ON SCREEN.

# 1 2 3 4 5 6 7 8 9 10 Automatic speaker setup

# **Error messages**

If any error message is displayed during the measurement, resolve the problem and perform YPAO again.



Error message	Cause	Remedy	
E-1: No Front SP	Front speakers are not detected.		
E-2: No Sur. SP	One of the surround speakers cannot be detected.	Follow the on-screen instructions to exit YPAO, turn off the unit, and then check the speaker connections.	
E-3: No F.PRNS SP	One of the presence speakers cannot be detected.		
E-4: SBR → SBL	A surround back speaker is connected to the R side only.	When using only one surround back speaker, you need to connect it to the SINGLE jack (L side). Follow the on-screen instructions to exit YPAO, turn off the unit, and then reconnect the speaker.	
E-5: Noisy The noise is too loud.		Keep the room quiet and follow the on-screen instructions to start the measurement again. If you select "PROCEED", YPAO takes the measurement again and ignores any noise detected.	
E-6: Check Sur.	Surround back speakers are connected, but no surround speakers are connected	Surround speakers need to be connected in order to use surround back speakers. Follow the on-screen instructions to exit YPAO, turn off the unit, and then reconnect the speakers.	
E-7: No MIC The YPAO microphone has been removed.		Connect the YPAO microphone to the YPAO MIC jack firmly and follow the on-screen instructions to start the measurement again.	
E-8: No Signal The YPAO microphone cannot detect test tones.		Connect the YPAO microphone to the YPAO MIC jack firmly and follow the on-screen instructions to start the measurement again. If this error occurs repeatedly, contact the nearest authorized Yamaha dealer or service center.	
E-9: User Cancel	The measurement has been canceled.	Follow the on-screen instructions to start the measurement again. To cancel the measurement, select "EXIT".	
E-10: Internal Error An internal error has occurred.		Follow the on-screen instructions to exit YPAO, turn off and on the unit. If this error occurs repeatedly, contact the nearest authorized Yamaha dealer or service center.	

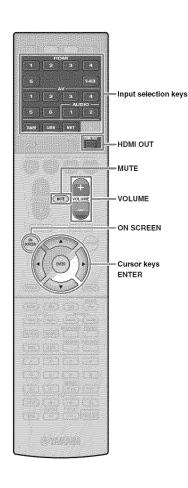
# 1 2 3 4 5 6 7 8 9 10 Automatic speaker setup

# Warning messages

If a warning message is displayed after the measurement, you can still save the measurement results by following on-screen instructions. However, we recommend you perform YPAO again in order to use the unit with the optimal speaker settings.



Warning message	Cause	Remedy
W-1: Out of Phase	A speaker cable may be connected with the reverse polarity (+/-).	Select "Wiring" in "Result" (p.41) and check the cable connections (+/-) of the speaker identified by "Reverse". If the speaker is connected incorrectly, turn off the unit and then reconnect the speaker cable. Depending on the type of speakers or room environment, this message may appear even if the speakers are connected correctly.
W-2: Over Distance	A speaker is placed more than 24 m (80 ft) from the listening position.	Select "Distance" in "Result" (p.41) and move the speaker identified by ">24.0m (>80.0ft)" within 24 m (80 ft) of the listening position.
W-3: Level Error	There are significant volume differences between the speakers.	Check the usage environment and cable connections (+/-) of each speaker, and the volume of the subwoofer. We recommend using the same speakers or speakers with specifications that are as similar as possible.



# **PLAYBACK**

# Basic playback procedure

- Turn on the external devices (such as a TV or BD/DVD player) connected to the unit.
- Use the input selection keys to select an input source.
- Start playback on the external device or select a radio station.

Refer to the instruction manual for the external device. For details on the following operations, see the corresponding pages.

- Listening to FM/AM radio (p.53)
- Playing back iPod music (p.58)
- Playing back music stored on a USB storage device (p.62)
- Playing back music stored on media servers (PCs/NAS) (p.65)
- Listening to Internet radio (p.68)
- Playing back iTunes/iPod music via a network (AirPlay) (p.70)
- 4 Press VOLUME to adjust the volume.



- To mute the audio output, press MUTE. Press MUTE again to unmute.
- To adjust the treble/bass settings, use the "Option" menu or TONE CONTROL on the front panel (p.79).



On-screen input selection

- 1 Press ON SCREEN.
- ② Use the cursor keys to select "Input" and press ENTER.
- ③ Use the cursor keys to select the desired input source and press ENTER.

# Selecting an HDMI output jack (RX-V773 only)

Press HDMI OUT to select an HDMI OUT jack.

Each time you press the key, the HDMI OUT jack to be used for signal output changes.

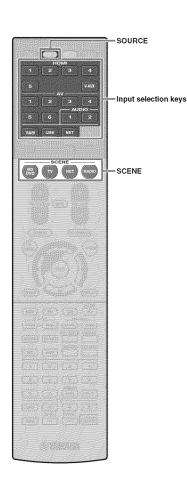


HDMI OUT 1+2	Outputs the same signal at both the HDMI OUT 1 and HDMI OUT 2 jacks.
HDMI OUT 1	- Output the signals at the selected HDMI OUT jack,
HDMI OUT 2	- Output the signals at the selected FIDIM OOT Jack.

**HDMI OUT Off** Does not output the signals at the HDMI OUT jacks.



- You can also select an HDMI output jack by selecting a scene (p.46).
- When "HDMI OUT 1+2" is selected, the unit outputs video signals at the highest resolution supported by both TVs (or projectors) connected to the unit. (For example, if you have connected a 1080p TV to the HDMI OUT 1 jack and a 720p TV to the HDMI OUT 2 jack, the unit outputs 720p video signals.)



# Selecting the input source and favorite settings with one touch (SCENE)

The SCENE function allows you to select the assigned input source, sound program, Compressed Music Enhancer on/off, and HDMI output jack (RX-V773 only) with just one touch.

### Press SCENE.

The input source and settings registered to the corresponding scene are selected. The unit turns on automatically when it is in standby mode.

By default, the following settings are registered for each scene.

SCENE	Input	Sound program	Compressed Music Enhancer	HDMI output jack (RX-V773 only)
BD/DVD	HDMI 1	MOVIE (Sci-Fi)	Off	HDMI OUT 1+2
TV	AV 4	STRAIGHT	On	HDMI OUT 1+2
NET	NET RADIO	MUSIC (7ch Stereo)	On	HDMI OUT 1+2
RADIO	TUNER	MUSIC (7ch Stereo)	On	HDMI OUT 1+2

# **Configuring scene assignments**

- Perform the following operations to prepare the settings you want to assign to a scene.
  - Select an input source (p.45)
  - Select a sound program (p.47)
  - Enable/disable Compressed Music Enhancer (p.52)
  - (RX-V773 only)
     Selecting an HDMI output jack (p.45)
- Hold down the desired SCENE key until "SET Complete" appears on the front display.

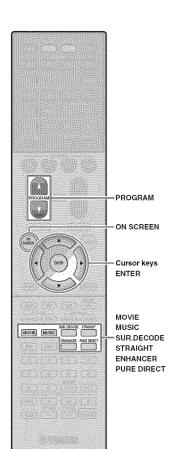


If you want to control the corresponding playback device after selecting the scene, hold down the corresponding SCENE key and input selection key together for more than 3 seconds.

Once the setting is completed successfully, SOURCE blinks twice.



- If you have not registered the remote control code of the playback device yet, see "Registering the remote control codes for playback devices" (p.109) to register it.
- · You can also configure scene assignments in the "Scene" menu (p.83).
- The SCENE link playback function allows you to start playback of an external device connected to the unit via HDMI or of a Yamaha product connected to the REMOTE OUT jack. To enable SCENE link playback, specify the device type in "Device Control" (p.84) in the "Scene" menu.



# Selecting the sound mode

The unit is equipped with a variety of sound programs and surround decoders that allow you to enjoy playback sources with your favorite sound mode (such as sound field effect or stereo playback).

### Selecting a sound program suitable for movies (p.48)

Press MOVIE repeatedly.

### Selecting a sound program suitable for music or stereo playback (p.49)

Press MUSIC repeatedly.

