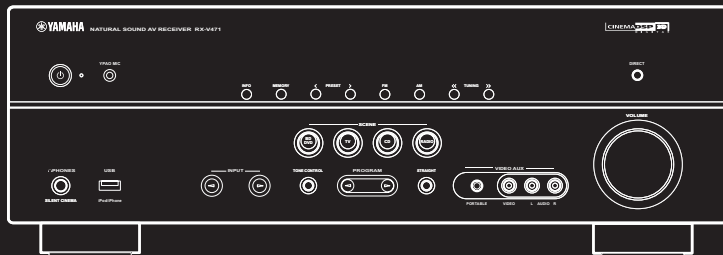


## AV Receiver

# RX-V471

## Easy Setup Guide



The Easy Setup Guide explains the general procedures for setting up the 5.1-channel system and how to produce surround sounds from BD/DVD. For more details, please refer to the "Owner's Manual" contained in the CD-ROM.

■ About the symbols in this manual.

- "💡" indicates the explanations for better use.
- "⚠" indicates the cautions concerning operations or setup of the unit.

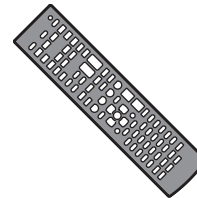
A PDF format of this guide and the "Owner's Manual" can be downloaded from the following website.

<http://download.yamaha.com/>

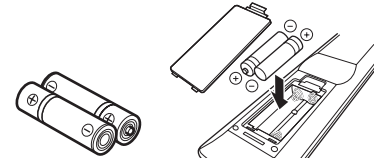
# 1 Preparation

## Accessories

Check that the following accessories are supplied with the unit.



Remote control



Batteries (AAA, R03, UM-4) x 2

Insert the batteries into the battery case in correct directions (+ and -).



AM antenna



FM antenna



VIDEO AUX input cover



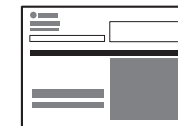
YPAO microphone



CD-ROM  
(Owner's Manual)



Easy Setup Guide  
(this manual)



Safety Brochure

## Preparing cables

Prepare the following cables (not supplied) for connection according to the instructions in this guide.

- Speaker cable (for each speaker)
- Monaural pin cable x 1
- HDMI cable x 2
- Digital optical cable x 1

