



Front Surround System  
音箱

# MusicCast BAR 400



YAS-408

EN

Quick Start Guide

ZH-CN

使用说明书



L

English

简体中文

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### About this Quick Start Guide

This Quick Start Guide provides basic setup to use the unit and feature of the unit. The unit is equipped with a number of other functions not described in this document. For more information about this product, refer to the Owner's Manual on the Yamaha website.

Follow one of the methods described below to view the latest Owner's Manual.

#### In HTML format

- Scan the QR code found on the front cover of this document.
- Visit the following website.  
<https://manual.yamaha.com/av/18/yas408/>

#### In PDF format

- Visit the following website.  
<https://download.yamaha.com/>

#### [For U.S. customers only]

Visit the following website for additional information, FAQ's, downloads such as "Owner's Manual" and product updates.  
<http://usa.yamaha.com/support/>

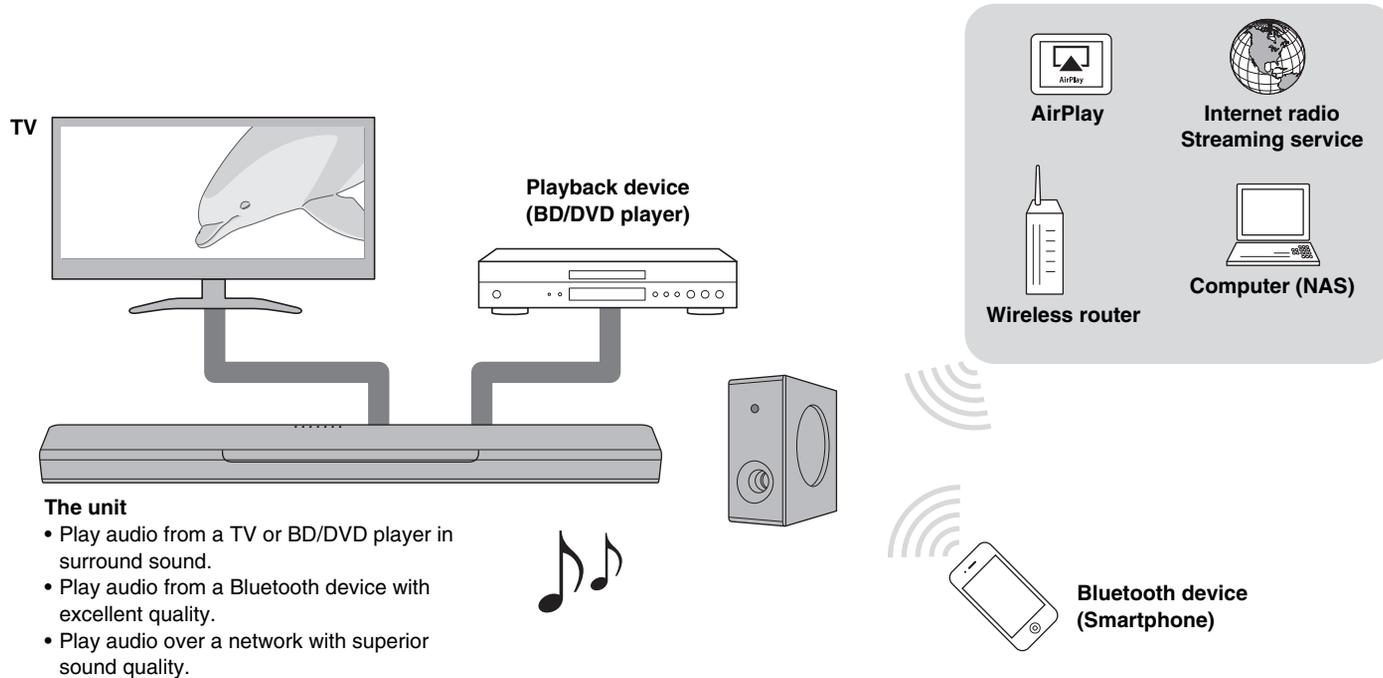
- In this booklet, iOS and Android mobile devices are collectively referred to as "mobile devices". The specific type of mobile device is noted in explanations as needed.
- Trademarks and trade names used in this document are those of their respective owners. See the Owner's Manual for more information.
- This manual uses the following signal words for the important information:
  -  **WARNING**  
This content indicates "risk of serious injury or death."
  -  **CAUTION**  
This content indicates "risk of injury."
  - **NOTICE**  
Indicates points that you must observe in order to prevent product failure, damage or malfunction and data loss, as well as to protect the environment.
  - **NOTE**  
Indicates notes on instructions, restrictions on functions, and additional information that may be helpful.

# Before using the unit

## Features

### Introduction

This front surround system allows for the enjoyment of dynamic sound with video played on a TV.



# Supplied items

Make sure you have received all of the following items.



Center unit (YAS-CU408)

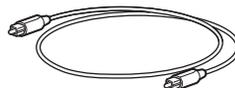


Remote control

A CR2025 Lithium battery has already been inserted into the remote control.



Power cord × 2



Optical digital audio cable



Wireless subwoofer (NS-WSW43)

In this manual, the wireless subwoofer is referred to as "subwoofer".



Mounting template

Use when mounting the center unit on a wall



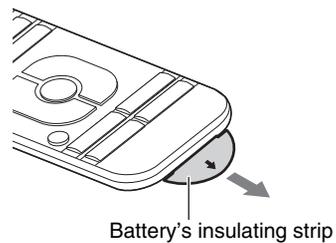
Quick Start Guide (this booklet)



Safety Brochure

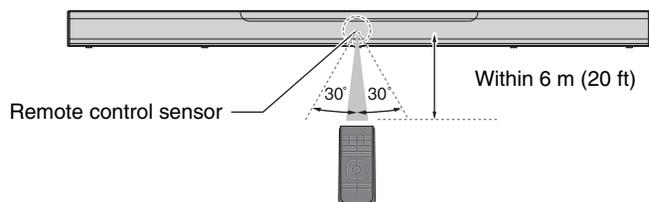
## Preparing the remote control

Remove the battery's insulating strip before attempting to use the remote control.



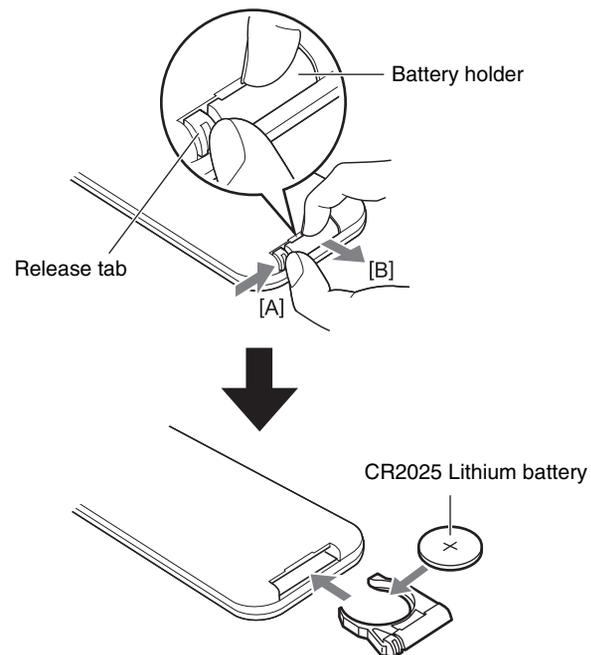
## Operating range of the remote control

Operate the remote control within the range as shown below.



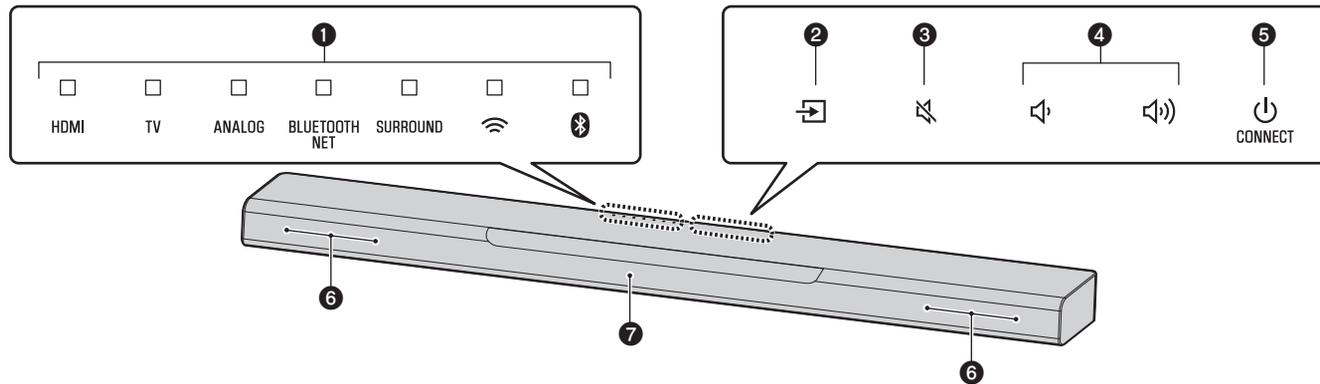
## Replacing the battery in the remote control

Press and hold the release tab firmly in the direction indicated by [A], and slide the battery holder out in the direction indicated by [B].



# Part names and functions

## Center unit (front panel/top panel)



### 1 Indicators

The indicators on the top panel flash or glow, to show the operation and setting status. In this manual, indicators status, such as off, glowing, and flashing, are shown as the illustrations below.



#### NOTE

- The brightness of the indicators can be changed using DIMMER on the remote control (p.17).

### 2 (input)

Select an input source to be played back (p.14).

### 3 (mute)

Mute the audio output. Touch  again to unmute (p.15).

### 4 (volume +/-)

Adjust the volume (p.15).

### 5 (power)/CONNECT

Turn on or off the unit (p.13).

Use to connect the unit to a network using the MusicCast CONTROLLER app (p.19).

#### NOTE

- The unit may automatically turn off when the auto power standby function is enabled. For details, see "Setting the auto power standby function" in the Owner's Manual.

### 6 Speakers

### 7 Remote control sensors

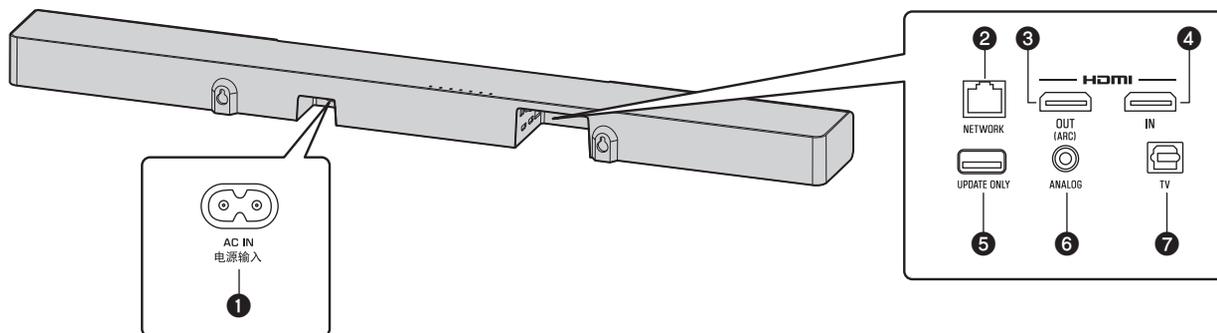
Receive infrared signals from the remote control of the unit (p.13).

#### NOTE

- 2, 3, 4 and 5 are touch sensors. Touch icons with your finger to control functions.
- Do not place any objects on the touch panel as doing so may result in unintended operations.
- When touch panel control is disabled, no operations can be performed using the unit's touch panel. This prevents accidental operation of the unit. For details, see "Enabling/disabling touch panel control (child lock function)" in the Owner's Manual.

## Center unit (rear panel)

The illustrations in this manual include labels next to the jacks on the bottom of the unit for easy identification.



### ❶ AC IN jack

Connect the power cord of the center unit (p. 11).

### ❷ NETWORK jack

For connecting to a network with a network cable (p. 18).

