



AV Receiver

RX-V775
RX-V675

Owner's Manual

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

English

CONTENTS

Accessories	5
--------------------------	----------

FEATURES **6**

What you can do with the unit	6
--	----------

Part names and functions	8
---------------------------------------	----------

Front panel (RX-V775)	8
Front panel (RX-V675)	9
Front display (indicators)	10
Rear panel (RX-V775)	11
Rear panel (RX-V675)	12
Remote control	13

PREPARATIONS **14**

General setup procedure	14
--------------------------------------	-----------

1 Placing speakers	15
---------------------------------	-----------

2 Connecting speakers	19
------------------------------------	-----------

Connecting front speakers that support bi-amp connections	21
---	----

Input/output jacks and cables	22
--	-----------

3 Connecting a TV	23
--------------------------------	-----------

4 Connecting playback devices	28
--	-----------

Connecting video devices (such as BD/DVD players)	28
Connecting audio devices (such as CD players)	31
Connecting to the jacks on the front panel	31

5 Connecting the FM/AM antennas	32
--	-----------

6 Connecting to a network	33
--	-----------

7 Connecting other devices	34
---	-----------

Connecting an external power amplifier	34
Connecting recording devices	34
Connecting a device compatible with the trigger function	35

8 Connecting the power cable	35
---	-----------

9 Selecting an on-screen menu language	36
---	-----------

10 Optimizing the speaker settings automatically (YPAO)	37
--	-----------

Measuring at one listening position (single measure)	39
Measuring at multiple listening positions (multi measure) (RX-V775 only)	40
Checking the measurement results	41
Reloading the previous YPAO adjustments	42
Error messages	43
Warning messages	44

PLAYBACK **45**

Basic playback procedure	45
---------------------------------------	-----------

Selecting an HDMI output jack (RX-V775 only)	45
--	----

Selecting the input source and favorite settings with one touch (SCENE)	46
--	-----------

Configuring scene assignments	46
-------------------------------------	----

Selecting the sound mode	47
---------------------------------------	-----------

Enjoying stereoscopic sound fields (CINEMA DSP 3D)	48
Enjoying surround sound with headphones (SILENT CINEMA)	48
Enjoying unprocessed playback	51
Enjoying pure high fidelity sound (Pure Direct)	52
Enjoying compressed music with enhanced sound (Compressed Music Enhancer)	52

Listening to FM/AM radio	53
---------------------------------------	-----------

Setting the frequency steps	53
Selecting a frequency for reception	53
Registering favorite radio stations (presets)	54

Radio Data System tuning	55
Operating the radio on the TV	56
Playing back iPod music	58
Connecting an iPod	58
Playback of iPod content	59
Playing back music stored on a USB storage device	62
Connecting a USB storage device	62
Playback of USB storage device contents	62
Playing back music stored on media servers (PCs/NAS)	65
Media sharing setup	65
Playback of PC music contents	65
Listening to Internet radio	68
Playing back iTunes/iPod music via a network (AirPlay)	70
Playback of iTunes/iPod music contents	70
Playing back music in multiple rooms (multi-zone)	72
Preparing Zone2	72
Controlling Zone2	75
Viewing the current status	77
Switching information on the front display	77
Viewing the status information on the TV	77
Configuring playback settings for different playback sources	
(Option menu)	78
Option menu items	78

CONFIGURATIONS 81

Configuring input sources (Input menu)	81
Input menu items	81
Configuring the SCENE function (Scene menu)	83
Scene menu items	84
Configuring sound programs/surround decoders	
(Sound Program menu)	85

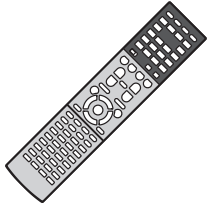
Sound Program menu items	86
Configuring various functions (Setup menu)	88
Setup menu items	89
Speaker (Manual Setup)	91
Sound	94
Video	95
HDMI	96
Network	98
Multi Zone	99
Function	100
ECO	102
Language	103
Viewing information about the unit (Information menu)	103
Types of information	104
Configuring the system settings (ADVANCED SETUP menu)	105
ADVANCED SETUP menu items	105
Changing the speaker impedance setting (SP IMP.)	105
Selecting the remote control ID (REMOTE ID)	105
Changing the FM/AM tuning frequency setting (TU)	106
Switching the video signal type (TV FORMAT)	106
Removing the limitation on HDMI video output (MON.CHK)	106
Restoring the default settings (INIT)	106
Updating the firmware (UPDATE)	107
Checking the firmware version (VERSION)	107
Controlling external devices with the remote control	108
Registering the remote control code for a TV	108
Registering the remote control codes for playback devices	109
Programming from other remote controls (learning)	110
Clearing functions learned from other remote controls	111
Resetting remote control codes	112
Updating the unit's firmware via the network	113

