



User Guide

Headphones

YH-4000

EN

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Read This First

Advantages of this product

This product is a pair of headphones that connects via cable to an audio device such as a headphone amplifier.

Immerse yourself more deeply in your own world of sound and music

Yamaha's high-end open-back headphones featuring the ORTHODYNAMIC™ driver

Through the use of a new filter and earpads, we strove to create a high-resolution sound that conveys the passion of the musical artists, filled with vibrancy.

We hope you'll fully enjoy the sonic experience of the YH-4000, our product that offers both comfort and immersion... one which lets you forget about time and become engrossed in your music.

The sound that makes total immersion in your music a reality

- Yamaha's proprietary ORTHODYNAMIC™ driver is built into these headphones to fully realize both the delicacy and the massive power of your music, with a highly responsive yet flexible tonal character
- Large housing and filter design offers a dense, open sound
- Uses earpads that offer high density and high responsiveness, making vibrant sound possible

Comfortable fit for long periods of listening to music

- Housing made of magnesium for a design that's both lightweight and sturdy
- Earpads made with three-dimensional stitching and low-rebound urethane foam for a comfortable fit
- Head pad made using three-dimensional stitching to fit your head shape, reducing pressure on the top of your head
- Smooth stepless slider lets you precisely adjust the fit of the headphones

Design

- Highly original form that encompasses functionality and a unique design, realizing a powerful sound with presence that comes alive
- The natural finish gives the feeling of high-quality materials, transforming this product into a special one that lets you get deeper into your music for even longer periods of time

For more information

<https://yamaha.io/yh-4000>

About the manuals

Three manuals (Safety Guide, Quick Guide and User Guide) are available for users of this product. Be sure to read all manuals and keep them in a safe, accessible place for future reference.

Available manuals

Safety Guide (included)

This explains the necessary precautions that you must observe to use this product. Be sure to read them before using this product.

Quick Guide (included)

This illustrates how to immediately use the product after purchase.

User Guide (this guide)

This provides details on all functions. This guide is only available from our website.

- The precautions and other matters in this guide are classified as follows.



CAUTION

This content indicates “risk of injury.”

• NOTICE

Indicates points that you must observe to prevent product failure, damage or malfunction, as well as to protect the environment.

• NOTE

Indicates notes on instructions, restrictions on functions, and additional information that may be helpful.

NOTE

- The explanations in this guide are based on the latest specifications at the time of publication.
- The latest version (PDF) of each guide can be downloaded from the following website.
<https://download.yamaha.com/>

Accessories and part names

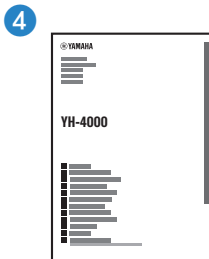
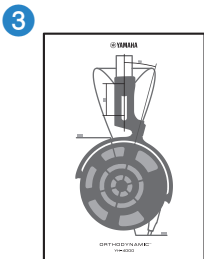
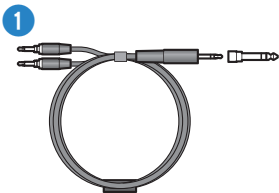
The accessories included with this product as well as the part names are as shown below.

NOTICE

- This product uses strong magnets. Do not place or hold this product near any objects that might be affected by the magnetic field of this product.
 - For objects like clocks or ATM cards, the data on the affected device may be corrupted or destroyed.
 - Metal parts like paper clips or screws may damage this product or cause a malfunction.
- As the diaphragms used in this product are susceptible to impact, do not drop this product or expose it to strong impact. This may cause a malfunction.

■ Accessories

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



- 1 **Headphone cable (3.5 mm, three-conductor plug) 2 m (78-3/4")**
(Includes a 6.3 mm adaptor plug)
- 2 **Carrying case**
- 3 **Quick Guide**
- 4 **Safety Guide**

■ Part names



- 1 **Headband**
- 2 **Head pad**
- 3 **Slider**
- 4 **Cable jacks (L), (R)**
- 5 **Housing**
- 6 **Earpads**

