

Network Receiver

R-N803

R-N803D

Owner's Manual

musicCast

- The R-N803 and R-N803D network receivers allow you to play back sound in high-quality stereo at your own home.
- This manual explains preparations and operations for everyday users of the unit.

PRECAUTIONS

PLEASE READ CAREFULLY BEFORE USE. BE SURE TO FOLLOW THESE INSTRUCTIONS.

The precautions listed below are to prevent risk of harm to the user and others, as well as to prevent property damage, and to help the user use this unit properly and safely. Be sure to follow these instructions.

After reading this manual, be sure to keep it in a safe place where it can be referenced at any time.

- Be sure to request inspections or repairs from the dealer where you purchased the unit or from qualified Yamaha service personnel.
- Yamaha cannot be held responsible for damage caused by improper use or modifications to the unit.
- This product is for ordinary homes. Do not use for applications requiring high reliability, such as managing lives, health care or high-value assets.

WARNING

This content indicates “risk of serious injury or death.”

■ **Power supply/power cord**

- Do not do anything that could damage the power cord.
 - Do not place it near a heater.
 - Do not bend it excessively or alter it.
 - Do not scratch it.
 - Do not place it under a heavy object.
- Using the power cord with the core of the cord exposed could cause electric shocks or a fire.
- Do not touch the power plug or cord if there is a chance of lightning. Failure to observe this may cause electric shocks.
- Use this unit with the power supply voltage printed on it. Failure to connect to an appropriate AC outlet may cause a fire, electric shocks, or malfunctions.
- Be sure to use the supplied power cord. Also, do not use the supplied power cord for other units. Failure to observe the above may cause a fire, burns, or malfunctions.
- Check the electric plug periodically and remove any dirt or dust which may have accumulated on it. Failure to observe this may cause a fire or electric shocks.
- When setting up the unit, make sure that the AC outlet you are using is easily accessible. If some trouble or malfunction occurs, immediately turn off the power switch and disconnect the plug from the AC outlet. Even when the power switch is turned off, as long as the power cord is not unplugged from the wall AC outlet, the unit will not be disconnected from the power source.
- If you hear thunder or suspect approaching lightning, quickly turn off the power switch and pull the power plug from the AC outlet. Failure to observe this may cause a fire or malfunctions.
- If not using the unit for long periods of time, be sure to pull the power plug from the AC outlet. Failure to observe this may cause a fire or malfunctions.

■ **Do not disassemble**

- Do not disassemble or modify this unit. Failure to observe this may cause a fire, electric shocks, injury, or malfunctions. If you notice any irregularities, be sure to request an inspection or repair from the dealer where you purchased the unit or from qualified Yamaha service personnel.

■ **Water warning**

- Do not expose the unit to rain, use it near water or in damp or wet conditions, or place on it any containers (such as vases, bottles or glasses) containing liquids which might spill into any openings. A liquid such as water getting into the unit may cause a fire, electric shocks, or malfunctions. If any liquid such as water seeps into the device, turn off the power immediately and unplug the power cord from the AC outlet. Then, request an inspection from the dealer where you purchased the unit or from qualified Yamaha service personnel.
- Never insert or remove an electric plug with wet hands. Do not handle this unit with wet hands. Failure to observe this may cause electric shocks or malfunctions.

■ **Fire warning**

- Do not place any burning items or open flames near the unit, since they may cause a fire.

■ **Maintenance and care**

- Do not use aerosols or spray-type chemicals that contain combustible gas for cleaning or lubrication. The combustible gas will remain inside the unit, which may cause explosion or fire.

■ **Battery use**

- Do not disassemble a battery. If the contents of the battery get on your hands or in your eyes, it can cause blindness or chemical burns.
- Do not dispose of batteries in fire. Doing so may result in the battery bursting, causing a fire or injury.
- Do not expose a battery to high temperatures, such as direct sunlight or a fire. The battery may burst, causing a fire or injury.
- Do not attempt to recharge batteries that are not intended to be charged. Charging could cause the battery to burst or leak, which can cause blindness, chemical burns, or injury.
- If the batteries do leak, avoid contact with the leaked fluid. If the battery fluid should come in contact with your eyes, mouth, or skin, wash immediately with water and consult a doctor. Battery fluid is corrosive and may possibly cause loss of sight or chemical burns.

■ **Wireless unit**

- Do not use this unit near medical devices or inside medical facilities. Radio waves from this unit may affect electro-medical devices.
- Do not use this unit within 15 cm (6 in) of persons with a heart pacemaker implant or a defibrillator implant. Radio waves from this unit may affect electro-medical devices, such as a heart pacemaker implant or defibrillator implant.

■ **If you notice any abnormality**

- If any of the following abnormalities occur, immediately turn off the power and disconnect the power plug. If you are using batteries, remove the batteries from this unit.
 - The power cord/plug is damaged.
 - An unusual smell or smoke is emitted from the unit.
 - Foreign material gets into the interior of the unit.

- There is a loss of sound during use.
- There is a crack or damage in the unit.

Continued use could cause electric shocks, a fire, or malfunctions. Immediately request an inspection or repair from the dealer where you purchased the unit or from qualified Yamaha service personnel.

- Be careful not to drop or apply strong impact to this unit. If you suspect the unit may have been damaged due to dropping or impact, immediately turn off the power and pull the power plug from the AC outlet. Failure to observe this may cause electric shocks, a fire, or malfunctions. Immediately request an inspection from the dealer where you purchased the unit or from qualified Yamaha service personnel.

CAUTION

This content indicates “risk of injury.”

■ Power supply/power cord

- Do not use an AC outlet where the power plug fits loosely when inserted. Failure to observe this may cause a fire, electric shocks, or burns.
- When removing the electric plug from the unit or an AC outlet, always hold the plug itself and not the cord. Pulling by the cord can damage it and cause electric shocks or a fire.
- Insert the power plug firmly all the way into the AC outlet. Using the unit when it is not plugged in sufficiently can cause dust to accumulate on the plug, causing a fire or burns.

■ Installation

- Do not place the unit in an unstable position where it might accidentally drop or fall over and cause injuries.
- Do not block this unit's ventilation holes (cooling slits). This unit has ventilation holes on the top/bottom to prevent the internal temperature from becoming too high. Failure to observe this may trap heat inside the unit, causing a fire or malfunctions.
- When installing this unit:
 - Do not cover it with any cloth.
 - Do not install it on a carpet or rug.
 - Make sure the top surface faces up; do not install on its sides or upside down.
 - Do not use the device in a confined, poorly-ventilated location.

Failure to observe the above may trap heat inside the unit, causing a fire or malfunctions. Ensure that there is adequate space around the unit: at least 30 cm (11-3/4 in) on top, 20 cm (7-7/8 in) on the sides, and 20 cm (7-7/8 in) on the rear.

- Ensure that the top is facing upwards. Failure to observe this may cause malfunctions or for the unit to fall and cause injury.
- Do not place the unit in a location where it may come into contact with corrosive gases or salt air. Doing so may result in malfunction.
- Avoid being near the unit during a disaster, such as an earthquake. Since the unit may turn over or fall and cause injury, quickly move away from the unit and go to a safe place.
- Before moving this unit, be sure to turn off the power switch and disconnect all connection cables. Failure to observe this may damage the cables or cause you or someone else to trip and fall.
- When transporting or moving the unit always use two or more people. Attempting to lift the unit by yourself may damage your back, result in other injury, or cause damage to the unit itself.

■ Hearing loss

- Do not use the unit/speakers or headphones for a long period of time at a high or uncomfortable volume level, since this can cause permanent hearing loss. If you experience any hearing loss or ringing in the ears, consult a physician.
- Before connecting the unit to other devices, turn off the power for all devices. Also, before turning the power of all devices on or off, make sure that all volume levels are set to the minimum. Failing to do so may result in hearing loss, electric shock, or device damage.
- When turning on the AC power in your audio system, always turn on the unit LAST, to avoid hearing loss and speaker damage. When turning the power off the unit should be turned off FIRST for the same reason. Failure to observe the above may cause hearing impairment or speaker damage.

■ Maintenance

- Remove the power plug from the AC outlet when cleaning the unit. Failure to observe this may cause electric shocks.

■ Handling caution

- Do not insert foreign materials such as metal or paper into the ventilation holes of this unit. Failure to observe this may cause a fire, electric shocks, or malfunctions. If foreign material gets into the unit, immediately shut off the power and pull the power plug from the AC outlet / then turn off any amplifiers and receivers and request an inspection from the dealer where you purchased the unit or from qualified Yamaha service personnel.
- Do not rest your weight on the unit or place heavy objects on it. Avoid applying excessive force to the buttons, switches or connectors. Failure to observe the above may cause injury or unit damage.
- Avoid pulling the connected cables to prevent injuries or damage to the unit by causing it to fall.

■ Battery use

- Always replace all batteries at the same time. Do not use new batteries together with old ones. Using new ones with old ones could cause a fire, burns, or inflammation due to fluid leaks.
- Do not mix battery types, such as alkaline batteries with manganese batteries, or batteries from different makers, or different types of batteries from the same maker, since this can cause a fire, burns, or inflammation due to fluid leaks.
- Keep batteries away from children. A child could accidentally swallow a battery. Failure to observe this may also cause inflammation due to battery fluid leaks.
- Do not put in a pocket or bag, carry, or store batteries together with pieces of metal. The battery could short, burst, or leak, causing a fire or injury.
- Always make sure all batteries are inserted in conformity with the +/- polarity markings. Failure to do so might result in a fire, burns, or inflammation due to fluid leaks.
- When the batteries run out, or if the unit is not to be used for a long time remove the batteries from the remote control to prevent possible leakage of the battery fluid.
- When storing or discarding batteries, insulate the terminal area by applying tape, or some other protection. Mixing them with other batteries or metal objects can cause a fire, burns, or inflammation due to fluid.



Caution

Do not touch the surface marked with this label.
The surface may become hot during operation.

Notice and Information

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.

■ Power

- If not using the unit for a long period of time, be sure to pull the power plug from the outlet. Even if the ⏻ (Standby/On) switch has been turned off, a minute current is still flowing.

■ Installation

- Do not use this unit in the vicinity of other electronic equipment, such as a TV, radio, AV unit, or mobile phone. Failure to observe this may cause this unit or the TV or radio to produce noise.
- Do not use this unit in a location that is exposed to direct sunlight (such as a vehicle interior), that becomes extremely hot, such as near a heater, or extremely cold, or that is subject to excessive dust or vibration. Failure to observe this may cause the unit's panel to become deformed, the internal components to malfunction, or for operation to become unstable.
- Install this unit as far away from other electronic equipment as possible. Digital signals from this unit may interfere with other electronic equipment.
- If using a wireless function, avoid installing this unit near metal walls or desks, microwave ovens, or other wireless devices.

■ Connections

- If connecting external units, be sure to thoroughly read the manual for each unit and connect them in accordance with the instructions. Failure to properly handle a unit in accordance with the instructions could cause malfunctions.
- Do not connect this unit to industrial units. Digital audio interface standards for consumer use and industrial use are different. This unit has been designed to connect to a consumer-use digital audio interface. Connections to an industrial-use digital audio interface could not only cause this unit to malfunction, but could also damage the speakers.

■ Handling

- Do not place vinyl, plastic, or rubber products on this unit. Failure to observe this may cause discoloration or deformation in the panel of this unit.
- If the ambient temperature changes drastically (such as during unit transportation or under rapid heating or cooling) and there is a chance condensation may have formed in the unit, leave the unit for several hours without turning on the power until it is completely dry before use. Using the unit while there is condensation can cause malfunctions.

■ Maintenance

- When cleaning the unit, use a dry, soft cloth. Using chemicals such as benzine or thinner, cleaning agents, or chemical scrubbing cloths can cause discoloration or deformation.

■ Batteries

- Be sure to discard used batteries in accordance with local regulations.

Information

Indicates information of note regarding this product.

■ About content in this manual

- The illustrations and screens in this manual are for instructional purposes only.
- The company names and product names in this manual are the trademarks or registered trademarks of their respective companies.
- Software may be revised and updated without prior notice.
- Information marked by the “⚠ WARNING” icon indicates points that may lead to death or serious injury if not observed.
- Information marked with the “⚠ CAUTION” icon indicates points that may lead to injury if not observed.
- Information in the “Notice” sections indicates points that you must observe to prevent product failure, damage or malfunction and data loss.
- Information listed in the “Note” sections indicates supplementary information.
- This manual describes the “iPhone”, “iPad” and “iPod touch” collectively as the “iPhone”. (“iPhone” refers to the “iPhone”, “iPad” and “iPod touch”, unless otherwise specified.)
- In this manual, illustrations of English menu screens are used as examples.

Contents

INTRODUCTION

What you can do with this unit	2
Sources that can be played back on this unit	2
Supplied accessories	3
Controls and functions	4
Front panel	4
Front display	6
Rear panel	7
Remote control	8

PREPARATION

Connections	10
Connecting audio devices	10
Connecting the speakers	11
Connecting the FM/AM antennas (R-N803)	13
Connecting the DAB/FM antenna (R-N803D)	13
Connecting the network cable	14
Preparing a wireless antenna	14
Connecting the power cord	14
Turning on the unit	14
Connecting to network	15
Sharing the iOS device setting	16
Configuring with the router's WPS push button	17
Set the wireless network connection manually	18
Connecting a mobile device to the unit directly (Wireless Direct)	19
Verify the network connection status	20
Configuring MusicCast	20

BASIC OPERATION

Playback	22
Playing a source	22
Switching information on the front display	22
Front panel operations	23
Using the sleep timer	24
Listening to FM/AM radio	25
FM/AM tuning	25
Registering favorite radio stations (presets)	25
Radio Data System tuning (U.K. and Europe models only)	28
Listening to DAB radio (R-N803D)	29
Preparing the DAB tuning	29
Selecting a DAB radio station for reception	29
Using preset function	30
Displaying the DAB information	31
Checking reception strength of each DAB channel label	31
Playing back music via Bluetooth	32
Connecting a Bluetooth device (pairing)	32
Playing back Bluetooth device contents	32
Disconnecting a Bluetooth connection	33
Playing back music stored on media servers (PCs/NAS)	34
Setting the media sharing of music files	34
Playback of PC music contents	35
Listening to Internet radio	37
Playing back iPhone/iTunes music via a network (AirPlay)	38
Playback of iPhone/iTunes music contents	38

Playing back music stored on a USB storage device	39
Connecting a USB storage device	39
Playback of USB storage device contents	39
Registering the current playback song/station (Preset function)	41
Registering to a preset	41
Recalling a preset	41
Clearing a preset	41

ADVANCED OPERATION

Optimizing the speaker settings automatically (YPAO)	42
Error messages	44
Warning messages	45
Configuring playback settings for different playback sources (Option menu)	46
Option menu items	46
Configuring various functions (Setup menu)	47
Setup menu items	48
Network	48
Bluetooth	50
YPAO	50
Volume	50
AutoPowerStdby (Auto Power Standby)	51
ECO Mode	51
Configuring the system settings (ADVANCED SETUP menu)	52
ADVANCED SETUP menu items	52
Checking the firmware version (VERSION)	52
Changing the speaker impedance setting (SP IMP.)	52
Selecting the remote control ID (REMOTE ID)	52
Setting tuner frequency step (TU)	53
Restoring the default settings (INIT)	53
Updating the firmware (UPDATE)	53
Updating the unit's firmware via the network	54

ADDITIONAL INFORMATION

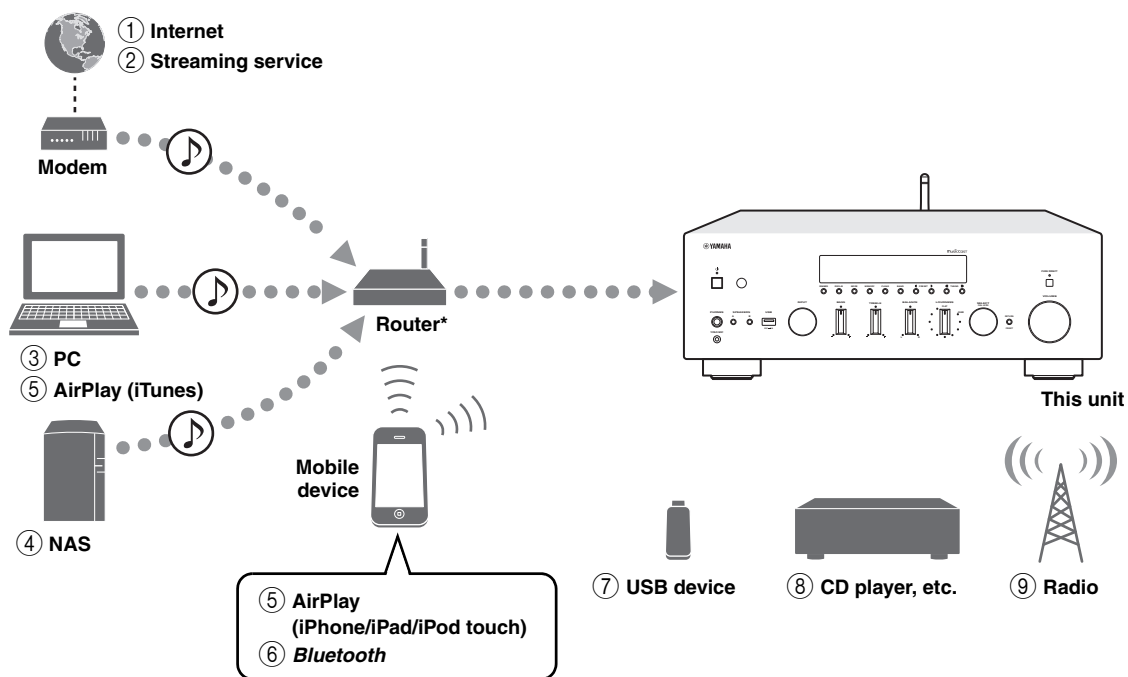
Troubleshooting	55
Error indications on the front display	61
Supported devices and file formats	62
Supported devices	62
Supported file formats	62
Trademarks	63
Specifications	64
Index	66

INTRODUCTION

What you can do with this unit

This unit is a network receiver compatible with a network source such as a media server and mobile device. It supports playback from not only audio sources such as a CD player or radio, but also from Bluetooth devices and network streaming services.

Sources that can be played back on this unit



* You need a commercially available wireless router (access point) when you use a mobile device.

- 1 Play back the Internet radio (p. 37)
- 2 Play back the streaming service (see the supplement for each service.)
- 3 Play back music files stored on your PC (p. 34)
- 4 Play back music files stored on your NAS (p. 34)
- 5 Play back music files stored on your iPod/iTunes with AirPlay (p. 38)
- 6 Play back audio content from Bluetooth devices (p. 32)
- 7 Play back music files stored on your USB device (p. 39)
- 8 Play back your external component (p. 10)
- 9 Listening to radio (p. 25, 29)

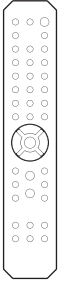
Note

For details on connecting the external devices, see “Connections” (p. 10).

Supplied accessories

Check that the following accessories are supplied with the product.

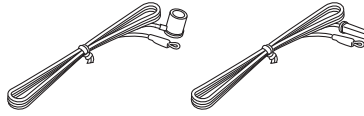
Remote control



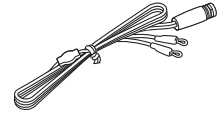
AM antenna (R-N803)



FM antenna (R-N803)

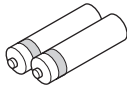


DAB/FM antenna (R-N803D)

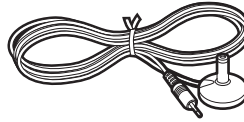


* One of the above is supplied depending on the region of purchase.

Batteries (x2) (AA, R6, UM-3)



YPAO microphone



Power cord

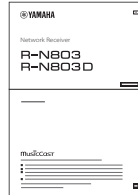


* The supplied power cord varies depending on the region of purchase.

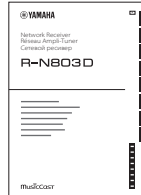
R-N803/R-N803D Owner's Manual CD-ROM (Europe model)



R-N803/R-N803D Owner's Manual (except Europe model)

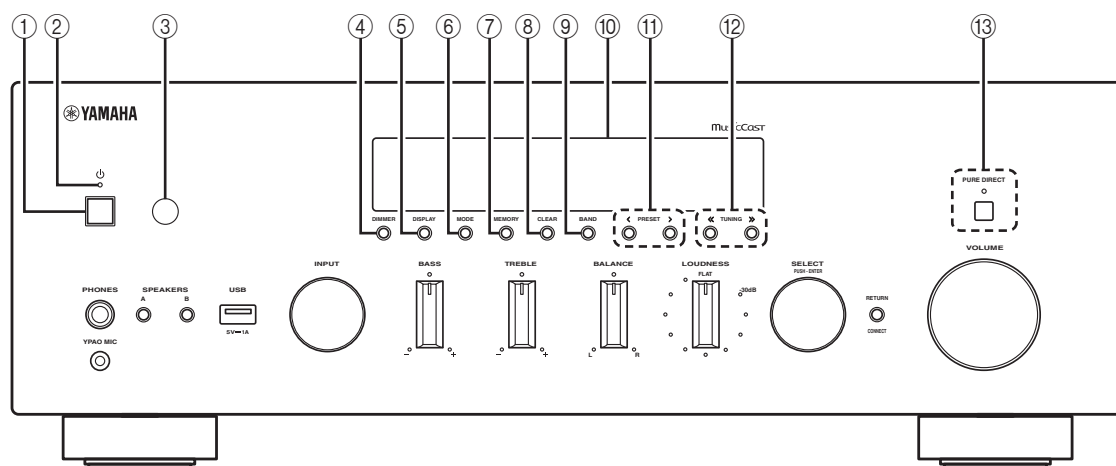


R-N803D Quick Start Guide (Europe model)



Controls and functions

Front panel



① **⏻ (power)**

Turns on/off the unit.