### ❸ HDMI OUT (ARC) jack

For connecting to an HDMI-compatible TV and outputting video/audio signals (p. 10).  
When a TV that supports Audio Return Channel (ARC) is used, TV audio signal can also be input through this jack.

### ❹ HDMI IN jack

For connecting to an HDMI-compatible playback device, such as a BD/DVD player, a satellite and cable TV tuner, and a game console, and inputting video/audio signals (p. 10).

### ❺ UPDATE ONLY jack

Use to update this unit's firmware.  
Refer to the instructions supplied with the firmware for details.

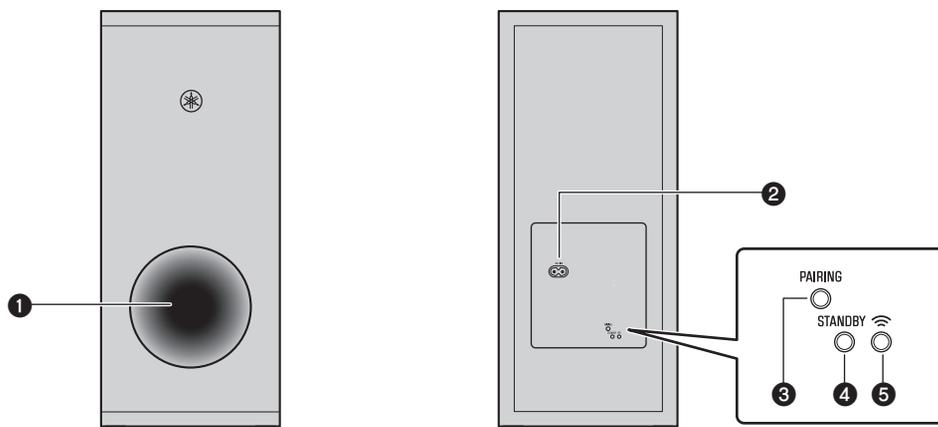
### ❻ ANALOG input jack

For connecting to an external device with a 3.5 mm stereo mini plug cable and inputting audio signals (p. 11).

### ❼ TV input jack

For connecting to a TV with an optical digital audio cable and inputting audio signals (p. 10).

## Subwoofer



### 1 Bass reflex port

### 2 AC IN jack

Connect the power cord of the subwoofer (p.11).

### 3 PAIRING button

Use to pair the center unit with the subwoofer manually.

### 4 STANDBY indicator

Shows subwoofer's status (p.13).

### 5 indicator

Glow when the center unit and subwoofer are connected wirelessly (p.12).

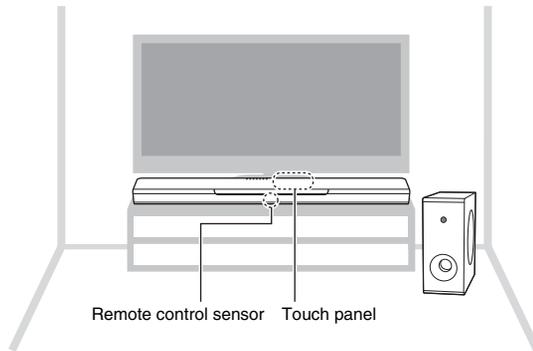
# Installation

The center unit can be installed on a TV stand, etc.

Position the subwoofer to the left or right of the center unit. Angle the subwoofer slightly toward the center of the room to prevent sound from reflecting off of walls.

## Installing the center unit on a TV stand

Position the center unit with the touch panel facing up.



### NOTICE

- Do not stack the center unit and a BD player or other device directly on each other. Doing so may cause a malfunction due to vibrations.
- Avoid touching, and never place any weight or pressure on, the subwoofer's speaker (portion covered with fabric). Doing so may damage the speakers.
- Do not install the subwoofer where the speaker (portion covered with fabric) is too close to a wall, or cover the subwoofer's bass reflex port. Doing so may reduce sound volume.
- The subwoofer can only be used in its upright position. Do not position the subwoofer on its side.
- This unit contains non-magnetic shielding speakers. Do not place magnetically sensitive items (hard disk drive, etc.) near the unit.
- The center unit and subwoofer communicate wirelessly. Do not place objects that block or interfere with wireless signals, such as metallic furniture or devices, between the center unit and the subwoofer as wireless communication may be adversely affected.

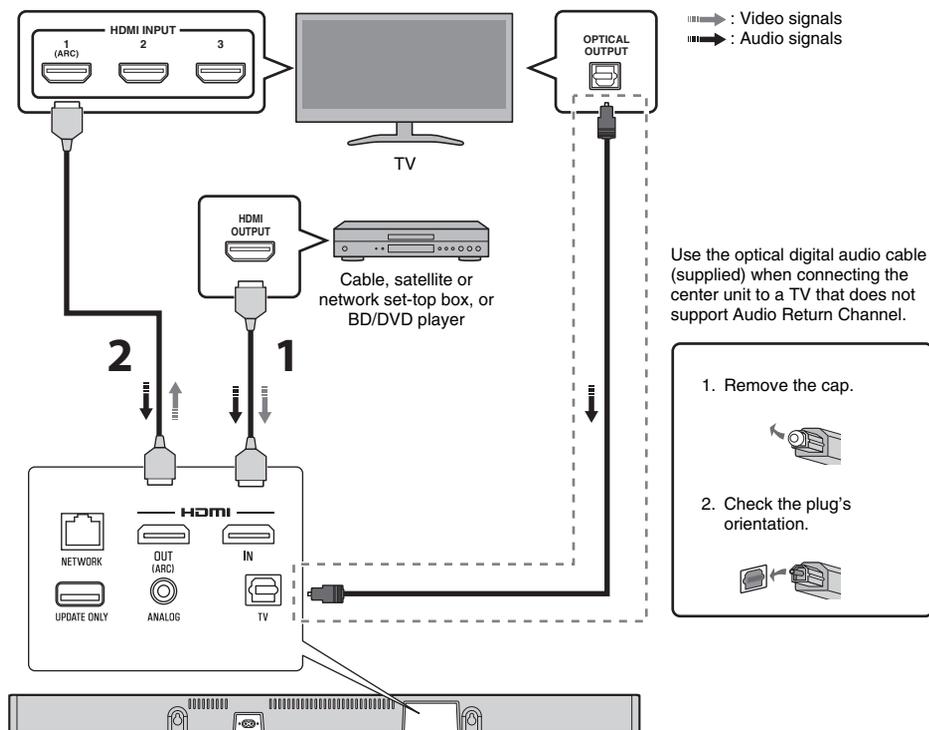
### NOTE

- The center unit can also be mounted on a wall. Some knowledge of building construction is required for safe installation. Please have a qualified contractor or dealer install the center unit on a wall. For details, see "Information for qualified contractors or dealers" in the Owner's Manual.

# Connections

## 1 Connecting a TV and set-top box

For the cable connection, follow the procedure below.



### 1 HDMI cable (sold separately)

The digital audio/video signals from the set-top box or BD/DVD player are input to this unit.

### 2 HDMI cable (sold separately)

Digital video from the set-top box or BD/DVD player is displayed on the TV.

#### NOTE

- Use a 19-pin HDMI cable with the HDMI logo printed on it. A cable with a maximum length of 5 m (16 ft) is recommended to prevent degradation of signal quality.
- Use of a flat HDMI cable may make installing the center unit difficult because the cable will be bent by the bottom of the center unit when connected. Confirm the layout and position of jacks on the center unit before choosing an appropriate HDMI cable.
- This unit supports HDCP version 2.2, a copy protection technology. For playback of 4K video, connect the unit to the HDMI input jack (one compatible with HDCP 2.2) on an HDCP 2.2-compliant TV, and to the HDMI output jack on a HDCP 2.2-compliant BD/DVD player.
- Use a premium high-speed HDMI cable for playback of 3D and 4K video content.

#### Audio Return Channel (ARC) supported TV

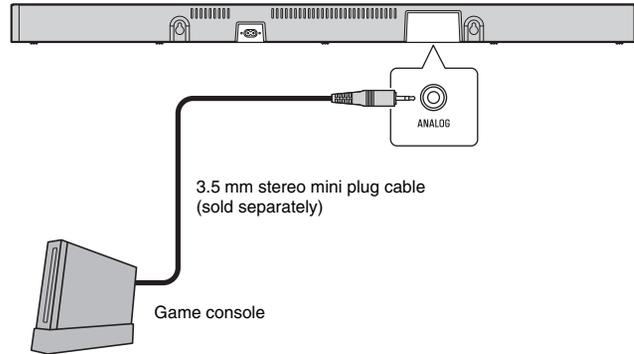
- Connect an HDMI cable to the audio return channel supported jack (the jack with "ARC" indicated) on TV.
- Video and audio content from playback devices can be output from the TV even when this unit is off (HDMI signal pass-through).

#### What is Audio Return Channel (ARC)?

In order for the unit to play audio from a TV, the TV must usually be connected to the unit via an audio cable as well as an HDMI cable. If, however, the TV supports Audio Return Channel (ARC), TV audio signals can be input to the unit via the HDMI cable that outputs video signals from the unit to the TV.

## 2 Connecting a game console via the analog jack

Connect an external device, such as a game console or TV that does not have an optical digital audio output, to the ANALOG input jack of the center unit.



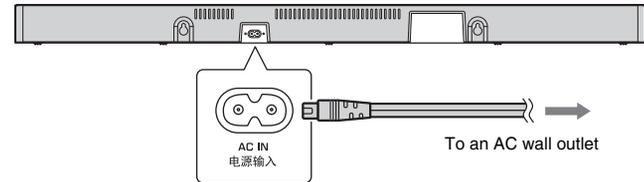
### CAUTION

- If volume can be adjusted on the device connected to the unit's ANALOG input jack, set that device's volume to the same level as that of other devices connected to the unit's HDMI jacks to prevent volume from being louder than expected.

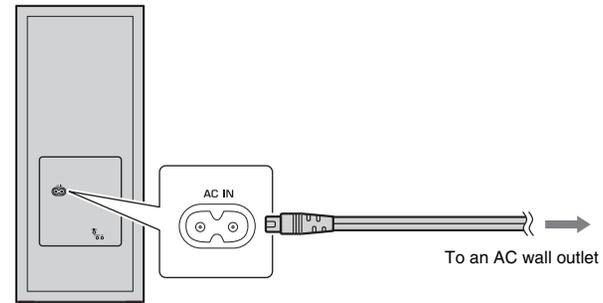
## 3 Connecting the power cord

Once all connections have been made, connect the supplied power cords to the AC IN jacks on the center unit and subwoofer respectively, and plug the power cords into AC wall outlets.

### Center unit

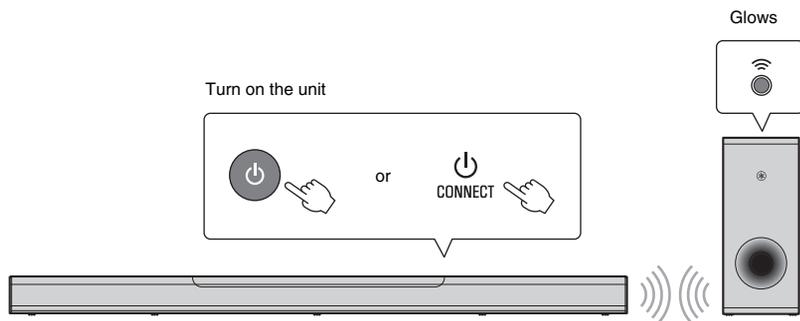


### Subwoofer



## 4 Turning on the unit

Press  (power) on the remote control or touch /CONNECT on the center unit. The unit turns on and the center unit and subwoofer are automatically connected via wireless connection. Once the connection has been successfully established, the  indicator on the subwoofer's rear panel glows, and the unit is ready for playback.



### NOTE

- If the  indicator on the subwoofer does not glow properly, see "No sound is coming from the subwoofer" in the Owner's Manual.

# Operations

## Remote control signal transmitter

Transmits infrared signals.