### Selecting a surround decoder (p.51)

Press SUR.DECODE repeatedly.

### Switching to the straight decode mode (p.50)

Press STRAIGHT.

### Switching to the Pure Direct mode (p.51)

Press PURE DIRECT.

# **Enable Compressed Music Enhancer (p.52)**

Press ENHANCER.



### On-screen sound program/surround decoder selection

- 1) Press ON SCREEN.
- 2 Use the cursor keys to select "Sound Program" and press ENTER.
- 3 Use the cursor keys to select a sound program/surround decoder and press ENTER.



- · You can also switch the sound programs and surround decoder by pressing
- You can change the settings of the surround programs and surround decoders in the "Sound Program" menu (p.85)
- . The sound mode can be applied separately to each input source.
- · When you play back audio signals with a sampling rate of higher than 96 kHz, the straight decode mode (p.50) is automatically selected.
- · You can check which speakers are currently outputting sound by looking at the speaker indicators on the unit's front panel (p.10) or at the "Audio Signal" screen in the "Information" menu (p.103).

# **Enjoying sound field effects (CINEMA DSP)**

# CINEMA DEP

The unit is equipped with a variety of sound programs that utilize Yamaha's original DSP technology (CINEMA DSP). It allows you to easily create sound fields like actual movie theaters or concert halls in your room.

Sound program category



# **■ Sound programs suitable for movies (MOVIE)**

The following sound programs are optimized for viewing video sources, such as movies, TV programs, and games.

### ■ MOVIE THEATER

Standard	This program creates a sound field that emphasizes the surround feeling without disturbing the original acoustic positioning of multichannel audio, such as Dolby Digital and DTS. Its design is based on the concept of the ideal movie theater, in which the audience is surrounded by beautiful reverberations from the left, right, and rear.
This program delivers the scale and grandeur of spectacular movie productions, It delivers an expansive sound space to match the cinemascope wide-screen, and boasts a broad dynamic range, provide everything from small delicate sounds to powerful loud booms.	
Sci-Fi	This program clearly reproduces the finely elaborated sound design of the latest Sci-Fi and SFX movies. You can enjoy a variety of cinematographically created virtual spaces reproduced with clear separation between dialogue, sound effects, and background music.
Adventure	This program is ideal for reproducing the sound design of action and adventure movies precisely. The sound field restrains reverberations, but puts emphasis on reproducing a sensation of expansiveness on both sides, powerful space expanded widely to the left and right. The restrained depth creates a clear and powerful space, while also maintaining the articulation of the sounds and the separation of the channels.

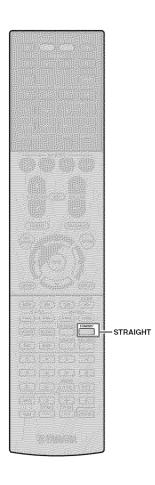
This program features stable reverberations that match a wide range of movie genres, from serious dramas to musicals and comedies. The reverberations are modest, but suitably stereophonic. The sound effects and background music are reproduced with a gentle echo that does not impinge on the articulation of the dialogue. You'll never get tired listening for long periods.  This program reproduces monaural video sources, such as classic movies, in an atmosphere of a good old movie theater. The program creates a pleasant space with depth, by adding breadth and the appropriate reverberation to the original audio.		
This program allows listeners to enjoy the rich vividness of sport broadcasts and light entertainment programs. In sports broadcasts, the commentators' voices are positioned clearly at the center, while the atmosphere inside the stadium is realistically conveyed by the peripheral delivery of the sounds of the fans in a suitable space.		
This program is suitable for action games, such as car racing and fighting games. The reality of, and emphasis on, various effects makes the player feel like they are right in the middle of the action, allowing for greater concentration. Use this program in combination with Compressed Music Enhancer for a more dynamic and strong sound field.		
This program is suitable for role-playing and adventure games. This program adds depth to the sound field for natural and realistic reproduction of background music, special effects, and dialogue from a wide variety of scenes. Use this program in combination with Compressed Music Enhancer for a clearer and more spatial sound field.		
This program allows you to enjoy videos of pop, rock, and jazz concerts, as if you were there yourself. Immerse yourself in the hot concert atmosphere thanks to the vividness of the singers and solos on stage, a presence sound field that emphasizes the beat of rhythm instruments, and a surround sound field that reproduces the space of a big live hall.		

# Sound programs suitable for music/stereo playback (MUSIC)

The following sound programs are optimized for listening to music sources. You can also select stereo playback.

# ☐ CLASSICAL

☐ CLASSICAL			
Hall in Munich	This program simulates a Munich concert hall with approximately 2,500 seats that uses stylish wood for the interior finishing. Fine, beautiful reverberations spread richly, creating a calming atmosphere. The listener's virtual seat is at the center left of the arena.		
Hall in Vienna  This program simulates a 1,700-seat, middle-sized concert hall shoebox shape that is traditional in Vienna. Pillars and ornate concert extremely complex reverberations from all around the authorized producing a very full, rich sound.			
This program creates a relatively wide space with a high ceiling, like  Chamber audience hall in a palace. It offers pleasant reverberations that are so for courtly music and chamber music.			
□ LIVE/CLUB			
Cellar Club  This program simulates an intimate concert venue with a low cei homey atmosphere. A realistic, live sound field delivers powerful that make you feel as if you are sitting in the front row in front of a stage.			
This program creates the sound field of a 460-seat rock music conce venue in Los Angeles. The listener's virtual seat is at the center left of hall.			
The Bottom Line  The Bottom Line  The Bottom Line  This program creates the sound field at stage front in The Bottom famous New York jazz club once. The floor can seat 300 people and right in a sound field offering real and vibrant sound.			
☐ STEREO			
Use this program to mix down multichannel sources to 2 channels. W  2ch Stereo multichannel signals are input, they are down mixed to 2 channels and output from the front speakers (this program does not utilize CINEMA I			
7ch Stereo  Use this program to output sound from all speakers. When you play multichannel sources, the unit mixes down the source to 2 channels then outputs the sound from all speakers. This program creates a la sound field and is ideal for background music at parties.			



# Enjoying stereoscopic sound fields (CINEMA DSP 3D)

CINEMADS 2 3D

CINEMA DSP 3D creates a natural stereoscopic sound field in your room.

CINEMA DSP 3D functions when both of the following conditions are met.

- One of the sound programs (except 2ch Stereo and 7ch Stereo) is selected (p.48).
- "CINEMA DSP 3D Mode" (p.79) in the "Option" menu is set to "On".

"CINEMA DSP 3" lights up





· We recommend using presence speakers in order to experience the full effect of the stereoscopic sound fields. However, even when no presence speakers are connected, the unit creates Virtual Presence Speaker (VPS) using the front, center, and surround speakers to produce stereoscopic sound fields.

# **Enjoying sound field effects without** surround speakers (Virtual CINEMA DSP)

If you select one of the sound programs (except 2ch Stereo and 7ch Stereo) when no surround speakers are connected, the unit automatically creates the surround sound field using the front-side speakers.

# **Enjoying unprocessed playback**

You can play back input sources without any sound field effect processing.

# Playing back in original channels (straight decode)

When the straight decode mode is enabled, the unit produces stereo sound from the front speakers for 2-channel sources such as CDs, and produces unprocessed multichannel sounds for multichannel sources.

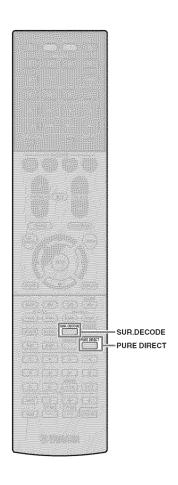
# Press STRAIGHT.

Each time you press the key, the straight decode mode is enabled or disabled.





• To enable 6.1/7.1-channel playback from 5.1-channel sources when surround back speakers are used, set "Extended Surround" (p.80) in the "Option" menu to a setting other than "Off".



# Playing back 2-channel sources in multichannel (surround decoder)

The surround decoder enables unprocessed multichannel playback from 2-channel sources. When a multichannel source is input, it works the same way as the straight decode mode. For details on each decoder see "Glossary" (p.122).