Frequently asked questions	114
Troubleshooting	115
Power, system and remote control	115
Audio	117
Video	118
FM/AM radio	119
USB and network	120
Error indications on the front display	121
Ideal speaker layout	122
Glossary	123
Audio information	123
HDMI and video information	124
Yamaha technologies	125
Video signal flow	126
Information on HDMI	127
HDMI Control	127
HDMI signal compatibility	128
Trademarks	129
Specifications	130
Index	134

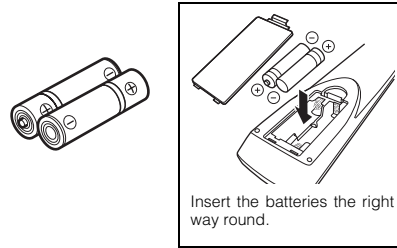
Accessories

Check that the following accessories are supplied with the product.

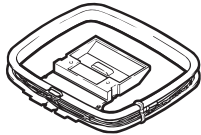
Remote control



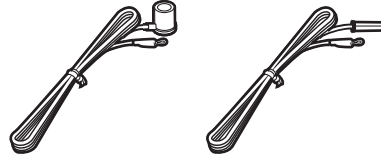
Batteries (AAA, R03, UM-4) (x2)



AM antenna

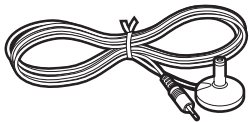


FM antenna



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

YPAO microphone



CD-ROM (Owner's Manual)



Easy Setup Guide

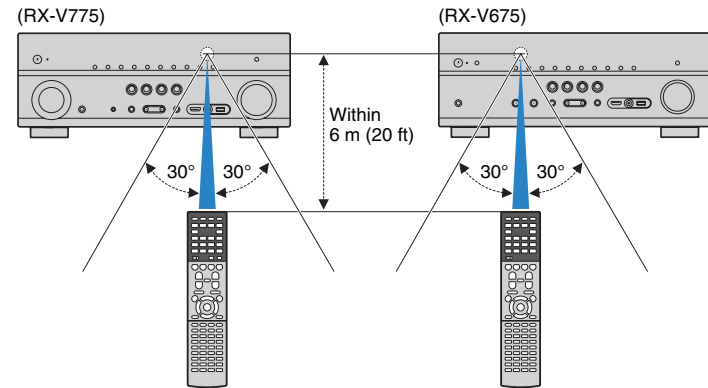


Safety Brochure



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-V775 (U.S.A. model), unless otherwise specified.

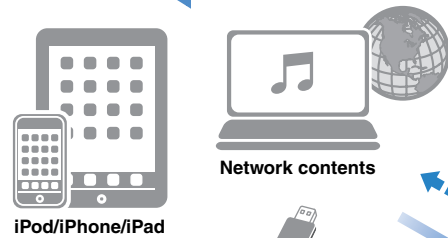
- Some features are not available in certain regions.
- Due to product improvements, specifications and appearance are subject to change without notice.
- This manual explains operations using the supplied remote control.
- This manual describes all the "iPod", "iPhone" and "iPad" as the "iPod". "iPod" 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