## 1

### (power) button

Turns on or off the unit.

#### Center unit

##### Turned on



The indicator for the last input source selected glows.

Indicates the surround setting, and network or Bluetooth connection status.

##### Turned off/network standby



#### Subwoofer

##### Turned on



##### Turned off/network standby

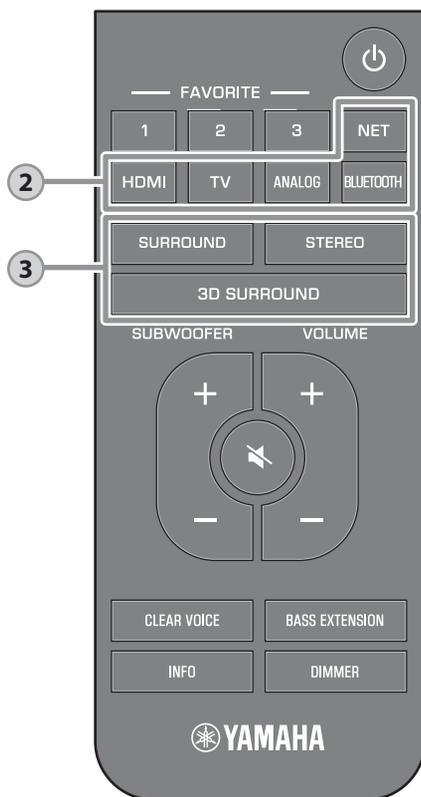


### NOTE

- When the unit is turned on for the first time after purchase, the  indicator on the center unit flashes slowly.



While the  indicator is flashing, network settings from your iOS device (an iPhone, etc.) can be applied to the unit to connect the unit to a wireless network. For details on settings, see “Connecting to a network using the WAC function” in the Owner’s Manual. Press any button on the remote control to cancel this function if it will not be used. The  indicator does not flash if the unit’s NETWORK jack is connected to a router using a cable (wired connection).



2

## Input buttons

Select an input source to be played back.

**TV** .....TV audio or sound from a device connected to the unit's TV input jack

**HDMI**.....Sound from a device connected to the HDMI input jack

**ANALOG** .....Sound from a device connected to the ANALOG input jacks

**BLUETOOTH** ..Sound from a Bluetooth connected device

**NET**.....Audio acquired via a network

The indicator for the selected input source glows.

(Example: when TV is selected)



## NOTE

- To play sound from the device connected to the TV or to watch video from the device, set the TV's input source to the playback device.
- For details on playing music files stored on a Bluetooth device, see "Listening to music stored on a Bluetooth® device" in the Owner's Manual.
- For details on playing content via a network, see the following in the Owner's Manual:
  - "Play music with AirPlay"
  - "Play music stored on a media server (computer or NAS)"
  - "Listening to Internet radio"
  - "Listening to streaming services"
  - "Play music stored on mobile devices"

3

## 3D SURROUND, SURROUND and STEREO buttons

Switch to 3D surround playback, surround playback, and stereo (2-channel) playback.

### 3D SURROUND button

Switch to 3D surround playback. When 3D surround is selected, DTS Virtual:X makes it possible to hear sound not only from horizontal directions, but also from varying heights.



### SURROUND button

Switch to surround playback.



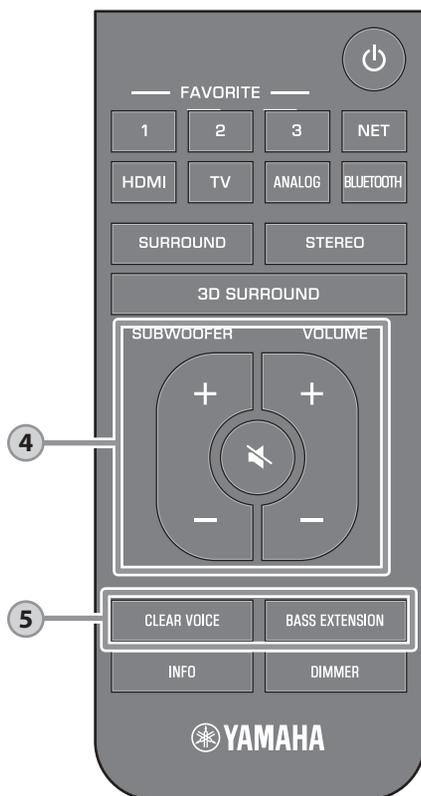
### STEREO button

Switch to stereo (2-channel) playback.



## NOTE

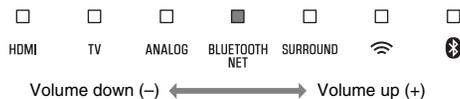
- The TV Program, Movie, Music, Sports, or Game surround mode can be selected using the dedicated MusicCast CONTROLLER app installed on a mobile device when the unit is connected to a network and registered as a MusicCast-enabled device with the app (p.19).



4

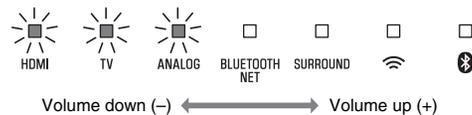
### SUBWOOFER (+/-) buttons

Adjust the volume of the subwoofer.



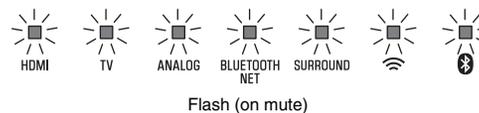
### VOLUME (+/-) buttons

Adjust the volume of the unit.



### Mute (mute) button

Mute the audio output. Press the button again to unmute.

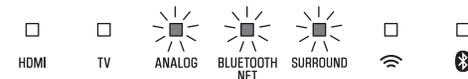


5

### CLEAR VOICE button

Enable/disable the clear voice function.

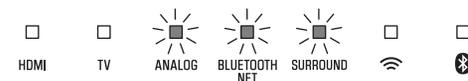
When this function is enabled, human voices such as lines in movies and TV shows, or news and sport commentary, are played clearly.



Enabled: Flash three times and turn off  
Disabled: Flash once and turn off

### BASS EXTENSION button

Enable/disable the bass extension function. When this function is enabled, you can enjoy a powerful bass sound.



Enabled: Flash three times and turn off  
Disabled: Flash once and turn off

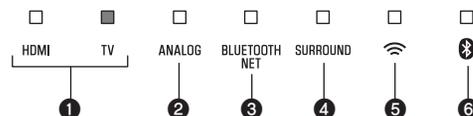


## 6

### INFO button

Press INFO to confirm the type of audio signal being played, as well as settings for functions such as the bass extension function.

The indicators on the unit will show the following audio information for three seconds immediately after INFO is pressed.



**1 Show the type of audio signal.**

HDMI glows (white): Dolby Digital

HDMI glows (red): DTS

TV glows (white): AAC

HDMI and TV off: PCM/analog input/no input

**2 Show whether Dolby Pro Logic II is enabled or disabled. Dolby Pro Logic II is enabled automatically when 2-channel stereo signals are played in surround sound.**

Glow: Enabled

Off: Disabled

**3 Show the bass extension function setting.**

Glow: Enabled

Off: Disabled

**4 Show the clear voice function setting.**

Glow: Enabled

Off: Disabled

**5 Show the network standby function setting.**

Glow: Enabled

Off: Disabled

**6 Show the Bluetooth function setting.**

Glow (blue): Enabled

Off: Disabled



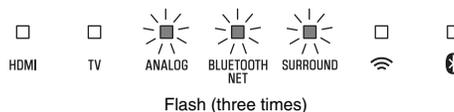
7

### FAVORITE (1-3) buttons

Use the FAVORITE button to register input sources played over a network (Internet radio stations, music files stored on a media server, etc.) as favorites.

#### Register favorites with the FAVORITE buttons

- 1 Play the input source to be registered.
- 2 Press and hold FAVORITE 1, 2, or 3 at least three seconds.



#### Play favorite input sources

- 1 Press FAVORITE 1, 2, or 3 to which the input source has been assigned.

#### NOTE

- Favorites assigned to FAVORITE 1, 2, or 3 using the remote control will also be assigned to MusicCast CONTROLLER app "Favorites" 1, 2, and 3. If favorite 1, 2, or 3 is changed with either the unit or the MusicCast CONTROLLER app, the corresponding favorite will also be automatically changed with the other.

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### DIMMER button

Change the brightness of the indicators. Each time DIMMER is pressed, the brightness of the indicators changes as follows.

Dim (default setting) → Off → Bright



Indicators glow brightly just after operation and change to the specified brightness after a few seconds.

# Connecting to a network

## Network functions and the MusicCast CONTROLLER app

A network connection allows you to listen to Internet radio stations or music streaming services, and to use AirPlay to play music files, or to play music files stored on your computer (media server) via this unit.

Most playback requires the “MusicCast CONTROLLER” app for mobile devices. Install and use the MusicCast CONTROLLER app on your mobile device to play music files.

Proceed from network connection to playback in the following sequence.

1 Choose a wired network connection (p. 18) or a wireless network connection (p. 19).



2 Use the MusicCast CONTROLLER app to connect the unit to a network, and register the unit as a MusicCast-enabled device (p. 19).



3 Use the MusicCast CONTROLLER app\* to play music over a network. For details on playing music over a network, refer to the Owner’s Manual.

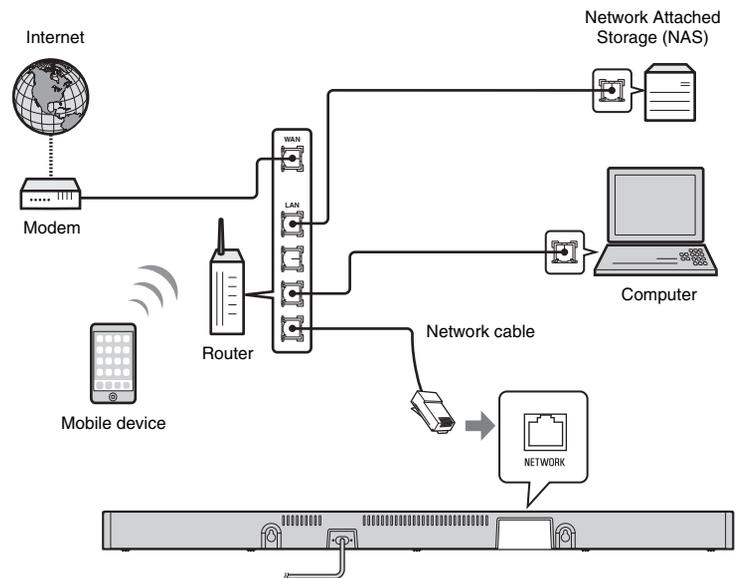
\* AirPlay can be used to play music files without using the MusicCast CONTROLLER app.

### NOTE

- To use network function, the unit, your computer and mobile device must be connected to the same router.
- When using a multiple SSID router, access to the unit might be restricted depending on the SSID to connect. Connect the unit and mobile device to the same SSID.
- Some security software installed on your computer, or network device settings (such as a firewall), may block the unit’s access to your computer or Internet radio stations. Should this occur, change security software and/or network device settings.
- A network connection cannot be established if the MAC address filter on your router is enabled. Check your router’s settings.
- To configure your router’s subnet mask manually, apply the same subnet used by this unit to all devices.
- Use of a broadband connection is recommended when using Internet services.
- The unit cannot be connected to a network that requires manual setup. Connect the unit to a DHCP-enabled router.

## Wired network connections

To use a wired network connection, connect the unit to a router via an STP network cable (category 5 or higher straight cable; sold separately).