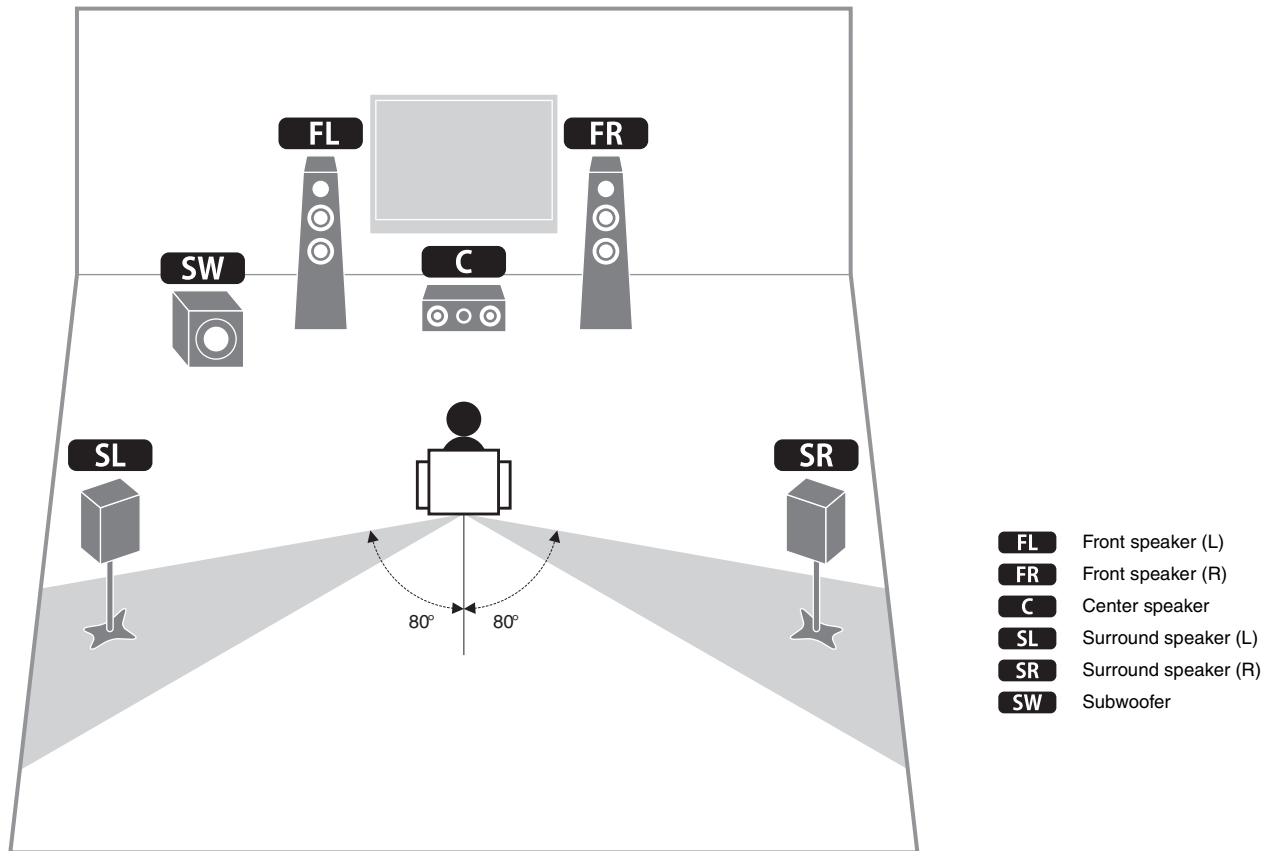


- A digital optical cable is not required when your TV supports the Audio Return Channel (ARC) function.

## 2 Placing speakers

Place the speakers in as shown below. Other layouts (except for 5.1-channel speaker layout) are shown in the "Owner's Manual."

### 5.1-channel system



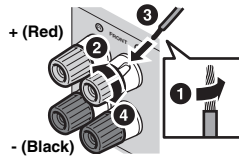
# 3 Connecting speakers

- Use the speakers with an impedance of at least 6Ω
- Use a subwoofer with a built-in amplifier.
- Disconnect the power plug before connecting the speakers.
- Be careful that the core of the speaker cable does not touch anything or come into contact with the metal areas of the unit. If this happens, it may damage the unit or the speakers. If the speaker cables short circuit, "CHECK SP WIRES!" will appear on the front panel display when the unit is switched on.

## 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 color-coded to prevent confusion, you should connect the black side to the negative terminal and the other wire to the positive terminal.

- 1 Remove approximately 10 mm of insulation from the end of the speaker cable and twist the bare wire firmly.



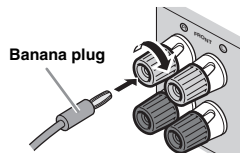
- 2 Loosen the speaker terminal.
- 3 Insert the bare wire into the gap on the side of the terminal.

When it is difficult to insert the wire into the gap on the side, insert it into the gap downside of terminal.

- 4 Tighten the terminal.

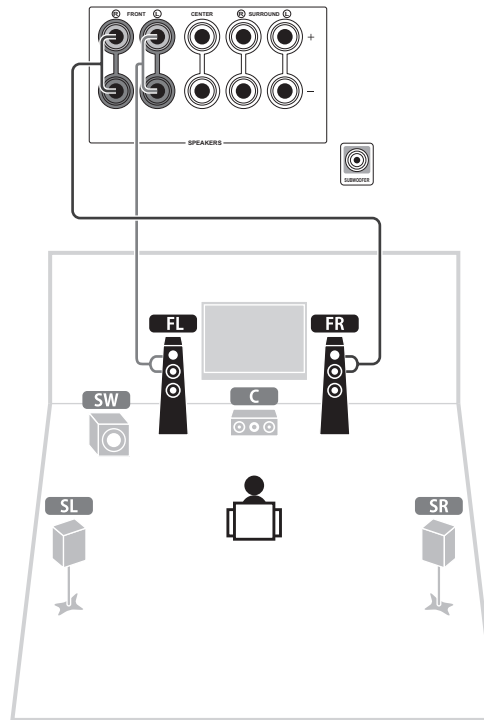
## Connecting banana plugs (Except Asia and Korea models)

Tighten the knob, and then insert the banana plug into the end of the terminal.