# Press SUR.DECODE to select a surround decoder.

Each time you press the key, the surround decoder changes.



<b>I</b> Pro Logic	Uses the Dolby Pro Logic decoder suitable for all sources.	
<b>™</b> PLIIx Movie	Use the Dolby Pro Logic IIx decoder (or Dolby Pro	
☑PLII Movie	Logic II decoder) suitable for movies.	
<b>™</b> PLIIx Music	Use the Dolby Pro Logic IIx decoder (or Dolby Pro	
☑PLII Music	Logic II decoder) suitable for music.	
<b>▼</b> PLIIx Game	Use the Dolby Pro Logic IIx decoder (or Dolby Pro Logic II decoder) suitable for games.	
☑PLII Game		
Neo:6 Cinema	Uses the DTS Neo:6 decoder suitable for movies.	
Neo:6 Music	Uses the DTS Neo:6 decoder suitable for music.	



 You cannot select the Dolby Pro Logic IIx decoders when headphones are connected or when "Surround Back" in the "Setup" menu is set to "None".

# **Enjoying pure high fidelity sound (Pure Direct)**

When the Pure Direct mode is enabled, the unit plays back the selected source with the least circuitry in order to reduce the electrical noise from other circuitry (such as the front display). It allows you to enjoy Hi-Fi sound quality.

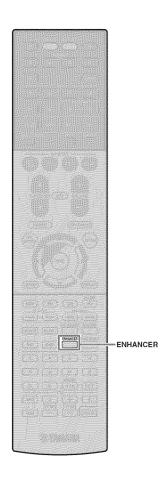
# Press PURE DIRECT.

Each time you press the key, the Pure Direct mode is enabled or disabled.





- · When the Pure Direct mode is enabled, the following functions are not available.
- Some settings for the speakers or sound programs
- Operating the on-screen menu
- Using the multi-zone function
- Audio output from the AV OUT and AUDIO OUT jacks
- Viewing information on the front display (when not in operation)



# **Enjoying compressed music with enhanced** sound (Compressed Music Enhancer)

compressed music **ENHANCER** 

Compressed Music Enhancer adds depth and breadth to the sound, allowing you to enjoy a dynamic sound close to the original sound before it was compressed. This function can be used along with any other sound modes.

### Press ENHANCER.

Each time you press the key, Compressed Music Enhancer is enabled or disabled.

"ENHANCER" lights up Enhancer



· Compressed Music Enhancer does not work on signals whose sampling rate is over 48 kHz.

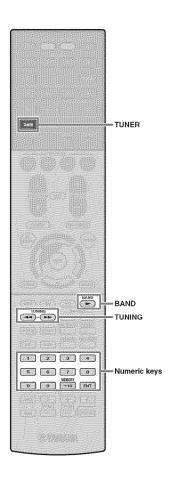


• You can also use "Enhancer" (p.80) in the "Option" menu to enable/disable Compressed Music Enhancer.

# **Enjoying surround sound with headphones** (SILENT CINEMA)



You can enjoy surround or sound field effects, like a multichannel speaker system, with stereo headphones by connecting the headphones to the PHONES jack and selecting a sound program or a surround decoder.



# Listening to FM/AM radio

You can tune into a radio station by specifying its frequency or selecting from registered radio stations.



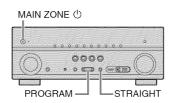
- . The radio frequencies differ depending on the country or region where the unit is being used. The explanation of this section uses a display with frequencies used in U.K. and Europe models.
- If you cannot obtain good reception on the radio, adjust the direction of the FM/AM

# Setting the frequency steps

(Asia and General models only)

At the factory, the frequency step setting is set to 50 kHz for FM and 9 kHz for AM. Depending on your country or region, set the frequency steps to 100 kHz for FM and 10 kHz for AM.

- Set the unit to standby mode.
- When holding down STRAIGHT on the front panel, press MAIN ZONE ().



Press PROGRAM repeatedly to select "TU".



- Press STRAIGHT to select "FM100/AM10".
- Press MAIN ZONE () to set the unit to standby mode and turn it on again.

# Selecting a frequency for reception

- Press TUNER to select "TUNER" as the input source.
- Press BAND to select a band (FM or AM).



Use the following keys to set a frequency.

TUNING: Increase/decrease the frequency. Hold down the key for about a second to search stations automatically.

Numeric keys: Enter a frequency directly. For example, to select 98.50 MHz, press "9", "8", "5" and "0" (or ENT).



"TUNED" lights up when a signal is received from a radio station.

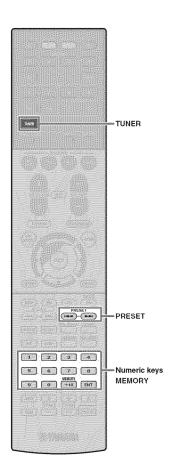
"STEREO" also lights up when a stereo signal is received.



. "Wrong Station!" appears when you enter a frequency that is out of reception range.



· You can switch between "Stereo" (stereo) and "Mono" (monaural) for FM radio reception in "FM Mode" (p.80) in the "Option" menu. When the signal reception for an FM radio station is unstable, switching to monaural may improve it.



# Registering favorite radio stations (presets)

You can register up to 40 radio stations as presets. Once you have registered stations, you can easily tune into them by selecting their preset numbers.



· You can automatically register FM radio stations that have strong signals by using "Auto Preset" (p.57).

# Registering a radio station

Select a radio station manually and register it to a preset number.

- Follow "Selecting a frequency for reception" (p.53) to tune into the desired radio station.
- Hold down MEMORY for more than 2 seconds.

The first time that you do register a station, the selected radio station will be registered to the preset number "01". Thereafter, each radio station you select will be registered to the next empty (unused) preset number after the most recently registered number.





 To select a preset number for registering, press MEMORY once after tuning into the desired radio station, press PRESET to select a preset number, and then press MEMORY again.



"Empty" (not in use) or the frequency currently registered

# Selecting a preset station

Tune into a registered radio station by selecting its preset number.

- Press TUNER to select "TUNER" as the input source.
- Press PRESET repeatedly to select the desired radio station.

You can also enter a preset number (01 to 40) directly by using the numeric keys after pressing PRESET once.

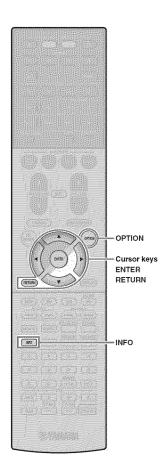




- · "No Presets" appears when no radio stations are registered.
- · "Wrong Num." appears when an invalid number is entered.
- . "Empty" appears when a preset number not in use is entered.



• To clear preset stations, use "Clear Preset" or "Clear All Preset" (p.57).



# **Radio Data System tuning**

(U.K. and Europe models only)

Radio Data System is a data transmission system used by FM stations in many countries. The unit can receive various types of Radio Data System data, such as "Program Service", "Program Type," "Radio Text" and "Clock Time", when it is tuned into a Radio Data System broadcasting station.

# Displaying the Radio Data System information

Tune into the desired Radio Data System broadcasting station.



• We recommend using "Auto Preset" to tune into the Radio Data System broadcasting stations (p.57).

# 2 Press INFO.

Each time you press the key, the displayed item changes.



About 3 seconds later, the corresponding information for the displayed item appears.



Program Service	Program service name
Program Type	Current program type
Radio Text	Information on the current program
Clock Time	Current time
DSP Program	Sound mode name
Audio Decoder	Decoder name
Frequency	Frequency



 "Program Service", "Program Type", "Radio Text", and "Clock Time" are not displayed if the radio station does not provide the Radio Data System service

# Receiving traffic information automatically

When "TUNER" is selected as the input source, the unit automatically receives traffic information. To enable this function, follow the procedure below to set the traffic information station.

- When "TUNER" is selected as the input source, press OPTION.
- Use the cursor keys to select "Traffic Program" (TrafficProgram) and press ENTER.

The traffic information station search will start in 5 seconds. Press ENTER again to start the search immediately.



- To search upward/downward from the current frequency, press the cursor keys ( $\triangle/\nabla$ ) while "READY" is displayed.
- . To cancel the search, press RETURN.
- · Texts in parentheses denote indicators on the front display.