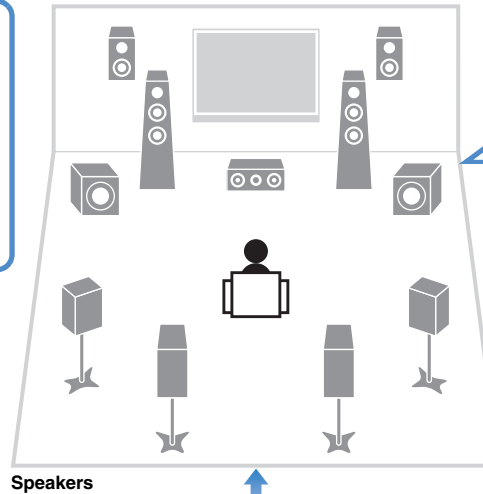
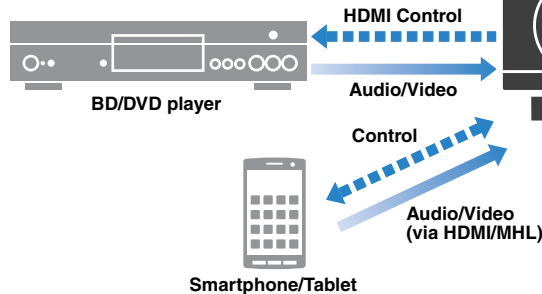
What you can do with the unit

Wide variety of supported content

- iPod/iPhone/iPad ➔ p.58
- USB ➔ p.62
- Media server (PC/NAS) ➔ p.65
- Internet radio ➔ p.68
- AirPlay ➔ p.70

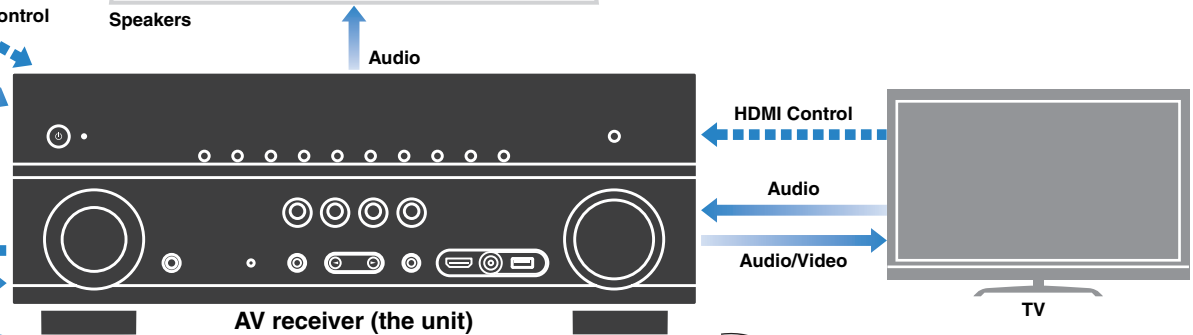


3D and 4K signals supported



Supports 2- to 7.1-channel (plus presence) speaker system. Allows you to enjoy your favorite acoustic spaces in various styles.

- Automatically optimizing the speaker settings to suit your room (YPAO) ➔ p.37
- Reproducing stereo or multichannel sounds with the sound fields like actual movie theaters and concert halls (CINEMA DSP) ➔ p.48
- Enjoying compressed music with enhanced sound (Compressed Music Enhancer) ➔ p.52
- Playing back music in multiple rooms (multi-zone) ➔ p.72



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

➔ p.46

Sequential operation of a TV, AV receiver, and BD/DVD player (HDMI Control)

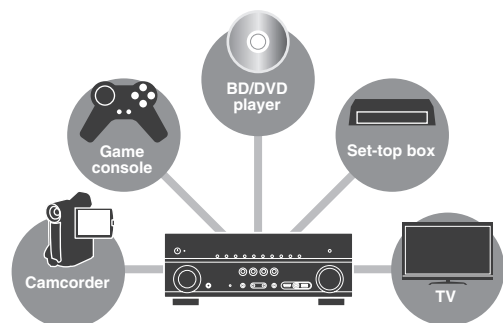
➔ p.127



Full of useful functions!

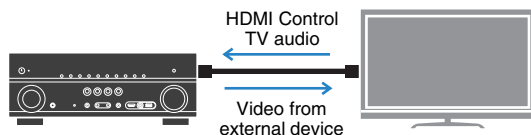
❑ Connecting various devices (p.28)

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.

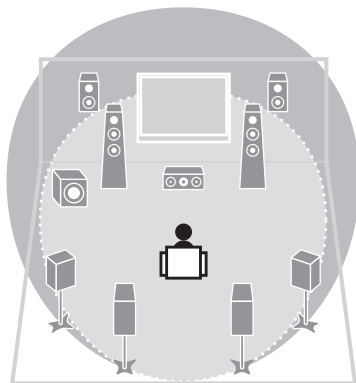


❑ Easy operation and wireless music playback from iPhone or Android device

By using the application for smartphone/tablet "AV CONTROLLER", you can control the unit from an iPhone, iPad, iPod touch or Android devices. Visit our website for details.