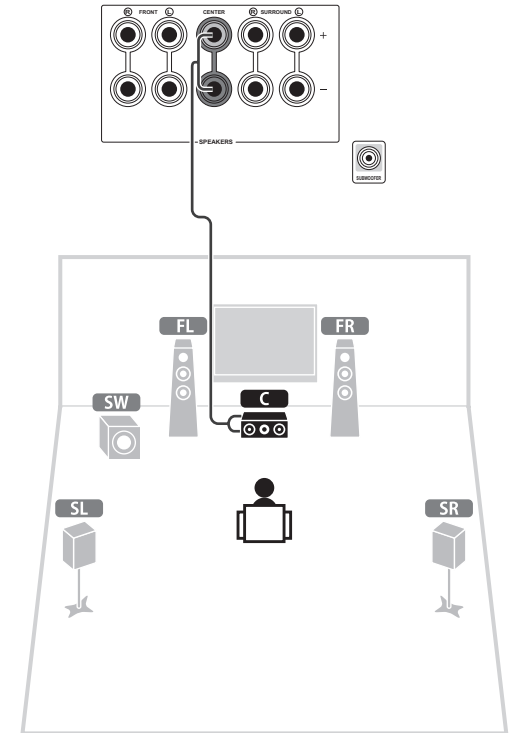
- 1 Connect the front speakers (FL / FR) to the FRONT (L/R) terminals.

The unit (rear)



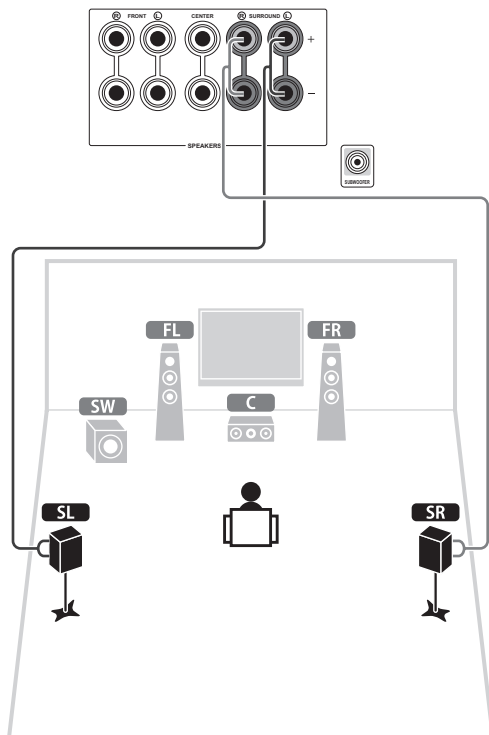
- 2 Connect the center speaker (C) to the CENTER terminal.

The unit (rear)



- 3** Connect the surround speakers ( **SL** / **SR** ) to the SURROUND ( **L** / **R** ) terminals.

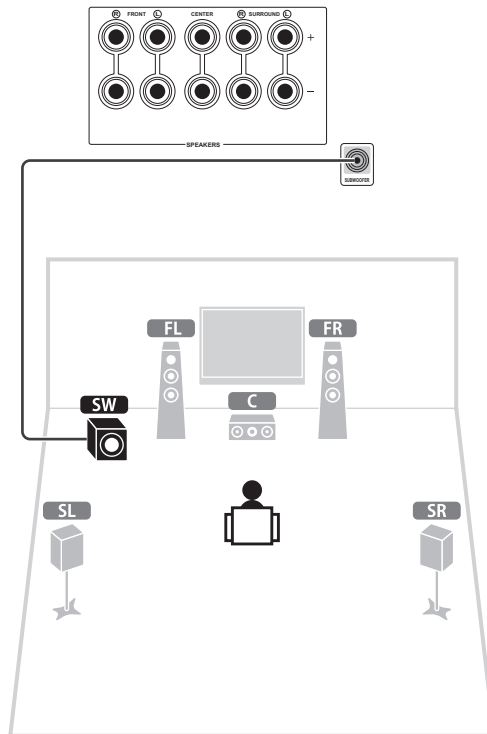
The unit (rear)



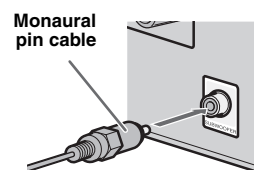
- 4** Connect the subwoofer ( **SW** ) to the SUBWOOFER jack.

Before connecting the subwoofer, turn off the subwoofer.