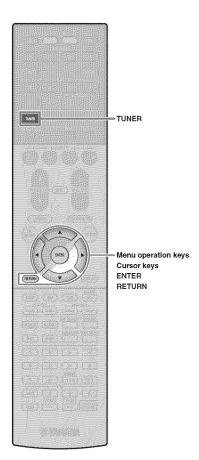
The following screen appears for about 3 seconds when the search finishes.



Traffic information station (frequency)



 "TP Not Found" appears for about 3 seconds when no traffic information stations are found.



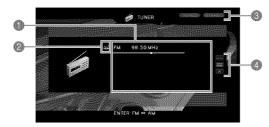
# Operating the radio on the TV

You can view the radio information or select a radio station on the TV.

# Press TUNER to select "TUNER" as the input source.

The playback screen is displayed on the TV.

# Playback screen



### Radio station information

Displays the information of the selected radio station such as the selected band (FM/AM) and frequency.

(U.K. and Europe models only)

When tuning into a Radio Data System broadcasting station (p.55), the Radio Data System information ("Program Service", "Program Type," "Radio Text" and "Clock Time") is also displayed.

### Band icon

(Except for U.K. and Europe models) Select this icon and press ENTER to switch between FM and AM.

### TUNED/STEREO indicators

"TUNED" lights up when a signal is received from a radio station. "STEREO" lights up when a stereo signal is received.

### Operation menu

Use the cursor keys to select an item and press ENTER to confirm the selection.

To close the submenu, press RETURN.

Menu	Submenu	Function	
	FM	(U.K. and Europe models only)	
	AM	Switches to FM/AM.	
	Tuning (+/-)	Selects a frequency.	
Manual Tuning	Auto (+/-)	Selects a radio station automatically.	
	Memory	Registers the selected station as presets.	
	Direct	Enters a frequency directly.	
Browse		Moves to the browse screen (preset station list).	
Screen Off		Closes the screen display and shows the background. Press one of the menu operation keys to redisplay it.	



### Browse screen



### Preset station list

Displays the list of preset stations. Use the cursor keys to select a preset station and press ENTER to tune into it.

### Preset number

### Operation menu

Menu operation keys

Cursor keys

ENTER RETURN Use the cursor keys to select an item and press ENTER to confirm the selection.

To close the submenu, press RETURN.

Menu	Submenu	Function
Utility	Memory	Registers the current station to the preset number selected in the list.
	Auto Preset	Automatically registers FM radio stations with strong signals (up to 40 stations).
	Clear Preset	Clear the preset station selected in the list.
	Clear All Preset	Clear all the preset stations.
1 Page Up 1 Page Down		Moves to the previous/next page of the list.
Screen Off		Closes the screen display and shows the background. Press one of the menu operation keys to redisplay it.

# Playing back iPod music

You can play back iPod music on the unit using a USB cable supplied with the iPod.



- · Some features may not be compatible, depending on the model or software version of the iPod.
- To play back iPod videos on the unit, an Apple Composite AV Cable (not supplied) is required. Connect the USB and composite video plugs of the Apple Composite AV cable to the USB jack and VIDEO jack on the front panel. To select a video, operate the iPod itself in the simple play mode (p.60).

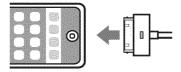
Supported iPods (as of January 2012)

- · iPod touch, iPod nano (2nd gen. to 6th gen.)
- iPhone 4S, iPhone 4, iPhone 3GS, iPhone 3G, iPhone
- · iPad2, iPad

# Connecting an iPod

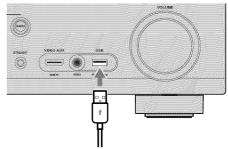
Connect your iPod to the unit with the USB cable supplied with the iPod.

Connect the USB cable to the iPod.



Connect the USB cable to the USB jack.

The unit (front)



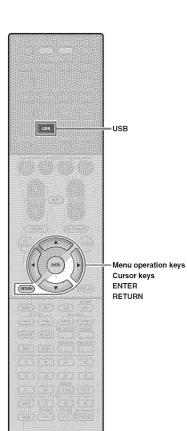




• The iPod charges while it is connected to the unit. If you set the unit to standby mode while the iPod is charging, the iPod continues to charge up to 4 hours. If "Network Standby" (p.98) in the "Setup" menu is set to "On", it continues to change until full.



. Disconnect the iPod from the USB jack when it is not in use.



# Playback of iPod content

Follow the procedure below to operate the iPod contents and start playback.

You can control the iPod with the menu displayed on the TV screen.

Press USB to select "USB" as the input source.

The browse screen is displayed on the TV.





- If playback is ongoing on your iPod, the playback screen is displayed.
- Use the cursor keys to select an item and press ENTER.

If a song is selected, playback starts and the playback screen is displayed.





- · To return to the previous screen, press RETURN.
- . To operate the iPod manually to select content or control playback, switch to the simple play mode (p.60).

### Browse screen



### Status indicators

Display the current repeat/shuffle settings (p.61) and playback status (such as play/pause).

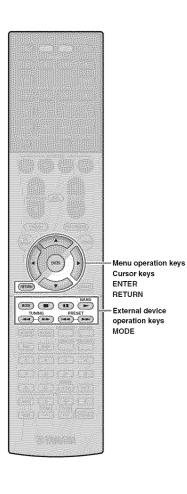
- List name
- Contents list

Displays the list of iPod content. Use the cursor keys to select an item and press ENTER to confirm the selection.

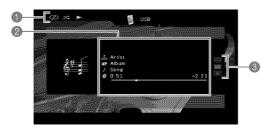
- Item number/total
- Operation menu

Use the cursor keys to select an item and press ENTER to confirm the selection.

Menu	Function	
1 Page Up	Moves to the previous/next page of the list.	
1 Page Down	— Moves to the previous/hext page of the list.	
10 Pages Up	Moves 10 pages forward/backward.	
10 Pages Down	— Moves to pages forward/backward.	
Return	Returns to the higher-level list.	
Now Playing	Moves to the playback screen.	
Screen Off	Closes the screen display and shows the background. Press one of the menu operation keys to redisplay it.	



# Playback screen



### Status indicators

Display the current repeat/shuffle settings (p.61) and playback status (such as play/pause).

### Playback information

Displays the artist name, album name, song title, and elapsed/remaining time.

Use the cursor keys to select scrollable information.

### Operation menu

Use the cursor keys to select an item and press ENTER to confirm the selection.

To close the submenu, press RETURN.

Menu	Submenu	Function
	<b>&gt;</b>	Resumes playback from pause.
	-	Stops playback.
		Stops playback temporarily.
Play Control	144	- Skips forward/backward.
	▶₩	onipo forward/baokward.
		Searches forward/backward (by holding
	<b>&gt;&gt;</b>	down).
Browse		Moves to the browse screen.
Screen Off		Closes the screen display and shows the background. Press one of the menu operation keys to redisplay it.



 You can also use the external device operation keys on the remote control to control playback.

# Operating the iPod itself or remote control (simple play)

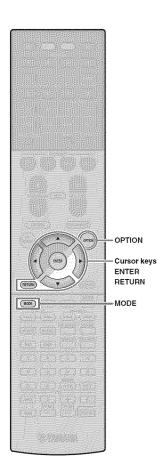
# Press MODE to switch to the simple play mode.

The TV menu screen turns off and iPod operations are enabled.

To display the TV menu screen, press MODE again.

# Operate your iPod itself or the remote control to start playback.

Operational remote control keys	Function
Cursor keys	Select an item.
ENTER	Confirms the selection.
RETURN	Returns to the previous screen.
<u> </u>	Starts playback or stops playback temporarily.
	Stops playback.
external device operation keys	- Skips forward/backward.
<b>◄</b>	Searches forward/backward (by holding down).



# **■** Repeat/shuffle settings

You can configure the repeat/shuffle settings of your iPod.



- During simple play, configure the repeat/shuffle settings directly on your iPod or press MODE to display the TV menu screen and then follow the procedure below.
- When "USB" is selected as the input source, press OPTION.
- Use the cursor keys to select "Shuffle" (Shuffle) or "Repeat" (Repeat) and press ENTER.