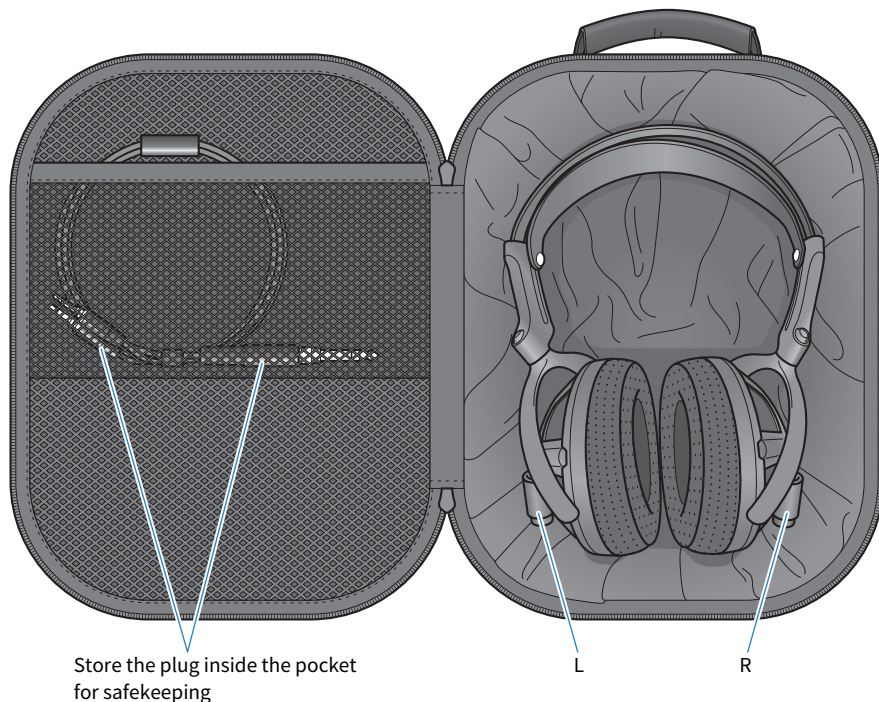
Related links

“Optional accessories (sold separately)” (p.19)

Storing this product

When you are not using or when you are carrying it somewhere with you, you can store it in the included carrying case.

We recommend that you maintain and clean the product before storing it, to keep it in good condition to use for a long time.



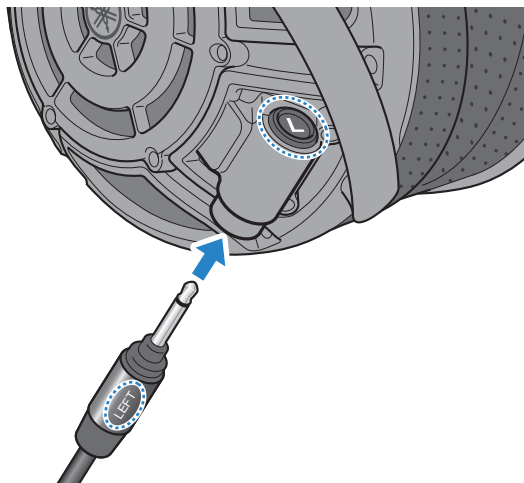
NOTICE

- If the cloth liner inside the case begins losing its shape, place the headphones in the correct position inside while gently holding the cloth down. Trying to forcibly close the fastener without storing the headphones in the correct position may damage the product or the contents of the case.
- Make sure not to get the fabric inside the case caught in the fastener when you open or close it. This may damage these items.

Connections

Connecting the headphones with the headphone cable

Connect the included headphone cable to the headphones.



Make sure that the correct cable plugs, L (left) and R (right) are plugged into the correct sides of the headphones, and firmly insert the plugs all the way into the cable jacks.

NOTICE

- Be sure to grip this cable's plug when inserting or unplugging. If you pull too hard on the cable itself, the cable wires may break.
- Insert the plug all the way into the jack. If the plug is not fully inserted, you may hear no sound, or you may hear breaks in the sound.
- The audio may sound strange if you get the L (left) and R (right) cable jacks mixed up.