② **Power indicator**

Brightly lit: Power is on
Dimly lit: Standby mode
Tuned off: Power is off

Note

When not using this unit for an extended period of time, be sure to unplug it from the power outlet. This unit uses a minimal amount of power even in standby mode.

③ **Remote control sensor**

Receives infrared signals from the remote control.

④ **DIMMER**

Changes the brightness level of the front display. Choose brightness from 5 levels by pressing this button repeatedly.

⑤ **DISPLAY**

Selects the information displayed on the front display (p. 22).

⑥ **MODE**

Sets the FM band reception mode to automatic stereo or monaural (p. 25).

⑦ **MEMORY**

Registers the current radio station as a preset when TUNER is selected as the input source (p. 25, 30).
Registers the current playback song or streaming station as a preset when NET or USB is selected as the input source (p. 41).

⑧ **CLEAR**

Clears a preset radio station when TUNER is selected as the input source (p. 27, 30).
Clears a preset song or a preset streaming station when NET or USB is selected as the input source (p. 41).

⑨ **BAND**

Sets the radio tuner band when TUNER is selected as the input source. (p. 25, 29)

⑩ **Front display**

Shows information about the operational status of this unit (p. 6).

⑪ **PRESET </>**

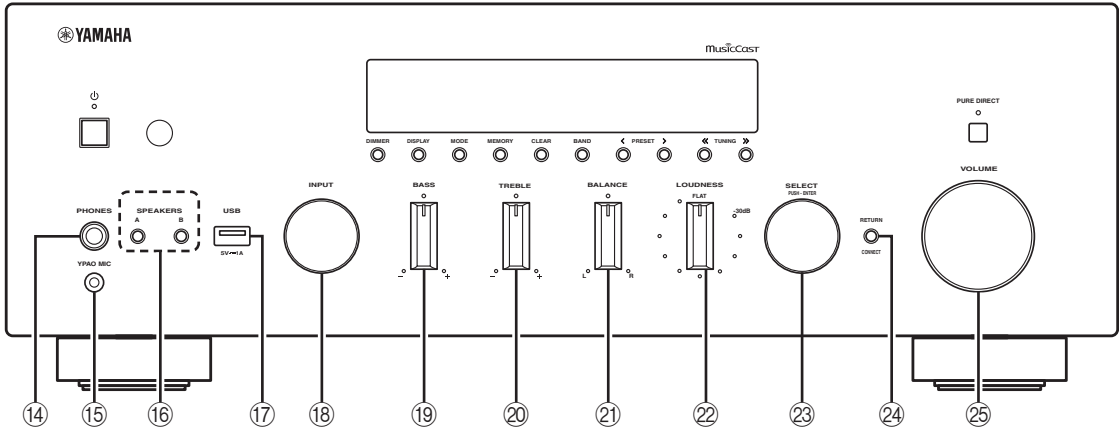
Recalls a preset radio station (p. 27, 30) or song/streaming station (p. 41).

⑫ **TUNING <</>>**

Selects the tuning frequency (p. 25) or a DAB radio station (p. 29) when TUNER is selected as the input source.

⑬ **PURE DIRECT and indicator**

Allows you to listen to a source in the purest possible sound (p. 23). The indicator above it lights up and the front display turns off when this function is turned on.



⑭ **PHONES jack**

Outputs audio to your headphones for private listening.

⑮ **YPAO MIC jack**

For connecting the supplied YPAO microphone (p. 42).

⑯ **SPEAKERS A/B**

Turns on or off the speaker set connected to the SPEAKERS A and/or SPEAKERS B terminals on the rear panel each time the corresponding button is pressed.

⑰ **USB jack**

For connecting a USB storage device (p. 39).

⑱ **INPUT selector**

Selects the input source you want to listen to.

⑲ **BASS control**

Increases or decreases the low frequency response. The center position produces a flat response (p. 23).

⑳ **TREBLE control**

Increases or decreases the high frequency response. The center position produces a flat response (p. 23).

㉑ **BALANCE control**

Adjusts the sound output balance of the left and right speakers to compensate for sound imbalances caused by speaker locations or listening room conditions (p. 23).

㉒ **LOUDNESS control**

Retains a full tonal range at any volume level (p. 24).

Note

The LOUDNESS control does not function when the YPAO Volume function (p. 50) is enabled.

㉓ **SELECT/ENTER**

Turn the dial to select a numeric value or setting, and press the dial to confirm.

㉔ **RETURN**

Returns to the previous indication of the front display.

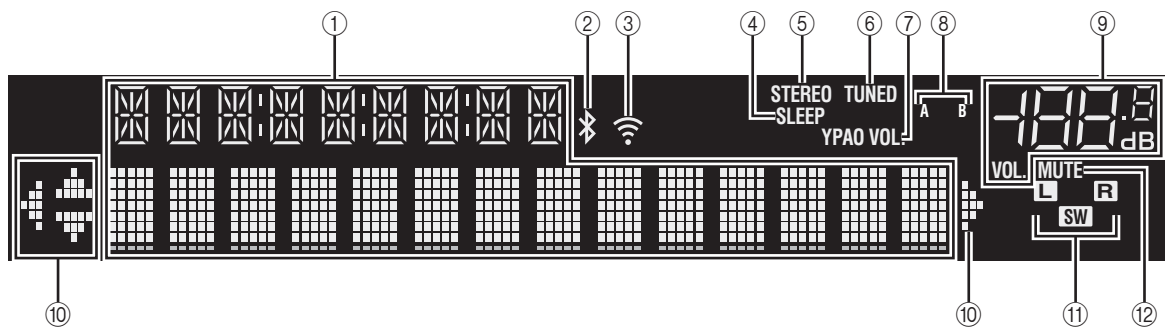
CONNECT

Use to register this unit to the MusicCast network (p. 20).

㉕ **VOLUME control**

Increases or decreases the sound output level.

Front display



Note

- If you turn on the power to the unit right after you purchase or initialize it, the unit will display “WAC” (Wireless Accessory Configuration) on the front display and trigger an automatic iOS device search. See “Sharing the iOS device setting” (p. 16) for details on the iOS device and network connection.
- You can change the brightness level of the front display by pressing DIMMER on the front panel (p. 4).

① Information display

Displays the current status (such as input name). You can switch the information that is displayed when you press DISPLAY on the front panel (p. 22).

② Bluetooth indicator

Lights up when the unit is connecting to a *Bluetooth* device.

③ Signal strength indicator

Lights up when the unit connects to a wireless network or operates as an access point. The strength of the wireless network signal can be verified by the indicator status.

④ SLEEP indicator

Lights up when the sleep timer is on (p. 24).

⑤ STEREO indicator

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

⑥ TUNED indicator

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

⑦ YPAO VOL. indicator

Lights up when the YPAO volume (p. 50) function is enabled.

The YPAO volume function is automatically enabled after YPAO is performed.

⑧ A/B indicators

“A” lights up when the SPEAKERS A output is enabled and “B” lights up when the SPEAKERS B output is enabled.

⑨ Volume indicator

Indicates the current volume.

⑩ Cursor indicators

Indicate the remote control cursor keys currently operational.

⑪ Speaker indicators

Indicate the speakers from which signals are output during YPAO.

L Front speaker (L)

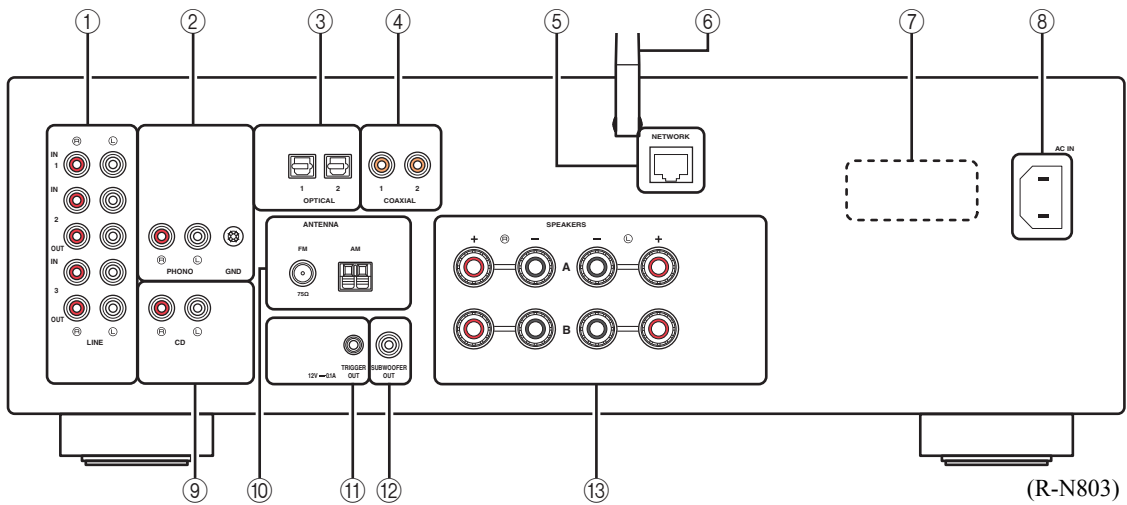
R Front speaker (R)

SW Subwoofer

⑫ MUTE indicator

Blinks when audio is muted.

Rear panel



① **LINE 1-3 jacks**

For connecting to analog audio components (p. 10).

② **PHONO jacks**

For connecting to a turntable (p. 10).

③ **OPTICAL 1/2 jacks**

For connecting to audio components equipped with optical digital output (p. 10).

④ **COAXIAL 1/2 jacks**

For connecting to audio components equipped with a coaxial digital output (p. 10).

⑤ **NETWORK jack**

For connecting to a network with a network cable (p. 14).

⑥ **Wireless antenna**

For connecting to a network device wirelessly (p. 14).

⑦ **VOLTAGE SELECTOR (General models only)**

Selects the switch position according to your local voltage (p. 14).

⑧ **AC IN jack**

For connecting the supplied power cord (p. 14).

⑨ **CD jacks**

For connecting to a CD player, etc. (p. 10).

⑩ **ANTENNA terminals**

For connecting to the radio antennas (p. 13).

⑪ **TRIGGER OUT jacks**

For connecting to a subwoofer that supports the trigger function (p. 10).

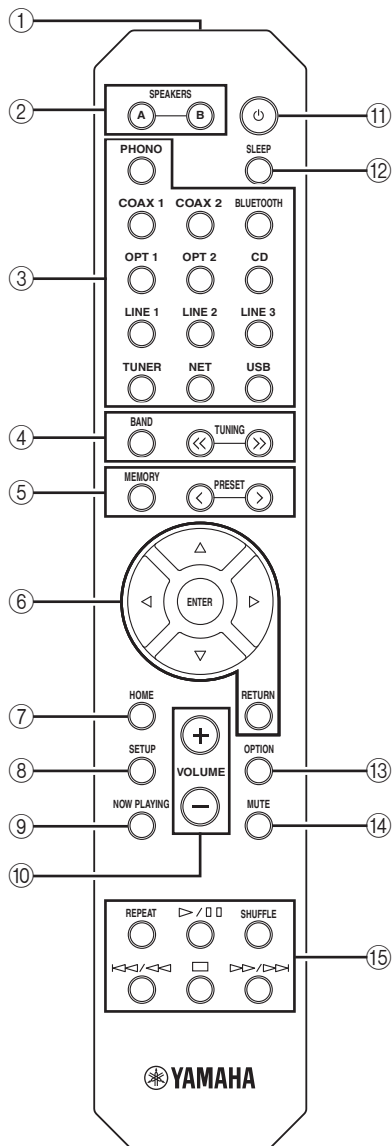
⑫ **SUBWOOFER OUT jack**

For connecting to a subwoofer with built-in amplifier (p. 10).

⑬ **SPEAKERS terminals**

For connecting to speakers (p. 10).

Remote control



① Infrared signal transmitter

Sends infrared signals.

② SPEAKERS A/B

Turns on and off the set of speakers connected to the SPEAKERS A and/or SPEAKERS B terminals on the rear panel of this unit when the corresponding key is pressed.

③ Input selection keys

Select an input source for playback.

PHONO PHONO jacks
COAX 1/2 COAXIAL 1/2 jacks
BLUETOOTH Bluetooth connection
OPT 1/2 OPTICAL 1/2 jacks
CD CD jacks
LINE 1-3 LINE 1-3 jacks
TUNER (R-N803) FM/AM tuner
 (R-N803D) FM/DAB tuner

NET Network source (press repeatedly to select a desired network source)

USB USB jack (on the front panel)

④ Radio keys

Operate the radio.

BAND Sets the radio tuner band when TUNER is selected as the input source. (p. 25, 29)

TUNING <<>> Selects the tuning frequency (p. 25) or a DAB radio station (p. 29) when TUNER is selected as the input source.

⑤ Preset keys

MEMORY Registers the current radio station as a preset when TUNER is selected as the input source (p. 25, 30).

Registers the current playback song or streaming station as a preset when NET or USB is selected as the input source (p. 41).

PRESET <> Recalls a preset radio station (p. 27, 30) or song/streaming station (p. 41).

⑥ Menu operation keys

Cursor keys Select menus and parameters, etc.

(Δ/▽/◀▶)

ENTER Confirms a selected item.

RETURN Returns to the previous state.

⑦ HOME

Moves up top level when selecting music files, folders, etc.

⑧ SETUP

Displays the “Setup” menu (p. 47).

⑨ NOW PLAYING

Displays music information when selecting music files, folders, etc.

⑩ VOLUME +/-

Adjust the volume.

⑪ **⏻ (power)**

Turns on/off (standby) the unit.

Note

The ⏻ (power) key on the remote control works only when the ⏻ (power) on the front panel is on.

⑫ **SLEEP**

Sets the sleep timer (p. 24).

⑬ **OPTION**

Displays the “Option” menu (p. 46).

⑭ **MUTE**

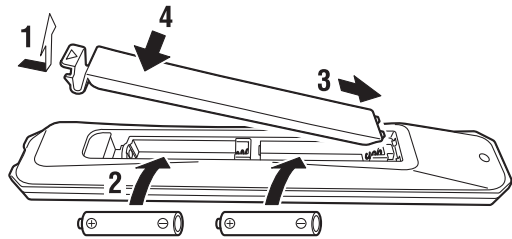
Mutes the audio output.

⑮ **Playback keys**

Let you play back and perform other operations for network sources, *Bluetooth* devices and USB devices.

Note

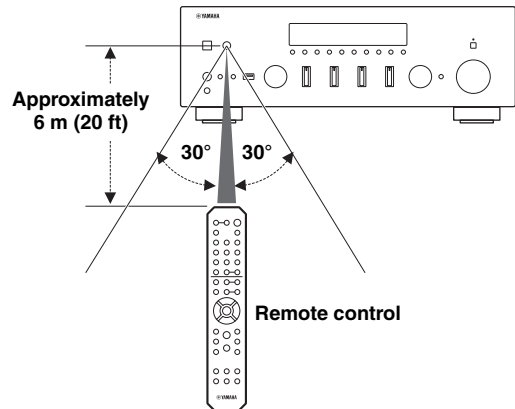
The playback keys may not work depending on the *Bluetooth* device.

■ **Installing batteries****Note**

- Change all batteries if the operation range of the remote control narrows.
- Before inserting new batteries, wipe the compartment clean.

■ **Operation range**

The remote controls transmit a directional infrared beam. Be sure to aim the remote controls directly at the remote control sensor on the front panel of this unit.



PREPARATION

Connections

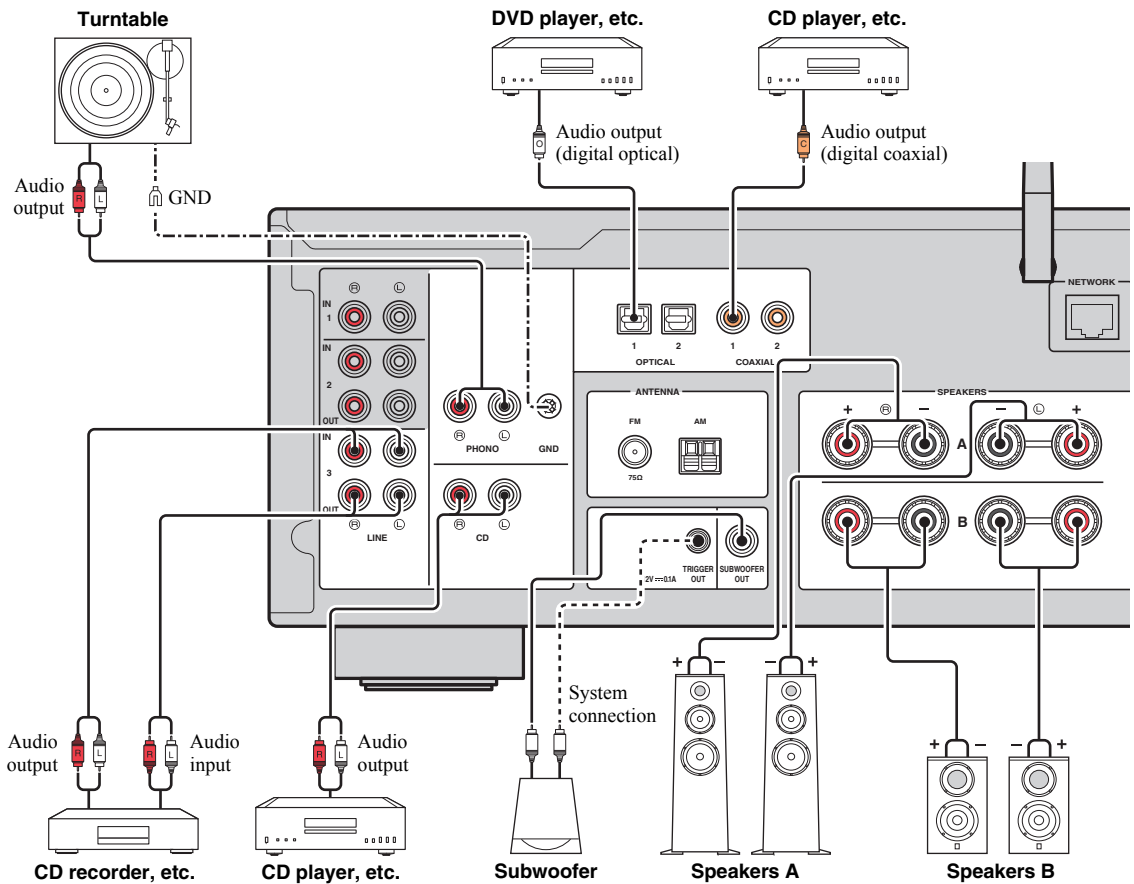
Connecting audio devices

Make sure to connect L (left) to L, R (right) to R, “+” to “+” and “-” to “-”. If the connections are faulty, no sound will be heard from the speakers, and if the polarity of the speaker connections is incorrect, the sound will be unnatural and lack bass. Refer to the owner’s manual for each of your components.

Make sure to use RCA cables, optical cables, or coaxial cables to connect audio components.

CAUTION

- Do not connect this unit or other components to the main power until all connections between components are complete.
- Do not let bare speaker wires touch each other or any metal part of this unit. This could damage this unit and/or the speakers.



Only PCM signals can be input to the digital (OPTICAL/COAXIAL) jacks of this unit.

Note

- Do not bundle audio cables and speaker cables together with the power cable. Doing so may generate noise.
- The PHONO jacks are designed for connecting a turntable with an MM cartridge.
- Connect your turntable to the GND terminal to reduce noise in the signal. However, for some turntables, you may hear less noise without the GND connection.
- If you have a Yamaha subwoofer that supports a system connection, you can switch the power of the subwoofer in conjunction with tuning on/off this unit by connecting the subwoofer to the TRIGGER OUT jack with a monaural mini-plug cable.
- In order to prevent the audio signal from looping when an audio recording device is connected, the audio signal is not output from the LINE 2 (OUT) jacks when LINE 2 is selected. Similarly, the audio signal is not output from the LINE 3 (OUT) jacks when LINE 3 is selected.

Connecting the speakers

⚠ CAUTION

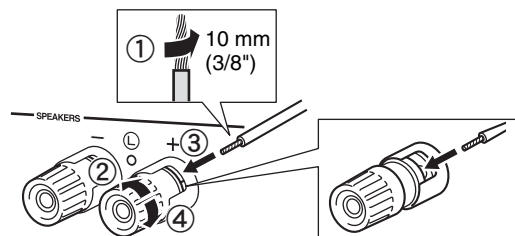
Connect the speakers with impedance as shown below. If you connect speakers with an excessively low impedance, this unit may overheat. You can change the speaker impedance setting of this unit in “SP. IMP” (p. 52) in the ADVANCED SETUP menu.

Speaker connection	Speaker impedance (SP IMP.)	
	4 Ω MIN	8 Ω MIN (Default)
SPEAKERS A or SPEAKERS B	4 Ω or higher	8 Ω or higher
SPEAKERS A and SPEAKERS B	8 Ω or higher	16 Ω or higher
Bi-wire connection	4 Ω or higher	8 Ω or higher

■ 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.