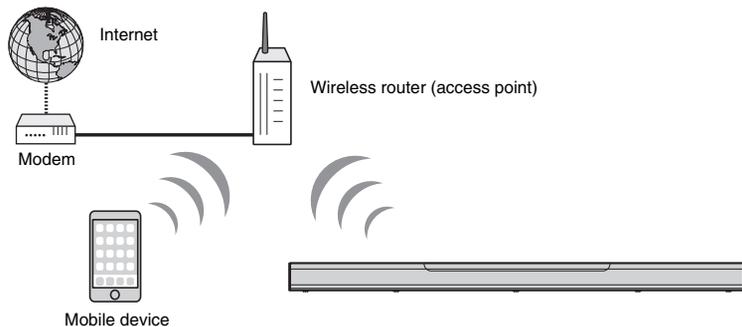


### NOTE

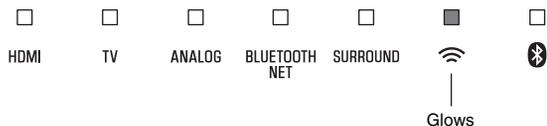
- If network connections or settings are changed, use the MusicCast CONTROLLER app to connect the unit to a network and register the unit as a MusicCast-enabled device again (p. 19).

## Wireless network connections

Connect the unit to a wireless router (access point) to use a network.



The  indicator on the unit glows when the unit is connected to a wireless network.



### NOTE

- If the unit and the wireless router (access point) are too far apart, the unit may not connect to a wireless router (access point). In such case, place them close to each other.

## Connecting with the MusicCast CONTROLLER app (registering the unit as a MusicCast-enabled device)

Install the MusicCast CONTROLLER app on your mobile device to connect the unit to a network and register it as a MusicCast-enabled device.

### NOTE

- Confirm that your mobile device is connected to your home router before beginning.
- This section uses MusicCast CONTROLLER app screens displayed in English on an iPhone as examples.
- MusicCast CONTROLLER app screens and menu labels are subject to change without prior notice.

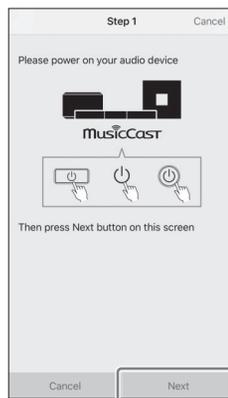
## 1 Install the MusicCast CONTROLLER app on your mobile device, and open the app.

Search for “MusicCast CONTROLLER” on the App Store or Google Play.

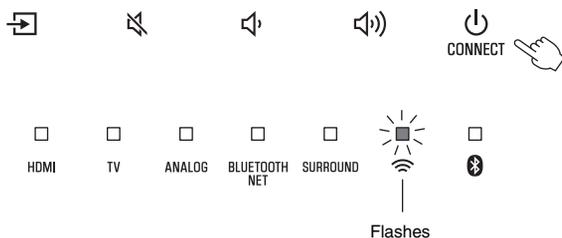
## 2 Tap “Setup”.



### 3 Turn on the unit, and then tap “Next”.



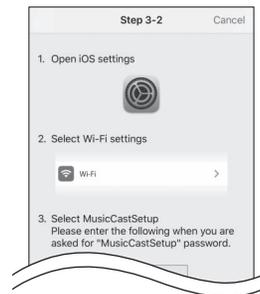
### 4 Touch and hold /CONNECT until the indicator on the unit starts flashing.



### 5 Follow the on-screen instructions to configure network settings.

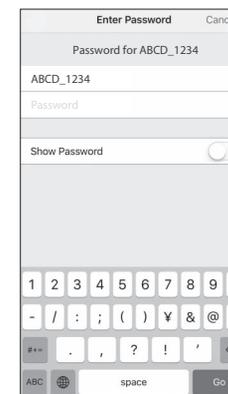
#### NOTE

- When a screen like that below is displayed, follow the on-screen instructions to configure network settings.



- Use the Home button on your mobile device to return to the Home screen.
- Select “Wi-Fi” from “Settings”.
- Select “MusicCastSetup” from “CHOOSE A NETWORK...”. If the on-screen instructions prompt you to enter the MusicCastSetup password, enter the password displayed on the screen.
- Use the Home button to return to the MusicCast CONTROLLER app.

- When a screen like that at left below is displayed, select the network to which the unit will be connected and enter the router’s password (encryption key). The router’s password (encryption key) is often noted on the router itself. Refer to documentation supplied with the router for details.



## 6 To register the unit as a MusicCast-enabled device, configure the following items.

- Location name (“home”, “John’s house”, etc.)
- Name and photo of the room where the unit is installed

The location name, and the name and photo of the room where the unit is installed can be changed later.

Location Name Cancel

Enter Location Name

Home1

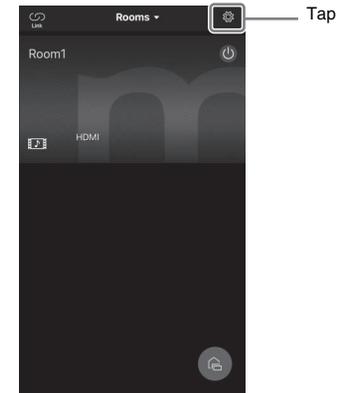
Location name is used to recognize a MusicCast location which contains one or several rooms (Ex. My place, workplace, etc.)  
This can be changed later

Next

Network connection with the MusicCast CONTROLLER app is now complete, and the unit has been registered as a MusicCast-enabled device.

### NOTE

- If a different MusicCast-enabled device is already registered with the MusicCast CONTROLLER app, tap  (Settings) in the room selection screen, and then select “Add New Device” to add the unit to the app.



# Specifications

## Specifications (YAS-CU408)

Amplifier section		
Maximum rated output power	Front L/R	50 W × 2ch

Speaker section		
Front L/R	Type	Acoustic suspension type (non-magnetic shielding)
	Driver	4.6 cm (1-3/4") cone × 4
	Frequency response	160 Hz to 9 kHz
	Impedance	4 Ω (8 Ω × 2)
Tweeter	Driver	2.5 cm (1") dome × 2
	Frequency response	9 kHz to 23 kHz
	Impedance	4 Ω

Decoder	
Supported audio signal (HDMI/optical input)	PCM (up to 5.1ch) Dolby Digital (up to 5.1ch) DTS Digital Surround (up to 5.1ch)

Input jacks	
HDMI	1 (HDMI IN)
Digital (Optical)	1 (TV)
Analog (3.5 mm stereo mini)	1 (ANALOG)

Output jacks	
HDMI	1 (HDMI OUT (ARC))

Other jacks	
USB	1 (UPDATE ONLY)
LAN	1 (NETWORK)

Bluetooth		
Bluetooth version	Ver 4.2	
Supported profiles	A2DP, AVRCP	
Supported codecs	Sink: SBC, AAC	
Bluetooth class	Bluetooth Class 2	
Range (line-of-sight)	Approx. 10 m (33 ft)	
Supported content protection method	SCMS-T (sink)	
Radio frequency	U.K. and Europe models	2402 MHz to 2480 MHz
Maximum output power (EIRP)	U.K. and Europe models	6.5 dBm (4.5 mW)

Network	
Ethernet standard	100BASE-TX/10BASE-T
Supported codecs	WAV (PCM format only) /AIFF/FLAC: up to 192 kHz ALAC: up to 96 kHz MP3/WMA/MPEG-4 AAC: up to 48 kHz
PC client function AirPlay supported Internet radio	

Wi-Fi			
Wireless LAN standards	IEEE 802.11 a/b/g/n/ac* * 20 MHz channel bandwidth only		
Radio frequency band	2.4 GHz/5 GHz		
Available security method	WEP, WPA2-PSK (AES), Mixed Mode		
Radio frequency	U.K. and Europe models	2.4 GHz band	2402 MHz to 2482 MHz (20 MHz)
		5 GHz band	5170 MHz to 5250 MHz (20 MHz) 5250 MHz to 5330 MHz (20 MHz) 5490 MHz to 5710 MHz (20 MHz) 5735 MHz to 5835 MHz (20 MHz)
Maximum output power (EIRP)	U.K. and Europe models	2.4 GHz band	19.2 dBm (83.2 mW)
		5 GHz band	5170 MHz to 5250 MHz (20 MHz): 21.5 dBm (141.3 mW) 5250 MHz to 5330 MHz (20 MHz): 21.8 dBm (151.4 mW) 5490 MHz to 5710 MHz (20 MHz): 24.1 dBm (257.0 mW) 5735 MHz to 5835 MHz (20 MHz): 13.5 dBm (22.4 mW)

General			
<b>Power supply</b>	U.S.A. and Canada models	AC 120 V, 60 Hz	
	Australia model	AC 240 V, 50 Hz	
	Europe, Asia, and Russia models	AC 110 to 240 V, 50/60 Hz	
	U.K. model	AC 230 V, 50 Hz	
	Taiwan model	AC 110 V, 60 Hz	
	China model	AC 220 V, 50 Hz	
	Korea model	AC 220 V, 60 Hz	
<b>Power consumption</b>	30 W		
<b>Standby power consumption</b>	U.S.A., Canada and Taiwan models	HDMI control off, network standby off	0.4 W
		HDMI control off, network standby on (Wired/Wi-Fi/Bluetooth)	1.6/1.8/1.7 W
		HDMI control on, network standby off	0.7 W
		HDMI control on, network standby on	2.2 W
	U.K. and Europe models and other models	HDMI control off, network standby off	0.4 W
		HDMI control off, network standby on (Wired/Wi-Fi/Bluetooth)	1.6/1.8/1.7 W
		HDMI control on, network standby off	0.7 W
		HDMI control on, network standby on	2.2 W
<b>Dimensions (W x H x D)</b>	980 × 60 × 110.5 mm (38-5/8" × 2-3/8" × 4-3/8")		
<b>Weight</b>	2.7 kg (6 lbs)		

## Specifications (NS-WSW43)

The specifications of the subwoofer are as follows.

Amplifier section	
<b>Maximum rated output power</b>	100 W

Speaker section		
<b>Type</b>	Bass reflex type (non-magnetic shielding type)	
<b>Driver</b>	16 cm (6-1/2") cone × 1	
<b>Frequency response</b>	40 Hz to 160 Hz	
<b>Impedance</b>	2 Ω	
<b>Radio frequency band</b>	2.4 GHz	
<b>Radio frequency</b>	U.K. and Europe models	2405.35 MHz to 2477.35 MHz
<b>Maximum output power (EIRP)</b>	U.K. and Europe models	9.0 dBm (8 mW)
<b>Transmission range</b>	10 m ([33 ft] without interference)	

General		
<b>Power supply</b>	U.S.A. and Canada models	AC 120 V, 60 Hz
	Europe, Asia, and Russia models	AC 110 to 240 V, 50/60 Hz
	U.K. model	AC 230 V, 50 Hz
	Taiwan model	AC 110 V, 60 Hz
	Korea model	AC 220 V, 60 Hz
	China model	AC 220 V, 50 Hz
	Australia model	AC 240 V, 50 Hz
<b>Power consumption</b>	19 W	
<b>Standby power consumption</b>	U.S.A., Canada and Taiwan models	0.8 W
	U.K. and Europe models and other models	0.8 W
<b>Dimensions (W x H x D)</b>	180 × 417 × 405 mm (7-1/8" × 16-3/8" × 16")	
<b>Weight</b>	9.4 kg (21 lbs)	

### NOTE

- The contents of this manual apply to the latest specifications as of the publishing date. To obtain the latest manual, access the Yamaha website then download the manual file.