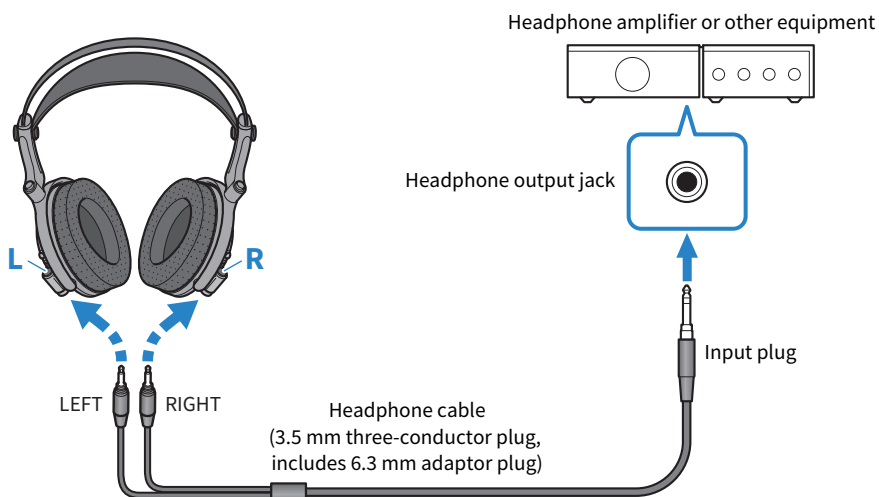
Connecting to an audio device

Connect the included headphone cable to an audio device such as a headphone amplifier.



CAUTION

- Make sure to turn the volume all the way down on the devices you connect to this product beforehand.
- Failure to do so may result in hearing loss, electrocution or equipment damage.



Firmly plug the included headphone cable all the way into the headphone output jack on the device to which you want to connect.

How to use the 6.3 mm adaptor plug

- Connecting to a $\Phi 6.3$ mm headphone output jack



- Use the cable with the adaptor plug attached on the end.

- Connecting to a $\Phi 3.5$ mm headphone output jack



- Remove the adaptor plug on the end of the cable before use.



CAUTION

Keep the adaptor plug out of reach of children after you've removed it, so that it is not accidentally swallowed.

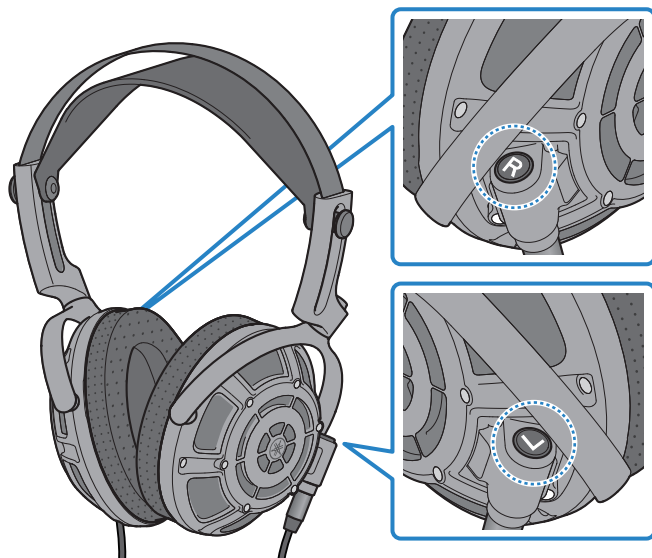
NOTE

- The included cable and adaptor plug are only for use with headphones.
- Make sure to plug the cable only into the headphone output jack of the device to which you are connecting.
- Be sure to grip this cable's plug when inserting or unplugging. If you pull too hard on the cable itself, the cable wires may break.
- Insert the plug all the way into the jack. If the plug is not fully inserted, you may hear no sound, or you may hear breaks in the sound.
- When connecting this product to another device, refer to the Owner's Manual for that device as well.