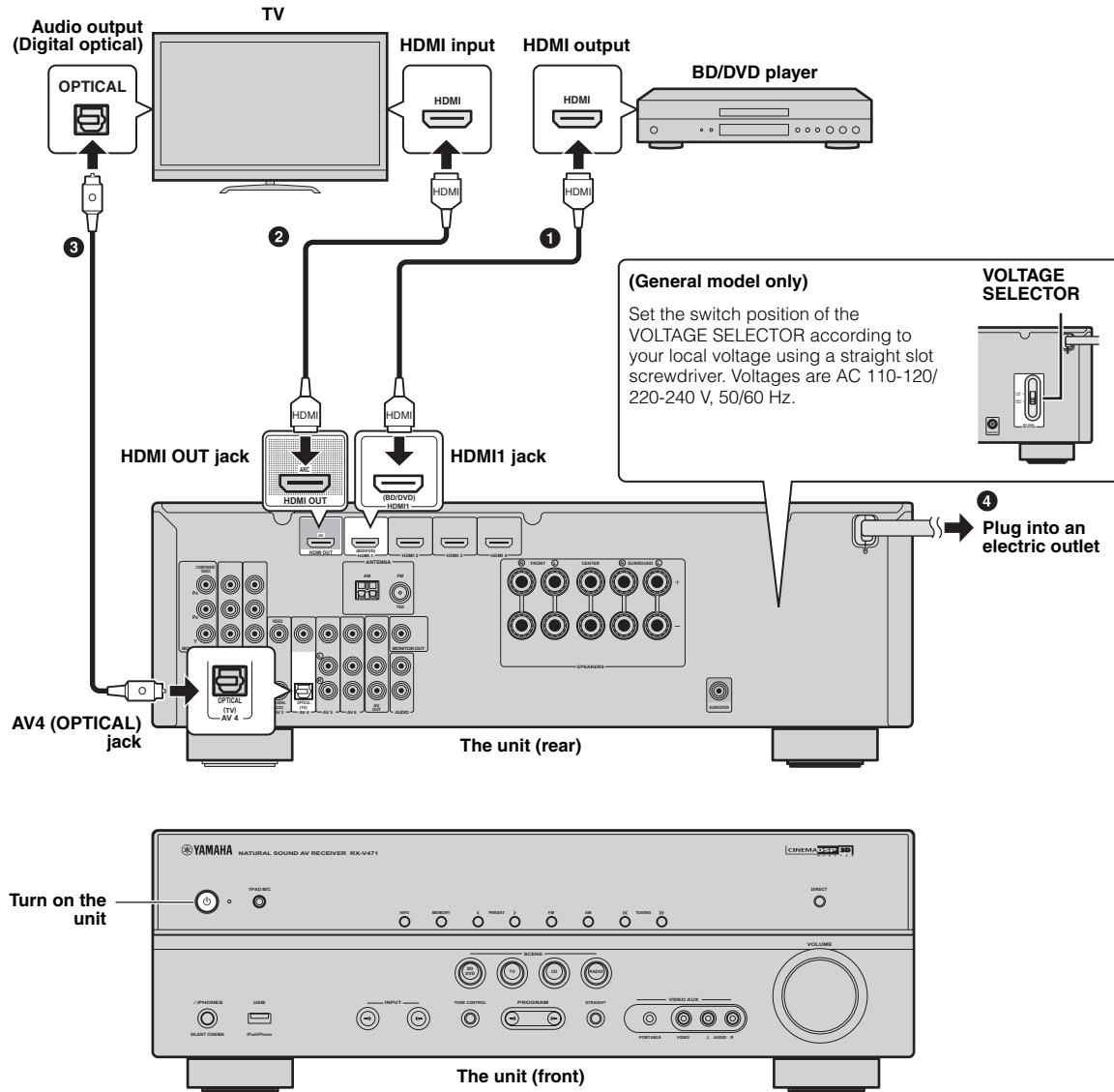
The unit (rear)



Use a monaural pin cable to connect the subwoofer.



## 4 Connecting external devices



### 1 Connect external devices to the unit.

- ① Connect a BD/DVD player to the unit with an HDMI cable.  
If the BD/DVD player are connected to a TV directly with an HDMI cable, disconnect the cable from the TV and connect it to the unit.
- ② Connect the TV to the unit with an HDMI cable.
- ③ Connect the TV to the unit with an optical cable.  
This connection enables the TV audio to be played through the unit. If your TV supports the Audio Return Channel function (ARC), this connection is unnecessary.
- ④ Connect the power cable to an electric outlet.



- **(General model only)** The VOLTAGE SELECTOR on the rear panel of this unit must be set for your local voltage **BEFORE** plugging the power cable into the AC wall outlet. Improper setting of the VOLTAGE SELECTOR may cause damage to this unit and create a potential fire hazard.