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## 关于本 快速启动指南

快速启动指南提供了使用本机的基本设置以及功能。

本机有许多未在本文件中记述的功能。有关本产品的详情，请参阅雅马哈网站上的使用说明书。

按照下述方法中的一种查看最新的使用说明书。

### HTML 格式

- 扫描本文件封面上的二维码。
- 访问以下网站。  
<https://manual.yamaha.com/av/18/yas408/>

### PDF 格式

- 访问以下网站。  
<https://download.yamaha.com/>

### [仅限于美国客户]

有关更多信息、常见问题、下载内容（如《使用说明书》）和产品更新，请访问以下网站。  
<http://usa.yamaha.com/support/>

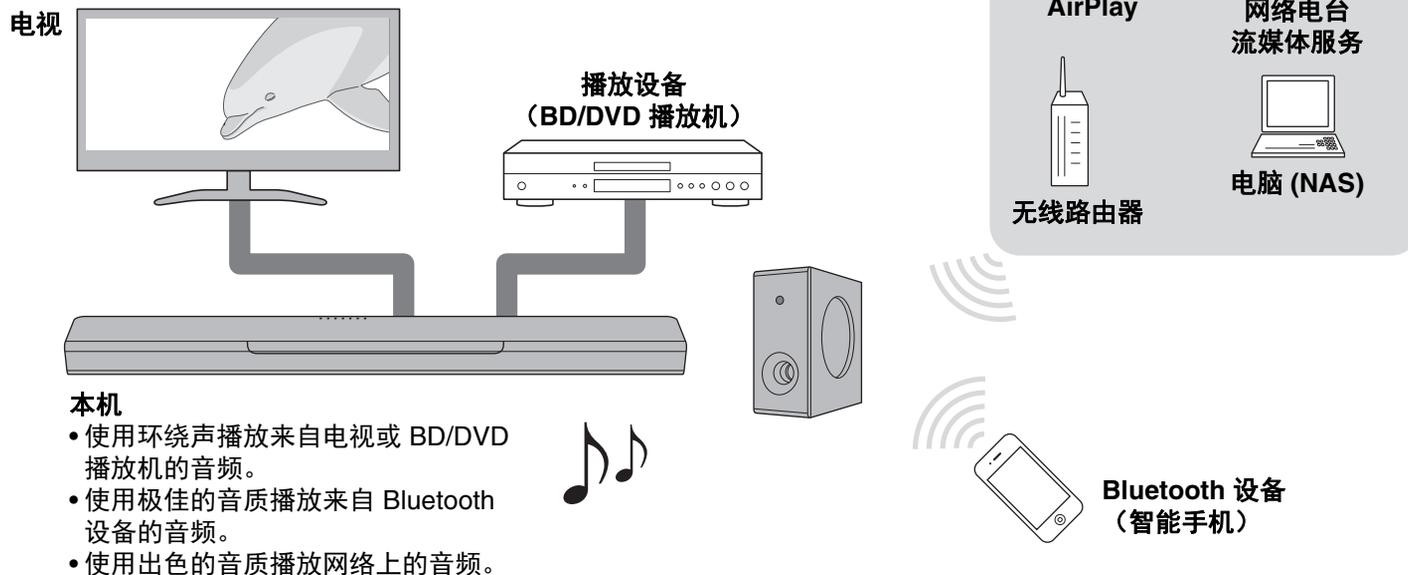
- 在本册子中，统一将 iOS 和 Android 移动设备称作“移动设备”。有些特殊类型的移动设备，根据需要会特别提及。
- 本文件中使用的商标和商品名均归其各自的所有者所有。有关更多信息，请参阅使用说明书。
- 本手册使用下列标志词标注重要信息：
  -  **警告**  
本内容表示“有重伤或死亡的风险”。
  -  **注意**  
本内容表示“有受伤的风险”。
  - **须知**  
表示为防止产品失效、损坏或故障、数据丢失以及保护环境必须遵守的要点。
  - **注**  
表示说明注释、功能限制和其他有用的信息。

# 使用本机前的注意事项

## 功能

### 简介

该前置式环绕声系统允许在电视机上播放视频的同时享受动态音效。



# 随附项目

请确认您收到了下列所有的物品。



中央设备 (YAS-CU408)

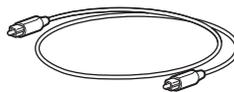


遥控器

遥控器内已经插入了  
CR2025 锂电池。



电源线 × 2



光纤数字音频电缆



无线低音炮 (NS-WSW43)

在本手册中，无线低音炮简称为“低音炮”。



安装模板

将中央设备安装在墙上时的使用



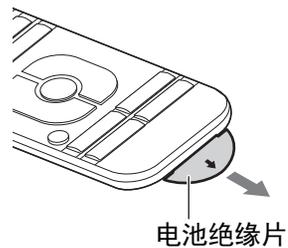
快速启动指南 (本册子)



安全手册

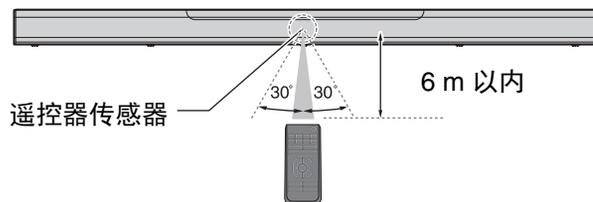
## 准备遥控器

在使用遥控器前请取下电池的绝缘片。



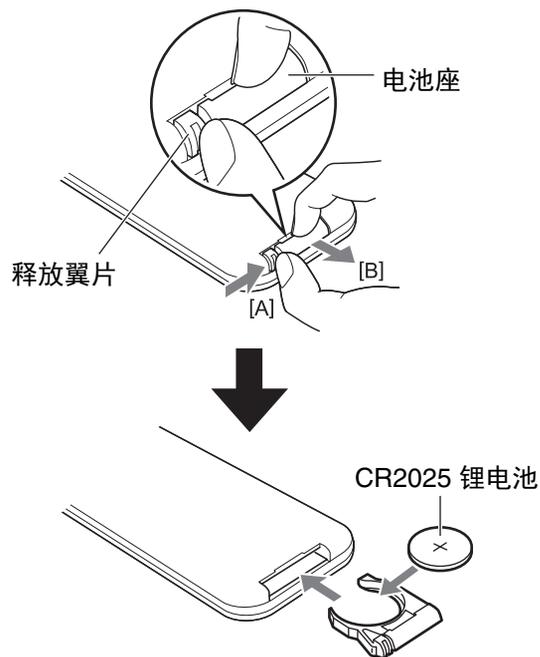
## 遥控器操作范围

请按照以下所示范围操作遥控器。



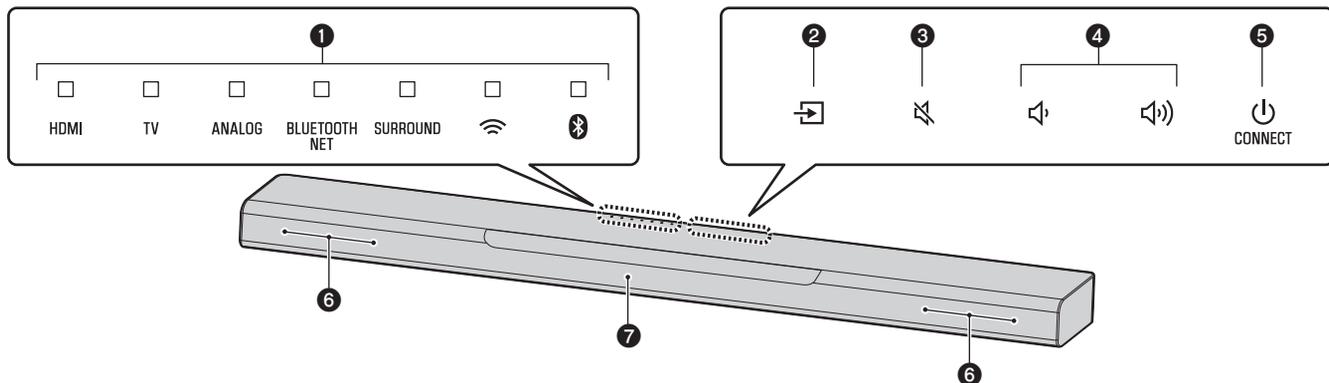
## 更换遥控器内的电池

按照 [A] 指示的方向用力按住释放翼片，然后按照 [B] 指示的方向向外滑动电池座。



# 部件名称与功能

## 中央设备（前面板 / 顶部面板）



### ① 指示灯

顶部面板上的指示灯闪烁或点亮可以指示运转和设定状态。在该手册中，熄灭、亮起和闪烁等指示灯状态如下图所示。

□ : Off    ■ : 亮起    ☀ : 闪烁

注

- 使用遥控器上的 DIMMER 调节指示灯的亮度 (第39页)。

### ② 输入

选择要播放的输入源(第36页)。

### ③ 静音

使音频输出静音。再次触摸取消静音 (第37页)。

### ④ 音量 +/-

调节音量 (第37页)。

### ⑤ 电源 /CONNECT

打开或关闭本机 (第35页)。

用于通过MusicCastCONTROLLER应用程序 (第41页) 将本机连接至网络。

注

- 如果本机启用了自动待机功能，则可能会自动关闭。有关详细信息，请参阅 使用说明书 中的“设置自动待机功能”。

### ⑥ 扬声器

### ⑦ 遥控器传感器

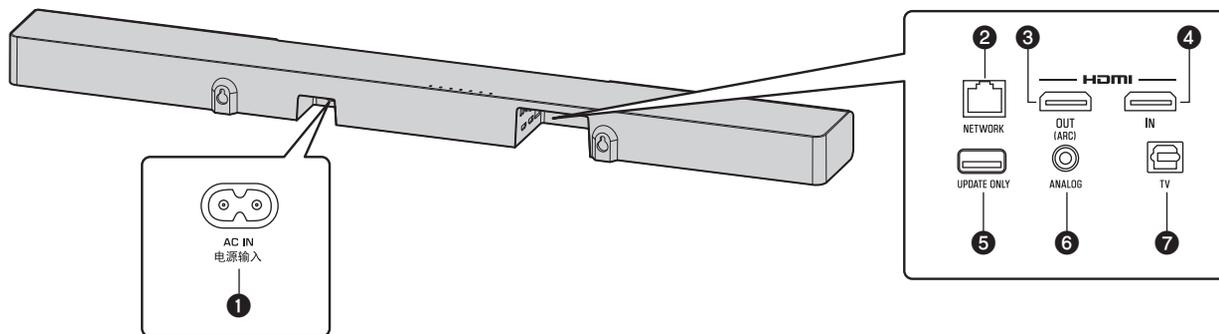
接收来自本机遥控器的红外线信号 (第35页)。

注

- ②、③、④ 和 ⑤ 为触摸传感器。用手指触摸图标进行功能控制。
- 不要在触摸面板上放置任何物体，因为这样做可能导致意外操作。
- 当禁用触摸面板控制时，无法使用本机的触摸面板执行操作。这样防止本机的意外操作。有关详细信息，请参阅 使用说明书 中的“启用/禁用触控面板控制（儿童锁定功能）”。