❑ 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.52)

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 use the supplied remote control to operate external devices...

Register the remote control codes of the external devices (such as a TV and BD/DVD players) (p.108).

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, Italian and Chinese (p.36).

I want to update the firmware...

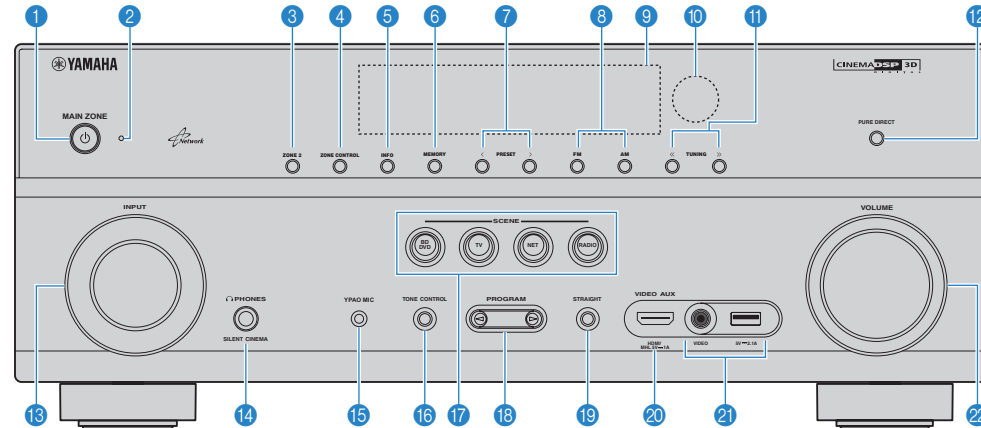
Use "UPDATE" in the "ADVANCED SETUP" menu to update the unit's firmware (p.107). If the unit is connected to the Internet, a message will be displayed on the TV when a firmware update is available (p.113).


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)

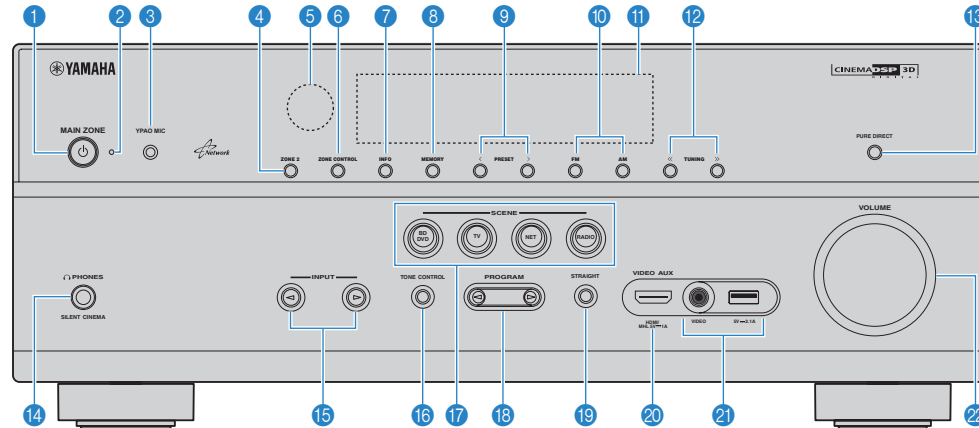
Part names and functions

Front panel (RX-V775)



