YAMAHA

User Guide

Headphones

YH-L700A

EN

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Notice

About this Documentation

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Notice regarding the contents of this documentation

- This documentation is a user's guide intended for the following readers.
  - Those who will use this product
- This documentation classifies precautions and other matters as follows.
  - **WARNING**

    This content indicates *"risk of serious injury or death."*
  - **CAUTION**

    This content indicates *"risk of injury."*
  - **NOTICE**

    Indicates points that you must observe in order to prevent product failure, damage or malfunction and data loss, as well as to protect the environment.
  - **NOTE**

    Indicates notes on instructions, restrictions on functions, and additional information that may be helpful.
- All illustrations and screens shown in this documentation are for explanatory purposes.
- All company names, product names and other such listings in this documentation are the registered trademarks or trademarks of their respective companies.
- Software may be revised and updated without prior notice.

Handling this product

Battery-related notes

The lithium-ion battery contained in this product is a consumable item. To extend the life of the battery as long as possible, use caution regarding the following.

- If the product is not used for a long period of time, the charging time may get longer.
- When storing the product for a long time, charge the product around once every six months to avoid excessive discharge.

Product Overview

Advantages of this product

This product is a set of wireless headphones that connects to Bluetooth devices such as a portable music player or smartphone over the air.

High-definition playback of sound from Bluetooth devices

This product supports the Qualcomm aptX™ Adaptive and AAC codecs.

ADVANCED ANC feature

This feature analyzes the playback sound and outside noise, and reduces only the noise while maintaining the playback sound quality. By reducing noises from outside such as trains, buses and so on, you can absorb yourself in the music without the need to raise the volume too much.

AMBIENT SOUND function

The sounds around you will be mixed together with the playback sound. This feature is convenient in situations like when you want to briefly talk with someone.

LISTENING CARE (LISTENING CARE - ADVANCED) feature

This product features LISTENING CARE (LISTENING CARE - ADVANCED), which lets you enjoy rich sound quality even at low volumes.

Focusing on the characteristics of the human ear where the low- and high-end sounds become harder to hear at lower volumes, as well as how things sound differently in different listening environments, this feature corrects the sound balance for the optimal sound to match the volume. By rendering a natural sound that's easy to listen to, this feature reduces the load on your ears caused by excessive levels.

LISTENING OPTIMIZER feature

This analyzes the audio in real time and adjusts the sound quality to best match how this product fits on your ears and your ear shape.

3D SOUND FIELD feature

This product includes a 3D SOUND FIELD feature, which lets you enjoy the playback of surround sound with full three-dimensional presence.

Select the optimum sound field effect to match the contents you are playing back.

Smartphone feature support

You can use this product to talk on the phone and start up the voice assistant while connected to this product.

Dedicated smartphone app: Headphone Control

Use the Headphone Control app to configure more detailed settings.

Related links

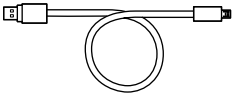
- “About the app for earphones/headphones” (p.28)
- “Playing back sound according to your surroundings” (p.29)
- “Playing back in surround sound” (p.31)

Accessories

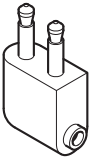
Make sure that all of the accessories are included with this product.

Headphones (main unit)

USB power cable (50 cm; type C to A)