## 中央设备（后面板）

本手册中的插图包括本机底部上的插孔旁边的标签以方便辨认。



### ❶ 电源输入（AC IN）插孔

连接中央设备的电源线（第33页）。

### ❷ NETWORK 插孔

用于通过网络电缆连接至网络（第40页）。

### ❸ HDMI OUT (ARC) 插孔

用于连接兼容 HDMI 的电视和输出视频 / 音频信号（第32页）。  
当使用支持音频回传通道 (ARC) 的电视，也可通过该插孔输入电视音频信号。

### ❹ HDMI IN 插孔

用于连接兼容 HDMI 的播放设备，例如 BD/DVD 播放器、卫星和有线电视调谐器和游戏机，和输入视频/音频信号（第32页）。

### ❺ UPDATE ONLY 插孔

用于更新本机的固件。  
有关详细信息，请参阅固件随附的说明。

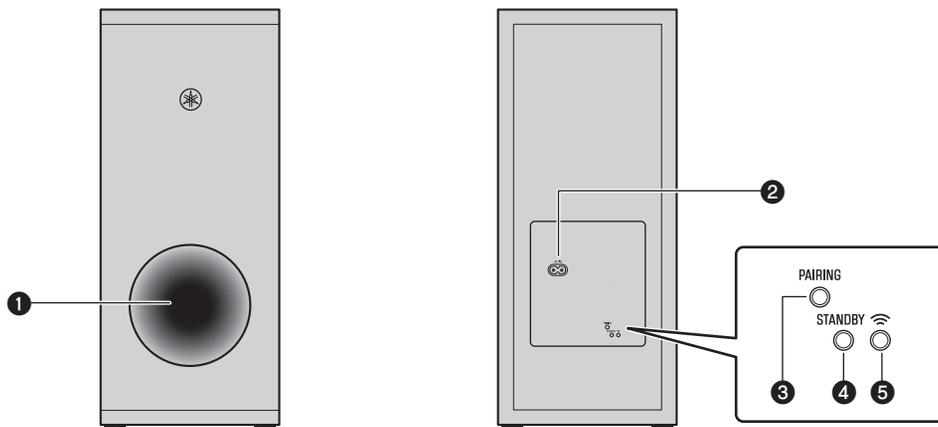
### ❻ ANALOG 输入插孔

用于使用 3.5mm 立体声迷你插头线缆连接外部设备和输入音频信号（第33页）。

### ❼ TV 输入插孔

用于连接配备光纤数字音频缆线的电视和输入音频信号（第32页）。

## 低音炮



### ①低音反射端口

### ②电源输入 (AC IN) 插孔

连接低音炮的电源线 (第33页)。

### ③PAIRING 按钮

用于手动将中央设备和低音炮配对。

### ④STANDBY 指示灯

显示低音炮的状态 (第35页)。

### ⑤Wi-Fi 指示灯

当中央设备和低音炮通过无线连接时亮起 (第34页)。

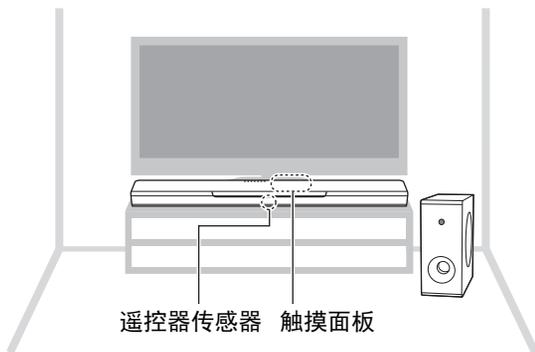
# 安装

中央设备可以安装在电视机底座等上。

将低音炮放置在中央设备的左侧或右侧。将低音炮稍微朝向房间中央放置，避免墙壁将声音反射回来。

## 将中央设备安装在电视机底座

将中央设备触摸面板朝上进行放置。



### 须知

- 请勿将中央设备和 BD 播放机或其他设备直接叠加在一起。否则可能由于振动导致故障。
- 请勿触摸，并勿在低音炮的扬声器（部分被织物包覆）上放置任何重物或施加任何压力。否则可能对扬声器造成损坏。
- 请勿将低音炮安装在扬声器（部分被织物包覆）的位置，或覆盖低音炮的低音反射端口。这样做会降低音量。
- 低音炮仅可在直立放置时使用。请勿将低音炮侧放
- 本机包含有非磁性屏蔽扬声器。请勿将磁感物品（硬盘驱动器等）放置在靠近本机的位置。
- 中央设备和低音炮以无线方式通信。请勿在中央设备和低音炮之间放置如金属家具或设备之类阻挡或干扰无线信号的物体，无线通信可能会受到不利影响。

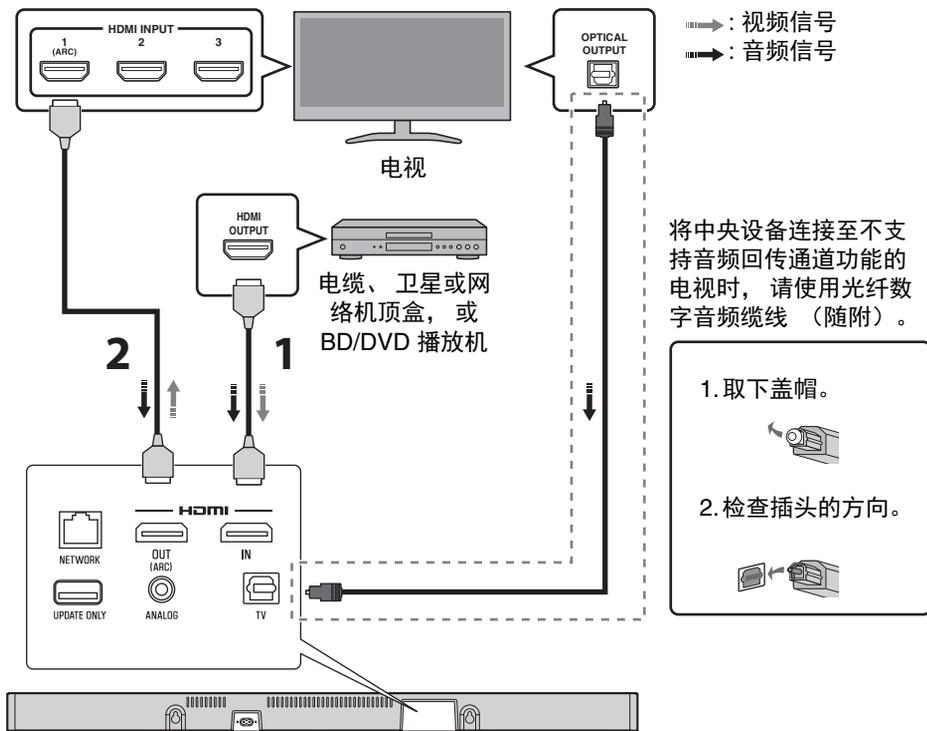
### 注

- 中央设备也可以安装在墙壁上。进行安全安装需要一些建筑结构的知识。请让具有资质的承包商或经销商将中央设备安装在墙壁上。有关详细信息，请参阅使用说明书中的“具备资质的承包商或经销商的信息”。

# 连接

## 1 连接电视和定位机顶盒

在进行缆线连接时，请遵循以下步骤。



### 1 HDMI 缆线（另售）

机顶盒或 BD/DVD 播放机的数码音频 / 视频信号输入到本机。

### 2 HDMI 缆线（另售）

在电视上播放机顶盒或 BD/DVD 播放机的数码视频。

#### 注

- 使用印有 HDMI 徽标的 19 针 HDMI 缆线。建议采用长度在 5 m 以内的缆线以防止信号质量下降。
- 使用扁平的 HDMI 缆线可能导致中央设备难以安装，因为连接时缆线会被中央设备的底部弯折。挑选适当的 HDMI 缆线前，请确认中央设备插孔的布局及位置。
- 本机支持 HDCP 版本 2.2（保护技术副本）。对于 4K 视频的播放，请将本机连接至兼容 HDCP 2.2 的电视的 HDMI 输入插孔（与 HDCP 2.2 兼容），以及兼容 HDCP 2.2 的 BD/DVD 播放机的 HDMI 输出插孔。
- 播放 3D 和 4K 视频内容时，使用优质高速的 HDMI 缆线。

### 支持音频回传通道功能（ARC）的电视

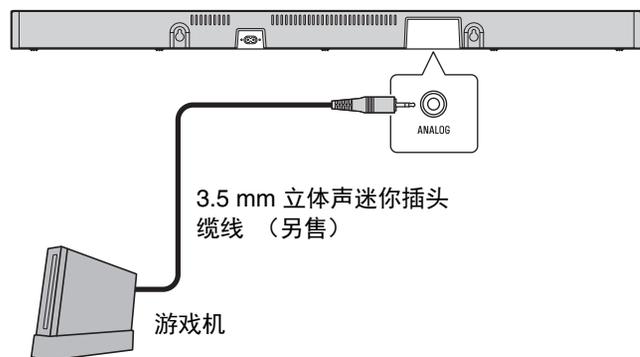
- 将 HDMI 缆线连接到电视上支持音频回传通道功能的插孔（带有“ARC”指示的插孔）。
- 本机关闭（HDMI 信号直通）时，播放设备中的视频和音频内容也可以从电视输出。

### 什么是音频回传通道功能（ARC）？

为了本机可以播放电视的音频，必须使用音频缆线和 HDMI 缆线将电视连接至本机。但是如果电视支持音频回传通道（ARC），则电视音频信号可以通过从本机输出视频信号至电视的 HDMI 缆线输入至本机。

## 2 通过模拟插孔连接游戏机

将例如游戏机或电视等不具有光纤数字音频输出的外部设备连接至中央设备的 ANALOG 输入插孔。

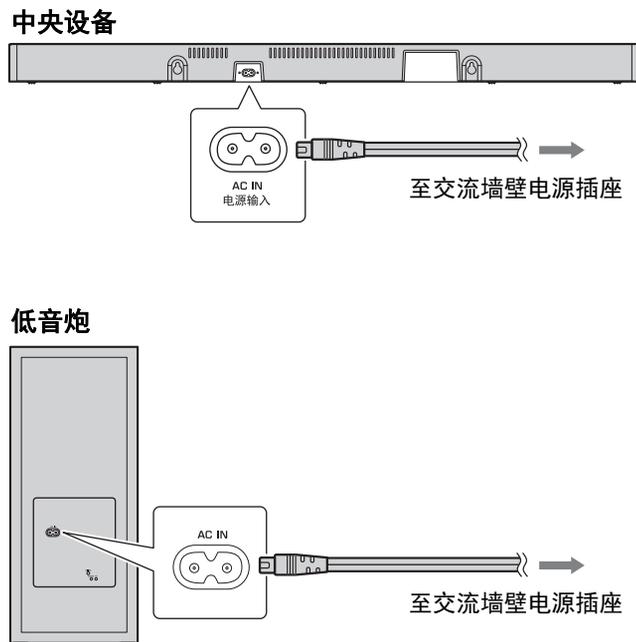


### 注意

- 如果可以使用连接至本机的 ANALOG 输入插孔的设备调节音量，则将设备的音量设置为与连接至本机的 HDMI 插孔的其他设备相同的音量，以防止声音比预想的大。

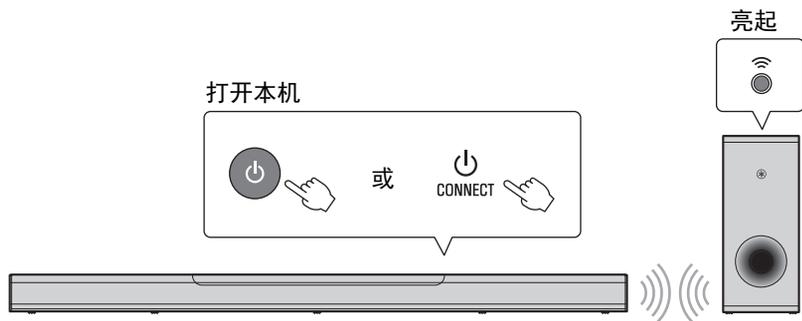
## 3 连接电源线

所有连接完成后，将附带的电源线分别连接至中央设备和低音炮的电源输入（AC IN）插孔并将电源线插头插入到墙壁交流电源插座中。



## 4 打开本机

按遥控器上的 （电源）键或触摸中央设备上的 /CONNECT。本机打开，中央设备和低音炮通过无线连接自动连接。成功建立连接时，低音炮后面板上的  指示灯亮起，同时本机也做好了播放的准备。



### 注

- 如果低音炮上的  指示灯未正常亮起，请参阅使用说明书中的“低音炮没有声音”。

# 操作

## 遥控器信号传输器

传输红外信号。



### 1

#### ⏻ (电源) 键

打开或关闭本机。

#### 中央设备

##### 打开



最后所选择的输入源的指示灯会亮起。

指示环绕声设定、网络或 Bluetooth 连接状态。

##### 关闭/网络待机



#### 低音炮

##### 打开



##### 关闭/网络待机



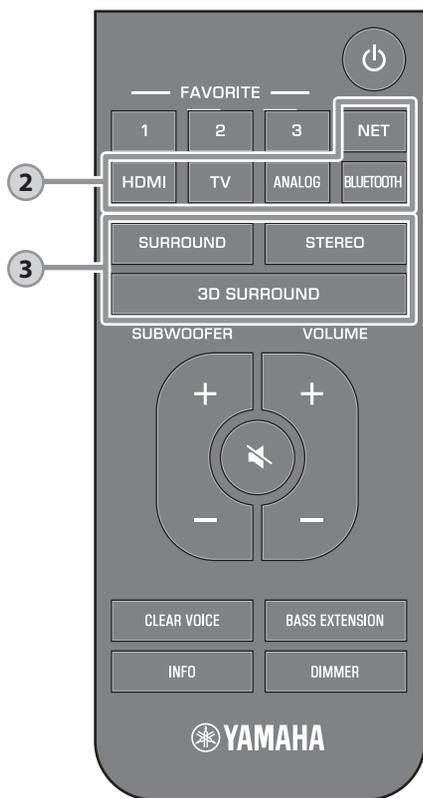
#### 注

- 在购买后首次开启本机时，中央设备上的 Wi-Fi 指示灯会缓慢闪烁。



当 Wi-Fi 指示灯闪烁时，您 iOS 设备（iPhone 等）上的网络设置可以应用在本机上以将本机连有关设置的详细信息，请参阅使用说明书中的“使用 WAC 功能连接至网络”。如果不使用则请按遥控器上的任意键取消此功能。