- To return to the previous screen during menu operations, press RETURN.
- Texts in parentheses denote indicators on the front display.
- **3** Use the cursor keys  $(\triangleleft/\triangleright)$  to select a setting.

Item	Setting	Function
Shuffle (Shuffle)	Off (Off)	Turns off the shuffle function.
	Songs (Songs)	Plays back songs in random order. "X" appears in the TV screen.
	Albums (Albums)	Plays back albums in random order. "X" appears in the TV screen.
Repeat (Repeat)	Off (Off)	Turns off the repeat function.
	One (One)	Plays back the current song repeatedly. " つ" appears in the TV screen.
	All (All)	Plays back all songs repeatedly. "" appears in the TV screen.

4 To exit from the menu, press OPTION.



# Playing back music stored on a USB storage device

You can play back music files stored on a USB storage device on the unit. Refer to the instruction manuals for the USB storage device for more information.

The unit supports USB mass storage class devices (FAT16 or FAT32 format).

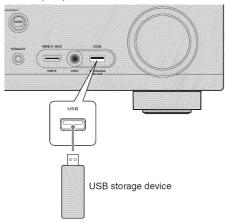


- The unit supports WAV (PCM format only), MP3, WMA, MPEG-4 AAC and FLAC
- . The unit is compatible with sampling rate of up to 96 kHz for WAV and FLAC files, and 48 kHz for other files.
- · Some features may not be compatible, depending on the model or manufacturer of the USB storage device.

# Connecting a USB storage device

Connect the USB storage device to the USB jack.

The unit (front)







• If the USB storage device contains many files, it may take time to load the them. In this case, "Loading..." appears in the front display.



. Disconnect the USB storage device from the USB jack when it is not in use.

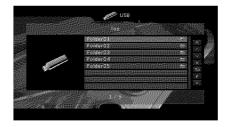
# Playback of USB storage device contents

Follow the procedure below to operate the USB storage device contents and start playback.

You can control the USB memory device with the menu displayed on the TV screen.

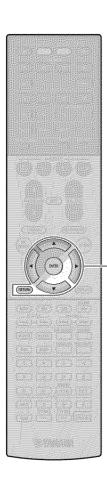
Press USB to select "USB" as the input source.

The browse screen is displayed on the TV.





· If playback is ongoing on your USB storage device, the playback screen is displayed.



# Use the cursor keys to select an item and press ENTER.

If a song is selected, playback starts and the playback screen is displayed.





Menu operation keys

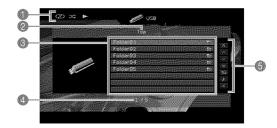
Cursor keys

**ENTER** 

RETURN

- To return to the previous screen, press RETURN.
- · Files not supported by the unit cannot be selected.

### Browse screen



### Status indicators

Display the current repeat/shuffle settings (p.64) and playback status (such as play/pause).

### List name

### Contents list

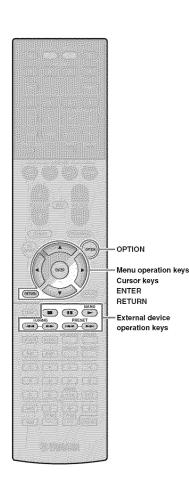
Displays the list of USB storage device contents. Use the cursor keys to select an item and press ENTER to confirm the selection.

### Item number/total

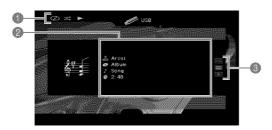
### Operation menu

Use the cursor keys to select an item and press ENTER to confirm the selection.

Menu	Function	
1 Page Up	M	
1 Page Down	Moves to the previous/next page of the list.	
10 Pages Up	Mayon 10 pages forward/backgrard	
10 Pages Down	— Moves 10 pages forward/backward.	
Return	Returns to the higher-level list.	
Now Playing	Moves to the playback screen.	
Screen Off	Closes the screen display and shows the background. Press one of the menu operation keys to redisplay it.	



# Playback screen



### Status indicators

Display the current repeat/shuffle settings (p.64) and playback status (such as play/pause)

### Playback information

Displays the artist name, album name, song title, and elapsed time. Use the cursor keys to select scrollable information.

### Operation menu

Use the cursor keys to select an item and press ENTER to confirm the

To close the submenu, press RETURN.

Menu	Submenu	Function
	<b>&gt;</b>	Resumes playback from pause.
	-	Stops playback.
Play Control	••	Stops playback temporarily.
	H-4	– Skips forward/backward.
	<b>&gt;&gt;</b>	
Browse		Moves to the browse screen.
Screen Off		Closes the screen display and shows the background. Press one of the menu operation keys to redisplay it.



 You can also use the external device operation keys (►, ■, ■, ■, ►►) on the remote control to control playback.

# Repeat/shuffle settings

You can configure the repeat/shuffle settings for playback of USB storage device contents.

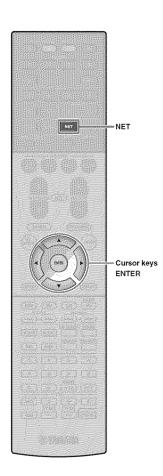
- When "USB" is selected as the input source, press OPTION.
- Use the cursor keys to select "Shuffle" (Shuffle) or "Repeat" (Repeat) and press ENTER.



- To return to the previous screen during menu operations, press RETURN.
- · Texts in parentheses denote indicators on the front display.
- Use the cursor keys  $(\triangleleft/\triangleright)$  to select a setting.

ltem	Setting	Function
Shuffle (Shuffle)	Off (Off)	Turns off the shuffle function.
	On (On)	Plays back songs in the current album (folder) in random order. "X;" appears on the TV screen.
Repeat (Repeat)	Off (Off)	Turns off the repeat function.
	One (One)	Plays back the current song repeatedly. "" appears on the TV screen.
	All (All)	Plays back all songs in the current album (folder) repeatedly. "  " appears on the TV screen.

To exit from the menu, press OPTION.



# Playing back music stored on media servers (PCs/NAS)

You can play back music files stored on your PC or DLNA-compatible NAS on the unit.



- . To use this function, the unit and your PC must be connected to the same router (p.32). You can check whether the network parameters (such as the IP address) are properly assigned to the unit in "Network" (p.104) in the "Information" menu.
- . The unit supports playback of WAV (PCM format only), MP3, WMA, MPEG-4 AAC and FLAC files.
- The unit is compatible with sampling rates of up to 96 kHz for WAV and FLAC files, and 48 kHz for other files.
- To play back FLAC files, you need to install server software that supports sharing of FLAC files via DLNA on your PC or use a NAS that supports FLAC files.

# Media sharing setup

To play back music files stored on your PC or DLNA-compatible NAS, first you need to configure the media sharing setting on each music server.

# For a PC with Windows Media Player installed

- Check that Windows Media Player 11 or later is installed on your PC.
- In the media sharing settings, enable media sharing and allow media to be shared with the device.

# For a PC or a NAS with other DLNA server software installed

Refer to the instruction manual for the device or software and configure the media sharing settings.

# **Playback of PC music contents**

Follow the procedure below to operate the PC music contents and start playback.

You can control the PC/NAS with the menu displayed on the TV screen.

Press NET repeatedly to select "SERVER" as the input source.

The browse screen is displayed on the TV.





- . If playback of a music file selected from the unit is ongoing on your PC, the playback screen is displayed.
- Use the cursor keys to select a music server and press ENTER.



# Use the cursor keys to select an item and press ENTER.

If a song is selected, playback starts and the playback screen is displayed.





Menu operation keys

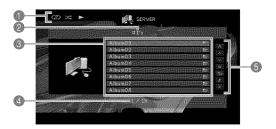
Cursor keys

**ENTER** 

RETURN

- To return to the previous screen, press RETURN.
- · Files not supported by the unit cannot be selected.

### Browse screen



### Status indicators

Display the current repeat/shuffle settings (p.67) and playback status (such as play/pause).

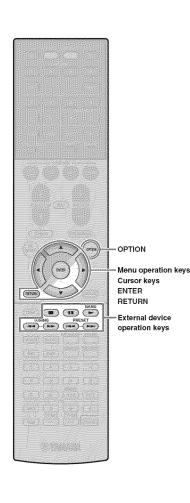
- List name
- Contents list

Displays the list of PC content. Use the cursor keys to select an item and press ENTER to confirm the selection.