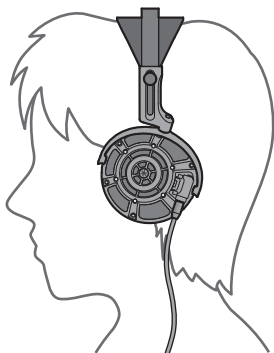
Wearing the headphones

Putting the headphones on

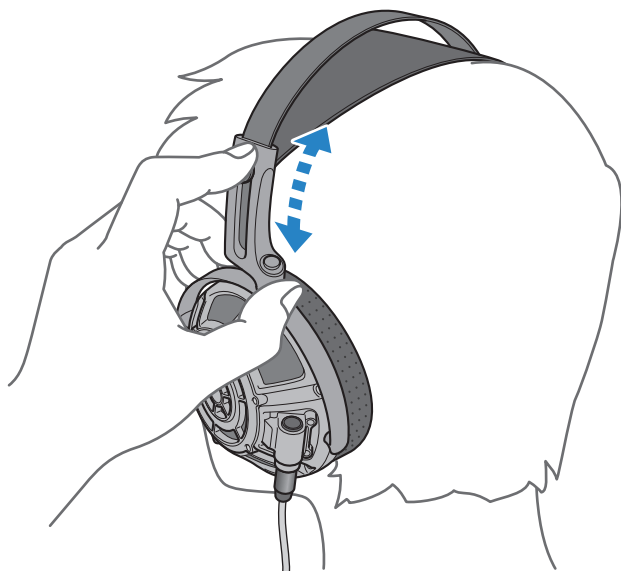
Put the headphone marked L on your left ear, and put the headphone marked R on your right ear.



Make sure that each headphone covers your entire ear.



Use the slider to adjust the position according to the size of your head.



NOTICE

- Be careful not to get your fingers or hair caught in the movable part of the slider.
- Do not forcibly pull on the movable part of the slider. Failure to do so may cause a malfunction.
- Do not apply too much force to the mesh covering on the housing, or expose it to impact. This may damage these items.

Maintenance

Taking care of the headphones

We recommend that you take regular care of this product, so that you can use it for a long time to come.

Daily maintenance

- When maintaining the headphones, be sure to remove the headphone cable from this product and from any connected devices. Failure to do so may cause a malfunction.
- Use a dry and soft cloth when wiping the product. Do not wipe the surfaces with benzine, thinner, detergent, chemically-treated cloths, disinfectant solutions containing alcohol or similar liquids. This may cause discoloration or deterioration.
- To prevent rust or deformation, always keep the product dry and avoid placing it in extremely cold or hot locations.
- Be careful not to heat the product with a hairdryer or heating device.
- Do not expose this product to direct sunlight for long periods of time.
- When you are not using this product, store it in the included carrying case.

Headband

- Use a dry and soft cloth to wipe off the headband if it gets dirty.
- Wipe the headband regularly to remove any dust.

Head pad

- Use a dry and soft cloth to wipe off the head pad if it gets dirty. Do not use disinfectant solutions containing alcohol or similar liquids.
- Hair care products may cause damage to the pad surface. If any such products get on the head pad, carefully wipe them off.
- Wipe off the head pad regularly to remove any dust.

Housing

- Gently wipe the housings with a soft, dry cloth to prevent scratches on the surface.
- When cleaning the housing mesh covering, use a dry cloth, cotton swabs or the like. Do not use a commercially available blower or air duster, as this could cause the product to malfunction.

Earpads

- Use a dry and soft cloth when wiping the product. Do not use leather polish, solvents (such as thinner or benzine) or disinfectant solutions containing alcohol or similar liquids. This may cause discoloration or deterioration.
- Hair care products may damage the surface of the earpads. If any such products get on the earpads, carefully wipe them off.

Maintenance > Taking care of the headphones

- The earpads may naturally degrade over time, even when stored and used normally. We recommend that you replace the earpads soon if they have degraded.

Taking care of the accessories

This explains how to take care of the accessories.

Cable plugs

- Use a dry and soft cloth or similar material when wiping.

Carrying case

- Use a dry and soft cloth when wiping the product. Do not wipe the surfaces with benzine, thinner, detergent, chemically-treated cloths, disinfectant solutions containing alcohol or similar liquids. This may cause discoloration or deterioration.
- The product may naturally degrade over time, even when stored and used normally.
- Do not store this product in a sealed vinyl bag or the like. This may cause deformation, discoloration or deterioration.

Troubleshooting

Check this first

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

No sound can be heard

- **The headphone cable may not be correctly connected.**

Make sure that the headphone cable is correctly plugged all the way into the headphones and the connection jack on your audio device.

- “Connections” (p.8)

- **The power of the audio playback device might not be on.**

Turn on the power of your connected device.

- **The volume is too low.**

Raise the volume on your connected device.

- **The audio stopped playing back.**

Start playback.

Sound is not good or sounds strange

- **You might be wearing the headphones on the wrong sides (L/R).**

Check that the left (L) and right (R) headphones are worn on the correct sides.