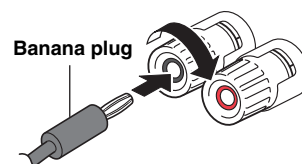
- ① Remove approximately 10 mm (3/8") of insulation from the ends of the speaker cable and twist the bare wires of the cable firmly together.
- ② Loosen the speaker terminal.
- ③ Insert the bare wires of the cable into the gap on the side (upper right or bottom left) of the terminal.
- ④ Tighten the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

**Note**

When inserting speaker cables into the speaker terminals, insert only the bare speaker wire. If insulated cable is inserted, the connection may be poor and sound may not be heard.

■ Connecting via banana plug (North America, Australia, General models only)

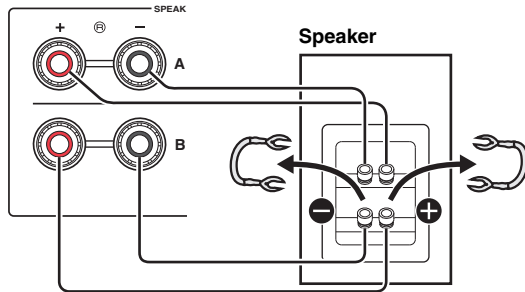
Tighten the knob and then insert the banana plug into the end of the corresponding terminal.



■ Bi-wire connection

Bi-wire connection separates the woofer from the combined midrange and tweeter section. A bi-wire compatible speaker has four binding post terminals. These two sets of terminals allow the speaker to be split into two independent sections. With these connections, the mid and high frequency drivers are connected to one set of terminals and the low frequency driver to another set of terminals.

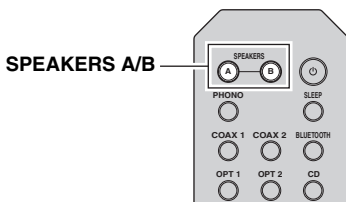
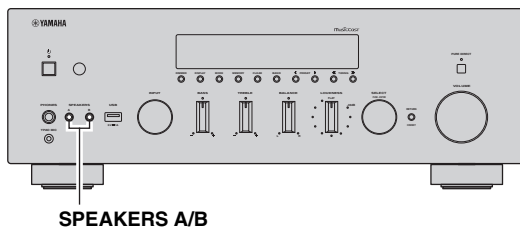
This unit



Connect the other speaker to the other set of terminals in the same way.

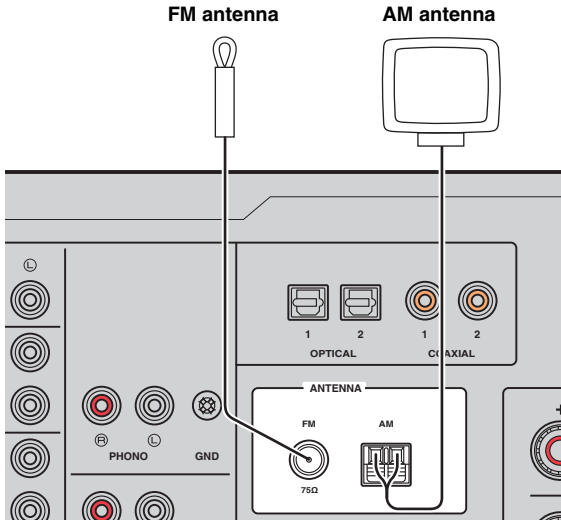
Note

- When making bi-wire connections, remove the shorting bridges or cables on the speaker. Refer to the speakers' instruction manuals for more information.
- To use the bi-wire connections, press SPEAKERS A and SPEAKERS B on the front panel or on the remote control so that both "A" and "B" indicators light up on the front display.



Connecting the FM/AM antennas (R-N803)

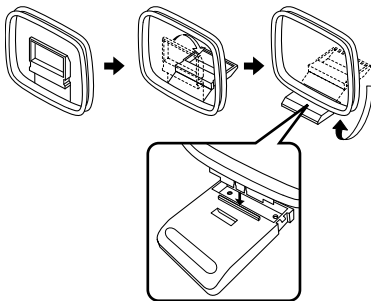
Connect the supplied FM/AM antenna to this unit. Fix the end of the FM antenna to a wall, and place the AM antenna.



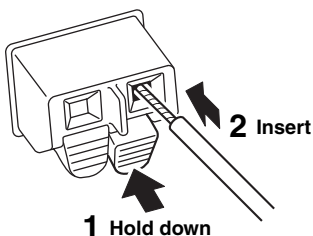
Note

- If you experience poor reception quality, install an outdoor antenna.
- Unwind only the length of cable needed from the AM antenna unit.
- The wires of the AM antenna have no polarity.

■ Assembling the supplied AM antenna

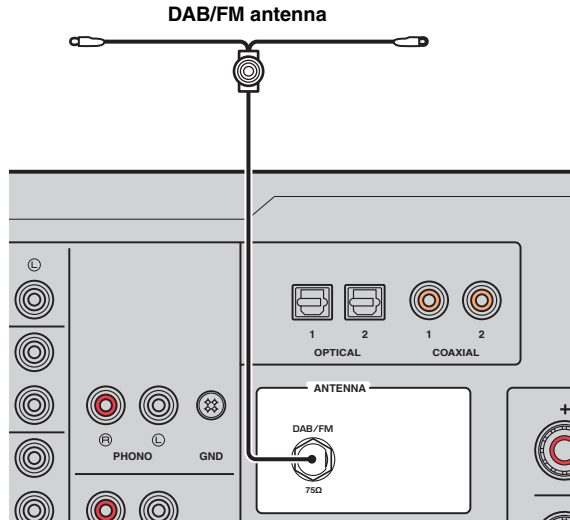


■ Connecting the wires of the AM antenna



Connecting the DAB/FM antenna (R-N803D)

Connect the supplied DAB/FM antenna to this unit and fix the antenna ends to a wall.



Note

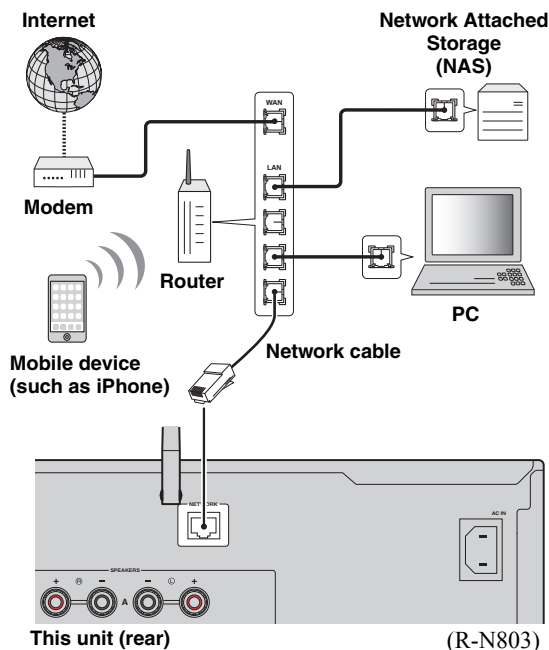
- If you experience poor reception quality, install an outdoor antenna.
- The antenna should be stretched out horizontally.

Connecting the network cable

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

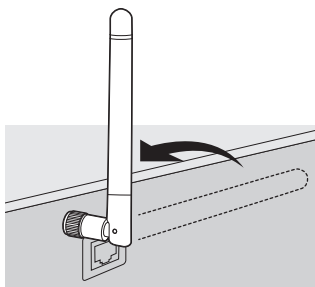
Note

Use an STP (Shielded Twisted Pair) cable to prevent electromagnetic interference.



Preparing a wireless antenna

If you use a wireless network connection or a *Bluetooth* connection, erect the wireless antenna. For information on how to connect the unit to a wireless network, see “Connecting to network” (p. 15). For information on using this unit with a *Bluetooth* device, see “Playing back music via Bluetooth” (p. 32).



Notice

Do not apply excessive force on the wireless antenna. Doing so may damage the antenna.

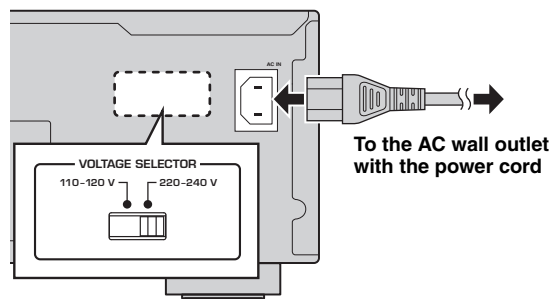
Connecting the power cord

After all the connections are complete, connect the supplied power cord to this unit and then to an AC wall outlet.

! WARNING

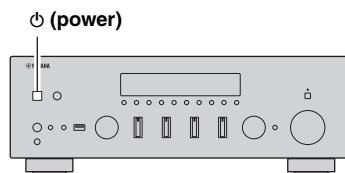
(General model only)

Before connecting the power cord, make sure you set **VOLTAGE SELECTOR** of this unit according to your local voltage. Improper setting of **VOLTAGE SELECTOR** may cause fire and damage to this unit.



Turning on the unit

Press $\text{\textcircled{P}}$ (power) on the front panel to turn on the unit.



Connecting to network

There are several methods to connect the unit to a network. Select a connection method according to your environment.

Note

- 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.
- When playing a high-resolution audio source via the network, we recommend connecting with a wired router for stable playback.

WAC (Wireless Accessory Configuration)

If you turn on the power to the unit right after you purchase or initialize it, the unit will automatically use the network settings of the iOS device (iPhone/iPad/iPod touch) and try to connect to a wireless LAN (unless the unit is already connected to a wired LAN).



If you have an iOS device, follow the procedure from Step 6 in “Sharing the iOS device setting” (p. 16).

If you plan to connect the unit wirelessly by another method, press RETURN to exit the current screen, and then proceed to one of the sections below.

■ Connecting with a wireless router (access point)

Connect to the network with the method listed below that corresponds to your environment.

Connecting using “MusicCast CONTROLLER”



Register this unit to the MusicCast network and make the wireless network connection at once (p. 20)

Connecting using the Wi-Fi setting of the iOS device (iPhone/iPad/iPod touch)



Share the Wi-Fi setting of the iOS device (p. 16)

Connecting using WPS push button configuration on the wireless router (or access point)



Use the WPS push button configuration (p. 17)

Connecting with a wireless router (access point) without WPS push button configuration



Set the network connection manually (p. 18)

■ Connecting with the wired router

Connecting using the DHCP server function of the router



You can connect to the network by simply making a wired LAN connection (p. 14)

Note

- You can configure the network parameters (such as IP address) in “IP Address” (p. 49) in the “Setup” menu.
- If you want to use a wired LAN connection when a wireless connection has been made, set “Connection” (p. 48) in the “Setup” menu to “Wired”.

■ Connecting without a wired router or wireless router (access point)

Connecting wirelessly to a mobile device (Wireless Direct)



Connect wirelessly with Wireless Direct (p. 19)

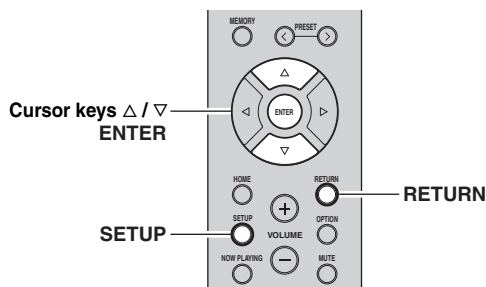
Note

When the unit is connected to the network with Wireless Direct, it cannot connect to any other wireless router (access point). To play back contents from the Internet or update the unit's firmware via the network, connect this unit to a network with a wired router or wireless router (access point).

Sharing the iOS device setting

You can easily setup a wireless connection by applying the connection settings on iOS devices (iPhone/iPad/iPod touch).

Before proceeding, confirm that your iOS device is connected to a wireless router (access point).



- 1 Press **SETUP**.
- 2 Use the cursor keys (Δ / ∇) to select “Network” and press **ENTER**.

Note

To return to the previous state, press **RETURN**.

- 3 Use the cursor keys (Δ / ∇) to select “Connection” and press **ENTER**.
- 4 Use the cursor keys (Δ / ∇) to select “Wireless” and press **ENTER**.
- 5 Use the cursor keys (Δ / ∇) to select “Share Setting” and press **ENTER** twice.



Note

- If you set up a wireless connection with this method, all the network settings will be initialized.
- This configuration does not work if the security method of your wireless router (access point) is WEP. In this case, use other connection method.

Note

When connected to a wired network, “LAN CABLE” and “Pls disconnect” appears on the front display. In this case, disconnect the network cable from the unit, and press **ENTER**.

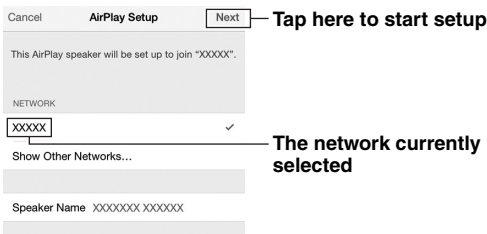
- 6** On the iOS device, select the unit as the AirPlay speaker in the Wi-Fi screen.

Example (iOS 10)



The name of this unit

- 7** Check the network currently selected and tap “Next”.



When the sharing process finishes, the unit is automatically connected to the selected network (access point).

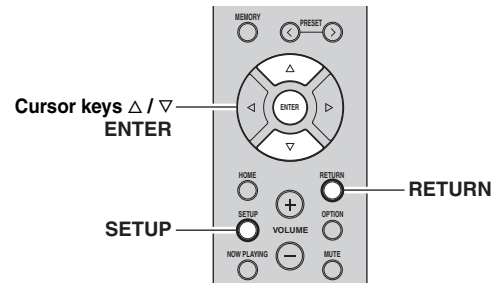
When the setting finishes, verify whether the unit is connected to a wireless network (p. 20).

Configuring with the router's WPS push button

You can easily set up a wireless connection with one push of the WPS button.

Note

This configuration does not work if the security method of your wireless router (access point) is WEP or WPA2-TKIP. In this case, use other connection method.



- 1** Press **SETUP**.
- 2** Use the cursor keys (Δ / ∇) to select “Network” and press **ENTER**.

Note

To return to the previous state, press **RETURN**.

- 3** Use the cursor keys (Δ / ∇) to select “Connection” and press **ENTER**.
- 4** Use the cursor keys (Δ / ∇) to select “Wireless” and press **ENTER**.



- 5** Press **ENTER** twice.
“Connecting” appears on the front display.
- 6** Push the **WPS button on the wireless router (access point)**.

When the connection process finishes, “Completed” appears on the front display. When the setting finishes, verify whether the unit is connected to a wireless network (p. 20).

If “Not connected” appears, repeat from Step 1 or try another connection method.

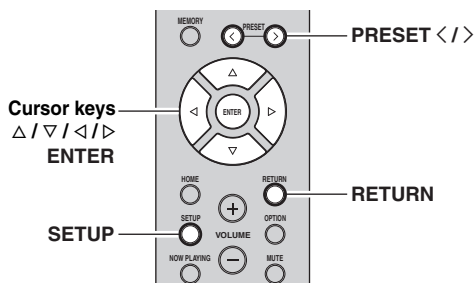
- 7** To exit from the menu, press **SETUP**.

About WPS

WPS (Wi-Fi Protected Setup) is a standard established by the Wi-Fi Alliance, which allows easy establishment of a wireless home network.

Set the wireless network connection manually

Before performing the following procedure, check the security method and security key on the wireless router (access point).



- 1 Press **SETUP**.
- 2 Use the cursor keys (Δ / ∇) to select “**Network**” and press **ENTER**.

Note

To return to the previous state, press **RETURN**.

- 3 Use the cursor keys (Δ / ∇) to select “**Connection**” and press **ENTER**.
- 4 Use the cursor keys (Δ / ∇) to select “**Wireless**” and press **ENTER**.
- 5 Use the cursor keys (Δ / ∇) to select “**Manual Setting**” and press **ENTER**.



- 6 Use the cursor keys (Δ / ∇) to select “**SSID**” and press **ENTER**.



- 7 Use the cursor keys to enter the SSID on the wireless router (access point), and press **RETURN** to previous state.

Use the cursor keys (\triangleleft / \triangleright) to move the edit position and the cursor keys (Δ / ∇) to select a character. Press **PRESET** \triangleright to insert a character and **PRESET** \triangleleft to delete.

- 8 Use the cursor keys (Δ / ∇) to select “**Security**” and press **ENTER**.



- 9 Use the cursor keys (\triangleleft / \triangleright) to select desired security method and press **RETURN**.

Settings

None, WEP, WPA2-PSK (AES), Mixed Mode

Note

If you select “None”, the connection may be insecure since the communication is not encrypted.

- 10 Use the cursor keys (Δ / ∇) to select “**Security Key**” and press **ENTER**.



- 11 Use the cursor keys to enter the security key on the wireless router (access point), and press **RETURN** to previous state.

If you select “WEP” in step 9, enter either 5 or 13 character string, or 10 or 26 hexadecimal digits. If you select “WPA2-PSK (AES)” or “Mixed Mode” in step 9, enter 8 to 63 character string or 64 hexadecimal digits.

Use the cursor keys (\triangleleft / \triangleright) to move the edit position and the cursor keys (Δ / ∇) to select a character. Press **PRESET** \triangleright to insert a character and **PRESET** \triangleleft to delete.

- 12 Use the cursor keys (Δ / ∇) to select “**Connect[ENTER]**” and press **ENTER** to save the setting.

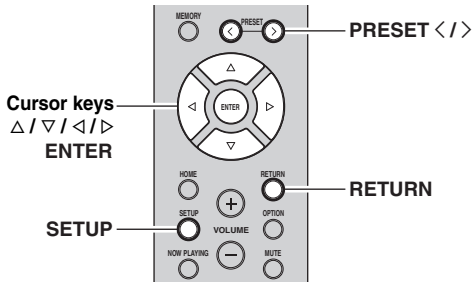
If the wireless network connection cannot be made, the SSID or security key may be incorrect. Repeat from Step 6.

You can verify whether the unit is connected to a wireless network (p. 20).

- 13 To exit from the menu, press **SETUP**.

Connecting a mobile device to the unit directly (Wireless Direct)

Using Wireless Direct, this unit can operate as a wireless network access point that mobile devices can directly connect to.



Note

When making a Wireless Direct connection, you cannot connect this unit or the mobile device to the Internet, so Internet services such as Internet radio are not available.

- 1 Press **SETUP**.
- 2 Use the cursor keys (Δ / ∇) to select “Network” and press **ENTER**.

Note

To return to the previous state, press **RETURN**.

- 3 Use the cursor keys (Δ / ∇) to select “Connection” and press **ENTER**.
- 4 Use the cursor keys (Δ / ∇) to select “WirelessDirect” and press **ENTER**.



- 5 Press **ENTER** to check the SSID on this unit, and press **RETURN** to previous state.
- 6 Use the cursor keys (Δ / ∇) to select “Security” and press **ENTER**.



- 7 Use the cursor keys (\leftarrow / \rightarrow) to select desired security method and press **RETURN**.

Settings

None, WPA2-PSK (AES)

Note

- If you select “None”, proceed to Step 10.
- If you select “None”, the connection may be insecure since the communication is not encrypted.

- 8 Use the cursor keys (Δ / ∇) to select “Security Key” and press **ENTER**.



- 9 Use the cursor keys to enter the security key on this unit, and press **RETURN** to previous state.

Enter 8 to 63 character string or 64 hexadecimal digits.

Use the cursor keys (\leftarrow / \rightarrow) to move the edit position and the cursor keys (Δ / ∇) to select a character.

Press **PRESET** \rightarrow to insert a character and **PRESET** \leftarrow to delete.

- 10 Use the cursor keys (Δ / ∇) to select “Connect[Enter]” and press **ENTER** to save the setting.

- 11 Configure the Wi-Fi settings of a mobile device.

For details on settings of your mobile device, refer to the instruction manual of the mobile device.

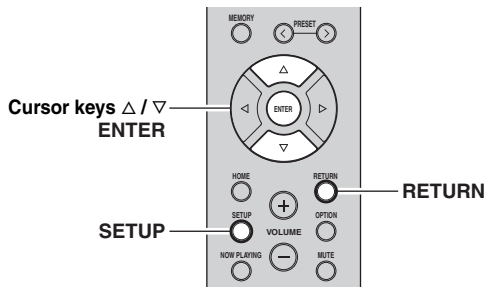
- (1) Enable the Wi-Fi function on the mobile device.
- (2) Select the SSID of this unit from the list of available access points.
- (3) When you are prompted for a password, enter the security key displayed in Step 9.

If the Wireless Direct connection cannot be made, the security key may be incorrect. Configure the Wi-Fi settings of a mobile device again.

- 12 To exit from the menu, press **SETUP**.

Verify the network connection status

Perform the following procedure to verify the unit's connection to a network.



- 1 Press **SETUP**.
- 2 Use the cursor keys (Δ / ∇) to select “Network” and press **ENTER**.

Note

To return to the previous state, press **RETURN**.

- 3 Use the cursor keys (Δ / ∇) to select “Information” and press **ENTER**.
- 4 Use the cursor keys (Δ / ∇) to select “STATUS”.



When “Connect” appears, the unit is connected to a network. If “Disconnect” appears, reset connection.

- 5 To exit from the menu, press **SETUP**.

Configuring MusicCast

About MusicCast

Use MusicCast to share music between MusicCast-compatible devices in multiple rooms.

With the dedicated “MusicCast CONTROLLER” app, you can easily enjoy music from your smartphone, a media server (a personal computer or NAS) or Internet radio (streaming services) wherever you are in your home.