如果本机的 NETWORK 插孔使用电缆连接至路由器（有线连接），则 Wi-Fi 指示灯不会闪烁。



2

### 输入按钮

选择要播放的输入源。

**TV** ..... 电视音频或连接至本机的 TV 输入插孔的设备发出的声音

**HDMI** ..... 连接至 HDMI 输入插孔的设备发出的声音

**ANALOG** ..... 连接至 ANALOG 输入插孔的设备发出的声音

**BLUETOOTH** .. Bluetooth 所连接设备发出的声音

**NET** ..... 通过网络获取的音频

所选择的输入源的指示灯会亮起。

(例如：当选择了 TV 时)



### 注

- 若要播放连接至电视的播放设备的音频或观看播放设备的视频，请将电视的输入源设置为播放设备。
- 有关播放 Bluetooth 设备上存储的音乐文件的详情，请参阅使用说明书中的“欣赏存储在 Bluetooth® 装置上的音乐”。
- 有关通过网络播放内容的详情，请参阅使用说明书中的以下内容：
  - “使用 AirPlay 播放音乐”
  - “播放存储在媒体服务器（电脑或 NAS）上的音乐”
  - “收听网络广播电台”
  - “收听流媒体服务”
  - “播放存储在移动装置上的音乐”

3

### 3D SURROUND、SURROUND 和 STEREO 按钮

切换至 3D 环绕声播放、环绕声播放和立体声（双声道）播放。

#### 3D SURROUND 按钮

切换到 3D 环绕声播放。选择 3D 环绕声时，借助 DTS Virtual:X，不仅可从水平方向聆听，还可从不同高度进行聆听。

■ 亮起蓝色

SURROUND

#### SURROUND 按钮

切换到环绕声播放。

■ 亮起白色

SURROUND

#### STEREO 按钮

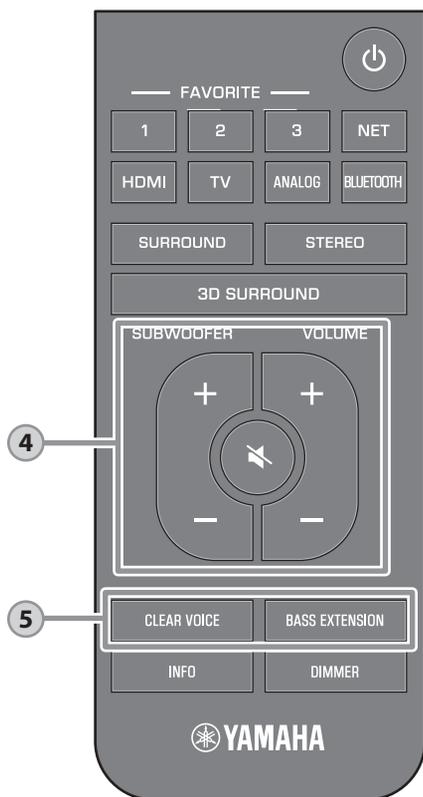
切换至立体声（双声道）播放。

□ 熄灭

SURROUND

### 注

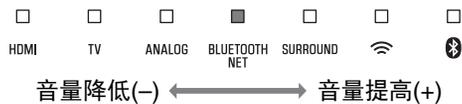
- 当本机连接至网络且通过应用程序 (第41页) 注册为支持 MusicCast 的设备时，可使用移动设备上安装的专用 MusicCast CONTROLLER 应用程序选择 TV Program、Movie、Music、Sports 或 Game 环绕声模式。



4

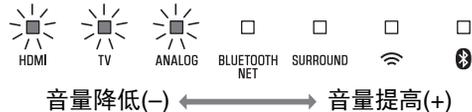
### SUBWOOFER (+/-) 按钮

调节低音炮的音量。



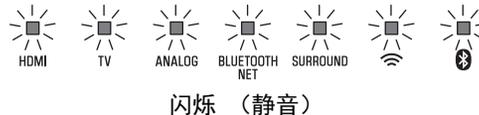
### VOLUME (+/-) 按钮

调整本机的音量。



### 静音 (静音) 按钮

使音频输出静音。再次按此按钮可以取消静音。



5

### CLEAR VOICE 按钮

启用 / 禁用清晰语音功能。

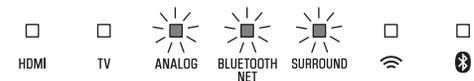
如果启用了此功能，则例如电影中 and 电视节目、新闻和体育评论等中的人声会播放得很清晰。



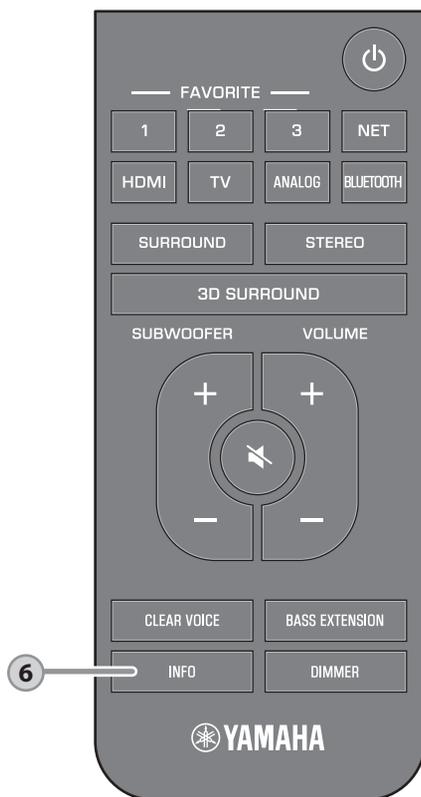
已启用: 闪烁三次然后熄灭  
已禁用: 闪烁一次然后熄灭

### BASS EXTENSION 按钮

启用 / 禁用低音扩展功能。此功能启用时，您可以享受到强劲有力的低音音效。



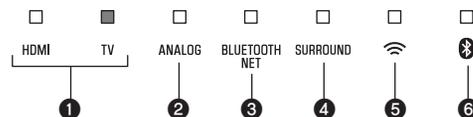
已启用: 闪烁三次然后熄灭  
已禁用: 闪烁一次然后熄灭



## 6

### INFO 按钮

按 INFO 以确认播放的音频信号的类型，以及低音扩展功能等功能的设置。本机上的指示灯将在按下 INFO 后的三秒显示以下音频信息。



#### ① 显示音频信号的类型。

HDMI 亮起（白色）：Dolby Digital  
 HDMI 亮起（红色）：DTS  
 TV 亮起（白色）：AAC  
 HDMI 和 TV 熄灭：PCM/模拟输入/  
 无输入

#### ② 显示启用或禁用 Dolby Pro Logic II。 当用环绕声播放双声道立体声信号 时，自动启用 Dolby Pro Logic II。

亮起：已启用  
 熄灭：已禁用

#### ③ 显示低音扩展功能设置。

亮起：已启用  
 熄灭：已禁用

#### ④ 显示清晰语音功能设置。

亮起：已启用  
 熄灭：已禁用

#### ⑤ 显示网络待机功能设置。

亮起：已启用  
 熄灭：已禁用

#### ⑥ 显示 Bluetooth 功能设置。

亮起（蓝色）：已启用  
 熄灭：已禁用



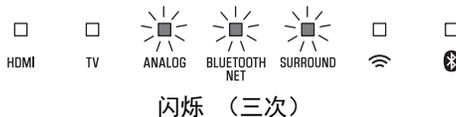
7

### FAVORITE (1-3) 按钮

使用 FAVORITE 按钮将通过网络（网络广播电台、媒体服务器上存储的音乐文件等）播放的输入源登记为收藏夹。

用 FAVORITE 按钮登记收藏夹

- 1 播放待登记的输入源。
- 2 按住 FAVORITE 1、2 或 3 至少三秒。



播放最喜欢的输入源

- 1 按已分配输入源的 FAVORITE 1、2 或 3。

注

- 使用遥控器分配至 FAVORITE 1、2 或 3 的收藏夹也将被分配至 MusicCast CONTROLLER 应用程序“收藏夹”1、2 和 3。如果收藏的 1、2 或 3 随本机或 MusicCast CONTROLLER 应用程序而调整，相应的收藏夹也会随另一个自动调整。

8

### DIMMER 按钮

更改指示灯亮度。每次按此 DIMMER，指示灯的亮度如下改变。

暗（默认设置）→ 关 → 亮

刚刚操作后指示灯会明亮点亮，在几秒钟后会更改为指定的亮度。

# 连接至网络

## 网络功能和 MusicCast CONTROLLER 应用程序

网络连接可以使您通过本机收听网络广播网站或音乐流媒体服务，并使用 AirPlay 播放音乐文件或播放电脑（媒体服务）上存储的音乐文件。大部分播放操作需要使用移动设备上的“MusicCast CONTROLLER”应用程序。在移动设备上安装并使用 MusicCast CONTROLLER 应用程序可播放音乐文件。

网络连接播放的进程如下所示。

① 选择有线网络连接（第40页）或无线网络连接（第41页）。



② 使用 MusicCast CONTROLLER 应用程序将本机连接至网络，并将本机注册为启用 MusicCast 的设备（第41页）。



③ 使用 MusicCast CONTROLLER 应用程序\*以通过网络播放音乐。有关通过网络播放音乐的详情，请参阅使用说明书。

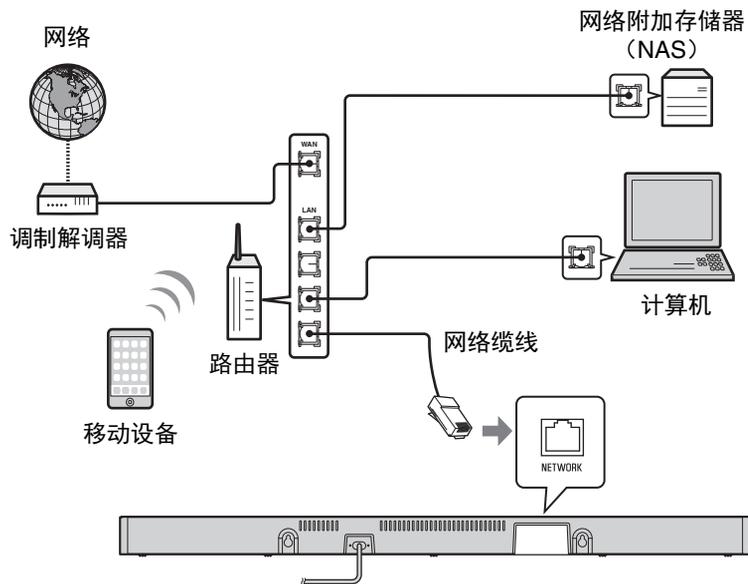
\* AirPlay 可以用于在不使用 MusicCast CONTROLLER 应用程序的情况下播放音乐文件。

### 注

- 若要使用网络功能，本机、电脑和移动设备必须连接至相同的路由器。
- 当使用多重 SSID 路由器时，接入本机可能会根据 SSID 的连接而被禁止。请将本机和移动设备连接至同一 SSID。
- 电脑上安装的某些安全软件或网络设备的设置（例如防火墙）可能会阻碍本机连接至电脑或网络广播网站。如果出现这种情况，请更改安全软件和 / 或网络设备设置。
- 如果您的路由器上的 MAC 地址过滤器已经启用，则无法建立网络连接。请检查路由器设置。
- 如要手动配置您路由器的子网掩码，请将本机使用的相同的子网掩码用于所有设备。
- 使用网络服务时建议使用宽带连接。
- 本机无法连接至需要手动设置的网络。将本机连接至启用了 DHCP 的路由器。