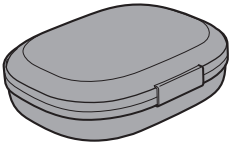


In-flight plug adaptor



3.5 mm stereo mini-plug cable

Carrying case



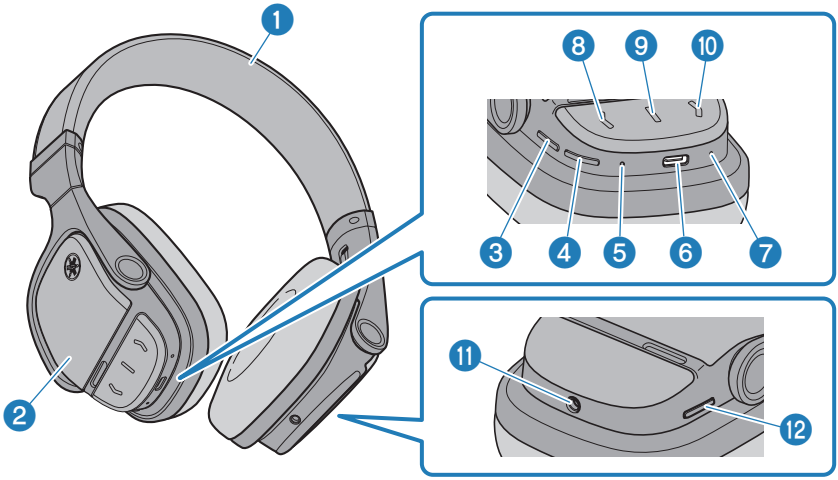
Quick Start Guide

User Guide (Basic)

Safety Brochure

Part names

Below is an explanation of the parts of the headphones.



1. **Headband**
2. **Housing**
3. **3D key**
4. **Power key**
5. **Indicator**
6. **Charging connector**
   Plug the USB power cable into the connector for charging.
7. **Microphone**
   Captures the sound of your voice when you make a phone call.
8. **– key**
9. **Function key**
10. **+ key**
11. **External input jack**
12. **ANC key**

NOTE

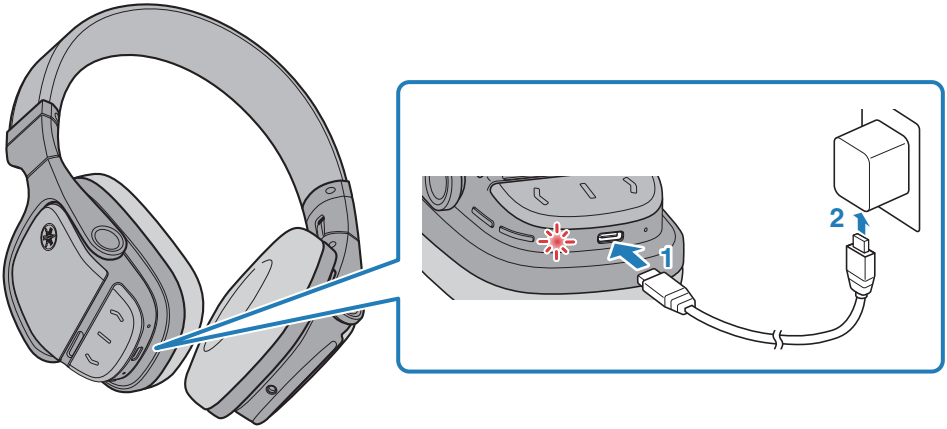
The housing features a built-in microphone that capture ambient sounds. If your hand is covering the housing, the NOISE CANCELLING and AMBIENT SOUND will not work properly, and you may hear noise.

Charging and Powering

Charging this product

Before using this product, charge the controller.

Make sure to use the USB power cable that was included with this product. Also, when using a USB power adaptor, be sure that the adaptor is compatible with 5 V DC (at least 0.5 A) commercially available power output.



1 Plug the USB power cable into the controller.

2 Plug the USB power cable into the USB power adaptor.

The indicator lights up during charging, and turns off when charging is completed.

NOTE

- You may not be able to charge if you use a USB power cable other than the one included with this product.
- You may charge from the USB port on your computer instead of using a USB power adaptor.
- This product's power will turn off during charging. You will not be able to operate or play music at this time.

NOTICE

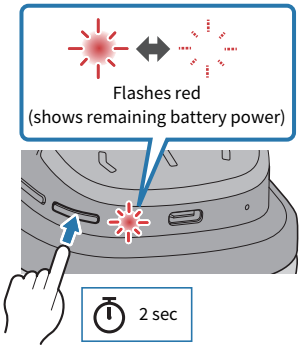
- When charging this product inside of China, be sure to use a USB power adaptor that is approved by CCC.

Turning the power on

Turn the power on.

1 **Hold down the power key for two seconds.**

The indicator lights up as shown below, and the power turns on.