- For connecting other devices, such as a radio antenna, refer to "SETUP" in the "Owner's Manual."

### 2 Turn on the TV, BD/DVD player and the unit. 3 Confirm that the video images input from BD/DVD player is displayed on the TV screen.

- ① Change video input source for the TV to the unit.
- ② Press HDMI1 to select "HDMI1" as the input source.  
If the video image input from BD/DVD player is displayed on the TV screen, all settings have been completed.  
Go to the next page, and refer to "Optimizing the speaker settings automatically (YPAO)."

## 5 Optimizing the speaker settings automatically (YPAO)

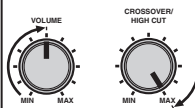
The YPAO microphone (supplied) detects the status of speaker connections and the distance between the speakers and the listening position, and adjusts the volume balance and the tone settings automatically (YPAO: Yamaha Parametric room Acoustic Optimizer).

- The volume level is fixed to 0 dB while measuring.
- The test tone is output at a high volume while measuring. Be careful that the test tone does not frighten any small children.
- The room must be quiet while measuring.
- Do not connect headphones to the unit.
- YPAO measurement does not work correctly if any obstacles are in the room. Move everything out of the room or place it in the corners while measuring. It takes approximately three minutes to finish this measurement.

### Preparation before using YPAO

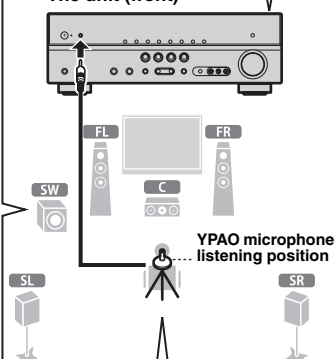
(If necessary) Select the language displayed on the TV screen with "Language" in the "Setup" menu referring to "Owner's Manual" (p.65).

- Turn on the subwoofer and set its volume to approximately half. And, set the cross-over frequency (if available) to maximum.



- When a subwoofer with the automatic standby function (turn off automatically during no signals input) is used, disable the function before going to the next step.

The unit (front)

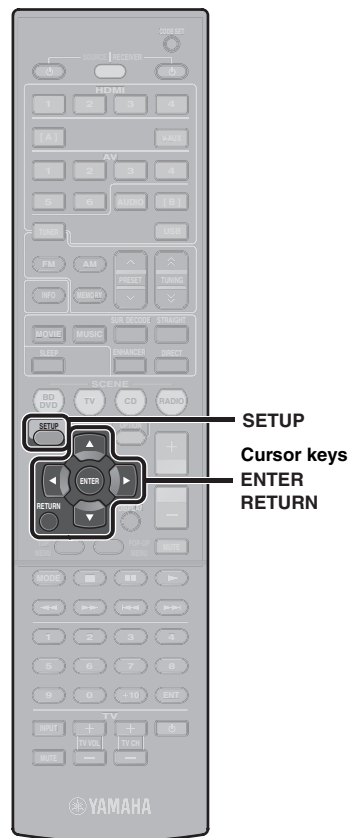


YPAO microphone listening position



The height of your ears

Set the YPAO microphone at the height of your ears. We recommend that you use equipment that allows you to adjust the height (such as a tripod) as a microphone stand. If you are using a tripod, use the tripod screws to fix the microphone in place.



SETUP  
Cursor keys  
ENTER  
RETURN

- 1 Connect YPAO microphone to the YPAO MIC jack on the front panel.

The following image is displayed on the TV screen.



- To cancel the measurement, disconnect the YPAO microphone before measuring starts.

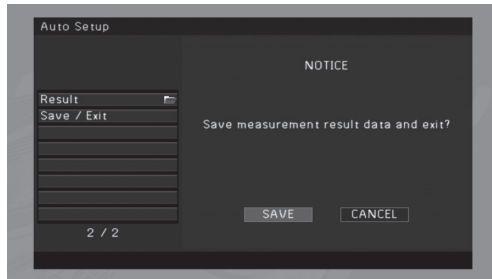
- 2 Confirm that "Start" is selected, and then press SETUP.

The measurement starts in ten seconds. After the measurement is complete, the following image is displayed on the TV screen.