- All MusicCast-compatible devices can be operated from the dedicated “MusicCast CONTROLLER” app
- Multiple devices that support MusicCast in separate rooms can be linked to play music simultaneously
- Supports music playback through Internet radio (streaming services)
- Network settings for devices that support MusicCast

Visit the following website for more information on MusicCast and on which devices are compatible.

<http://www.yamaha.com/musiccast/>

Note

For details on MusicCast, download the MusicCast Setup Guide from the Yamaha Download website.

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

MusicCast CONTROLLER



To use network functionality with a device that supports MusicCast, you need to use the “MusicCast CONTROLLER” dedicated app for mobile devices. Search for and install “MusicCast CONTROLLER” (free) in the App Store or on Google Play.

Registering to the MusicCast network

Register this unit to the MusicCast network.


At the same time, configure the wireless network connection settings for this unit.

Note

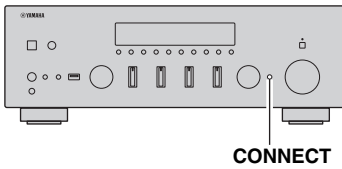
The SSID and security key for your wireless network will be needed.

- 1 On your mobile device, start “MusicCast CONTROLLER” and tap “Setup”.

Note

If you have already connected other MusicCast compatible devices to the network, tap “” (Settings) and then “Add New Device”.

- 2** Operate “MusicCast CONTROLLER” following the on screen instructions, then hold down **CONNECT** on the front panel of this unit for 5 seconds.



- 3** Operate “MusicCast CONTROLLER” following the onscreen instructions to set up the network.

This completes the MusicCast network registration and wireless network connection settings.

Use “MusicCast CONTROLLER” to play back music.

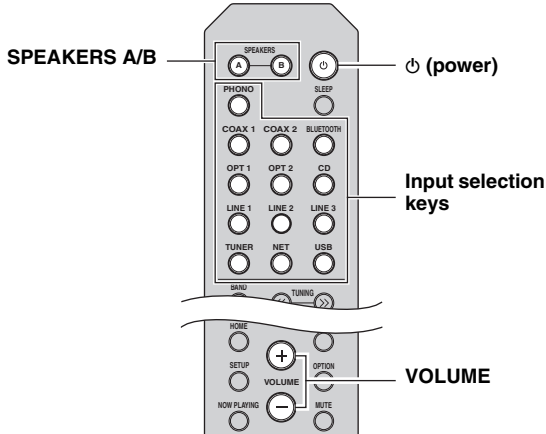
Note

- AirPlay and DSD sound cannot be transmitted. Music can be played back only from this unit.
- When Pure Direct (p. 23) is turned on, only the network sources (such as Internet radio), *Bluetooth* device sources and USB storage device sources can be played via the MusicCast network.

BASIC OPERATION

Playback

Playing a source



- 1 Press one of the input selection keys to select the input source you want to listen to.
- 2 Press SPEAKERS A and/or SPEAKERS B to select speakers A and/or speakers B.
When speaker set A is turned on, "SPEAKERS A:On" appears on the front display.
When speaker set B is turned on, "SPEAKERS B:On" appears on the front display.

Note

- When one set of speakers is connected using bi-wire connections, or when using two sets of speakers simultaneously (A and B), press SPEAKERS A and SPEAKERS B on the front panel or on the remote control so that both "A" and "B" indicators light up on the front display.
- When listening with headphones, turn off the speakers.

- 3 Play the source.
- 4 Press VOLUME +/- to adjust the sound output level.

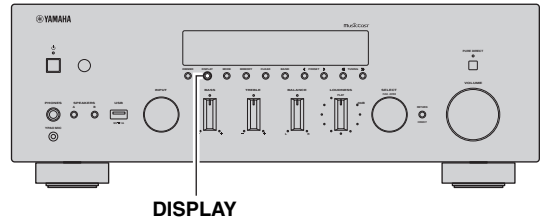
Note

You can adjust the tonal quality by using the BASS, TREBLE, BALANCE and LOUDNESS controls or the PURE DIRECT switch on the front panel.

- 5 When you finish using, press ⏻ (power) on the front panel to turn off the power.
When you press ⏻ (power) on the remote control, this unit set to standby mode.

Switching information on the front display

When you select a network source or USB as the input source, you can switch playback information on the front display.



- 1 Press DISPLAY.
Each time you press the key, the displayed item changes.



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



Input source	Item
Bluetooth	Track (song title), Artist (artist name), Album (album name)
Server AirPlay USB	Track (song title), Artist (artist name), Album (album name), Time
Net Radio	Track (song title), Album (album name), Time, Station (station name)

Note

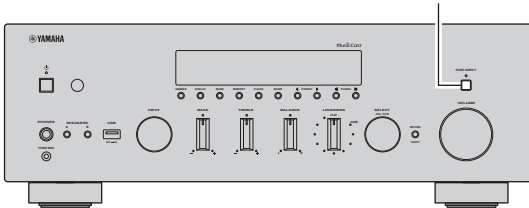
"_" (underscore) will be displayed for characters not supported by the unit.

Front panel operations

■ Enjoying pure high fidelity sound (Pure Direct)

When the PURE DIRECT switch is turned on, routes input signals from your audio sources so that the input signals bypass the BASS, TREBLE, BALANCE and LOUDNESS controls, thus eliminating any alterations to the audio signals and creating the purest possible sound. The PURE DIRECT indicator lights up and the front display turns off after a few seconds.

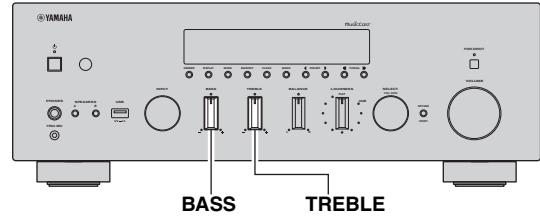
PURE DIRECT switch



Note

- When the PURE DIRECT switch is turned on, the front display turns off.
- The BASS, TREBLE, BALANCE, and LOUDNESS controls do not function while PURE DIRECT is turned on.

■ Adjusting the BASS and TREBLE controls



The BASS and TREBLE controls adjust high and low frequency response.

The center position produces a flat response.

BASS control

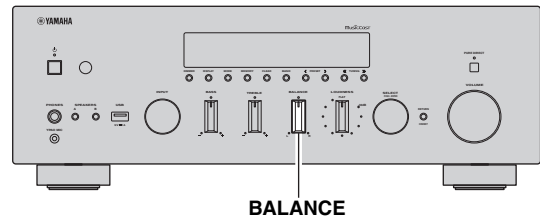
When you feel there is not enough bass (low frequency sound), rotate clockwise to boost. When you feel there is too much bass, rotate counterclockwise to suppress. Control range: -10 dB to $+10$ dB (20 Hz)

TREBLE control

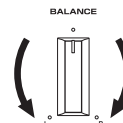
When you feel there is not enough treble (high frequency sound), rotate clockwise to boost. When you feel there is too much treble, rotate counterclockwise to suppress. Control range: -10 dB to $+10$ dB (20 kHz)



■ Adjusting the BALANCE control



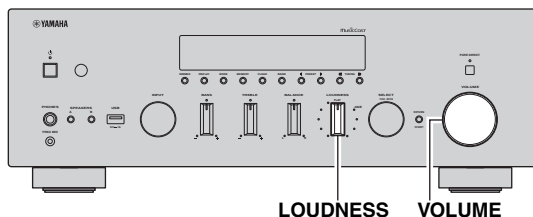
The BALANCE control adjusts the sound output balance of the left and right speakers to compensate for sound imbalance caused by speaker locations or listening room conditions.



Note

If you rotate the BALANCE control to the end of L (left) or R (right), the opposite side of channel is muted.

■ Adjusting the LOUDNESS control



Retain a full tonal range at any volume level, thus compensating for the human ears' loss of sensitivity to high and low-frequency ranges at low volume.

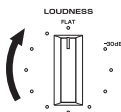
Note

The LOUDNESS control does not function when the YPAO Volume function (p. 50) is enabled.

! CAUTION

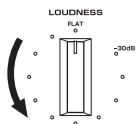
If the PURE DIRECT switch is turned on with the LOUDNESS control set at a certain level, the input signals bypass the LOUDNESS control, resulting in a sudden increase in the sound output level. To prevent your ears or the speakers from being damaged, be sure to press the PURE DIRECT switch after lowering the sound output level or after checking that the LOUDNESS control is properly set.

- 1 Set the LOUDNESS control to the FLAT position.



- 2 Rotate the VOLUME control on the front panel (or press VOLUME +/- on the remote control) to set the sound output level to the loudest listening level that you would listen to.

- 3 Rotate the LOUDNESS control until the desired volume is obtained.

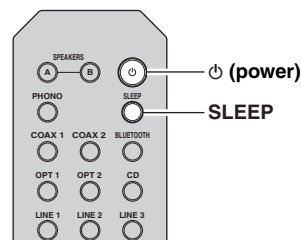


Note

After setting the LOUDNESS control, enjoy listening to music at your preferred volume level. If the effect of the LOUDNESS control setting is too strong or weak, readjust the LOUDNESS control.

Using the sleep timer

Use this feature to automatically set this unit to standby mode after a certain amount of time. The sleep timer is useful when you are going to sleep while this unit is playing or recording a source.



Note

The sleep timer can only be set with the remote control.

- 1 Press SLEEP repeatedly to set the amount of time before this unit is set to standby mode.

Each time you press SLEEP, the front display changes as shown below.



The SLEEP indicator blinks while setting the amount of time for the sleep timer.



If the sleep timer is set, the SLEEP indicator on the front display lights up.

Note

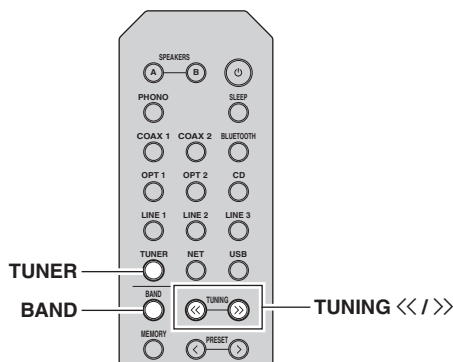
- To disable the sleep timer, select "Sleep Off".
- The sleep timer setting can also be canceled by pressing (power) to set this unit to standby mode.

Listening to FM/AM radio

Note

R-N803D does not include an AM tuner.

FM/AM tuning



- 1 Press **TUNER** to select “TUNER” as the input source.
- 2 Press **BAND** repeatedly to select the reception band (FM or AM).
- 3 Press **TUNING <</>>** to set a frequency.
To search stations automatically, press and hold **TUNING <</>>** for a second.

If a broadcast is being received, “TUNED” indicator on the front display will be lit. If a stereo broadcast is being received, the “STEREO” indicator will also lit.

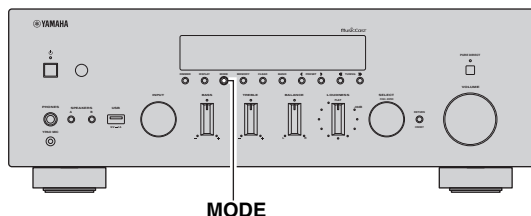


Note

- If the station signals are weak, tuning search does not stop at the desired station.
- When FM radio reception is unstable, switching the FM mode to “Mono” may improve it.

Improving FM reception (FM mode)

If the signal from the station is weak and the sound quality is not good, set the FM band reception mode to monaural mode to improve reception.



- 1 Press **MODE** repeatedly to select “Stereo” (automatic stereo mode) or “Mono” (monaural mode) when this unit is tuned in to an FM radio station.

When “Mono” is selected, FM broadcasts will be heard in monaural sound.

Note

The STEREO indicator on the front panel lights up while listening to a station in stereo mode.

Registering favorite radio stations (presets)

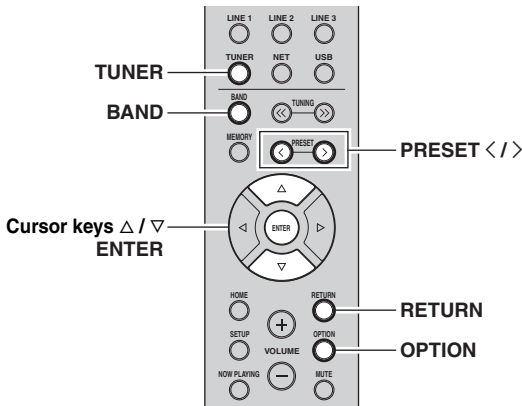
You can register up to 40 radio stations as presets. Once you have registered stations, you can easily tune into them by selecting their preset numbers.

You can automatically register FM radio stations that have strong signals (auto preset). For AM radio stations or FM radio stations with weak signals, register them manually (p. 26).

Registering FM radio stations automatically (auto preset)

Note

- When you register radio stations automatically, radio stations currently registered to preset numbers may be overwritten.
- If the station you want to register is weak in signal strength, try using the manual preset tuning method.
- FM stations registered as presets using the automatic preset registration feature will be heard in stereo.
- (U.K. and Europe models only)
Only Radio Data System broadcasting stations can be preset automatically.



- 1 Press TUNER to select “TUNER” as the input source.
- 2 Press OPTION on the remote control. The “Option” menu is displayed (p. 46).
- 3 Use the cursor keys (Δ / ∇) to select “Auto Preset”, and then press ENTER.



Preset number Frequency

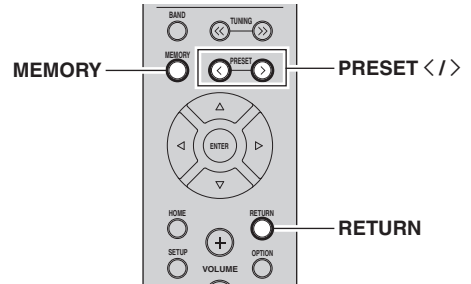
This unit starts scanning the FM band about 5 seconds later from the lowest frequency upwards. To begin scanning immediately, hold down ENTER.

Note

- Before scanning begins, you can specify the first preset number to be used by pressing PRESET </> or cursor key (Δ / ∇) on the remote control.
- To cancel scanning, press BAND or RETURN.

When scanning is complete, “FINISH” is displayed and then the display returns to original state.

■ Registering a radio station manually



- 1 Follow “FM/AM tuning” (p.25) to tune into the desired radio station.

- 2 Press MEMORY.

Note

By holding down MEMORY for more than 3 seconds, you can skip the following steps and automatically register the selected station to an empty preset number (i.e., the preset number following the last preset number used).

- 3 PRESET </> to select the preset number to which the station will be registered.

If you select a preset number to which no station is registered, the message “Empty” is displayed.



“Empty” (not in use) or the frequency currently registered

- 4 Press MEMORY.

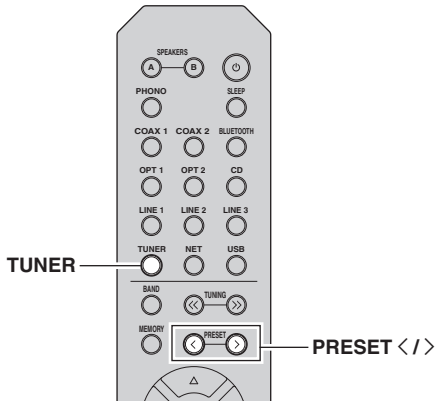
When registration is complete, the display returns to the original state.

Note

To cancel registration, press RETURN.

■ Recalling a preset station

You can recall preset stations that were registered using automatic station preset or manual station preset.



- 1 Press TUNER to select “TUNER” as the input source.
- 2 Press PRESET </> to select a preset number.

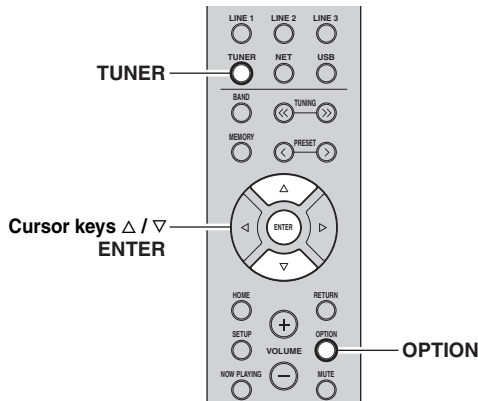
Note

- Preset numbers to which no stations are registered are skipped.
- “No Presets” is displayed if no stations are registered.

■ Clearing a preset station

Clear radio stations registered to the preset numbers.

On the remote control



- 1 Press TUNER to select “TUNER” as the input source.
- 2 Press OPTION.
- 3 Use the cursor keys to select “Clear Preset” and press ENTER.



- 4 Use the cursor keys (Δ / ∇) to select a preset station to be cleared and press ENTER.



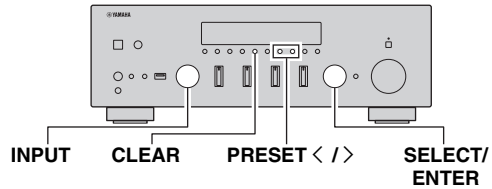
Preset station to be cleared

If the preset station is cleared, “Cleared” appears and then the next in-use preset number is displayed.



- 5 Repeat step 4 until all desired preset stations are cleared.
- 6 To exit from the “Option” menu, press OPTION.

On the front panel



- 1 Rotate the INPUT selector to select “TUNER” as the input source.
- 2 Press CLEAR.
- 3 Press PRESET </> to select a preset station to be cleared and press CLEAR.



Preset station to be cleared

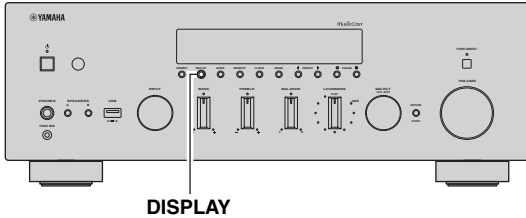
If the preset station is cleared, “Cleared” appears.



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



1 Tune into the desired Radio Data System broadcasting station.

Note

We recommend using “Auto Preset” to tune into the Radio Data System broadcasting stations (p. 25).

2 Press DISPLAY.

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



Item name

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



Information

Program Service	Program service name
Program Type	Current program type
Radio Text	Information on the current program
Clock Time	Current time
Frequency	Frequency

Note

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

Listening to DAB radio (R-N803D)

DAB (Digital Audio Broadcasting) uses digital signals for clearer sound and more stable reception compared to analog signals. This unit can also receive DAB+ (an upgraded version of DAB) that allows for more stations using MPEG-4 audio codec (AAC+), which has a more efficient transmission method.

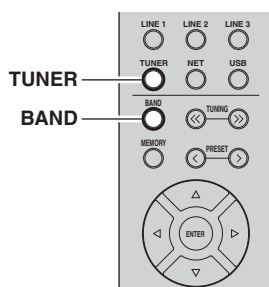
Note

This unit supports Band III (174 to 240 MHz) only.

Preparing the DAB tuning

Before tuning in to DAB stations, an initial scan must be performed. When you select the DAB for the first time, the initial scan is performed automatically.

To listen to a DAB station, connect the antenna as described in “Connecting the DAB/FM antenna (R-N803D)” (p.13).



1 Press TUNER to select “TUNER” as the input source.

2 Press BAND to select the DAB band.

The initial scan starts. During the scan, the progress is displayed on the front display.

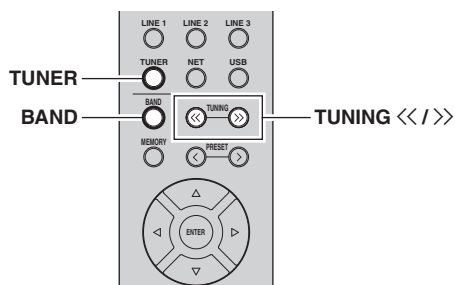
When the scan is complete, the top of the list of the scanned stations appears on the front display.

Note

- If no DAB radio stations are found by an initial scan, “Not Found” appears on the front display, followed by “Off Air”. Press BAND twice to re-select the DAB band and scan again.
- You can check reception strength of each DAB channel label (p. 31).
- To perform an initial scan again after some DAB radio stations are stored, select “Initiate Scan” (p.46) in the “OPTION” menu. If you perform an initial scan again, the DAB radio stations currently registered to the preset numbers will be cleared.

Selecting a DAB radio station for reception

You can select a DAB radio station from the stations stored by the initial scan.



- 1 Press TUNER to select “TUNER” as the input source.**
- 2 Press BAND to select the DAB band.**
- 3 Press TUNING <</> to select a DAB radio station.**



Note

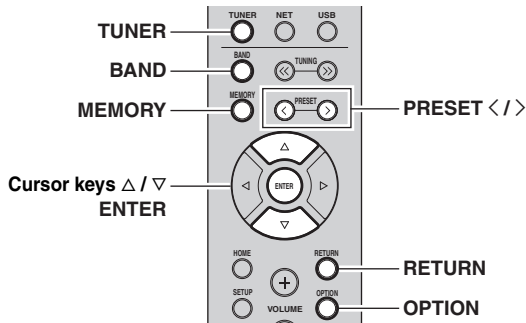
- “Off Air” appears when the selected DAB radio station is currently not available.
- When the unit is receiving a secondary station, “2” appears next to “DAB”.

Using preset function

You can register up to 40 DAB radio stations as presets. Once you have registered stations, you can easily tune in to them by recalling the presets.

Note

You can register up to 40 favorite radio stations each for DAB and FM bands.



■ Registering a DAB radio station

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

- 1 Follow “Selecting a DAB radio station for reception” (p.29) to tune into the desired DAB radio station.
- 2 Press MEMORY.

Note

By holding down MEMORY for more than 3 seconds, you can skip the following steps and automatically register the selected station to an empty preset number (i.e., the preset number following the last preset number used).