Related links

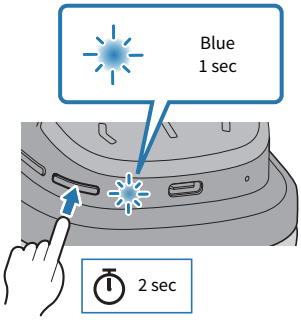
- “Checking the remaining battery power” (p.15)
- “Registering a Bluetooth device (pairing)” (p.16)
- “Connecting to a Bluetooth device” (p.18)

Turning the power off

Turn the power of this product off.

1 **Hold down the power key for two seconds.**

The indicator lights up as shown below, and the power turns off.



Checking the remaining battery power

After this product are turned on, you can check how much battery power is left from the flashing indicator and the audio message.

- Audio messages:
  - Battery High: plenty of charge remaining
  - Battery Medium: moderate charge remaining
  - Battery Low: small amount of charge remaining
- Indicator (on controller):
  - Flashes three times (red): plenty of charge remaining
  - Flashes two times (red): moderate charge remaining
  - Flashes one time (red): small amount of charge remaining

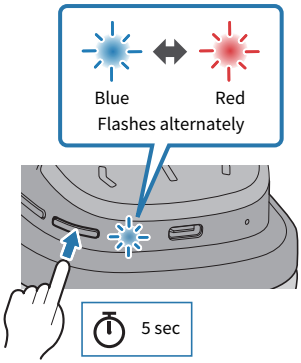
Connections

Registering a Bluetooth device (pairing)

When first connecting this product to a Bluetooth device, follow the steps below to register (pair) this product with that device.

1 Set this product to pairing mode.

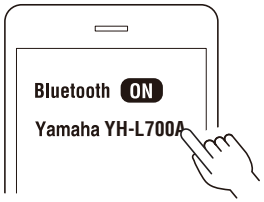
With the power turned off, hold down the Power key until the indicator flashes as shown in the illustration below. You will hear the “Pairing” audio message in the earphone, and the earphone will enter registration (pairing) standby mode.



2 Activate the Bluetooth function on the Bluetooth device.

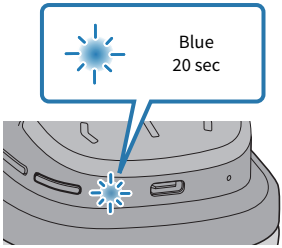
A list of Bluetooth devices that can be connected will be shown.

3 Select this product from this list on your Bluetooth device.



If successfully connected, you will hear the “Pairing Successful” audio message.

The indicator on this product lights up blue (for about 20 seconds).



NOTE

- Pairing standby mode will automatically end after about two minutes. To register again, start from step 1.
- Up to 8 devices can be registered with this product. From the 9th device on, older registrations will be deleted (the oldest is deleted first).
- If a passkey is required when connecting, input “0000”.

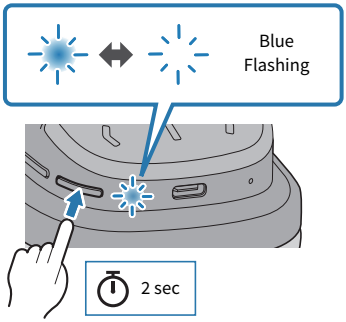
Related links

- “Connecting to a Bluetooth device” (p.18)
- “Disconnecting from a Bluetooth device” (p.19)
- “About the app for earphones/headphones” (p.28)

Connecting to a Bluetooth device

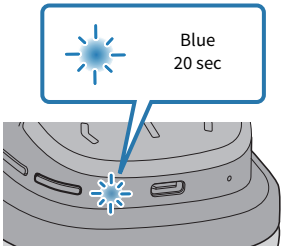
This product connects to Bluetooth devices with which it has already been registered (paired).

When you turn the power on, they will search for the last Bluetooth device to which they were connected, and connect automatically.



If this product do not automatically connect to a Bluetooth device, it is waiting for connection. Operate the Bluetooth device to connect with this product.

If successfully connected, you will hear the “Connected” audio message. The indicator will display as shown below.



NOTE

This product connects to a single Bluetooth device, and cannot connect to multiple devices at the same time.

Related links

- “Registering a Bluetooth device (pairing)” (p.16)
- “Disconnecting from a Bluetooth device” (p.19)
- “About the app for earphones/headphones” (p.28)

Disconnecting from a Bluetooth device

Follow the steps below to disconnect a Bluetooth device.