## 有线网络连接

如要使用有线网络连接，则需要通过 STP 网络电缆（5 类或更高的直线网络电缆；另售）将本机连接至路由器。

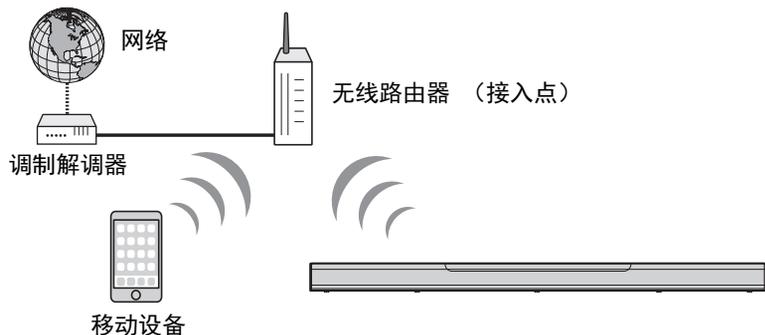


### 注

- 如果网络连接或设置更改，请使用 MusicCast CONTROLLER 应用程序将本机连接至网络并再次将本机注册为启用 MusicCast 的设备（第41页）。

## 无线网络连接

将本机连接至无线路由器（接入点）以使用网络。



当本机连接至无线网络时，本机上的  指示灯会亮起。



### 注

- 如果本机与无线路由器（接入点）距离过远，则本机可能无法连接至无线路由器（接入点）。此时请缩短二者之间的距离。

## 连接 MusicCast CONTROLLER 应用程序（将本机注册为启用 MusicCast 的设备）

在移动设备上安装 MusicCast CONTROLLER 应用程序以将本机连接至网络并将其注册为启用 MusicCast 的设备。

### 注

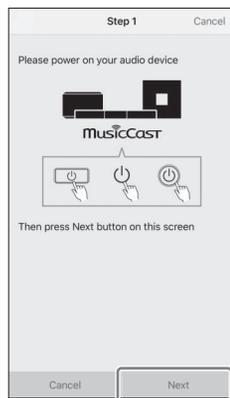
- 开始前确认移动设备已经连接至您的家庭路由器。
- 本节通过 iPhone 上的英文显示的 MusicCast CONTROLLER 应用程序作为示例。
- MusicCast CONTROLLER 应用程序画面和菜单标签如有变更，恕不另行通知。

**1** 在您的智能手机上安装 MusicCast CONTROLLER 应用程序，然后打开应用程序。  
在 App Store 上搜索“MusicCast CONTROLLER”。

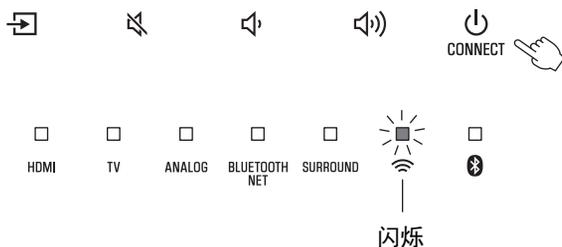
**2** 轻击“设置”。



### 3 开启本机，然后轻击“下一步”。



### 4 按住 $\mathcal{O}$ /CONNECT 直至本机上的 $\mathcal{W}$ 指示灯开始闪烁。



### 5 按照屏幕上的指示配置网络设置。

#### 注

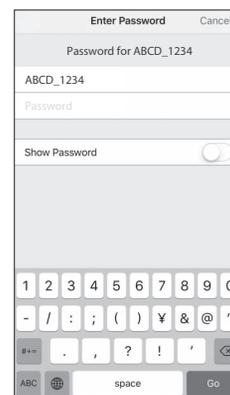
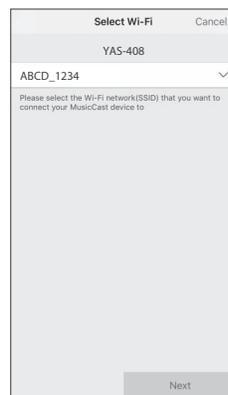
• 当显示如下屏幕时，请按照屏幕上的指示配置网络设定。



1. 使用移动设备上的主页按钮返回至主画面。
2. 从“Settings”中选择“Wi-Fi”。
3. 从“CHOOSE A NETWORK...”中选择“MusicCastSetup”。如果屏幕指示提示您输入 MusicCastSetup 密码，输入屏幕上显示的密码。
4. 使用主页按钮返回至 MusicCast CONTROLLER 应用程序。

• 当显示例如左下角屏幕时，选择本机需要连接的网络并输入路由器密码（加密键）。

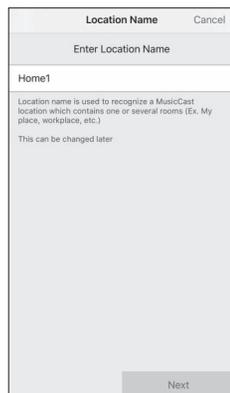
路由器密码（加密键）一般记录在路由器上。有关详细信息，请参阅路由器随附的文档。



## 6 若要将本机注册为启用 MusicCast 的设备，请配置以下项目。

- 位置名称（“家里”、“约翰家”等）
- 安装本机的房间的名称和图片

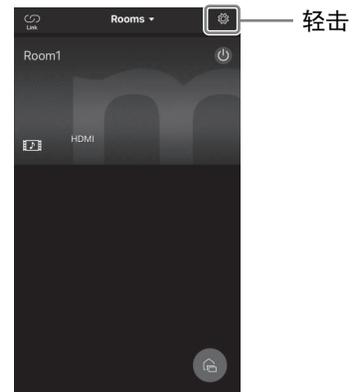
安装本机的位置名称、房间名称和图片日后可以进行更改。



已建立与 MusicCast CONTROLLER 应用程序的网络连接，且本机注册为 MusicCast 启用装置。

### 注

- 如果使用 MusicCast CONTROLLER 应用程序注册了其他启用 MusicCast 的设备，则轻击房间选择画面中的 ⚙️（设置），然后选择“添加新设备”将本机添加至应用程序。



# 规格

## 规格 (YAS-CU408)

放大器部分		
最大额定输出功率	前 L/R	50 W × 2ch

音箱部分		
前 L/R	类型	气垫式 (非防磁)
	驱动单元	4.6 cm 锥形 × 4
	频率响应	160 Hz 至 9 kHz
	阻抗	4 Ω (8 Ω × 2)
高音单元	驱动单元	2.5 cm 球顶 × 2
	频率响应	9 kHz 至 23 kHz
	阻抗	4 Ω

Decoder	
支持的音频信号 (HDMI/可选输入)	PCM (至多 5.1 声道) Dolby Digital (至多 5.1 声道) DTS Digital Surround (至多 5.1 声道)

输入插孔	
HDMI	1 (HDMI IN)
数字 (光纤)	1 (TV)
模拟 (3.5mm 立体声迷你)	1 (ANALOG)

输出插孔	
HDMI	1 (HDMI OUT (ARC))

其他插孔	
USB	1 (UPDATE ONLY)
LAN	1 (NETWORK)

Bluetooth		
Bluetooth 版本	版本 4.2	
支持的配置文件	A2DP, AVRCP	
支持的标准	Sink: SBC, AAC	
Bluetooth 类别	Bluetooth 类别 2	
范围 (视线)	约 10 m	
支持的内容保护方法	SCMS-T (Sink)	
无线电频率带	英国和欧洲型号	2402 MHz 至 2480 MHz
最大输出功率 (E.I.R.P)	英国和欧洲型号	6.5 dBm (4.5 mW)

网络	
以太网标准	100BASE-TX/10BASE-T
支持的标准	WAV (仅限 PCM 格式) /AIFF/FLAC: 至多 192 kHz ALAC: 至多 96kHz MP3/WMA/MPEG-4 AAC: 至多 48kHz
PC 客户端功能 支持 AirPlay 网络电台	

Wi-Fi			
无线 LAN 标准	IEEE 802.11 a/b/g/n/ac* * 仅限 20 MHz 信道带宽		
无线电频率带	2.4 GHz/5 GHz		
可用的安全方法	WEP, WPA2-PSK (AES), 混合模式		
无线电频率带	英国和欧洲型号	2.4 GHz 频带	2402 MHz 至 2482 MHz (20 MHz)
		5 GHz 频带	5170 MHz 至 5250 MHz (20 MHz) 5250 MHz 至 5330 MHz (20 MHz) 5490 MHz 至 5710 MHz (20 MHz) 5735 MHz 至 5835 MHz (20 MHz)
最大输出功率 (E.I.R.P)	英国和欧洲型号	2.4 GHz 频带	19.2 dBm (83.2 mW)
		5 GHz 频带	5170 MHz 至 5250 MHz (20 MHz): 21.5 dBm (141.3 mW) 5250 MHz 至 5330 MHz (20 MHz): 21.8 dBm (151.4 mW) 5490 MHz 至 5710 MHz (20 MHz): 24.1 dBm (257.0 mW) 5735 MHz 至 5835 MHz (20 MHz): 13.5 dBm (22.4 mW)

一般参数				
电源	美国和加拿大型号	AC 120 V, 60 Hz		
	澳大利亚型号	AC 240 V, 50 Hz		
	欧洲、亚洲和俄罗斯的型号	AC 110 - 240 V, 50/60 Hz		
	英国型号	AC 230 V, 50 Hz		
	台湾型号	AC 110 V, 60 Hz		
	中国型号	AC 220 V, 50 Hz		
	韩国型号	AC 220 V, 60 Hz		
功耗	30 W			
待机功耗	美国、加拿大和台湾型号	HDMI Control Off 和 Network Standby Off	0.4 W	
		HDMI Control Off 和 Network Standby On (有线/Wi-Fi/Bluetooth)	1.6/1.8/1.7 W	
		HDMI Control On 和 Network Standby Off	0.7 W	
		HDMI Control On 和 Network Standby On	2.2 W	
	英国、欧洲型号和其他型号	HDMI Control Off 和 Network Standby Off	0.4 W	
		HDMI Control Off 和 Network Standby On (有线/Wi-Fi/Bluetooth)	1.6/1.8/1.7 W	
		HDMI Control On 和 Network Standby Off	0.7 W	
		HDMI Control On 和 Network Standby On	2.2 W	
		尺寸 (宽 x 高 x 深)	980 x 60 x 110.5 mm	
		重量	2.7 kg	

## 规格 (NS-WSW43)

低音炮的规格如下。

放大器部分	
最大额定输出功率	100 W

音箱部分		
类型	低音反射型 (非磁屏蔽型)	
驱动单元	16 cm 锥形 x 1	
频率响应	40 Hz 至 160 Hz	
阻抗	2 Ω	
无线电频率带	2.4 GHz	
无线电频率带	英国和欧洲型号	2405.35 MHz 至 2477.35 MHz
最大输出功率 (E.I.R.P)	英国和欧洲型号	9.0 dBm (8 mW)
传输范围	10 m (无干扰)	

一般参数		
电源	美国和加拿大型号	AC 120 V, 60 Hz
	欧洲、亚洲和俄罗斯的型号	AC 110 - 240 V, 50/60 Hz
	英国型号	AC 230 V, 50 Hz
	台湾型号	AC 110 V, 60 Hz
	韩国型号	AC 220 V, 60 Hz
	中国型号	AC 220 V, 50 Hz
	澳大利亚型号	AC 240 V, 50 Hz
功耗	19 W	
待机功耗	美国、加拿大和台湾型号	0.8 W
	英国、欧洲型号和其他型号	0.8 W
尺寸 (宽 x 高 x 深)	180 x 417 x 405 mm	
重量	9.4 kg	

### 注

- 本手册的内容为出版时最新的技术规格。若要获得最新的手册，请访问 Yamaha 网站并下载手册文件。





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