- 3 Press PRESET \langle / \rangle to select the preset number to which the station will be registered.

If you select a preset number to which no station is registered, “Empty” is displayed.

If you select a preset number to which a station has already been registered, “Overwrite?” is displayed.



“Empty” (not in use) or “Overwrite?” (in use)

- 4 Press MEMORY.

When registration is complete, the display returns to the original state.

Note

To cancel registration, press RETURN or do not perform any operations for about 30 seconds.

■ Recalling a preset station

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

- 1 Press TUNER to select “TUNER” as the input source.
- 2 Press BAND to select the DAB band.
- 3 Press PRESET \langle / \rangle to select the desired DAB radio station.



Note

- Preset numbers to which no stations are registered are skipped.
- If this unit does not have any preset stations, “No Presets” is displayed.

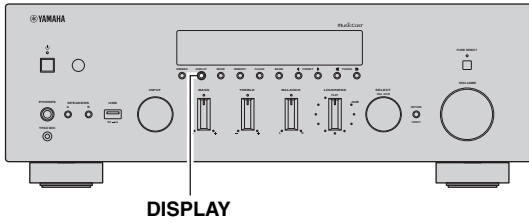
■ Clearing preset DAB radio stations

Clear DAB radio stations registered to the preset numbers.

- 1 Press TUNER to select “TUNER” as the input source.
- 2 Press BAND to select the DAB band.
- 3 Press OPTION.
- 4 Use the cursor keys (Δ / ∇) to select “Clear Preset” and press ENTER.
- 5 Use the cursor keys (Δ / ∇) to select a preset DAB radio station to be cleared and press ENTER.
If the preset DAB radio station is cleared “Cleared” appears and the next in-use preset number is displayed.
- 6 Repeat step 5 until all desired preset DAB radio stations are cleared.
- 7 To exit from the “OPTION” menu, press OPTION.

Displaying the DAB information

This unit can receive various types of DAB information when it is tuned in to a DAB radio station.



- 1 Select “TUNER” as the input source and tune into the desired DAB radio station.
- 2 Press DISPLAY on the front panel.

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



About 3 seconds later, the corresponding information appears.



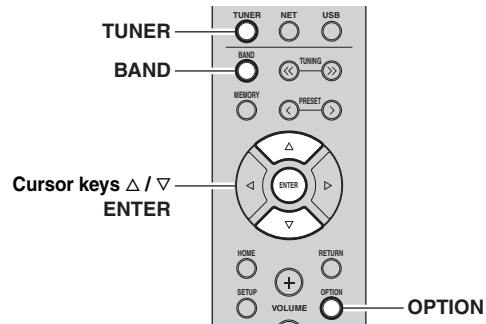
Item	Information
Service Label	Station name
DLS (Dynamic Label Segment)	Information on the station
Ensemble Label	Ensemble name
Program Type	Station genre
Date and Time	Current date and time
Audio Mode	Audio mode (monaural/stereo) and bit rate
CH Label/Freq	Channel label and frequency
Signal Quality	Signal reception quality (0 [none] to 100 [best])

Note

Some information may not be available depending on the selected DAB radio station.

Checking reception strength of each DAB channel label

You can check reception strength of each DAB channel label (0 [none] to 100 [best]).



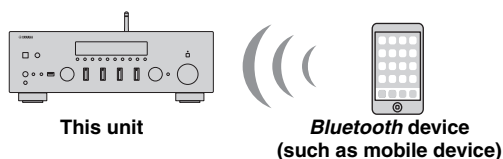
- 1 Press TUNER to select “TUNER” as the input source.
- 2 Press BAND to select the DAB band.
- 3 Press OPTION.
- 4 Use the cursor keys (Δ / ∇) to select “Tune Aid” and press ENTER.
- 5 Use the cursor keys (Δ / ∇) to select the desired DAB channel label.



- 6 To exit from the “OPTION” menu, press OPTION.

Playing back music via *Bluetooth*

You can play back music files stored on a *Bluetooth* device (such as mobile device) on the unit. Please also refer to the owner's manual of your *Bluetooth* device.

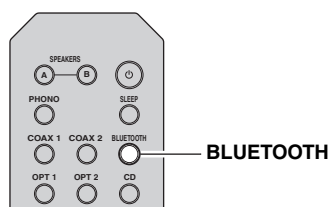


Note

- To use the *Bluetooth* function, set “Bluetooth” (p. 50) in the “Setup” menu to “On” (Default).
- A *Bluetooth* device may not be detected by the unit or some feature may not be compatible, depending on the model.
- You can transmit audio to *Bluetooth* speakers or headphones using “MusicCast CONTROLLER” (p. 20). The audio output can only be selected from “MusicCast CONTROLLER”.

Connecting a *Bluetooth* device (pairing)

When connecting a *Bluetooth* device to the unit for the first time, the pairing operation is required to perform. Pairing is an operation that registers the *Bluetooth* devices with each other beforehand. Once pairing has been completed, subsequent reconnection will be easy even after the *Bluetooth* connection is disconnected.



- 1 Press **BLUETOOTH** to select “Bluetooth” as the input source.

If another *Bluetooth* device is already connected, disconnect the *Bluetooth* connection before you perform a pairing operation.

- 2 Turn on the *Bluetooth* function of the *Bluetooth* device.

- 3 On the *Bluetooth* device, select the unit (network name) from the available device list.

After pairing has been completed and the unit is connected to the *Bluetooth* device, “Connected” appears on the front display, and *Bluetooth* indicator will be light up.



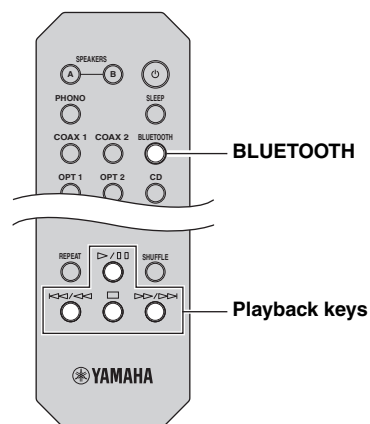
Note

- If the pass key is required, enter the number “0000”.
- You can change the network name of this unit in “Network Name” (p.49) in the “Setup” menu.

Playing back *Bluetooth* device contents

Connect a paired *Bluetooth* device and start playback. Check the following beforehand:

- Pairing has been completed.
- *Bluetooth* function on the *Bluetooth* device is turned on.



- 1 Press **BLUETOOTH** to select “Bluetooth” as the input source.

Note

If the unit detects the *Bluetooth* device previously connected, the unit automatically connects to the *Bluetooth* device after Step 1. To establish another *Bluetooth* connection, first disconnect the current *Bluetooth* connection.

2 Operate the *Bluetooth* device to establish a *Bluetooth* connection.

Select the unit's model name from the *Bluetooth* device list on your device.

When a connection is established, *Bluetooth* indicator on the front display will be light up.

Note

If you cannot connect the *Bluetooth* device, please perform pairing again.

3 Operate the *Bluetooth* device to play back music.

Note

You can use the playback keys on the remote control to control playback.

Disconnecting a *Bluetooth* connection

Follow one of the procedures below to disconnect a *Bluetooth* connection.

- Turn off the *Bluetooth* function on the *Bluetooth* device.
- Hold down BLUETOOTH on the remote control for at least 3 seconds.
- Select an input source other than "Bluetooth" on the unit.

Bluetooth

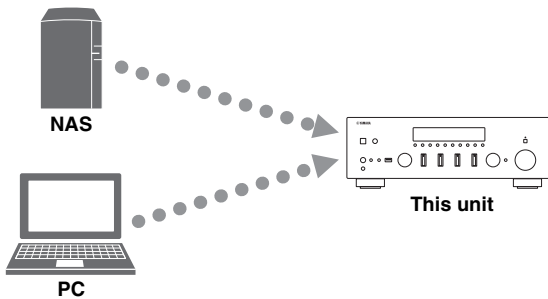
- *Bluetooth* is a technology for wireless communication between devices within an area of about 10 meters (33 ft) employing the 2.4 GHz frequency band, a band which can be used without a license.

Handling *Bluetooth* communications

- The 2.4 GHz band used by *Bluetooth* compatible devices is a radio band shared by many types of equipment. While *Bluetooth* compatible devices use a technology minimizing the influence of other components using the same radio band, such influence may reduce the speed or distance of communications and in some cases interrupt communications.
- The speed of signal transfer and the distance at which communication is possible differs according to the distance between the communicating devices, the presence of obstacles, radio wave conditions and the type of equipment.
- Yamaha does not guarantee all wireless connections between this unit and devices compatible with *Bluetooth* function.

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.



Note

- To use this function, the unit and your PC/NAS must be connected to the same router (p. 14). You can check whether the network parameters (such as the IP address) are properly assigned to the unit in “Information” (p.48) in the “Setup” menu.
- To play back music files, the server software installed on the PC/NAS must support the music file formats that you want to play back.
- The audio may be interrupted while using the wireless network connection. In this case, use the wired network connection.
- You can connect up to 16 media servers to this unit.
- For details on supported file formats, see “Supported file formats” (p.62).

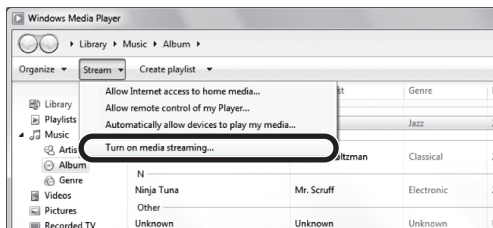
Setting the media sharing of music files

To play back music files in your computer with this unit, you need to make the media sharing setting between the unit and computer (Windows Media Player 12 or later). In here, setting with Windows Media Player in Windows 7 is taken as an example.

■ When using Windows Media Player 12

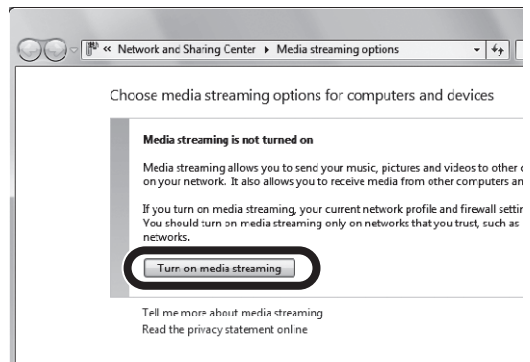
- 1 Start Windows Media Player 12 on your PC.
- 2 Select “Stream”, then “Turn on media streaming...”.

(Example of English version)

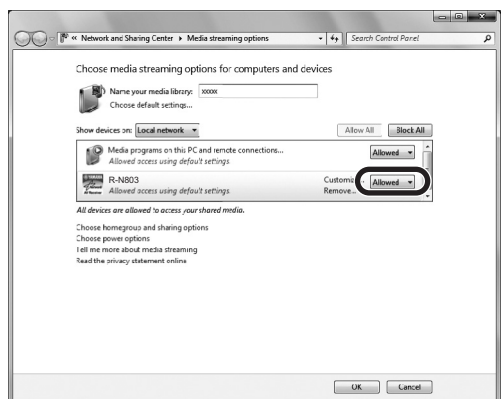


The control panel window of your PC appears.

- 3 Click “Turn on media streaming”.



- 4 Select “Allowed” from the drop-down list next to the unit’s model name.



- 5 As with Step 4, select “Allowed” from the drop-down list next to devices (PCs or mobile devices) which you want to use as the media controllers.

- 6 Click “OK” to exit.

■ When using a PC or a NAS with other DLNA server software installed

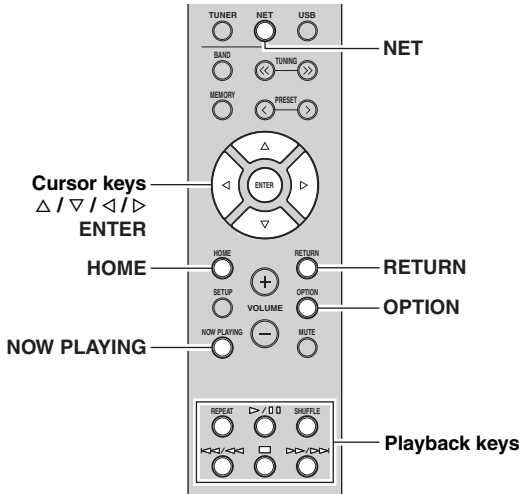
Refer to the instruction manual for the device or software and configure the media sharing settings.

Playback of PC music contents

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

Note

“_” (underscore) will be displayed for characters not supported by the unit.



- 1 Press **NET** repeatedly to select “Server” as the input source.



- 2 Use the cursor keys (Δ / ∇) to select a music server and press **ENTER**.

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

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



Note

- If playback of a music file selected from the unit is ongoing on your PC, the playback information is displayed.
- You can register the current playback song as a preset (p. 41).
- If you press the **DISPLAY** on the front panel repeatedly, you can switch the playback information on the front display (p. 22).

Use the following remote control keys to control playback.

Keys	Function	
Cursor keys	Select a music file or folder.	
ENTER	Starts playback if pressed while content is selected. Moves down one level if pressed while a folder is selected.	
RETURN	Moves up one level.	
Playback keys	\triangleright / \square	Pauses/resumes playback.
	\square	Stops playback.
	\ll / \lll	Skips forward/backward.
	\gg / \ggg	
HOME	Displays the root directory of the music server.	
NOW PLAYING	Displays information about the song that's playing.	

Note

You can also use a DLNA-compatible Digital Media Controller (DMC) to control playback. For details, see “DMC Control” (p.49).

Repeat/shuffle settings

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

- 1 When the input source is “Server,” press **REPEAT** or **SHUFFLE** on the playback key repeatedly to select the playback method.

Playback keys	Setting	Function
REPEAT	Off	Turns off the repeat function.
	One	Plays back the current song repeatedly.
	All	Plays back all songs in the current album (folder) repeatedly.
SHUFFLE	Off	Turns off the shuffle function.
	On	Plays back songs in the current album (folder) in random order.

■ Automatic playback setting

Use this setting to choose whether to automatically play back music from your PC or from the NAS when turning on the unit or when selecting “Server” as the input source.

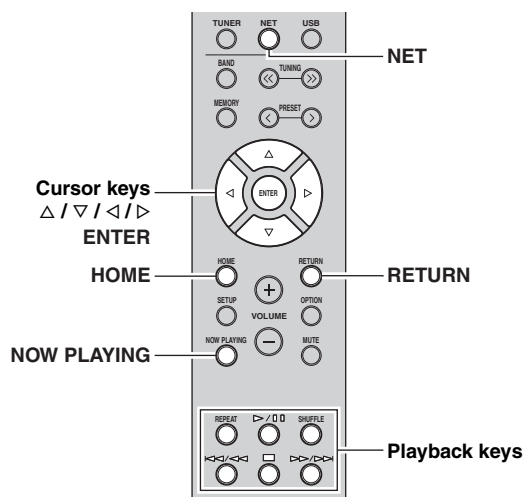
- 1** When the input source is “Server”, press **OPTION**.
- 2** Use the cursor keys (Δ / ∇) to select “Auto Playback” and press **ENTER**.
- 3** Use the cursor keys (\triangleleft / \triangleright) to select “On” (enable) or “Off” (disable).
- 4** To exit from the menu, press **OPTION**.

Listening to Internet radio

You can listen to Internet radio stations from all over the world.

Note

- To use this function, the unit must be connected to the Internet (p. 14). You can check whether the network parameters (such as the IP address) are properly assigned to the unit in "Information" (p.48) in the "Setup" menu.
- You may not be able to receive some Internet radio stations.
- This unit uses the airable.Radio service. airable is a service of Tune In GmbH.
- This service may be discontinued without notice.



1 Press NET repeatedly to select "Net Radio" as the input source.

The station list appears on the front display.




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

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



Use the following remote control keys to control playback.

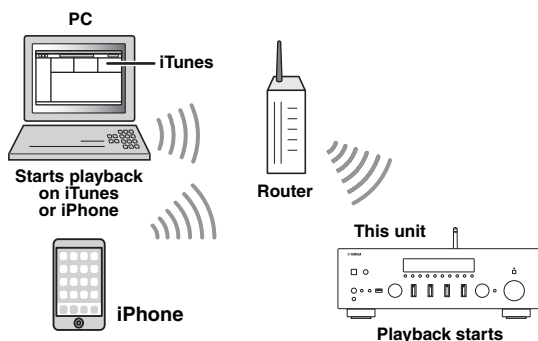
Keys	Function
Cursor keys	Select the Internet radio station or category such as the genre.
ENTER	Starts playback if pressed while an Internet radio station is selected. Moves down one level if pressed while a category is selected.
RETURN	Moves up one level.
Playback keys	 Stops playback.
HOME	Displays the top categories if pressed during playback.
NOW PLAYING	Displays the playback information for the Internet radio station.

Note

- You can register the current playback station as a preset (p. 41).
- If you press the DISPLAY on the front panel repeatedly, you can switch the playback information on the front display (p. 22).
- Some information may not be available depending on the station.

Playing back iPhone/iTunes music via a network (AirPlay)

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



Note

To use this function, the unit and your PC or iPhone must be connected to the same router (p. 14).

AirPlay works with iPhone, iPad, and iPod touch with iOS 4.3.3 or later, Mac with OS X Mountain Lion or later, and Mac and PC with iTunes 10.2.2 or later. (as of June 2017)

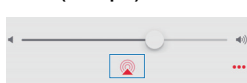
Playback of iPhone/iTunes music contents

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

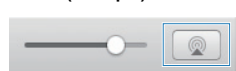
1 Turn on the unit, and start iTunes on the PC or display the playback screen on the iPhone.

If the iPhone/iTunes recognizes the unit, the AirPlay icon appears.

iOS10 (example)



iTunes (example)



Note

If the icon does not appear, check whether the unit and PC/iPhone are connected to the router properly.

2 On the iPhone/iTunes, click (tap) the AirPlay icon and select the unit (network name of the unit) as the audio output device.

3 Select a song and start playback.

The unit automatically selects “AirPlay” as the input source and starts playback. The playback information is displayed on the front display.

Note

- If you press the DISPLAY on the front panel repeatedly, you can switch the playback information on the front display (p. 22).
- You can turn on the unit automatically when starting playback on iTunes or iPhone by setting “Standby (Network Standby)” (p.49) in the “Setup” menu to “On”.
- You can edit the network name (the unit’s name on the network) displayed on iPhone/iTunes in “Network Name” (p.49) in the “Setup” menu.
- You can adjust the unit’s volume from the iPhone/iTunes during playback.

! CAUTION

Adjusting the volume on iTunes or iPhone may make the volume unexpectedly loud, which could result in damage to your hearing or to the device. If the playback volume is too loud, stop playback immediately on iTunes or iPhone. We recommend using “Volume interlock” (p. 46) in the “Option” menu to limit the changes in volume from iTunes or iPhone.

Use the following remote control keys to control playback.

	Keys	Functions
Playback keys	▷ / ⏸	Pauses/resumes playback.
	◻	Stops playback.
	◀◀ / ▶▶	Skips forward/backward.
	▶▶ / ▶▶	
	REPEAT	Changes the Repeat settings.
	SHUFFLE	Changes the Shuffle settings.

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.

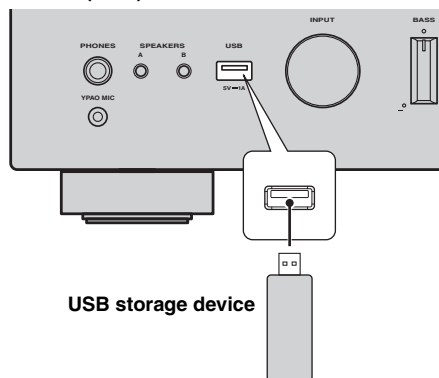
Note

- Do not connect devices other than USB mass storage class devices (such as USB chargers or USB hubs), PCs, card readers, an external HDD, etc.
- Some features may not be compatible, depending on the model or manufacturer of the USB storage device.
- For details on supported USB storage devices and file formats, see “Supported devices and file formats” (p.62).

Connecting a USB storage device

1 Connect the USB storage device to the USB jack.

This unit (front)



USB storage device



Note

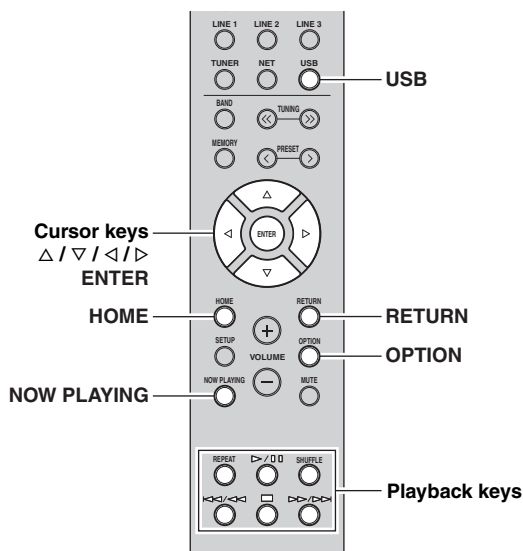
- If the USB storage device contains many files, it may take time to load the them. In this case, “Loading...” appears in the front display.
- Disconnect the USB storage device from the USB jack when it is not in use.
- Stop playback of the USB storage device before disconnect it from the USB jack.
- You cannot connect the PC to the USB jack of the unit.
- This unit cannot charge USB storage devices while it is in standby mode.

Playback of USB storage device contents

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

Note

“_” (underscore) will be displayed for characters not supported by the unit.