- Item number/total
- Operation menu

Use the cursor keys to select an item and press ENTER to confirm the selection.

Menu	Function	
1 Page Up	Moves to the previous/next page of the list.	
1 Page Down	— Moves to the previous/hext page of the list.	
10 Pages Up	Moves 10 pages forward/backward.	
10 Pages Down	— Moves to pages forward/backward.	
Return	Returns to the higher-level list.	
Now Playing	Moves to the playback screen.	
Screen Off	Closes the screen display and shows the background. Press one of the menu operation keys to redisplay it.	



# Playback screen



### Status indicators

Display the current repeat/shuffle settings (p.67) and playback status (such as play/pause)

### Playback information

Displays the artist name, album name, song title, and elapsed time. Use the cursor keys to select scrollable information.

### Operation menu

Use the cursor keys to select an item and press ENTER to confirm the

To close the submenu, press RETURN.

Submenu	Function
-	Resumes playback from pause.
-	Stops playback.
	Stops playback temporarily.
<b>144</b>	– Skips forward/backward.
<b>&gt;&gt;</b>	
	Moves to the browse screen.
	Closes the screen display and shows the background. Press one of the menu operation keys to redisplay it.
	Submenu  III III III IIII IIII IIII IIII III



- You can also use the external device operation keys (►, ■, ■, III, III, IIII) on the remote control to control playback.
- · You can also use a DLNA-compatible Digital Media Controller (DMC) to control playback. For details, see "DMC Control" (p.83).

# Repeat/shuffle settings

You can configure the repeat/shuffle settings for the playback of PC music content.

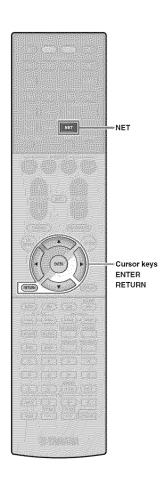
- When "SERVER" is selected as the input source, press OPTION.
- Use the cursor keys to select "Shuffle" (Shuffle) or "Repeat" (Repeat) and press ENTER.



- To return to the previous screen during menu operations, press RETURN.
- · Text in parentheses denotes indicators on the front display.
- Use the cursor keys  $(\triangleleft/\triangleright)$  to select a setting.

ltem	Setting	Function
Shuffle (Shuffle)	Off (Off)	Turns off the shuffle function.
	On (On)	Plays back songs in the current album (folder) in random order. "X;" appears on the TV screen.
Repeat (Repeat)	Off (Off)	Turns off the repeat function.
	One (One)	Plays back the current song repeatedly. "" appears on the TV screen.
	All (All)	Plays back all songs in the current album (folder) repeatedly. "  " appears on the TV screen.

To exit from the menu, press OPTION.



# Listening to Internet radio

You can listen to Internet radio stations from all over the world. You can control the Internet radio with the menu displayed on the TV screen.



- To use this function, the unit must be connected to the Internet (p.32). You can check whether the network parameters (such as the IP address) are properly assigned to the unit in "Network" (p.104) in the "Information" menu.
- · This service may be discontinued without notice.
- · You may not be able to receive some Internet radio stations.
- . The unit uses the vTuner Internet radio station database service.

Press NET repeatedly to select "NET RADIO" as the input source.

The browse screen is displayed on the TV.



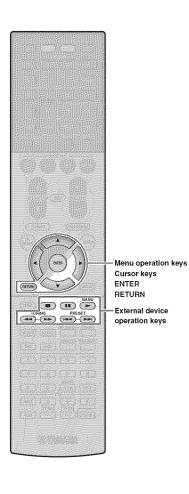
Use the cursor keys to select an item and press ENTER.

If an Internet radio station is selected, playback starts and the playback screen is displayed.





• To return to the previous screen, press RETURN.



### Browse screen



- Playback indicator
- List name
- Contents list

Displays the list of Internet radio content. Use the cursor keys to select an item and press ENTER to confirm the selection.

- Item number/total
- Operation menu

Use the cursor keys to select an item and press ENTER to confirm the selection.

Menu	Function	
1 Page Up	Mayor to the many investorate pages of the list	
1 Page Down	— Moves to the previous/next page of the list.	
10 Pages Up	May see 40 is a size familiard/leadoused	
10 Pages Down	— Moves 10 pages forward/backward.	
Return	Returns to the higher-level list.	
Now Playing	Moves to the playback screen.	
Screen Off	Closes the screen display and shows the background. Press one of the menu operation keys to redisplay it.	



You can register your favorite Internet radio stations to the "Bookmarks" folder by
accessing the following website with the web browser on your PC. To use this
feature, you need the unit's vTuner ID and your e-mail address in order to create
your personal account. You can find the vTunerID (MAC address of the unit) in
"Network" (p.104) in the "Information" menu.
http://yradio.vtuner.com/

# Playback screen



- Playback indicator
- Playback information Displays the station name, album name, song title, and elapsed time.
- Operation menu

Use the cursor keys to select an item and press ENTER to confirm the selection.

To close the submenu, press RETURN.

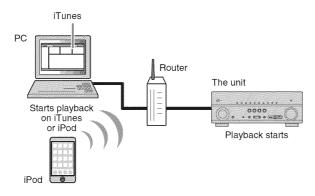
	menu Function
Play Control	Stops playback.
Browse	Moves to the browse screen.
Screen Off	Closes the screen display and shows the background. Press one of the menu operation keys to redisplay it.



- You can also use the external device operation keys (►, ■) on the remote control to control playback.
- · Some information may not be available depending on the station.

# Playing back iTunes/iPod music via a network (AirPlay)

The AirPlay function allows you to play back iTunes/iPod music on the unit via network.





. To use this function, the unit and your PC or iPod must be connected to the same router (p.32). You can check whether the network parameters (such as the IP address) are properly assigned to the unit in "Network" (p.104) in the "Information" menu.

Supported iTunes/iPods (as of January 2012)

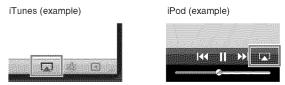
- iTunes 10.2.2 or later (Windows/Mac)
- . iPod touch, iPhone or iPad with iOS 4.3.3 or later

# Playback of iTunes/iPod music contents

Follow the procedure below to play back iTunes/iPod music contents on the unit.

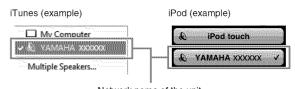
Turn on the unit, and start iTunes on the PC or display the playback screen on the iPod.

If the iTunes/iPod recognizes the unit, the AirPlay icon ( appears.





- If the icon does not appear, check whether the unit and PC/iPod are connected to the router properly.
- On the iTunes/iPod, click (tap) the AirPlay icon and select the unit (network name of the unit) as the audio output device.

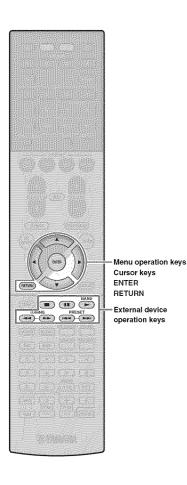


Network name of the unit

Select a song and start playback.

The unit automatically selects "AirPlay" as the input source and starts playback.

The playback screen is displayed on the TV.





. The playback screen is available only when your TV is connected to the unit via HDMI.



- · You can turn on the unit automatically when starting playback on iTunes or iPod by setting "Network Standby" (p.98) in the "Setup" menu to "On".
- · You can edit the network name (the unit's name on the network) displayed on iTunes/iPod in "Network Name" (p.99) in the "Setup" menu.
- If you select the other input source on the unit during playback, playback on the iTunes/iPod stops automatically.
- To adjust the unit's volume from the iTunes/iPod, set "Volume Interlock" (p.83) in the "Input" menu to "Limited" (default) or "Full".

### Caution

· When you use iTunes/iPod controls to adjust volume, the volume may be unexpectedly loud. This could result in damage to the unit or speakers. If the volume suddenly increases during playback, stop playback on the iTunes/iPod immediately.