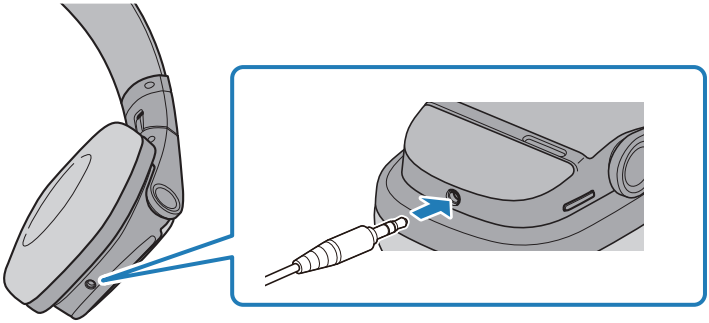
- Disconnect the earphones by operating the Bluetooth device.
  - This product will enter the waiting mode for a connection from a Bluetooth device.
- Turn the Bluetooth device's power off.
  - This product will enter the waiting mode for a connection from a Bluetooth device.
- Turn the power of this product off.

Related links

- "Registering a Bluetooth device (pairing)" (p.16)
- "Connecting to a Bluetooth device" (p.18)
- "About the app for earphones/headphones" (p.28)

Connecting using the cable

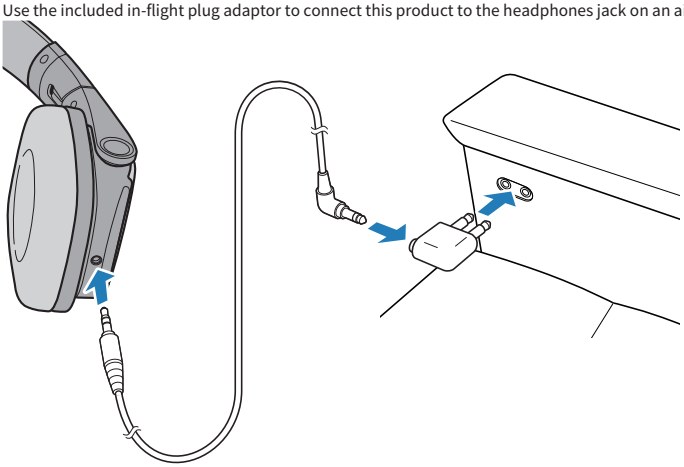
You can connect this product to the headphone output jack of an external device by using the 3.5 mm stereo mini-plug cable (included).



- The following functions will not be available when connecting via cable.
  - Connecting to a Bluetooth device
  - Phone calls
  - Operating this product using the Headphone Control
  - Using the − and + keys
- When this product is on, you can switch between AMBIENT SOUND and NOISE CANCELLING by using the ANC key, even when the cable is connected.
- When this product is on, you can switch the 3D SOUND FIELD by using the 3D key, even when the cable is connected.
- When using this product with the cable connected, you can still use it as a regular pair of headphones with the power turned off.
- Unplugging the cable will turn off the power.

NOTE

Use the included in-flight plug adaptor to connect this product to the headphones jack on an airplane seat.



Wearing this product

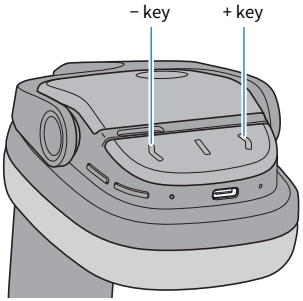
Putting the headphones on

Check the markings on the headphones for the left and right sides to make sure the headphones are positioned correctly when you put them on.

Operating this Product

Adjusting the volume

Follow the steps below to adjust the volume.



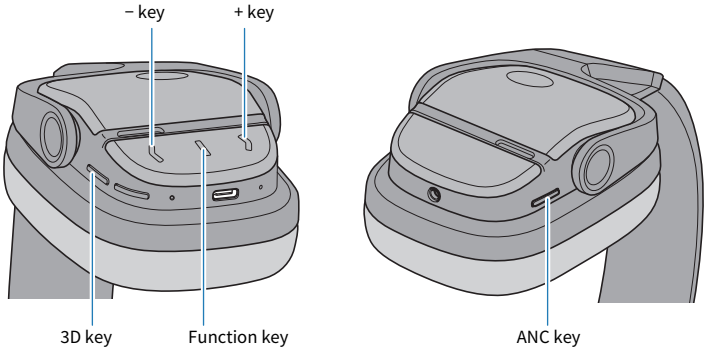
- Turn the volume up
  Press the + key.
- Turn the volume down
  Press the − key.