1 Press USB to select “USB” as the input source.



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








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



Note

- You can register the current playback song as a preset (p. 41).
- If you press the DISPLAY on the front panel repeatedly, you can switch the playback information on the front display (p. 22).

Use the following remote control keys to control playback.

Keys	Function	
Cursor keys	Select a music file or folder.	
ENTER	Starts playback if pressed while a music file is selected. Moves down one level if pressed while a folder is selected.	
RETURN	Moves up one level.	
Playback keys	 / 	Pauses/resumes playback.
		Stops playback.
	 / 	Skips forward/backward.
	 / 	
HOME	Displays the root directory of the USB device.	
NOW PLAYING	Displays information about the song that's playing.	

Repeat/shuffle settings

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

- 1 If the input source is “USB,” press REPEAT or SHUFFLE on the playback keys repeatedly to select the playback method.**

Playback keys	Setting	Function
REPEAT	Off	Turns off the repeat function.
	One	Plays back the current song repeatedly.
	All	Plays back all songs in the current album (folder) repeatedly.
SHUFFLE	Off	Turns off the shuffle function.
	On	Plays back songs in the current album (folder) in random order.

Automatic playback setting

Use this setting to choose whether to automatically play back music from your USB storage device when turning on the unit or when selecting “USB” as the input source.

- 1 When the input source is “USB”, press OPTION.**
- 2 Use the cursor keys (Δ / ▽) to select “Auto Playback” and press ENTER.**
- 3 Use the cursor keys (< / >) to select “On” (enable) or “Off” (disable).**
- 4 To exit from the menu, press OPTION.**

Registering the current playback song/station (Preset function)

When you select network sources and USB as the input source, you can register the current playback song or streaming station as a preset up to 40.

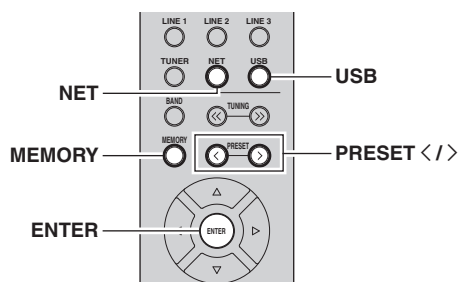
You can then easily recall any preset song/station by selecting its preset number.

The following input sources can be set as presets.

Server, Net Radio, USB and streaming services.

Note

- You can also register songs and stations as presets using “MusicCast CONTROLLER” (p.20).
- When you register music files stored on a USB storage device or a PC/NAS, this unit memorizes the relative position of the music files in the folder. If you have added or deleted any music files to or from the folder, this unit may not recall the music file correctly. In such cases, register the items again.



Registering to a preset

- 1 Playback a song or streaming station you want to register.**
- 2 Press MEMORY.**

Note

By holding down MEMORY for more than 3 seconds, you can skip the following steps and automatically register the selected song/station to an empty preset number (i.e., the preset number following the last preset number used).

- 3 PRESET </> to select the preset number to which the song/station will be registered.**

If you select a preset number to which no station is registered, the message “Empty” is displayed.

- 4 Press MEMORY.**

When registration is complete, the display returns to the original state.

Note

To cancel registration, press RETURN.

Recalling a preset

- 1 Press NET or USB to select the desired input source.**
- 2 Press PRESET </> to select a preset number.**
- 3 Press ENTER to recall preset.**

Note

- It may take a while to recall a preset song or a preset station.
- To cancel recalling, press RETURN.
- You can also recall preset songs or preset stations using “MusicCast CONTROLLER” (p.20).

Clearing a preset

- 1 Press NET or USB to select the desired input source.**
- 2 Press PRESET </> to select a preset number to be cleared.**
- 3 Press CLEAR on the front panel to clear the preset.**

If the preset content is cleared, “Empty” appears.

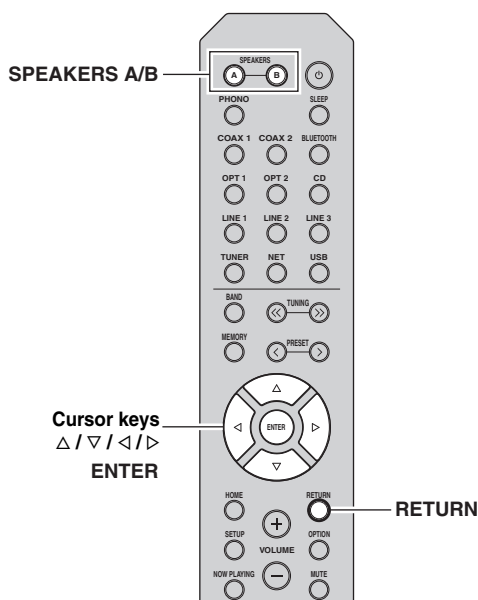
ADVANCED OPERATION

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, and then automatically optimizes the speaker settings, such as volume balance and acoustic parameters, to suit your room.

Note

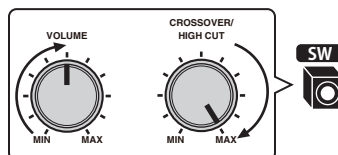
- The YPAO function of this unit adopts the YPAO-R.S.C. (Reflected Sound Control) technology that enables to create natural sound fields like a room specifically designed for acoustic perfection.
- Note the following regarding YPAO measurement.
 - Test tones are output at high volume and may surprise or frighten small children.
 - Test tone volume cannot be adjusted.
 - Keep the room as quiet as possible.
 - Stay in a corner of the room behind the listening position so that you do not become an obstacle between speakers and the YPAO microphone.
 - Do not connect headphones.



1 Press \odot (power) on the front panel to turn on this unit.

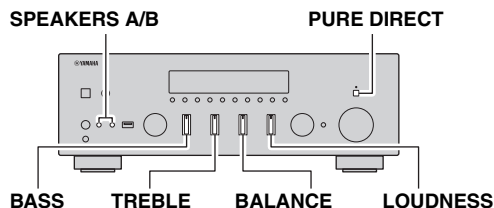
2 Turn on the subwoofer and set the volume to half.

If the crossover frequency is adjustable, set it to maximum.



3 Configure the following settings.

- Press **SPEAKERS A/B** on the front panel or remote control to select the speakers to be used.
- Set the **BASS** control and **TREBLE** control on the front panel to 0 (center position).
- Set the **BALANCE** control on the front panel to the center position.
- Set the **LOUDNESS** control on the front panel to **FLAT** (center position).
- If Pure Direct is turned on, press **PURE DIRECT** on the front panel to turn it off.



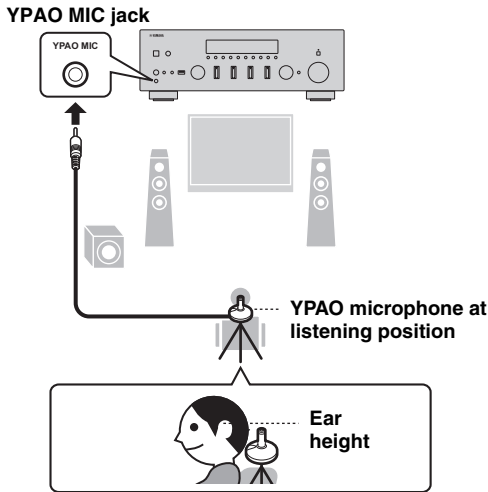
Note

- The speaker settings are individually saved depending on the speaker system (A, B, A+B).
- When using YPAO, select the speaker system (A+B) only for the bi-wire connection. If you select the speaker system (A+B) when connecting other speakers to the **SPEAKERS A/B** terminals, the measurement will not be performed properly.

- Place the YPAO microphone at your listening position and connect it to the YPAO MIC jack on the front panel.

Note

Place the YPAO microphone at your listening position (same height as your ears). We recommend the use of a tripod as a microphone stand. You can use the tripod screws to stabilize the microphone.



The following message appears on the front display.



Note

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

- To start the measurement, press ENTER.

The measurement will start in 10 seconds. It takes about 1 minute to perform the measurement.

Note

To cancel the measurement, press RETURN and then follow the procedure in “Error messages” (p. 44).

“Result Info.” appears on the front display when the measurement finishes.



Note

If “Error Info” appears, press the cursor key (▷) to check the error message (p. 44).

- To check the measurement result, press the cursor key (▷).

If “No Warning” appears on the front display, the measurement is properly completed.



Note

If any warning message (such as W-1) appears on the front display, see “Warning messages” (p. 45).

- Press the cursor key (◀) or RETURN.

- To save the measurement results, use the cursor keys (△ / ▽) to select “Save” and press ENTER.

To finish the measurement without saving the result, use the cursor keys (△ / ▽) to select “Cancel” and press ENTER.



Note

You can change the YPAO settings (YPAO On/Off and YPAO Volume) in the “Setup” menu (p. 50).

- Disconnect the YPAO microphone from this unit.



Notice

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).

Error messages

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



Error message	Cause	Remedy
E-1 Noisy	The noise is too loud.	Keep the room quiet and start the measurement again.
E-2 No Signal	The YPAO microphone cannot detect test tones.	Connect the YPAO microphone to the YPAO MIC jack firmly and start the measurement again. If this error occurs repeatedly, contact the nearest authorized Yamaha dealer or service center.
E-3 No MIC	The YPAO microphone has been removed.	Connect the YPAO microphone to the YPAO MIC jack firmly and start the measurement again.
E-4 User Cancel	The measurement has been canceled.	Start the measurement again as necessary.
E-5 PHONES	The headphones are connected to the PHONES jack of this unit.	Disconnect the headphones and start the measurement again.
E-10 Internal Error	An internal error has occurred.	Exit YPAO and then turn off and on this unit. If this error occurs repeatedly, contact the nearest authorized Yamaha dealer or service center.
E-20 No SPEAKERS	Speakers are not detected.	Press SPEAKERS A/B to select the speakers to be used and start the measurement again. If this error occurs even when the speakers are properly selected, turn off this unit and check the speaker connections.
E-21 Control Knob	The BASS/TREBLE/BALANCE/LOUDNESS control positions are improper.	Set all the controls to the center position and start the measurement again.
E-22 Pure Direct	Pure Direct is turned on.	Press PURE DIRECT on the front panel to turn off Pure Direct and start the measurement again.

Note

After checking the error message, press the cursor key (<) to return to the previous state and follow the procedure below,

- To start the measurement again:
Use the cursor keys (Δ / ∇) to select “Retry” and press ENTER. Proceed to Step 5 in page 43.
- To exit YPAO:
Use the cursor keys (Δ / ∇) to select “Exit” and press ENTER.

Warning messages

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



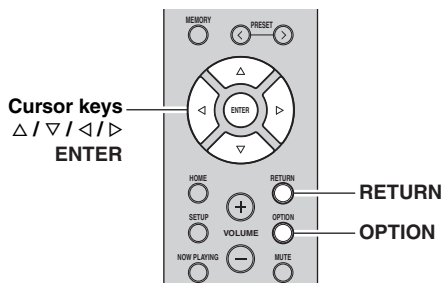
Warning message	Cause	Remedy
W-1 Out of Phase	A speaker cable may be connected with the reverse polarity (+/-).	check the cable connections (+/-) of the speakers. If the speaker is connected incorrectly, turn off this unit and then reconnect the speaker cable. Depending on the type of speakers or room environment, this message may appear even if the speakers are connected correctly. In this case, you can ignore the message.
W-2 Over Distance	A speaker is placed more than 24 m (80 ft) from the listening position	Move the speaker within 24m (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.

Note

- If more than one warning is detected, use the cursor keys (Δ / ∇) to check another warning message.
- To return to the previous state after checking the warning message, press the cursor key (\triangleleft).

Configuring playback settings for different playback sources (Option menu)

You can configure separate playback settings for different playback sources. This menu allows you to easily configure settings during playback.



1 Press OPTION.



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

Note

To return to the previous state during menu operations, press RETURN.

3 Use the cursor keys (◀/▶) to select a setting.

4 To exit from the menu, press OPTION.

Option menu items

Note

Available items vary depending on the selected input source.

Item	Function	Page
Volume Trim	Corrects volume differences between input sources.	46
Signal Info.	Displays information about the audio signal.	46
Auto Preset	Automatically registers FM radio stations with strong signals as presets.	25
Clear Preset	Clears radio stations registered to preset numbers.	27
Initiate Scan	(R-N803D only) Performs an initial scan for DAB radio reception.	29
Tune Aid	(R-N803D only) Checks reception strength of each DAB channel label.	31

Item	Function	Page
Vol.Interlock (Volume interlock)	Enables/Disables volume controls from iPhone/iTunes via AirPlay.	46
Auto Playback	Selects whether to automatically play back music from your PC/NAS or USB storage device when the unit is turned on or when the corresponding input source is selected.	36, 40

■ Volume 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.

Note

This setting is applied separately to each input source.

Setting range

-10.0 dB to 0.0 dB to +10.0 dB (0.5 dB increments)

Default

0.0 dB

■ Signal Info.

Displays information about audio signal.

Choices

FORMAT	Audio format of the input signal
SAMPLING	The number of samples per second of the input digital signal

Note

To switch the information on the front display, press the cursor keys (Δ / ▽) repeatedly.

■ Vol.Interlock (Volume interlock)

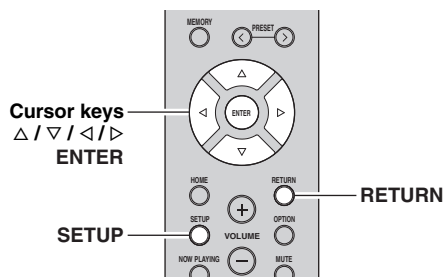
Enables/disables volume controls from iPhone/iTunes via AirPlay.

Settings

Off	Disables volume controls from iPhone/iTunes.
Ltd (Default)	Enables volume controls from iPhone/iTunes within the limited range (-80.0 dB to -20.0 dB and mute).
Full	Enables volume controls from iPhone/iTunes in the full range (-80.0 dB to +16.5 dB and mute).

Configuring various functions (Setup menu)

You can configure the unit's various functions.



1 Press SETUP.



2 Use the cursor keys (Δ / ∇) to select a menu item and press ENTER.



3 Use the cursor keys (\triangleleft / \triangleright) to select a setting and press ENTER.



Note

To return to the previous state during menu operations, press RETURN.

4 To exit from the menu, press SETUP.

Setup menu items

Menu item		Function	Page
Network	Connection	Selects the network connection method.	48
	Information	Displays the network information on the unit.	48
	IP Address	Configures the network parameters (such as IP address).	49
	DMC Control	Selects whether to allow a DLNA-compatible Digital Media Controller (DMC) to control playback.	49
	Standby (Network Standby)	Selects whether to enable/disable the function that turns on the unit from other network devices.	49
	Network Name	Edits the network name (the unit's name on the network) displayed on other network devices.	49
	Update (Network Update)	Updates the firmware via the network.	50
Bluetooth	On/Off	Enables/disables the <i>Bluetooth</i> functions.	50
	Standby (Bluetooth Standby)	Selects whether to enable/disable the function that turns on the unit from <i>Bluetooth</i> devices (<i>Bluetooth</i> standby).	50
YPAO (Speaker A, Speaker B, Speaker A+B)	YPAO On/Off	Enables/disables the reflection of the YPAO measurement.	50
	VOL (YPAO Volume)	Enables/disables the YPAO volume function.	50
Volume	Max Volume	Sets the maximum volume to prevent excessive loudness.	50
	Initial Volume	Sets the initial volume for when this receiver is turned on.	50
AutoPowerStdby (Auto Power Standby)		Sets the amount of time for the auto standby function.	51
ECO Mode		Enables/disables the eco mode (power saving mode).	51

Network

Configures the network settings.

■ Connection

Selects the network connection method.

Wired	Select this option when you want to connect the unit to a network with a commercially-available network cable (p. 14).
Wireless	Select this option when you want to connect the unit to a network via the wireless router or access point (p. 16).
WirelessDirect	Select this option when you want to connect a mobile device to the unit directly. For details on settings, see "Connecting a mobile device to the unit directly (Wireless Direct)" (p. 19).

Note

When this unit is in the MusicCast extended mode, "Extend" is displayed. For details on the extended mode, refer to "MusicCast Setup Guide" on the Yamaha website.

■ Information

Displays the network information on the unit.

NEW FW Available	Appears if an update for this unit's firmware is available (p. 54).
STATUS	The connection status of the network.
MC NET	Status of the MusicCast Network. If "Ready" appears, you can use the MusicCast CONTROLLER app.
MAC	Displays MAC address of the unit. MAC address will vary depending on the connection method (wired LAN connection or wireless LAN / Wireless Direct connection).
SSID	(When using wireless LAN connection or Wireless Direct) The SSID of this unit on the wireless network.
IP	IP address
SUBNET	Subnet mask
GATEWAY	The IP address of the default gateway
DNS P	The IP address of the primary DNS server
DNS S	The IP address of the secondary DNS server

IP Address

Configures the network parameters (such as IP address).

DHCP

Select whether to use a DHCP server.

Off	Does not use a DHCP server. Configure the network parameters manually. For details, see “Manual network settings”.
On (Default)	Uses a DHCP server to automatically obtain the unit’s network parameters (such as IP address).

Manual network settings

- 1 Set “DHCP” to “Off”.
- 2 Use the cursor keys (Δ / ∇) to select a parameter type.

IP	Specifies an IP address.
SUBNET	Specifies a subnet mask.
GATEWAY	Specifies the IP address of the default gateway.
DNS P	Specifies the IP address of the primary DNS server.
DNS S	Specifies the IP address of the secondary DNS server.

- 3 Use the cursor keys ($\triangleleft / \triangleright$) to select the edit position.



(Example: IP address setting)

Use the cursor keys ($\triangleleft / \triangleright$) to switch between segments (Address1, Address2...) of the address.

- 4 Use the Cursor keys (Δ / ∇) to change a value.
- 5 To exit from the menu, press **SETUP**.

DMC Control

Selects whether to allow DLNA-compatible Digital Media Controller (DMC) to control playback.

Disable	Does not allow DMCs to control playback.
Enable (Default)	Allows DMCs to control playback.

Note

A Digital Media Controller (DMC) is a device that can control other network devices through the network. When this function is enabled, you can control playback of the unit from DMCs (such as Windows Media Player 12) on the same network.

Standby (Network Standby)

Selects whether the unit can be turned on from other network devices (network standby).

Off	Disables the network standby function.
On	Enables the network standby function. (The unit consumes more power than when “Off” is selected.)
Auto (Default)	Enables the network standby function. The unit is set to the power saving mode when the unit is disconnected from the network.



With an advanced energy saving design, this product achieves a low power consumption of not more than two watts when in Network Standby mode.

Network Name

Edits the network name (the unit’s name on the network) displayed on other network devices.

- 1 Select “Network Name” and press **ENTER**.



- 2 Press **ENTER** twice to enter the name edit display.



- 3 Use the cursor keys ($\triangleleft / \triangleright$) to move the edit position and the cursor keys (Δ / ∇) to select a character.



You can insert / delete a character, by pressing **PRESET >** (insert) or **PRESET <** (delete).

- 4 To confirm the new name, press **ENTER**.
- 5 To exit from the menu, press **SETUP**.

■ Update (Network Update)

Updates the firmware via the network.

Perform Update	Starts the process to update the unit's firmware. For details, see "Updating the unit's firmware via the network" (p. 54).
Version	Displays the version of the firmware installed on the unit.
ID	Displays the system ID number.

Bluetooth

Configures the *Bluetooth* settings.

■ On/Off

Enables/disables the *Bluetooth* function (p. 32).

Off	Disables the <i>Bluetooth</i> function.
On (Default)	Enables the <i>Bluetooth</i> function. Immediately after selecting the "On", output of the network source is paused.

■ Standby (Bluetooth Standby)

Selects whether to enable/disable the function that turns on the unit from *Bluetooth* devices (*Bluetooth* standby). If this function is set to "On", the unit automatically turns on when a connect operation (p. 32) is performed on the *Bluetooth* device.

Off	Disables the <i>Bluetooth</i> standby function.
On (Default)	Enables the <i>Bluetooth</i> standby function. (The unit consumes more power than when "Off" is selected.)

Note

This setting is not available when "Standby (Network Standby)" (p. 49) is set to "Off".

YPAO

Configures the setting related to YPAO.

The following settings are available for each speaker system (Speaker A, Speaker B, Speaker A+B).

Note

The corresponding speaker system and following settings will be selectable after the YPAO measurement result is saved.

■ YPAO On/Off

Enables/disables the reflection of the YPAO measurement.

Off	Disables the reflection of the YPAO measurement.
On (Default)	Enables the reflection of the YPAO measurement.

■ VOL (YPAO Volume)

Enables/disables the YPAO volume function. When the YPAO Volume function is enabled, the high- and low-frequency levels are automatically adjusted according to the volume so that you can enjoy natural sounds even at low volume.

Off	Disables the YPAO Volume function.
On (Default)	Enables the YPAO Volume function.

Note

- The YPAO Volume function is disabled when "YPAO On/Off" is set to "Off".
- When the YPAO volume function is enabled, the YPAO VOL. indicator on the front display lights up.
- The LOUDNESS control (p. 24) does not function when the YPAO Volume function is enabled.

Volume

Configures the volume-related settings.

■ Max Volume

Sets the maximum volume to prevent excessive loudness.

Setting range

-30 dB to +15.0 dB / +16.5 dB (5 dB step)

Default

+16.5 dB

■ Initial Volume

Sets the initial volume when the receiver is turned on.