- 1 MAIN ZONE  key**
Turns on/off (standby) the unit.
- 2 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)
- 3 ZONE 2 key**
Enables/disables the audio output to Zone2 (p.75).
- 4 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).
- 5 INFO key**
Selects the information displayed on the front display (p.77).
- 6 MEMORY key**
Registers FM/AM radio stations as preset stations (p.54).
- 7 PRESET keys**
Select a preset FM/AM radio station (p.54).
- 8 FM and AM keys**
Switch between FM and AM (p.53).
- 9 Front display**
Displays information (p.10).
- 10 Remote control sensor**
Receives remote control signals (p.5).
- 11 TUNING keys**
Select the radio frequency (p.53).
- 12 PURE DIRECT key**
Enables/disables Pure Direct (p.52).
- 13 INPUT knob**
Selects an input source.
- 14 PHONES jack**
For connecting headphones.
- 15 YPAO MIC jack**
For connecting the supplied YPAO microphone (p.37).
- 16 TONE CONTROL key**
Adjusts the high-frequency range and low-frequency range of output sounds (p.79).
- 17 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).
- 18 PROGRAM keys**
Select a sound program or a surround decoder (p.47).
- 19 STRAIGHT key**
Enables/disables the straight decode mode (p.51).
- 20 VIDEO AUX (HDMI/MHL IN) jack**
For connecting a device, such as a camcorder and a game console (p.31) or a smartphone (p.32).
- 21 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).
- 22 VOLUME knob**
Adjusts the volume.

Front panel (RX-V675)



1 MAIN ZONE key

Turns on/off (standby) the unit.

2 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)

3 YPAO MIC jack

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

4 ZONE 2 key

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

5 Remote control sensor

Receives remote control signals (p.5).

6 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).

7 INFO key

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

8 MEMORY key

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

9 PRESET keys

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

10 FM and AM keys

Switch between FM and AM (p.53).

11 Front display

Displays information (p.10).

12 TUNING keys

Select the radio frequency (p.53).

13 PURE DIRECT key

Enables/disables Pure Direct (p.52).

14 PHONES jack

For connecting headphones.

15 INPUT keys

Select an input source.

16 TONE CONTROL key

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

17 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).

18 PROGRAM keys

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

19 STRAIGHT key

Enables/disables the straight decode mode (p.51).

20 VIDEO AUX (HDMI/MHL IN) jack

For connecting a device, such as a camcorder and a game console (p.31) or a smartphone (p.32).

21 USB jack

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

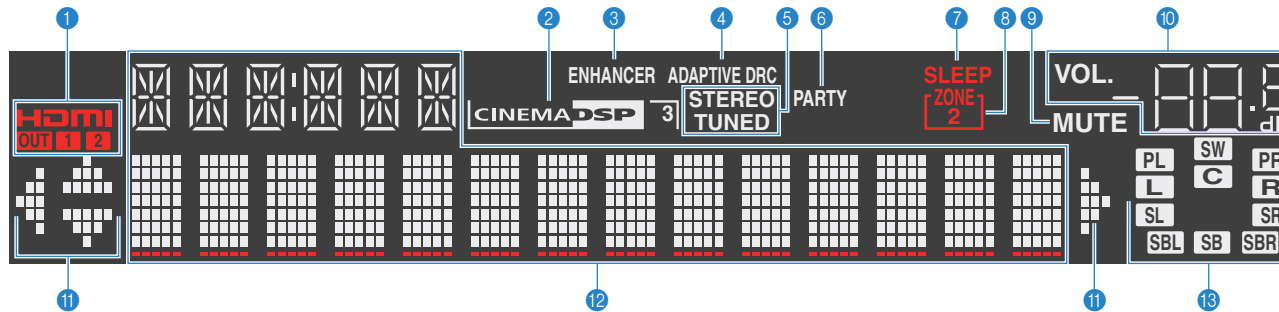
VIDEO jack

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

22 VOLUME knob

Adjusts the volume.

Front display (indicators)



1 HDMI

Lights up when HDMI signals are being input or output.

OUT1/OUT2 (RX-V775 only)

Indicates the HDMI OUT jacks currently outputting an HDMI signal.

OUT (RX-V675 only)

Lights up when HDMI signals are being output.

2 CINEMA DSP

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

CINEMA DSP 3D

Lights up when CINEMA DSP 3D (p.48) is working.

3 ENHANCER

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

4 ADAPTIVE DRC

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

5 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.

6 PARTY (RX-V775 only)

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

7 SLEEP

Lights up when the sleep timer is on.

8 ZONE2

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

9 MUTE

Blinks when audio is muted.

10 Volume indicator

Indicates the current volume.

11 Cursor indicators

Indicate the remote control cursor keys currently operational.

12 Information display

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

13 Speaker indicators

Indicate speaker terminals from which signals are output.

L 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