NOTE

When connecting to a device (such as a smartphone) on which the volume can be adjusted, you can also adjust the volume using that device.

Listening to music

You can using the following functions during playback.



- Pause or restart playback
  Press the function key.
- Skip to the next song
  Hold down the + key (about two seconds).
- Go back to the beginning of the song, or skip to the previous song
  Hold down the − key (about two seconds).
- Switching the NOISE CANCELLING/AMBIENT SOUND on and off
  Press the ANC key. The status changes in the following order.
  - NOISE CANCELLING (default setting)
  - AMBIENT SOUND
  - Disables NOISE CANCELLING/AMBIENT SOUND
- Switches 3D SOUND FIELD on/off
  Hold down the 3D key for about two seconds to switch between stereo and surround playback.
  Press the 3D key during surround playback to switch between the surround sound fields, in the order shown below.
  - Cinema
  - Drama
  - Music Video
  - Concert Hall
  - Outdoor Live
  - Audio ROOM
  - Back Ground Music

NOTE

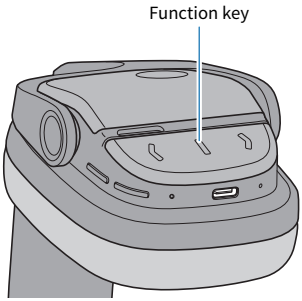
- To select a song for playback, operate your Bluetooth device.
- You can also set the NOISE CANCELLING, AMBIENT SOUND and 3D SOUND FIELD features with the Headphone Control app.

Related links

- “Adjusting the volume” (p.23)
- “Playing back sound according to your surroundings” (p.29)
- “Playing back in surround sound” (p.31)

Receiving a phone call

When connecting to a Bluetooth device (such as a smartphone) that has phone call functionality, you can talk using this product. Operate this product as follows.



- Receive a phone call
  Press the function key.
- End a phone call
  During the phone call, press the function key.
- Ignore a call
  Hold down the function key for about two seconds when the call is coming in.

NOTE

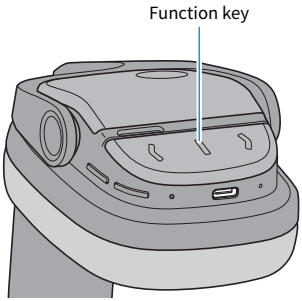
- When a call is coming in, any music being played will be paused. Music playback will automatically resume when the call ends or you ignore the call.
- The 3D SOUND FIELD will be disabled when a phone call comes in or during a phone call.

Related links

“Adjusting the volume” (p.23)

Using the voice assistance feature on your smartphone

When connecting this product to a Bluetooth device that supports a voice assistance feature such as Siri or Google Assistant, you can control the voice assistant with this product.



1 Press the function key twice.

The voice assistant will start, and you can operate it using your voice.

NOTE

- The operations for the voice assistant feature will vary depending on your Bluetooth device. See the user's manual of your Bluetooth device for details.
- To finish listening to the voice assistant, operate your Bluetooth device.

Settings

About the app for earphones/headphones

The Headphone Control smartphone app is a dedicated app for getting the best sound quality from your Yamaha earbuds or headphones.

This app will let you do the following.

- Show the status of your earbuds/headphones (such as remaining battery power)
- Make detailed settings on your earbuds/headphones

Install the app from the App Store (iOS devices) or Google Play (Android devices). See the information about the app on each store for details.

Related links

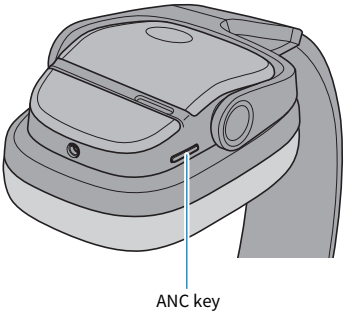
- “Playing back sound according to your surroundings” (p.29)
- “Playing back in surround sound” (p.31)

Playing back sound according to your surroundings

You can set how this product sounds according to the situation, such when you want to enjoy music in a noisy location, or when you want to be able to hear what is going on around you while you are listening.