Setting range

Off, Mute, -80.0 dB to +16.5 dB (0.5 dB Step)

Default

Off

AutoPowerStdby (Auto Power Standby)

Enables/disables the auto-standby function. If you do not operate the unit for the specified time, the unit will automatically go into standby mode.

Off	Does not set the unit to standby mode automatically.
On	Sets the unit to standby mode automatically. While NET, BLUETOOTH or USB is selected as the input source, the unit will switch to standby mode if the selected source is not played back for 20 minutes. For all input sources, the unit will switch to standby mode if it is not operated for 8 hours.

Default

U.K. and Europe models: On

Other models: Off

Note

Just before the unit enters standby mode, “AutoPowerStdby” appears and then countdown starts in the front display.

ECO Mode

Enables/disables the eco (power saving) mode. When the eco mode is enabled, you can reduce the unit’s power consumption.

The new setting will take effect after the unit is restarted. Be sure to press ENTER to restart the unit after selecting a setting.

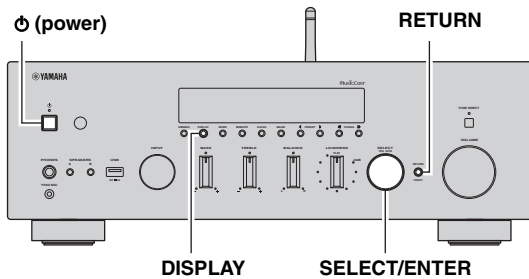
Off (Default)	Disables the eco mode.
On	Enables the eco mode.

Note

When “ECO Mode” is set to “On”, the front display may become dark.

Configuring the system settings (ADVANCED SETUP menu)

Configure the system settings of the unit using the front panel controls.



- 1 Press **power** to turn off the unit.
- 2 While holding down **RETURN**, press **power**.
- 3 Rotate **SELECT/ENTER** to select an item.
- 4 Press **SELECT/ENTER** to select a setting.
- 5 Press **power** to set the unit to turn off and turn it on again.

The new settings take effect.

ADVANCED SETUP menu items

Item	Function	Page
VERSION	Checks the version of firmware currently installed on the unit.	52
SP IMP.	Changes the speaker impedance setting.	52
REMOTE ID	Selects the unit's remote control ID.	52
TU	(Asia and General models only) Sets tuner frequency step.	53
INIT	Restores the default settings.	53
UPDATE	Updates the firmware.	53

Checking the firmware version (VERSION)



Check the version of firmware currently installed on the unit.

Note

- You can also check the firmware version in “Update (Network Update)” (p. 50) in the “Setup” menu.
- It may take a while until the firmware version is displayed.

Changing the speaker impedance setting (SP IMP.)



Change the unit's speaker impedance settings depending on the impedance of the speakers connected.

Settings

4 Ω MIN	Select this option when you connect speakers with an impedance of 4 ohms to less than 8 ohms to the unit.
8 Ω MIN (Default)	Select this option when you connect speakers with an impedance of 8 ohms or more to the unit.

Selecting the remote control ID (REMOTE ID)



Change the unit's remote control ID so that it matches the remote control's ID.

Select “ID1” normally. Select “AUTO” only when you use the remote control supplied with some Yamaha player.

Settings

ID1 (Default), AUTO

Setting tuner frequency step (TU)

TU FM50/AM9

(Asia and General models only)

Selects the step size for locating tuner frequencies.

Settings

FM100/AM10, FM50/AM9 (Default)

Restoring the default settings (INIT)

INIT CANCEL

Restores the default settings for the unit.

Choices

ALL	Restores the default settings for the unit.
NETWORK	Initialize all of the network, <i>Bluetooth</i> and USB settings. When performing the initialization, the preset (p. 41) registered by NET/USB input will be cleared.
CANCEL	Does not perform an initialization.

Updating the firmware (UPDATE)

UPDATE . NETWORK

New firmware that provides additional features or product improvements will be released as needed. If the unit is connected to the Internet, you can download the firmware via the network. For details, refer to the information supplied with updates.

■ Firmware update procedure

Do not perform this procedure unless firmware update is necessary. Also, make sure you read the information supplied with updates before updating the firmware.

- 1 Press **SELECT/ENTER** repeatedly to select **"USB"** or **"NETWORK"** and press **DISPLAY** to start firmware update.

Choices

USB	Update the firmware using a USB memory device.
NETWORK	Update the firmware via the network.

Note

If the unit detects newer firmware over the network, "NEW FW Available" appears as the "Information" menu item in "Network". In this case, you can also update the unit's firmware by following the procedure in "Updating the unit's firmware via the network" (p. 54).

Updating the unit's firmware via the network

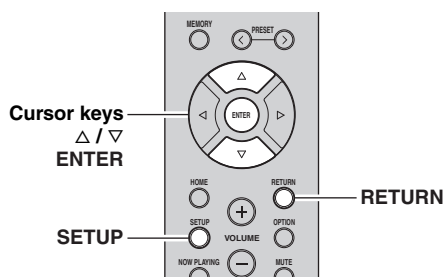
New firmware that provides additional features or product improvements will be released as needed. If the unit is connected to the Internet, you can download the firmware via the network and update it.

Notice

- Do not operate the unit or disconnect the power cable or network cable during firmware update. Firmware update takes about 5 minutes or more (depending on your Internet connection speed).
- If the unit is connected to the wireless network via a wireless network adapter, network update may not be possible depending on the condition of the wireless connection. In this case, update the firmware using the USB memory device (p. 53).

Note

You can also update the firmware using the USB memory device from the “ADVANCED SETUP” menu (p. 53).



Notification of new firmware update

When new firmware is available on the network, “NEW FW” will be displayed on the front display for a short period of time when the unit is turned on.



To update the firmware, press ENTER (as described in Step 6) while the notification is displayed. If “UPDATE SUCCESS” appears on the front display, press ϕ (power) on the front panel to turn off the unit.

- 1 Press **SETUP**.
- 2 Use the cursor keys (Δ / ∇) to select “Network” and press **ENTER**.
- 3 Use the cursor keys (Δ / ∇) to select “Information” and press **ENTER**.

If new firmware is available, “NEW FW Available” appears on the front display.



- 4 Press **RETURN** to return the previous state.
- 5 Use the cursor keys (Δ / ∇) to select “Update” and press **ENTER**.



- 6 To start the firmware update, press **ENTER**.
The unit to restart and the firmware update starts.

Note

To cancel the operation without updating the firmware, press **SETUP**.

- 7 If “UPDATE SUCCESS” appears on the front display, press ϕ (power) on the front panel.

The firmware update is complete.

ADDITIONAL INFORMATION

Troubleshooting

Refer to the chart below if this unit does not function properly. If the problem you are experiencing is not listed below or if the instructions below do not help, set this unit to standby mode, disconnect the power cable, and contact the nearest authorized Yamaha dealer or service center.

■ General

Problem	Possible cause	Remedy	See page
The power does not turn on.	The protection circuitry has been activated three times consecutively. If the unit is in this condition, the power indicator on the front panel blinks when you try to turn on the power.	As a safety precaution, capability to turn on the power is disabled. Contact your nearest Yamaha dealer or service center to request repair.	—
	The power cord is not connected or the plug is not completely inserted.	Connect the power cord firmly.	—
	The protection circuitry has been activated because of a short circuit, etc.	Check that the speaker wires are not touching each other and then turn the power of this unit back on.	11
	The internal microcomputer has frozen, due to an external electric shock (such as lightning or excessive static electricity) or to a drop in the power supply voltage.	Press \odot (power) on the front panel to turn off the unit and turn it on again after at least 15 seconds elapse. (If the problem persists, disconnect the power cable from the AC wall outlet and plug it again.)	—
The power does not turn off.	The internal microcomputer has frozen, due to an external electric shock (such as lightning or excessive static electricity) or to a drop in the power supply voltage.	Press \odot (power) on the front panel to turn off the unit and turn it on again after at least 15 seconds elapse. (If the problem persists, disconnect the power cable from the AC wall outlet and plug it again.)	—
No sound.	Incorrect input or output cable connections.	Connect the cables properly. If the problem persists, the cables may be defective.	10
	No appropriate input source has been selected.	Select an appropriate input source with the INPUT selector on the front panel (or one of the input selection key on the remote control).	22
	The SPEAKERS A/B switches are not set properly.	Turn on the corresponding SPEAKERS A or SPEAKERS B.	22
	Speaker connections are not secure.	Secure the connections.	10
	Output has been muted.	Turn off the mute.	8
	Headphones are connected to the PHONES jack.	Disconnect the headphones.	5
	The Max volume or Initial volume setting is set too low.	Check the settings for “Max Volume” and “Initial Volume” in the “Setup” menu.	50
	The component corresponding to the selected input source is turned off or is not playing.	Turn the component on and make sure it is playing.	—
The audio output of a device connected to a digital audio input (COAXIAL/OPTICAL jacks) is set to other than PCM.	Set the audio output of the connected device to PCM.	—	

Problem	Possible cause	Remedy	See page
The sound suddenly goes off.	The protection circuitry has been activated because of a short circuit, etc.	Set the speaker impedance to match your speakers.	52
		Check that the speaker wires are not touching each other and then turn the power of this unit back on.	11
	This unit has become too hot.	Make sure the openings on the top panel are not blocked.	—
	The auto power standby function has turned this unit off.	Change the auto power standby (“AutoPowerStdy” in the “Setup” menu) to turn off.	51
Only the speaker on one side can be heard.	Incorrect cable connections.	Connect the cables properly. If the problem persists, the cables may be defective.	10
	Incorrect setting for the speaker balance.	Set the BALANCE control to the appropriate position.	23
There is a lack of bass and no ambience.	The + and – wires are connected in reverse at the amplifier or the speakers.	Connect the speaker wires to the correct + and – phase.	11
A “humming” sound can be heard.	Incorrect cable connections.	Connect the audio plugs firmly. If the problem persists, the cables may be defective.	10
	No connection from the turntable to the GND terminal.	Make the GND connection between the turntable and this unit.	10
The volume level is low while playing a record.	The record is being played on a turntable with an MC cartridge.	The turntable should be connected to this unit through the MC head amplifier.	—
The sound is degraded when listening with the headphones connected to the CD player or the tape deck connected to this unit.	The power of this unit is turned off, or this unit is set to standby mode.	Turn on the power of this unit.	—
The sound level is low.	The loudness control function is operating.	Turn down the volume, set the LOUDNESS control to the FLAT position, and then adjust the volume again.	24

■ Remote control

Problem	Possible cause	Remedy	See page
The remote control does not work nor function properly.	Wrong distance or angle.	The remote control will function within a maximum range of 6 m (20 ft) and no more than 30 degrees off-axis from the front panel.	9
	Direct sunlight or lighting (from an inverter type of fluorescent lamp, etc.) is striking the remote control sensor of this unit.	Reposition this unit.	—
	The batteries are weak.	Replace all batteries.	9

■ FM reception

Problem	Possible cause	Remedy	See page
The FM radio reception strength is poor, and noise can be heard.	The unit is receiving radio interference, such as multipath reflections.	Change the antenna height, direction, or place of installation.	—
	The unit is receiving in a region located far away from the radio station.	Press MODE on the front panel to select “MONO” (monaural mode).	25
		Use a commercially-available outdoor antenna.	—
The radio station cannot be automatically selected.	The FM radio signal is weak.	Use a commercially-available outdoor antenna.	—
		Select the station manually.	25

■ AM reception (R-N803)

Problem	Possible cause	Remedy	See page
The AM radio reception strength is poor, and noise can be heard.	The unit is picking up noise from sources such as a fluorescent light or a motor.	In some environments, it may be difficult to completely eliminate noise. However, using a commercially-available outdoor antenna may help to reduce noise.	—
	The AM radio signal is weak.	Change the direction of the AM antenna.	13
		Select the station manually.	25
		Use a commercially-available outdoor antenna. Connect the supplied AM antenna to the ANTENNA(AM) jack.	—
AM radio stations cannot be registered (preset).	The stations may have been registered automatically (Auto Preset).	Auto presets can be used with FM radio stations only. AM radio stations must be manually registered.	26

■ DAB reception (R-N803D)

Problem	Possible cause	Remedy	See page
Cannot tune into any DAB stations.	The initial scan has not been performed.	Perform the initial scan.	29
	The DAB radio signal is weak.	Change the antenna height, direction, or place of installation.	13
	There is no DAB coverage in your area.	Check with your dealer or WorldDMB Online at “ http://www.worlddab.org ” for a listing of the DAB coverage in your area.	—
The initial scan is not successful (“NotFound” appears on the front display).	The DAB radio signal is weak.	Change the antenna height, direction, or place of installation.	13
	There is no DAB coverage in your area.	Check with your dealer or WorldDMB Online at “ http://www.worlddab.org ” for a listing of the DAB coverage in your area.	—

Problem	Possible cause	Remedy	See page
The DAB radio reception strength is poor, and noise (such as hiss, crackle and jitter) can be heard.	The DAB radio signal is weak.	Change the antenna height, direction, or place of installation.	13
The DAB information cannot be displayed or is inaccurate.	The DAB station may be temporarily out of service, or the DAB station information is not provided by the DAB broadcaster.	Contact the DAB broadcaster.	—

■ **Bluetooth**

Problem	Possible cause	Remedy	See page
The unit cannot connect to a Bluetooth device.	The <i>Bluetooth</i> function is disabled.	In the “Setup” menu, set “ <i>Bluetooth</i> (On/Off)” to “On”.	50
	The unit is connected to a different <i>Bluetooth</i> device.	Disconnect the current <i>Bluetooth</i> connection and connect with the desired <i>Bluetooth</i> device.	33
	The unit is too far from the <i>Bluetooth</i> device.	Move the <i>Bluetooth</i> device closer to this unit.	—
	A device emitting electromagnetic waves (such as a microwave oven and a wireless device) may be located nearby.	Do not use this unit near devices that emit electromagnetic waves.	—
	The <i>Bluetooth</i> device does not support the A2DP protocol.	Use a <i>Bluetooth</i> device that supports the A2DP protocol.	62
	The connection profile registered in the <i>Bluetooth</i> device may not be functioning correctly for some reason.	Delete the connection profile in the <i>Bluetooth</i> device, and then connect the <i>Bluetooth</i> device to this unit.	32
	The passkey on the <i>Bluetooth</i> adapter or other device may be set to a code besides “0000”.	Use a <i>Bluetooth</i> device on which the passkey is set to “0000”.	—
No sound can be heard, or the sound cuts off intermittently.	The volume on the <i>Bluetooth</i> device is too low.	Raise the volume on the <i>Bluetooth</i> device.	—
	The sound output on the <i>Bluetooth</i> device may not be set to this unit.	Select this unit as the output destination on the <i>Bluetooth</i> device.	32
	The connection to the <i>Bluetooth</i> device is cut off.	Reconnect with the <i>Bluetooth</i> device.	32
	The unit is too far from the <i>Bluetooth</i> device.	Move the <i>Bluetooth</i> device closer to this unit.	—
	A device emitting electromagnetic waves (such as a microwave oven and a wireless device) may be located nearby.	Do not use this unit near devices that emit electromagnetic waves.	—

■ USB/network

Problem	Possible cause	Remedy	See page
The unit does not detect the USB storage device.	The USB storage device is not connected to the USB jack securely.	Turn off the unit, reconnect your USB device, and turn the unit on again.	39
	The file system of the USB storage device is not FAT16 or FAT32.	Use a USB storage device with FAT16 or FAT32 format.	62
Folders and files in the USB device cannot be viewed.	The data in the USB storage device is protected by the encryption.	Use a USB storage device without an encryption function.	62
The network function cannot be used.	The network information (IP address) has not been properly acquired.	Enable the DHCP server function on your router and set "DHCP" in the "Setup" menu to "On" on the unit. If you want to configure the network parameters manually, make sure that the IP address of this unit is different from that of other devices on the network.	49
The unit cannot connect to the Internet via wireless LAN router (access point).	The wireless LAN router (access point) is turned off.	Turn on the wireless LAN router (access point).	—
	The unit is too far from the wireless LAN router (access point).	Set up this unit closer to the wireless LAN router (access point).	—
	There is an object blocking the signal path between this unit and the wireless LAN router (access point).	Set up this unit so that there is a clear signal path between this unit and the wireless LAN router (access point).	—
A wireless network cannot be found.	A device emitting electromagnetic waves (such as a microwave oven and a wireless device) may be located nearby.	When connecting wirelessly, do not use this unit near devices that emit electromagnetic waves.	—
	Access to the network is restricted, due to a firewall on the wireless LAN router (access point).	Check the firewall settings of the wireless LAN router (access point).	—
The PC (server) cannot be detected.	The media sharing settings on the PC (server) is incorrect.	Change the media sharing settings so that this unit can access the folder on the PC (server).	34
	Access is restricted due to the security settings on the PC (server) or router.	Check the security settings on the computer (server) and wireless LAN router (access point).	—
	This unit and the PC (server) are not connected to the same network.	Check the network and router settings, to make sure that they are connected to the same network.	—
The files on the PC (server) cannot be viewed (played back).	The file format may not be compatible with this unit or with the PC (server).	Use a file format that is compatible with this unit and with the PC. For details on supported file formats, see "Supported file formats".	62
Internet radio cannot be played.	The selected Internet radio station is currently not available.	There may be a network problem at the radio station, or the service may have been stopped. Try the station later or select another station.	—
	The selected Internet radio station is currently broadcasting silence.	Some Internet radio stations broadcast silence at certain of times of the day. Try the station later or select another station.	—
	Access to the network is restricted due to the firewall settings on a network device, such as a wireless LAN router (access point).	Check the firewall settings of your network devices. The Internet radio can be played only when it passes through the port designated by each radio station. The port number varies depending on the radio station.	—

Problem	Possible cause	Remedy	See page
This unit cannot be detected when using AirPlay on an iPhone.	A wireless LAN router (access point) that supports multiple SSIDs is used.	The network separator function on the wireless LAN router (access point) may be preventing this unit from being accessed. When connecting to this unit with an iPhone, use an SSID on which this unit can be accessed (try connecting via the primary SSID).	—
The unit is not detected when using a dedicated application on a mobile device.	This unit and the mobile device are not connected to the same network.	Check the network and router settings, to make sure that they are connected to the same network.	—
	A wireless LAN router (access point) that supports multiple SSIDs is used.	The network separator function on the wireless LAN router (access point) may be preventing this unit from being accessed. When connecting to this unit with a mobile device, use an SSID on which this unit can be accessed (try connecting via the primary SSID).	—
Firmware update via the network is failed.	The network connection is no good.	Try connecting again after a while, or a USB storage device to update the firmware.	53
The unit cannot connect to the wireless LAN router (access point).	MAC address filtering is enabled on the wireless LAN router (access point).	This unit cannot connect to the wireless LAN router (access point) if its MAC address filtering is enabled. Change the settings on the wireless LAN router (access point) to allow this unit to connect.	—

Error indications on the front display

Message	Possible cause	Remedy
Access denied	Access to the PC is denied.	Configure the sharing settings and select the unit as a device to which music contents are shared (p. 34).
Access error	The unit cannot access the USB device.	Turn off the unit and reconnect your USB device. If the problem persists, try another USB device.
	The unit cannot access the iPod.	Turn off the iPod and turn it on again.
	The connected iPod is not supported by the unit.	Use an iPod supported by the unit (p. 62).
	There is a problem with the signal path from the network to the unit.	Make sure your router and modem are turned on. Check the connection between the unit and your router (or hub) (p. 14).
Check SP Wires	The speaker cables short circuit.	Twist the bare wires of the cables firmly and connect to the unit and speakers properly.
No content	There are no playable files in the selected folder.	Select a folder that contains files supported by the unit.
Please wait	The unit is preparing for connecting to the network.	Wait until the message disappears. If the message stays more than 3 minutes, turn off the unit and turn it on again.
Unable to play	The unit cannot play back the songs stored on the iPod for some reason.	Check the song data. If it cannot be played on the iPod itself, the song data or storage area may be defective.
	The unit cannot play back the songs stored on the PC for some reason.	Check if the format of files you are trying to play is supported by the unit. For information about the formats supported by the unit, see “Playing back music stored on media servers (PCs/NAS)” (p. 34). If the unit supports the file format, but still cannot play back any files, the network may be overloaded with heavy traffic.
Version error	Firmware update is failed.	Update the firmware again.

Supported devices and file formats

Supported devices

■ Bluetooth device

- This unit supports Bluetooth devices that support A2DP audio profile and AVRCP control profile.
- *Bluetooth* device may not be detected by the unit or some feature may not be compatible, depending on the model.

■ USB storage device

- This unit supports USB mass storage class devices (e.g., flash memories or portable audio players) using FAT16 or FAT32 format.
- USB storage devices with encryption cannot be used.
- Some features may not be compatible, depending on the model or manufacturer of the USB storage device.

■ AirPlay

- AirPlay works with iPhone, iPad, and iPod touch with iOS 4.3.3 or later, Mac with OS X Mountain Lion or later, and Mac and PC with iTunes 10.2.2 or later.
- Made for:
iPhone 7 Plus, iPhone 7, iPhone SE, iPhone 6s Plus, iPhone 6s, iPhone 6 Plus, iPhone 6, iPhone 5s, iPhone 5c, iPhone 5, iPhone 4s
iPad Pro (9.7" and 12.9"), iPad mini 4, iPad Air 2, iPad mini 3, iPad Air, iPad mini 2, iPad mini, iPad (3rd and 4th generation), iPad 2
iPod touch (5th and 6th generation)
(as of June 2017)

Supported file formats

■ USB/PC (NAS)

File	Sampling frequency (kHz)	Quantization bitrate (bit)	Bitrate	Gapless playback
WAV *	32/44.1/48/88.2/96/176.4/192	16/24	—	✓
MP3	32/44.1/48	—	8 to 320	—
WMA	32/44.1/48	—	8 to 320	—
MPEG-4 AAC	32/44.1/48	—	8 to 320	—
FLAC	32/44.1/48/88.2/96/176.4/192	16/24	—	✓
ALAC	32/44.1/48/88.2/96	16/24	—	✓
AIFF	32/44.1/48/88.2/96/176.4/192	16/24	—	✓
DSD	2.8MHz/5.6MHz	1	—	—

* Linear PCM format only

Note

- To play back FLAC files stored on a PC or NAS, 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.
- Digital Rights Management (DRM) contents cannot be played back.