# Playback screen



Playback indicator

### Playback information

Displays the artist name, album name, song title, and elapsed/remaining time.

### Operation menu

Use the cursor keys to select an item and press ENTER to confirm the

To close the submenu, press RETURN.

Menu	Submenu	Function
Play Control		Resumes playback from pause.
		Stops playback temporarily.
	144	— Skips forward/backward.
	<b>►►</b>	
Screen Off		Closes the screen display and shows the background. Press one of the menu operation keys to redisplay it.

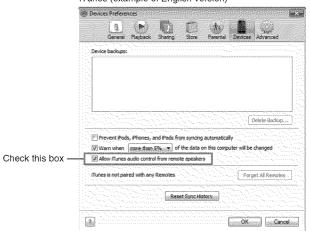


 You can also use the external device operation keys (►, ■, ■, ►, ►) on the remote control to control playback.



. To control iTunes playback with the remote control of the unit, you need to configure the iTunes preferences to enable iTunes control from remote speakers in advance.

### iTunes (example of English version)



# Playing back music in multiple rooms (multi-zone)

The multi-zone function allows you to play back different input sources in the room where the unit is installed (main zone) and in another room (Zone2).

For example, while you are watching TV in the living room (main zone), another person can listen to radio in the study room (Zone2).





Study room (Zone2)

Living room (main zone)



- Analog audio sources (including FM/AM radio), and USB and network sources can be output to Zone2. To listen to the playback of an external device in Zone2, you need to connect the device to the AUDIO jacks (AV 5–6 or AUDIO 1–2 jacks) of the unit.
- (RX-V773 only)
   The party mode (p.76) allows you to play back the same audio output in main zone as Zone2, whatever the input audio signal type.

# **Preparing Zone2**

Connect the device that will be used in Zone2 to the unit. The connection method varies depending on the amplifier being used (the unit or an external amplifier).

### Caution

- Remove the unit's power cable from the AC wall outlet before connecting speakers or an external amplifier.
- Ensure that the core wires of the speaker cable do not touch one another or come into contact with the unit's metal parts. Doing so may damage the unit or the speakers. If the speaker cables short circuit, "Check SP Wires" will appear on the front display when the unit is turned on.

# Using the unit's internal amplifier

Connect the speakers placed in Zone2 to the unit with speaker cables.

To utilize the EXTRA SP terminals for Zone2 speakers, set "Power Amp Assign" (p.91) in the "Setup" menu to "7ch +1ZONE" after connecting the power cable to an AC wall outlet.

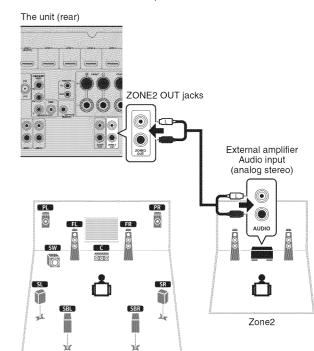
# The unit (rear)



 When Zone2 output is enabled (p.75), the surround back speakers in the main zone do not output sound.

# Using an external amplifier

Connect the external amplifier (with volume control) placed in Zone2 to the unit with a stereo pin cable.



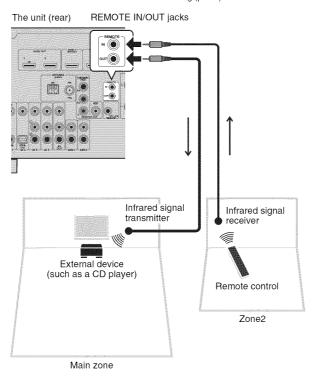
Main zone

# Operating the unit from Zone2 (remote connection)

You can operate the unit and external devices from Zone2 using the supplied remote control if you connect an infrared signal receiver/emitter to the unit's REMOTE IN/OUT jacks.

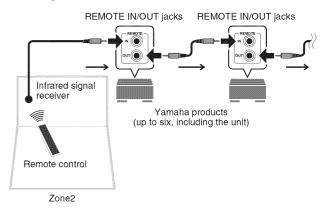


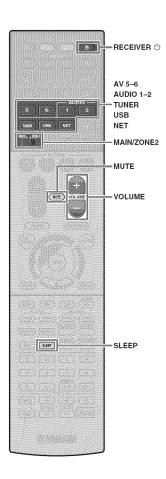
 To operate external devices with the supplied remote control, you must register a remote control code for each device before using (p.108).



### Remote connections between Yamaha products

An infrared signal transmitter is not required if you are using Yamaha products that support remote connections, as the unit does. You can transmit remote control signals by connecting the REMOTE IN/OUT jacks with monaural mini-jack cables and an infrared signal receiver.





# **Controlling Zone2**

Set MAIN/ZONE2 to "ZONE2".

Press RECEIVER ().

Each time you press the key, Zone2 output is enabled or disabled.

When Zone2 output is enabled, "ZONE2" lights up in the front display.

Use the following keys to select an input source.

AV 5-6: AV 5-6 (AUDIO) jacks AUDIO 1-2: AUDIO 1-2 jacks

TUNER: FM/AM radio

**USB:** USB jack (on the front panel)

**NET:** NETWORK jack (press repeatedly to select a desired

network source)

PHONO: PHONO jacks (RX-V773 only [except for U.S.A.

and Canada models])



 You cannot select USB and network sources exclusively for each zone. For example, if you select "SERVER" for Zone2 when "USB" is selected for the main zone, the input source for the main zone also switches to "SERVER".

# Start playback on the external device or select a radio station.

Refer to the instruction manual for the external device.

For details on the following operations, see the corresponding pages.

- Listening to FM/AM radio (p.53)
- Playing back iPod music (p.58)
- Playing back music stored on a USB storage device (p.62)
- Playing back music stored on media servers (PCs/NAS) (p.65)
- Listening to Internet radio (p.68)
- Playing back iTunes/iPod music via a network (AirPlay) (p.70)



• The on-screen operations are not available for Zone2. Use the front display to control Zone2.



- To set the sleep timer (120 min, 90 min, 60 min, 30 min, off), press SLEEP repeatedly. The Zone2 output will be disabled after a specified period of
- . To adjust the Zone2 volume, press VOLUME or MUTE (when using the unit's internal amplifier). When using an external amplifier, use the volume

### Caution

To avoid unexpected noise, never play back DTS-CDs in Zone2.



# **Enjoying the same source in multiple** rooms (party mode)

(RX-V773 only)

The party mode allows you to play back in Zone2 the same music that is being played back in the main zone. During the party mode, stereo playback is automatically selected for all zones. Utilize this function when you want to use main zone music as background music for a house party.

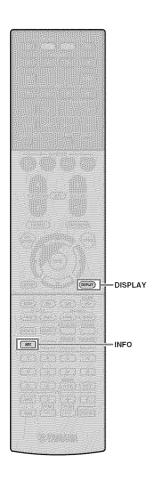
### Press PARTY.

Each time you press the key, the party mode is turned on or

When the party mode is turned on, "PARTY" lights up in the front display.



• If the party mode does not work on Zone2, set "Party Mode Set" (p.100) in the "Setup" menu to "Enable" (default).



# Viewing the current status

# Switching information on the front display

### Press INFO.

Each time you press the key, the displayed item changes.



About 3 seconds later, the corresponding information for the displayed item appears.





· Available items vary depending on the selected input source. The displayed item can also be applied separately to each input source group.

Input source group	Item
HDMI 1–5 V-AUX AV 1–6 AUDIO 1–2	Input (input source name), DSP Program (sound mode name), Audio Decoder (decoder name)
TUNER	Frequency (frequency), DSP Program (sound mode name), Audio Decoder (decoder name) * (U.K. and Europe models only) Radio Data System data is also available when the unit is tuned into a Radio Data System broadcasting station (p.55)
USB SERVER AirPlay	Song (song title), Artist (artist name), Album (album name), DSP Program (sound mode name), Audio Decoder (decoder name)  * During simple playback of iPod: Input (input source name), DSP Program (sound mode name), Audio Decoder (decoder name)

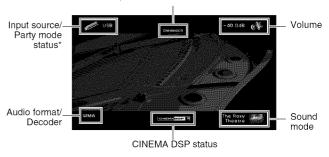
	ltem
NET RADIO	Song (song title), Album (album name), Station (station name), DSP Program (sound mode name), Audio Decoder (decoder name)
PHONO	(RX-V773 only [except for U.S.A. and Canada models]) Input (input source name), DSP Program (sound mode name), Audio Decoder (decoder name)

# Viewing the status information on the TV

### Press DISPLAY.

The following information is displayed on the TV.