When NOISE CANCELLING is enabled, the ADVANCED ANC feature built into this product reduces outside noise while maintaining the quality of sound playback.

When you enable the AMBIENT SOUND feature, the sounds around you will be mixed together with the playback sound. This is useful in situations like when you want to briefly talk with someone.



1 Press the ANC key.

The setting changes in the following order.

- NOISE CANCELLING (default setting): the “Noise Cancel” audio message will be heard from this product.
- AMBIENT SOUND : the “Ambient Sound” audio message will be heard from this product.
- NOISE CANCELLING, AMBIENT SOUND disabled : the “Off” audio message will be heard from this product.

NOTE

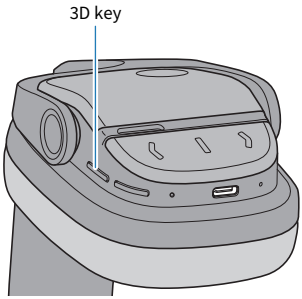
- You can also set this feature with the NOISE CANCELLING button in the Headphone Control app.
- Depending on the type of sound you are playing back and what is going on around you, the ambient sound may not be so easy to hear. In this case, pause the playback.
- Do not cover the housing of this product with your hand. If your hand is covering the mic, the NOISE CANCELLING and AMBIENT SOUND will not work properly, and you may hear noise.

Related links

- “Part names” (p.11)
- “About the app for earphones/headphones” (p.28)

Playing back in surround sound

The 3D SOUND FIELD feature lets you enjoy the playback of surround sound with full three-dimensional presence. Select the optimum surround sound field effect to match the contents you are playing back.



Switching between surround and stereo playback

1 Hold down the 3D key for at least two seconds.

Playback will switch between surround and stereo.

- 3D SOUND FIELD

  Settings
  - ON: surround playback (3D SOUND FIELD ON).
  - OFF (default setting): stereo playback (3D SOUND FIELD OFF). You will hear the “Off” audio message from this product.

Selecting the surround sound field effect

1 Press the 3D key during surround playback.

The setting changes in the following order.

- Cinema: the “Cinema” audio message will be heard from this product.
- Drama: the “Drama” audio message will be heard from this product.
- Music Video: the “Music Video” audio message will be heard from this product.
- Concert Hall: the “Concert Hall” audio message will be heard from this product.
- Outdoor Live: the “Outdoor Live” audio message will be heard from this product.
- Audio ROOM: the “Audio ROOM” audio message will be heard from this product.
- Back Ground Music: the “Back Ground Music” audio message will be heard from this product.

NOTE

Use the Headphone Control app to make more detailed settings for the 3D SOUND FIELD.

Settings > Playing back in surround sound

Related links

“About the app for earphones/headphones” (p.28)

Updating the firmware

The firmware on this product can be updated to add new functionality, rectify product issues and so on. Updates are performed using Headphone Control.

For more details on the contents of updates, see the product information page on the Yamaha website.

NOTICE

For stable data communication between this product and your Bluetooth device, update the firmware in a place where the signal is good.
Do not do the following while the firmware is being updated.

- Connecting the controller to a power source for charging
- Turning the power of this product off
- Closing the Headphone Control app, or using another app
- Turning your smartphone off
- Canceling the connection between your smartphone and this product

1 **On the main screen of the Headphone Control app, open the menu.**

2 **Tap “Confirm Firmware Update”.**

If new firmware has been released, you will see instructions on how to perform the update. Install the firmware by following the instructions on the screen.

Related links

- “Charging this product” (p.12)
- “Turning the power off” (p.14)
- “About the app for earphones/headphones” (p.28)

Troubleshooting

Read this first

If this product does not operate normally while you are using it, first check the following.