- “Putting the headphones on” (p.11)

- **The left (L) and right (R) plugs of the headphone cable might be plugged into the opposite jacks on the headphones.**

Check the left (L) and right (R) jacks on the headphones and connect the plugs correctly.

- “Connections” (p.8)

- **The earpads may not be correctly attached.**

Check whether the earpads are attached correctly to the headphones.

- “Replacing the earpads” (p.20)

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 “Safety Guide” included with this product.

- For customers outside of Japan

Please contact your nearest authorized Yamaha dealer or service center.

https://manual.yamaha.com/audio/address_list/

Aftersales service

For service or general inquiries

- For customers within Japan

Please contact the store where you purchased this product, or the repair consulting center as listed in the “Safety Guide” included with this product.

- For customers outside of Japan

Please contact your nearest authorized Yamaha dealer or service center.

https://manual.yamaha.com/audio/address_list/

NOTE

- The earpads are replaceable parts. As the earpads are an important part of this product that affect the sound quality, we recommend that you replace them soon if they are degraded or damaged.
- If one of the driver units on the headphones is damaged or malfunctioning, you may notice a difference in sound between the left and right sides. For this reason, we recommend replacing both sides at the same time.

Appendix

Specifications

The specifications of this product are as shown below.

YH-4000 Headphones

- Driver type
Open-back/over-ear
- Driver units
Planar magnetic (ORTHODYNAMIC™ driver)
- Playback frequency range
5 Hz – 70 kHz
- Sensitivity
97 dB/mW (at 1 kHz)
- Impedance
34 Ω (at 1 kHz)
- Weight
Approx. 320 g (11.29 oz) (excluding headphone cable)
- Earpads
Artificial suede/polyurethane leather

Accessories

Headphone cable (Unbalanced)

- Length
Approx. 2 m (78-3/4")
- Plug shape
 - Device side
3.5 mm stereo plug (includes a 6.3 mm adaptor plug)
 - Headphones side
3.5 mm, two-conductor plug
- Conductive material
Silver-coated OFC
- Weight
Approx. 72 g (2.54 oz)

Carrying case

- Dimensions (W × H × D)
228 × 130 × 283 mm (9" x 5-1/8" x 11-1/8")
- Weight
Approx. 600 g (1.3 lb)

* The size of the actual product may differ slightly from the sizes shown.

* The contents of this User Guide apply to the latest specifications as of the publishing date. For the latest version of the User Guide, refer to the Yamaha website.

Optional accessories (sold separately)

The following optional products are also available for purchase to use with this product.

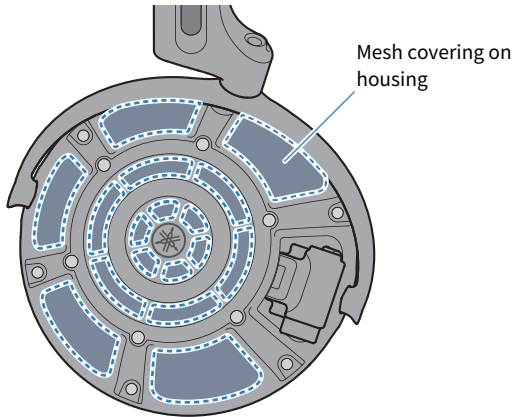
- HEP-5000LS Headphone Earpads (same as included earpads)
- HEP-5000LE Headphone Earpads (Leather)
- HEP-5000SU Headphone Earpads (Ultrasuede®)
- HUC-SC020 Headphone Unbalanced Cable
- HBC-SC020 Headphone Balanced Cable
- HXC-SC020 Headphone XLR Cable
- HXC-SC030 Headphone XLR Cable
- HST-5000 Headphone Stand
- CCS-5000 Carrying Case (same as the included accessory)

Replacing the earpads

This explains how to replace the earpads.