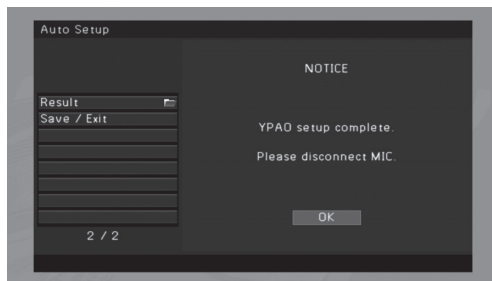


- When "W-1:Out of Phase" appears, refer to "When "W-1: Out of Phase" appears" on the next page.
- If a message such as an error message and warning appears, refer to "Error messages" and "Warning messages" in the "Owner's Manual."

- 3** Confirm that “Save / Exit” is selected, and then press ENTER.



- 4** Confirm that “SAVE” is selected, and then press ENTER.



- 5** Remove the YPAO microphone from the unit.

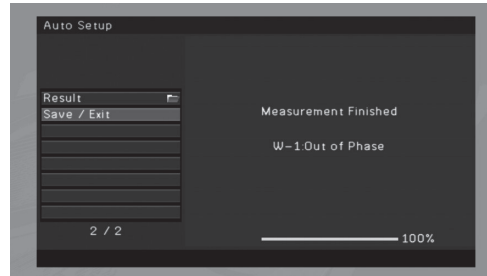
All the settings for the speakers are complete.

- The YPAO microphone is sensitive to heat. Protect the YPAO microphone from high temperatures (such as from AV equipment) and direct sunlight.

### When “W-1: Out of Phase” appears

Use the following procedure to check the speaker connections.

Warning messages may appear depending on the types of speakers or the place where you set them even if they are connected correctly.



- ① Press the cursor key to select “Result,” and then press ENTER.
- ② Confirm that “Wiring” is selected.
- ③ Check the cable connection (+ and -) of the speaker indicated as red-boxed “Reverse.”

#### **If the speakers are connected correctly:**

Save the results of the measurement.

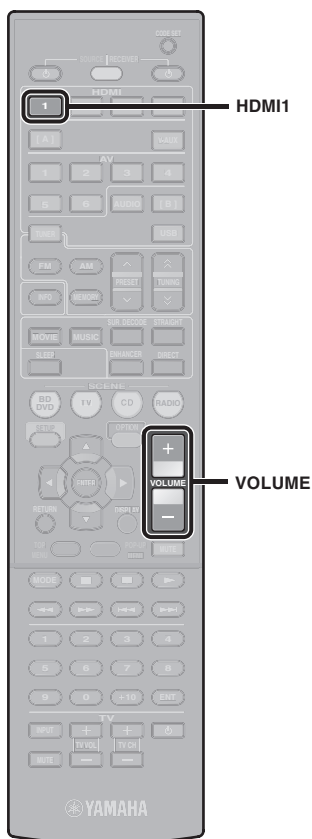
Press RETURN, and go to step 3 on the left column.

#### **If the speakers are connected incorrectly:**

Turn off the unit and connect the speaker cables again, and then try YPAO measurement again.

## 6 Playing back a BD/DVD

Let's play a BD/DVD disc. We recommend playing back a disc recorded with multi-channel sound (up to 5.1-ch) to enjoy the surround sound effects enough.



- 1 Press HDMI1 to select "HDMI1" as the input source.



- 2 Play a BD/DVD with a BD/DVD player.

- 3 Press VOLUME to adjust the volume.



The 5.1-channel system is installed and the procedures to play a BD/DVD are complete.



- "STRAIGHT" is set to the sound program as the initial settings. "STRAIGHT" (straight decoding) is the sound program which output recorded sound from each channel directly from each speaker.

### When no sound is output from surround speakers

#### Sound is only output from front speakers even when playing multi-channel source

Confirm the digital audio output settings of the BD/DVD player.

Signals may be set to normally output on 2 channels (such as PCM).

#### No sound is output from a specific speaker

Refer to "Troubleshooting" in the "Owner's Manual."

## More various features!

More various functions are available with the unit.

Refer to the "Owner's Manual" for details on effective use of the unit.

### Connecting external devices other than BD/DVD players

(p.21)

Various devices, audio players, such as CD players, video games, camcorders, etc. can be connected to the unit.

### Selecting the favorite sound programs (p.33)

You can select various sound programs (CINEMA DSP) and sound decoders in many different categories suitable for movies, music, video games, sports programs, and so on.

### Playing songs with your iPod

(p.42)

You can play an iPod with the unit using a USB cable supplied with the iPod.

- Listening to FM/AM (p.38)
- Playing back songs with USB storage devices (p.47)
- Changing input settings with a single key (SCENE function) (p.32)

For more detail, see "What you can do with the unit" (p.5).