Compressed Music Enhancer status



\* RX-V773 only

# To close the information display, press DISPLAY.

# Configuring playback settings for different playback sources (Option menu)

You can configure separate playback settings for different playback sources. This menu is available on the front panel (or on the TV screen), allowing you to easily configure settings during playback.

Press OPTION.



Front display



TV screen

Use the cursor keys to select an item and press ENTER.



- To return to the previous screen during menu operations, press RETURN.
- ${f 3}$  Use the cursor keys ( ${ riangle}/{ riangle}$ ) to select a setting.
- 4 To exit from the menu, press OPTION.

# **Option menu items**



- · Available items vary depending on the selected input source.
- · Text in parentheses denotes indicators on the front display.

Item		Function	Page
Tone Control (Tone Control)		Adjusts the high-frequency range and low-frequency range of sounds.	79
Adaptive DRC (Adaptive DRC)		Sets whether the dynamic range (from maximum to minimum) is automatically adjusted when the volume is adjusted.	79
CINEMA DSP 3D (CINEMA DSP 3D		Enables/disables CINEMA DSP 3D.	79
Dialoque Adjust	Dialogue Level (Dialog LvI)	Adjusts the volume of dialogue sounds.	79
(Dialog Adjust)	Dialogue Lift (Dialog Lift)	Adjusts the perceived height of dialogue sounds.	79
Extended Surround (EXTD Surround)		Selects how to play back 5.1- to 7.1-channel sources when surround back speakers are used.	80
Volume Trim (Volume Trim)	Input Trim (In.Trim)	Corrects volume differences between input sources.	80
	Subwoofer Trim (SW.Trim)	Fine-adjusts the subwoofer volume.	80
Enhancer (Enhancer)		Enables/disables Compressed Music Enhancer.	80
Video Mode (Video Mode)		Enables/disables the video signal processing settings configured in the "Setup" menu.	80
FM Mode (FM Mode)		Switches between stereo and monaural for FM radio reception.	80
Traffic Program (TrafficProgram)		(U.K. and Europe models only) Automatically searches for a traffic information station.	55
Repeat (Repeat)		Configures the repeat setting for the iPod (p.61), USB storage device (p.64), or media server (p.67).	_
Shuffle (Shuffle)		Configures the shuffle setting for the iPod (p.61), USB storage device (p.64), or media server (p.67).	_

# **■ Tone Control (Tone Control)**

Adjusts the high-frequency range (Treble) and low-frequency range (Bass) of sounds.

### Choices

Treble (Treble), Bass (Bass)

### Setting range

-6.0 dB to Bypass (Bypass) to +6.0 dB, \*0.5 dB increments

### Default

Bypass (Bypass)



• If you set an extreme value, sounds may not match those from other channels.

### Adjusting with the front panel controls

- (1) Press TONE CONTROL to select "Treble" or "Bass".
- 2 Press PROGRAM to make an adjustment.

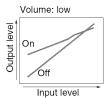
# Adaptive DRC (Adaptive DRC)

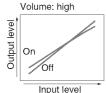
Sets whether the dynamic range (from maximum to minimum) is automatically adjusted when the volume level is adjusted. When it is set to "On", it is useful for listening to playback at a low volume at night.

### Settings

On (On)	Automatically adjusts the dynamic range.
Off (Off) (default)	The dynamic range is not automatically adjusted.

If "On" is selected, the dynamic range becomes narrow at a low volume and wide at a high volume.





### CINEMA DSP 3D Mode (CINEMA DSP 3D)

Enables/disables CINEMA DSP 3D (p.50). If this function is set to "On", CINEMA DSP 3D functions with the selected sound programs (except 2ch Stereo and 7ch Stereo).

### Settings

On (On) (default)	Enables CINEMA DSP 3D.
Off (Off)	Disables CINEMA DSP 3D.

# ■ Dialogue Adjust (Dialog Adjust)

Adjusts the volume or perceive height of dialogue sounds.

### ☐ Dialogue Level (Dialog Lvl)

Adjusts the volume of dialogue sounds. If dialogue sounds cannot be heard clearly, you can turn up its volume by increasing this setting.

### Setting range

0 to 3

### Default

Ω

# ☐ Dialogue Lift (Dialog Lift)

Adjusts the perceived height of dialogue sounds. If the dialogue sounds as if it is coming from below the TV screen, you can raise its perceived height by increasing this setting.



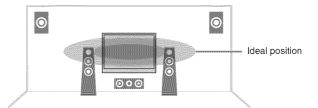
- . This setting is available only when one of the following conditions is met.
- One of the sound programs (except for 2ch Stereo and 7ch Stereo) is selected when presence speakers are used.
- Virtual Presence Speaker (VPS) (p.50) is working.

### Setting range

0 to 5 (The bigger the value the higher the position)

### Default

0



# Extended Surround (EXTD Surround)

Selects how to play back 5.1- to 7.1-channel sources when surround back speakers are used.

### Settings

Auto (Auto) (default)	Automatically selects the most suitable decoder if signals that contain surround back channel signals are input, and reproduces the signals in 6.1- or 7.1-channel. If two surround back speakers are connected, the unit reproduces the 5.1-channel signals in 7.1-channel.
■PLIIx Movie (■PLIIxMo)	Always reproduces signals in 7.1-channel using the Dolby Pro Logic IIx Movie decoder. This setting is available only when two surround back speakers are connected.
■PLIIx Music (■PLIIxMu)	Always reproduces signals in 6.1- or 7.1-channel using the Dolby Pro Logic IIx Music decoder. This setting is available only when one or two surround back speakers are connected.
EX/ES (EX/ES)	Automatically selects the Dolby EX or DTS-ES decoder, and reproduces signals in 6.1- or 7.1-channel.
Off (Off)	Always reproduces signals in their original channels. (Even when DTS-ES or Dolby Digital EX signal is input, the unit reproduces the signal in 5.1-channel.)



 Some Dolby Digital EX or DTS-ES sources do not contain a flag for reproducing surround back channel. In this case, the unit reproduces the signals in 5.1-channel if "Extended Surround" is set to "Auto". To reproduce the signals in 6.1 or 7.1-channel, set it to "XIPLIIx Movie", "XIPLIIx Music", or "EX/ES".

# Volume Trim (Volume Trim)

Fine-adjusts volume difference between input sources or subwoofer volume.

### ☐ Input Trim (In.Trim)

Corrects volume differences between input sources. If you are bothered by volume differences when switching between input sources, use this function to correct it.



. This setting is applied separately to each input source.

### Setting range

-6.0 dB to +6.0 dB (0.5 dB increments)

### Default

0.0 dB

### ☐ Subwoofer Trim (SW.Trim)

Fine-adjusts the subwoofer volume.

### Setting range

-6.0 dB to +6.0 dB (0.5 dB increments)

### Default

0.0 dB

# Enhancer (Enhancer)

Enables/disables Compressed Music Enhancer (p.52).



- . This setting is applied separately to each input source.
- You can also use ENHANCER on the remote control to enable/disable Compressed Music Enhancer (p.52).

### Settings

Off (Off)	Disables Compressed Music Enhancer.
On (On)	Enables Compressed Music Enhancer.

### Default

TUNER, USB, (network sources): On (On) Others: Off (Off)

# Video Mode (Video Mode)

Enables/disables the video signal processing (resolution and aspect ratio) settings configured in "Processing" (p.95) in the "Setup" menu.

### Settings

Processing (Processing)	Enables the video signal processing.
Direct (Direct) (default)	Disables the video signal processing.

# FM Mode (FM Mode)

Switches between stereo and monaural for FM radio reception.

### Settings

Stereo (Stereo) (default)	Receives FM radio in stereo sounds.
Mono (Mono)	Receives FM radio in monaural sounds.