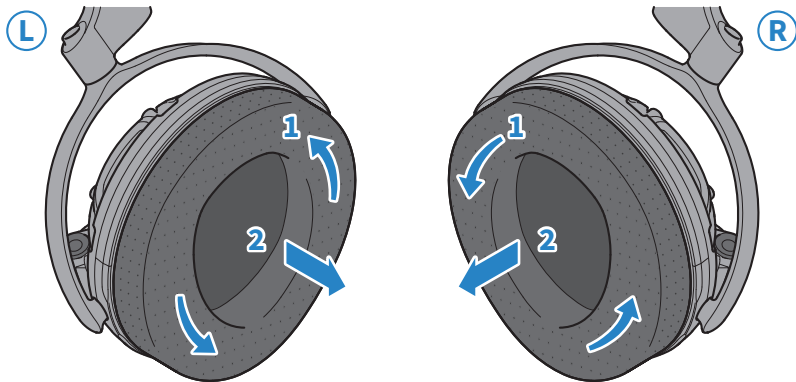
NOTICE

- When replacing the earpads, do not apply too much force to the mesh covering on the housing, or expose them to impact. This may cause damage.



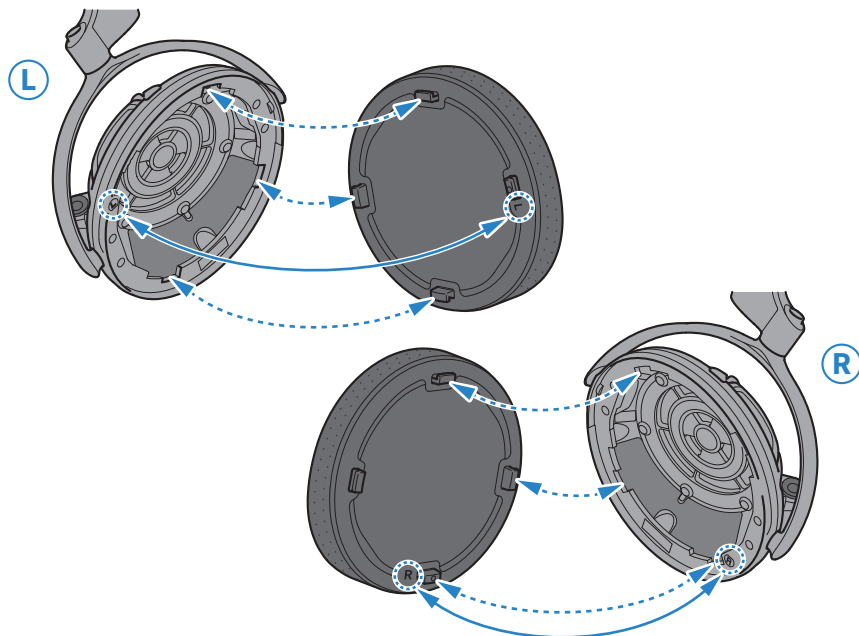
Follow these steps to replace the earpads.

- 1** Hold the earpad and rotate counterclockwise while pulling the earpad towards you to detach it from the headphones.

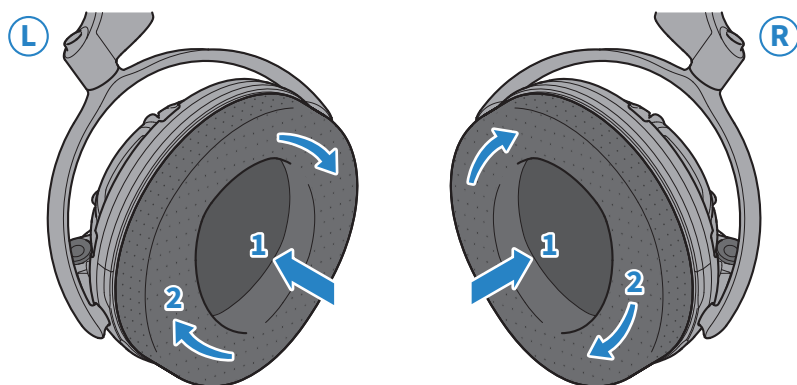


2 Align the replacement earpad with the marked areas inside the headphone housing.

The housings are marked on the inside with “L” for the left side and “R” for the right side. Align the respective “L” and “R” markings on the housings with those on the earpads.



3 Hold the earpad and rotate clockwise while attaching the earpad onto the headphones.



NOTE

After attaching the earpads, lightly pull on them to make sure that they won't easily come off. The sound quality may not be as good as expected if the earpads are not firmly attached to the headphones.

Trademarks

The trademarks used in this guide are as follows.

- ORTHODYNAMIC™

“ORTHODYNAMIC” is a registered trademark of Yamaha Corporation.

ultrasuede®

- “Ultrasuede®” is a registered trademark of Toray Industries, Inc.

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