● **Turn the power off and then on again.**

● **Make sure that this product have been sufficiently charged.**

- “Charging this product” (p.12)

● **Update the firmware of this product to the latest version.**

- “Updating the firmware” (p.33)

● **Also, check the following.**

- “No sound can be heard” (p.35)
- “Power will not turn on” (p.36)
- “The product cannot be charged” (p.37)
- “Cannot connect to a Bluetooth device” (p.38)
- “The product does not operate or play back” (p.39)
- “The sound is distorted, noisy or choppy” (p.40)
- “Problem Still Not Resolved (Customer Support)” (p.41)

No sound can be heard

● **This product are not connected to a Bluetooth device.**

Pair this product.

・“Connecting to a Bluetooth device” (p.18)

● **The volume is too low.**

Raise the volume.

・“Adjusting the volume” (p.23)

● **The music stopped playing back.**

Start playback.

・“Listening to music” (p.24)

● **The cable may not be correctly connected (when using the 3.5 mm stereo mini-plug cable).**

The 3.5 mm stereo mini-plug cable jack of this product may not be correctly connected to your external device.

・“Connecting using the cable” (p.20)

● **The volume of the external device is low when using a 3.5 mm stereo mini-plug cable.**

Raise the volume on your external device.

Power will not turn on

● **There may not be enough battery power left.**

Charge this product.

・“Charging this product” (p.12)

The product cannot be charged

● **Your computer is not turned on (when charging from your computer).**

Turn the power of your computer on, and then charge this product.

● **You may have been using a USB power cable other than the one included with this product.**

Use the included USB power cable to make sure the product correctly charges.

Cannot connect to a Bluetooth device

● **This product and your Bluetooth device may be too far apart.**

Move this product closer to the Bluetooth device.

● **A device that emits electromagnetic waves (such as a microwave oven, access point and so on) might be nearby.**

Do not use this product near other devices that emit electromagnetic waves.

● **The connection information for the registered Bluetooth device may not be working properly.**

Delete the connection information of this product from the Bluetooth device, and then pair this product with the device.

・“Registering a Bluetooth device (pairing)” (p.16)

● **The registration information for the Bluetooth device that was registered on this product may have been deleted.**

Pair this product once more.

・“Registering a Bluetooth device (pairing)” (p.16)

● **This product may already be connected to another Bluetooth device.**

Disconnect that Bluetooth device, and then connect this product with the new device.

● **The 3.5 mm stereo mini-plug cable may be connected.**

Remove the 3.5 mm stereo mini-plug cable, and then connect your Bluetooth device.

The product does not operate or play back

● **This product may be charging.**

You cannot use this product while they are charging. Use the earphones after charging is finished.

● **There is no remaining battery power on this product.**

Charge this product.

・“Charging this product” (p.12)

● **The product is temporarily not functioning in a stable way.**

Turn the power off and then on again.

The sound is distorted, noisy or choppy

● **The signal may not be coming in clearly, making the connection unstable.**

Move away from wireless devices such as access points, or appliances that product electromagnetic waves such as microwave ovens.

Try placing the connected Bluetooth device as close to this product as you can.

Devices with wireless network connectivity may transmit signals that obstruct Bluetooth communications. In this case, turn off the wireless network connectivity feature on your Bluetooth device.

Problem Still Not Resolved (Customer Support)

If the trouble still cannot be solved, please contact us for product support as shown below.

● **For customers within Japan**

Please contact the store where you purchased this product, or the Product Support Center as listed in the “User Guide (Basic).”

● **For customers outside of Japan**

Please contact your nearest authorized Yamaha dealer or service center.

Appendix

Specifications

The specifications of this product are as shown below.

- Driver type
  - Over-ear
- Driver unit
  - 40 mm
- Frequency range
  - 8–40,000 Hz
- Bluetooth version
  - 5.0
- Supported profiles
  - A2DP, AVRCP, HFP, HSP
- Supported codecs
  - SBC, AAC, Qualcomm® aptX™ Adaptive
- Supported content protection (Japan only)
  - SCMS-T
- RF output power
  - Class 2
- Maximum communication range
  - 10 m (without obstructions)
- Maximum number of pairable devices
  - 8