Trademarks



Supports iOS 7 or later for setup using Wireless Accessory Configuration.

“Made for iPod,” “Made for iPhone,” and “Made for iPad” mean that an electronic accessory has been designed to connect specifically to iPod, iPhone, or iPad, respectively, and has been certified by the developer to meet Apple performance standards.

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Bluetooth protocol stack (Blue SDK)

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Yamaha Eco-Label is a mark that certifies products of high environmental performance.



Digital Audio Broadcasting



Digital Audio Broadcasting

(For R-N803D)

The unit supports DAB/DAB+ tuning.

Explanations regarding GPL

This product utilizes GPL/LGPL open-source software in some sections. You have the right to obtain, duplicate, modify, and redistribute this open-source code only. For information on GPL/ LGPL open source software, how to obtain it, and the GPL/LGPL license, refer to the Yamaha Corporation website (<http://download.yamaha.com/sourcecodes/musiccast/>).

Specifications

Network

- Input jack: NETWORK x 1 (100Base-TX/10Base-T)
- PC client function
- Compatible with DLNA ver. 1.5
- AirPlay supported
- Internet radio
- Streaming service
- Wi-Fi function
 - Capable of direct connection with mobile device
 - Available security method
 - WEP, WPA2-PSK(AES), Mixed Mode
 - Radio frequency band 2.4 GHz
 - Radio frequency (operational frequency)
 - 2412 MHz to 2472 MHz
 - Maximum output power (E.I.R.P) 17.5 dBm (56.2 mW)
 - Wireless network standard IEEE 802.11 b/g/n
 - Wi-Fi settings
 - WPS (Wi-Fi Protected Setup) Capable of WPS
 - Capable of sharing with iOS devices by wireless connection.

Bluetooth related function

- Version Bluetooth 2.1 + EDR
- Frequency 2.4 GHz
- Radio frequency (operational frequency)
 - 2402 MHz to 2480 MHz
- Maximum output power (E.I.R.P) 4.0 dBm (2.5 mW)
- Wireless output Bluetooth Class 2
- Profiles
 - Source function
 - The unit → sink device (ex. Bluetooth headphones)
 - Profile: A2DP version 1.3, AVRCP version 1.6
 - CODEC: SBC
 - Sink function
 - The unit ← source device (ex. iPhone/Android)
 - Profile: A2DP version 1.3, AVRCP version 1.6
 - CODEC: SBC, AAC

USB

- Input jack: USB x 1 (USB 2.0)
- Capable of mass storage class USB memory
- Current supply capacity: 1.0 A

Audio

- Minimum RMS output power
 - (20 Hz to 20 kHz, 0.019% THD, 8Ω) 100 W+100 W
- Dynamic power per channel (IHF) (8/6/4/2Ω)
 - 140/170/220/290 W
- Maximum power per channel (1 kHz, 0.7% THD, 4Ω)
 - [U.K. and Europe models] 160 W
- IEC power (1 kHz, 0.04% THD, 8Ω)
 - [U.K. and Europe models] 115 W
- Power band width (main L/R)
 - (0.06%THD 40.0 W, 8Ω) 10 Hz to 50 kHz
- Damping factor (SPEAKERS A)
 - 1 kHz, 8Ω 240 or more
- Maximum effective output power (JEITA)
 - (1 kHz, 10% THD, 8Ω)
 - [Asia and General models] 145 W
- Input sensitivity/input impedance
 - PHONO (MM) 2.5 mV/47 kΩ
 - CD, etc. 200 mV/47 kΩ
- Maximum input signal
 - PHONO (MM) (1 kHz, 0.03% THD) 45 mV
 - CD, etc. (1 kHz, 0.5% THD) 2.2 V
- Output level/output impedance
 - CD, etc. (input 1 kHz, 200 mV)
 - OUT 200 mV/1.0 kΩ
 - SUBWOOFER OUT 4.0 V/1.2 kΩ

- (Cut off frequency) 90 Hz
- PHONES (8Ω load) 470 mV/470Ω
- Frequency response
 - CD, etc. (20 Hz to 20 kHz) 0 ± 0.5 dB
 - CD, etc. (10 Hz to 100 kHz, PURE DIRECT on) 0 ± 1.0 dB
- RIAA equalization deviation
 - PHONO (MM) ± 0.5 dB
- Total harmonic distortion
 - PHONO (MM) to OUT
 - (20 Hz to 20 kHz, 2.5 V) 0.03% or less
 - CD, etc. to SPEAKERS
 - (20 Hz to 20 kHz, 50.0 W, 8Ω) 0.019% or less
- Signal to noise ratio (IHF-A Network)
 - PHONO (MM) (input shorted, 5 mV)
 - [U.S.A., Canada, Asia, General models] 82 dB or more
 - [U.K., Europe, Korea, Australia models] 75 dB or more
 - CD, etc. (input shorted, 200 mV) 100 dB or more
- Residual noise (IHF-A network) 70 μV
- Channel separation
 - CD, etc. (5.1 kΩ input shorted, 1 kHz/10 kHz)
 - 65/50 dB or more
- Tone control characteristics
 - BASS
 - Boost/cut (20 Hz) ± 10 dB
 - Turnover frequency 300 Hz
 - TREBLE
 - Boost/cut (20 kHz) ± 10 dB
 - Turnover frequency 3.0 kHz
- Continuous loudness control
 - Attenuation 1 kHz -30 dB
- Gain tracking error (+16.5 to -80 dB) 0.5 dB or less
- Digital input (OPTICAL/COAXIAL)
 - Support audio sample rate 32/44.1/48/88.2/96/176.4/192 kHz

FM

- Tuning range
 - [U.S.A. and Canada models] 87.5 to 107.9 MHz
 - [Asia and General models] 87.5/87.50 to 108.0/108.00 MHz
 - [U.K., Europe, Korea, Australia models] 87.50 to 108.00 MHz
- 50 dB quieting sensitivity (IHF, 1 kHz, 100% MOD.)
 - Mono 3.0 μV (20.8 dBf)
- Signal to noise ratio (IHF)
 - Mono/stereo 69 dB/67 dB
- Harmonic distortion (1 kHz)
 - Mono/stereo 0.5%/0.6%
- Antenna input 75Ω unbalanced

AM (R-N803)

- Tuning range
 - [U.S.A. and Canada models] 530 to 1710 kHz
 - [Asia and General models] 530/531 to 1710/1611 kHz
 - [Korea model] 531 to 1611 kHz

DAB (R-N803D)

- Tuning range 174 to 240 MHz (Band III)
- Support audio format
 - MPEG 1 Layer II/MPEG 4 HE AAC v2 (AAC+)
- Antenna input 75Ω unbalanced

General

- Power supply
 - [U.S.A. and Canada models] AC 120 V, 60 Hz
 - [General model] AC 110-120/220-240 V, 50/60 Hz
 - [Korea model] AC 220 V, 60 Hz
 - [Australia model] AC 240 V, 50 Hz
 - [U.K. and Europe models] AC 230 V, 50 Hz
 - [Asia model] AC 220-240 V, 50/60 Hz
- Power consumption 250 W
- Off mode 0.1 W

- Standby power consumption (reference data) 0.1 W
- Network Standby on
 - Wired 1.7 W
 - Wireless (Wi-Fi/Wireless Direct/*Bluetooth*)..... 1.8 W
- Maximum power consumption (1 kHz, 8Ω, 10% THD)
 - [Asia and General models] 450 W
- Dimensions (W × H × D) 435 × 151 × 392 mm
(17-1/8" × 6" × 15-7/16")
 - * Including legs and protrusions
- Reference Dimensions (W × H × D) (with wireless antenna upright)
 - 435 × 215 × 392 mm
(17-1/8" × 8-1/2" × 15-7/16")
 - * Including legs and protrusions
- Weight 11.0 kg (24.25 lbs)

* 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.

Index

A		Front display	6
AC IN jack	7	Front display, switching information	22
ADVANCED SETUP menu	52	H	
AirPlay	38	HOME, remote control	8
AM antenna	13	I	
AM radio	25	Information, Network, setup menu	48
ANTENNA terminals	7	INIT, ADVANCED SETUP menu	53
Auto Playback, option menu	46	Initialize, ADVANCED SETUP menu	53
Auto preset, FM radio stations	25	Initiate Scan, option menu	46
Auto Preset, option menu	46	Input selection keys, remote control	8
Automatic playback, PC music content	36	INPUT selector	5
Automatic playback, USB content	40	Internal Error, front display message	44
Automatic speaker settings	42	Internet radio	37
AutoPowerStdby (Auto Power Standby), setup menu	51	iOS device setting sharing, wireless network connection	16
B		IP Address, Network, setup menu	49
BALANCE control	23	iPod content playback, AirPlay	38
Banana plug, connection	11	iTunes content playback, AirPlay	38
BASS control	23	L	
Batteries, remote control	9	Level Error, front display message	45
Bi-wire connection	12	LINE jacks	7
Bluetooth device playback	32	LOUDNESS control	24
Bluetooth indicator	6	M	
Bluetooth, setup menu	50	Manual preset, FM/AM radio stations	26
C		Manual setting, wireless network connection	18
CD jacks	7	Media sharing setup	34
CD player, connection	10	Message, front display	61
Clear Preset, option menu	46	MusicCast	20
Clearing preset station	27	MUTE	6
COAXIAL jacks	7	N	
Connection, Network, setup menu	48	NAS content playback	34
Control Knob, front display message	44	Network cable, connection	14
D		Network connection	15
DAB antenna	13	NETWORK jack	7
DAB radio	29	Network Name, Network, setup menu	49
DIMMER	4	Network, setup menu	48
Disconnect MIC, front display message	43	No MIC, front display message	44
Disconnection, Bluetooth connection	33	No Signal, front display message	44
DLNA	34	No SPEAKERS, front display message	44
DMC Control, Network, setup menu	49	No Warning, front display message	43
DVD player, connection	10	Noisy, front display message	44
E		NOW PLAYING, remote control	8
ECO Mode, setup menu	51	O	
[ENTER]:Start, front display message	43	OPTICAL jacks	7
Error messages, YPAO	44	Option menu	46
F		Out of Phase, front display message	45
Firmware update via network	54	Over Distance, front display message	45
Firmware update, ADVANCED SETUP menu	53	P	
Firmware version, ADVANCED SETUP menu	52	Pairing, Bluetooth device	32
FM antenna	13	PCs content playback	34
FM radio	25		

PHONES jack	5	VOLUME control	5
PHONES, front display message	44	Volume Trim, option menu.....	46
PHONO jacks	7	Volume, setup menu	50
Playback keys	9	W	
Playback, Bluetooth device contents	32	WAC	15
Playing back, PCs/NAS content	34	Warning messages, YPAO.....	45
Playing back, USB content	39	Wireless antenna	14
Power cord, connection	14	Wireless Direct.....	19
Power indicator	4	WPS push button configuration, wireless network connection	17
Preset function, DAB.....	30	Y	
Preset, song/streaming station	41	YPAO.....	42
PURE DIRECT switch	23	YPAO VOL.....	6
Pure Direct, front display message	44	YPAO, setup menu	50
R			
Radio Data System tuning	28		
Remote control ID, ADVANCED SETUP menu.....	52		
Repeat playback, AirPlay	38		
Repeat playback, PC music content.....	35		
Repeat playback, USB content	40		
Result Info., front display message.....	43		
RETURN	5		
S			
SELECT/ENTER.....	5		
Setup menu	47		
Shuffle playback, AirPlay.....	38		
Shuffle playback, PC music content.....	35		
Shuffle playback, USB content.....	40		
Signal Info., option menu	46		
Signal strength indicator	6		
SLEEP.....	6		
Sleep timer.....	24		
SP IMP., ADVANCED SETUP menu	52		
Speaker impedance, ADVANCED SETUP menu.....	52		
Speaker, connection	10		
SPEAKERS A/B.....	5		
SPEAKERS terminals	7		
Standby (Network Standby), Network, setup menu	49		
STEREO	6		
SUBWOOFER OUT jack	7		
Subwoofer, connection	10		
T			
TREBLE control.....	23		
TRIGGER OUT jacks.....	7		
Tune Aid, option menu	46		
TUNED.....	6		
Turntable, connection	10		
U			
Update (Network Update), Network, setup menu	50		
UPDATE, ADVANCED SETUP menu	53		
USB content playback	39		
User Cancel, front display message.....	44		
V			
Verification, network connection	20		
VERSION, ADVANCED SETUP menu	52		
Vol.Interlock (Volume interlock), option menu.....	46		

Information for users on collection and disposal of old equipment and used batteries:



These symbols on the products, packaging, and/or accompanying documents mean that used electrical and electronic products and batteries should not be mixed with general household waste.

For proper treatment, recovery and recycling of old products and used batteries, please take them to applicable collection points, in accordance with your national legislation.



By disposing of these products and batteries correctly, you will help to save valuable resources and prevent any potential negative effects on human health and the environment which could otherwise arise from inappropriate waste handling.



For more information about collection and recycling of old products and batteries, please contact your local municipality, your waste disposal service or the point of sale where you purchased the items.

Cd

For business users in the European Union:

If you wish to discard electrical and electronic equipment, please contact your dealer or supplier for further information.

Information on Disposal in other Countries outside the European Union:

These symbols are only valid in the European Union. If you wish to discard these items, please contact your local authorities or dealer and ask for the correct method of disposal.

Note for the battery symbol (bottom two symbol examples):

This symbol might be used in combination with a chemical symbol. In this case it complies with the requirement set by the EU Battery Directive for the chemical involved.

(weee_battery_eu_en_02)

<p>EN English</p> <p>SIMPLIFIED EU DECLARATION OF CONFORMITY</p> <p>Hereby, Yamaha Music Europe GmbH declares that the radio equipment type [R-N803D] is in compliance with Directive 2014/53/EU. The full text of the EU declaration of conformity is available at the following internet address: https://europe.yamaha.com/en/support/compliance/doc.html</p>	<p>CS Czech</p> <p>ZJEDNODUŠENÉ EU PROHLÁŠENÍ O SHODĚ</p> <p>Tímto Yamaha Music Europe GmbH prohlašuje, že typ rádiového zařízení [R-N803D] je v souladu se směrnicí 2014/53/EU. Úplné znění EU prohlášení o shodě je k dispozici na této internetové adrese: https://europe.yamaha.com/en/support/compliance/doc.html</p>
<p>FR French</p> <p>DECLARATION UE DE CONFORMITE SIMPLIFIEE</p> <p>Le soussigné, Yamaha Music Europe GmbH, déclare que l'équipement radioélectrique du type [R-N803D] est conforme à la directive 2014/53/UE. Le texte complet de la déclaration UE de conformité est disponible à l'adresse internet suivante: https://europe.yamaha.com/en/support/compliance/doc.html</p>	<p>DA Danish</p> <p>FORENKLET EU-OVERENSSTEMMELSESERKLÆRING</p> <p>Hermed erklærer Yamaha Music Europe GmbH, at radioudstyrstypen [R-N803D] er i overensstemmelse med direktiv 2014/53/EU. EU-overensstemmelseserklæringens fulde tekst kan findes på følgende internetadresse: https://europe.yamaha.com/en/support/compliance/doc.html</p>
<p>DE German</p> <p>VEREINFACHTE EU-KONFORMITÄTSEKTLÄRUNG</p> <p>Hiermit erklart Yamaha Music Europe GmbH, dass der Funkanlagentyp [R-N803D] der Richtlinie 2014/53/EU entspricht. Der vollständige Text der EU-Konformitätserklärung ist unter der folgenden Internetadresse verfügbar: https://europe.yamaha.com/en/support/compliance/doc.html</p>	<p>ET Estonian</p> <p>LIHTSUSTATUD ELI VASTAVUSDEKLARATSIOON</p> <p>Käesolevaga deklareerib Yamaha Music Europe GmbH, et käesolev raadioseadme tüüp [R-N803D] vastab direktiivi 2014/53/EL nõuetele. ELi vastavusdeklaratsiooni täielik tekst on kättesaadav järgmisel internetiaadressil: https://europe.yamaha.com/en/support/compliance/doc.html</p>
<p>SV Swedish</p> <p>FÖRENKLAD EU-FÖRSÄKRAN OM ÖVERENSSTÄMMELSE</p> <p>Härmed försäkrar Yamaha Music Europe GmbH att denna typ av radioutrustning [R-N803D] överensstämmer med direktiv 2014/53/EU. Den fullständiga texten till EU-försäkran om överensstämmelse finns på följande webbadress: https://europe.yamaha.com/en/support/compliance/doc.html</p>	<p>EL Greek</p> <p>ΑΠΛΟΥΣΤΕΥΜΕΝΗ ΔΗΛΩΣΗ ΣΥΜΜΟΡΦΩΣΗΣ ΕΕ</p> <p>Με την παρούσα ο/η Yamaha Music Europe GmbH, δηλώνει ότι ο ραδιοεξοπλισμός [R-N803D] πληροί την οδηγία 2014/53/ΕΕ. Το πλήρες κείμενο της δήλωσης συμμόρφωσης ΕΕ διατίθεται στην ακόλουθη ιστοσελίδα στο διαδίκτυο: https://europe.yamaha.com/en/support/compliance/doc.html</p>
<p>IT Italian</p> <p>DICHIARAZIONE DI CONFORMITÀ UE SEMPLIFICATA</p> <p>Il fabbricante, Yamaha Music Europe GmbH, dichiara che il tipo di apparecchiatura radio [R-N803D] è conforme alla direttiva 2014/53/UE. Il testo completo della dichiarazione di conformità UE è disponibile al seguente indirizzo Internet: https://europe.yamaha.com/en/support/compliance/doc.html</p>	<p>HR Croatian</p> <p>POJEDNOSTAVLJENA EU IZJAVA O SUKLADNOSTI</p> <p>Yamaha Music Europe GmbH ovime izjavljuje da je radijska oprema tipa [R-N803D] u skladu s Direktivom 2014/53/EU. Cjeloviti tekst EU izjave o sukladnosti dostupan je na sljedećoj internetskoj adresi: https://europe.yamaha.com/en/support/compliance/doc.html</p>
<p>ES Spanish</p> <p>DECLARACIÓN UE DE CONFORMIDAD SIMPLIFICADA</p> <p>Por la presente, Yamaha Music Europe GmbH declara que el tipo de equipo radioeléctrico [R-N803D] es conforme con la Directiva 2014/53/UE. El texto completo de la declaración UE de conformidad está disponible en la dirección Internet siguiente: https://europe.yamaha.com/en/support/compliance/doc.html</p>	<p>LV Latvian</p> <p>VIENKĀRŠOTA ES ATBILSTĪBAS DEKLARĀCIJA</p> <p>Ar šo Yamaha Music Europe GmbH deklarē, ka radioiekārta [R-N803D] atbilst Direktīvai 2014/53/ES. Pilns ES atbilstības deklarācijas teksts ir pieejams šādā interneta vietnē: https://europe.yamaha.com/en/support/compliance/doc.html</p>
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PL	Polish
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Yamaha Music Europe GmbH niniejszym oświadcza, że typ urządzenia radiowego [R-N803D] jest zgodny z dyrektywą 2014/53/UE. Pełny tekst deklaracji zgodności UE jest dostępny pod następującym adresem internetowym: https://europe.yamaha.com/en/support/compliance/doc.html	
PT	Portuguese
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O(a) abaixo assinado(a) Yamaha Music Europe GmbH declara que o presente tipo de equipamento de rádio [R-N803D] está em conformidade com a Diretiva 2014/53/UE. O texto integral da declaração de conformidade está disponível no seguinte endereço de Internet: https://europe.yamaha.com/en/support/compliance/doc.html	
RO	Romanian
DECLARAȚIA UE DE CONFORMITATE SIMPLIFICATĂ	
Prin prezenta, Yamaha Music Europe GmbH declară că tipul de echipamente radio [R-N803D] este în conformitate cu Directiva 2014/53/UE. Textul integral al declarației UE de conformitate este disponibil la următoarea adresă internet: https://europe.yamaha.com/en/support/compliance/doc.html	
SK	Slovak
ZJEDNODUŠENÉ EÚ VYHLÁSENIE O ZHODE	
Yamaha Music Europe GmbH týmto vyhlasuje, že rádiové zariadenie typu [R-N803D] je v súlade so smernicou 2014/53/EÚ. Úplné EÚ vyhlásenie o zhode je k dispozícii na tejto internetovej adrese: https://europe.yamaha.com/en/support/compliance/doc.html	
SL	Slovenian
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FI	Finnish
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Yamaha Music Europe GmbH vakuuttaa, että radiolaitetyypin [R-N803D] on direktiivin 2014/53/EU mukainen. EU-vaatimustenmukaisuusvakuutuksen täysimittainen teksti on saatavilla seuraavassa internetosoitteessa: https://europe.yamaha.com/en/support/compliance/doc.html	
TR	Turkey
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