Rechargeable battery

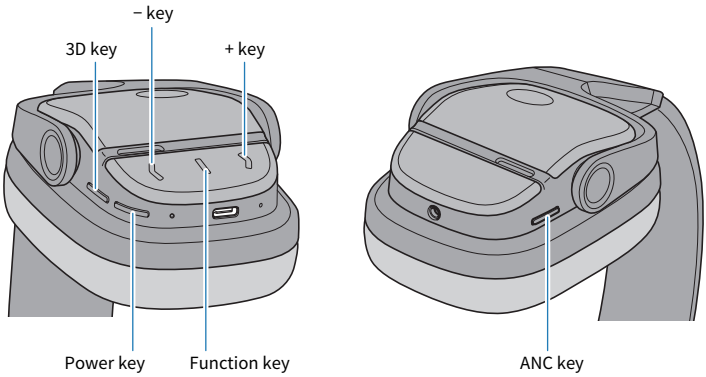
- Internal rechargeable battery
  - Lithium-ion battery
- Charging time (to full capacity)
  - Headphones: approx. 3.5 hours
- Continuous playback time
  - NOISE CANCELLING on, 3D SOUND FIELD on: approx. 11 hours
  - NOISE CANCELLING on, 3D SOUND FIELD off: approx. 34 hours
- Charging temperature
  - +5–+40 °C

General

- Weight
  - 330 g

List of operations

The main operations of this product are as shown below.



Power

- Power on
  - Power key (hold down for two seconds)
- Power off
  - Power key (hold down for two seconds)

Volume

- Volume up
  - + key
- Volume down
  - – key

Music playback

- Pause/play
  - Function key
- Skip to the next song
  - + key (about two seconds)
- Go back to the beginning of the song (while in the middle of the song), or back to the previous song (when at the beginning of a song)
  - – key (about two seconds)

Selecting the modes

- Turning the NOISE CANCELLING/AMBIENT SOUND on/off
  - ANC key
- Switches 3D SOUND FIELD on/off (surround/stereo playback)
  - 3D key (hold down for two seconds)
- Selects the surround sound field effect (during surround playback)
  - 3D key

Phone calls

- Receive a phone call
  - Function key
- End a phone call
  - Function key
- Ignore a call
  - Function key (hold down for two seconds)

Other functions

- Start pairing
  - Hold down the Power key with the power off (five seconds)
- Start voice assistant
  - Function key (press quickly, two times in a row)

List of indicator displays and audio messages

The indicator displays and audio messages on this product are shown below.

Product indicator display

- Power on
  Flashes according to the remaining battery power.
  - Flashes red three times: plenty of charge remaining
  - Flashes red two times: moderate charge remaining
  - Flashes red one time: small amount of charge remaining
- Standby mode for pairing with Bluetooth device
  - Flashes (between red and blue alternately)
- Searching for paired Bluetooth device
  - Flashes (blue)
- Finished connecting to Bluetooth device
  - Lights up for 20 second (blue) and turns off
- Power off
  - Lights up for 1 second (Blue) and turns off

Indicator display when charging

- Charging
  - Lights up (red)
- Charging completed
  - Not lit

Audio messages

- Battery High
  - Plenty of battery charge remaining
- Battery Medium
  - Moderate battery charge remaining
- Battery Low
  - Small amount of battery charge remaining
- Power Off
  - Power off
- Pairing
  - Start device registration (pairing)
- Pairing Successful
  - Pairing successful/finished connecting
- Pairing Failed
  - Pairing unsuccessful
- Connected
  - Finished connecting to Bluetooth device
- Disconnected
  - Disconnected from Bluetooth device
- Noise Cancel
  - NOISE CANCELLING enabled
- Ambient Sound
  - AMBIENT SOUND enabled
- Off
  - Disables NOISE CANCELLING, AMBIENT SOUND
  - Stereo playback (3D SOUND FIELD off)
- Cinema
- Drama
- Music Video
- Concert Hall
- Outdoor Live
- Audio ROOM
- Back Ground Music
  - Selects surround playback (3D SOUND FIELD on) or each surround sound field effect

Related links

- “Turning the power on” (p.13)
- “Turning the power off” (p.14)
- “Checking the remaining battery power” (p.15)
- “Registering a Bluetooth device (pairing)” (p.16)
- “Connecting to a Bluetooth device” (p.18)
- “Playing back sound according to your surroundings” (p.29)
- “Playing back in surround sound” (p.31)

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