DENON®

AH-C160W
Wireless Sport Headphones

Owner's Manual

You can print more than one page of a PDF onto a single sheet of paper.

Preparation

Connections

Operation

Troubleshooting

Appendix

Thank you for purchasing this product. To ensure proper operation, please read this Owner's Manual carefully before using the product.

Unpacking

Unpack your new AH-C160W and verify that the following items are included.

Quick Start Guide	Safety Instructions	USB cable (Micro B connector) (for charging: Approx. 0.3 m)	Ear tips (XS/S/M/L)
Ear rings (S/L)	Slider	Carabiner	Carrying case

Features

Wireless

- **You can enjoy listening to music wirelessly by connecting the AH-C160W to your Bluetooth device. Playback operations and volume adjustment can be performed for the paired audio device using the headphones.**

Sound

- **The sound of the AH-C160W has been designed and tuned using advanced digital signal processing – to help and inspire you to achieve your fitness goals faster.**
- **The AH-C160W uses Clear Voice Capture, a sophisticated noise reduction system to deliver the clearest voice quality for phone calls – even in the noisiest environments.**
- **The AH-C160W's Multilingual Voice Prompts keep you aware of headphone status – such as battery level – so you can concentrate on getting on with your workout!**

Comfort

- **The sleek design of the AH-C160W uses unique Earhook technology, developed with a leading hearing aid specialist, to keep the earpieces in place – even during heavy workouts or when running. Three sizes of ring give the best fit for the ears, ensuring pure music playback and excluding noise.**
- **Along with four sizes of silicon ear tip, the AH-C160W comes with Comply tips made from Memory foam to ensure ultimate comfort in the ear. They're treated with SweatGuard to keep them clean – however hard the exercise!**

Durable

- **The AH-C160W is designed to survive: as well as its durable mechanical structure, even the electronics inside are coated with Nanofics technology, for IPX5/7 class sweat resistance.**

Features and functions
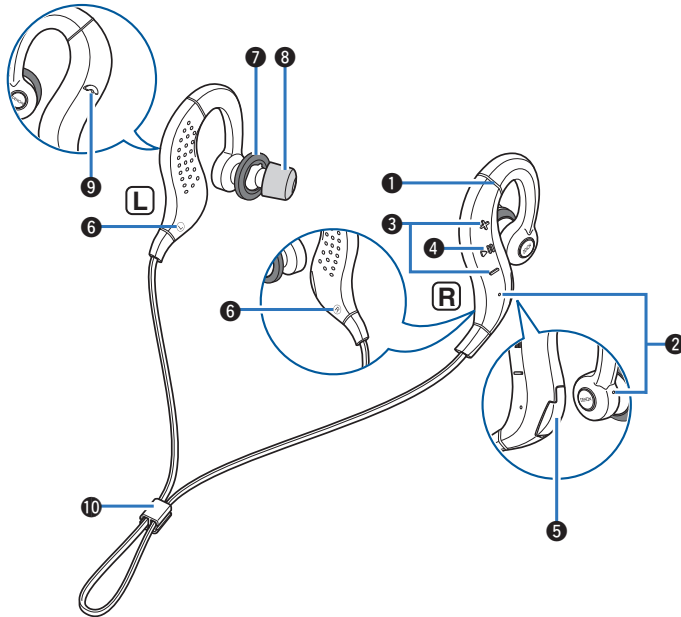
Ⓐ **Status indicator LED**

Ⓑ **Call microphones**

Ⓒ **Volume buttons (+/−)** (☞ p. 16)

Ⓓ **Control button (►‖)**
- Turns the power on/off. (☞ p. 10)
- Pairs the headphones with Bluetooth devices. (☞ p. 11)
- Operates the audio device that is connected using Bluetooth. (☞ p. 15)

Ⓔ **Charging port** (☞ p. 6)

Ⓕ **L/R Indicators**

Ⓖ **Ear rings**
- The M size is attached at the time of purchase. Replace them to match your preference. (☞ p. 20)

Ⓗ **Ear tips**
The Comply(TM) foam ear tips are attached at the time of purchase. Replace them with any of the accessory ear tips to match your preference. (☞ p. 20)

Ⓘ **Call button** (☞ p. 17)

Ⓙ **Slider** (☞ p. 8)

Charging / Battery status

Connect the headphones to a computer or USB AC adapter (sold separately) using the supplied dedicated charging cable to charge the battery.

PC

or

USB AC adapter
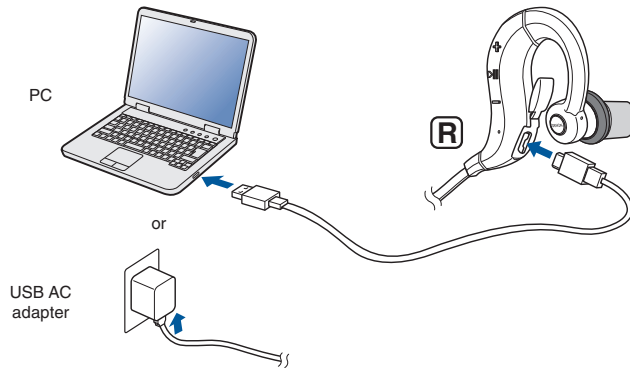
The charging status can be checked from the status indicator LED on the headphones.

Charging status	Status indicator LED color
Charging	
Fully charged	

- When using the headphones for the first time after purchase or when the remaining power of the rechargeable battery is low, charge the battery.
- The headphones can be used for approximately 4 hours of music playback when fully charged.
- It takes approximately 2 hours to fully charge the rechargeable battery from the state of no remaining battery power.
- The headphones can be used for approximately 1 hour of music playback after charging for approximately 20 minutes.

NOTE

- When the dedicated charging cable is connected to the headphones, the power of the headphones turns off and the mode becomes charging mode. Before use after charging, disconnect the cable from the headphones and turn on the power.
- When connecting the dedicated charging cable to the charging port, be sure to match the cable connector with the shape of the socket. Forcing the connector into the socket will cause damage.
- The rating of the charging output should be DC 5 V, 2.4 A or less.
- The usable time of the headphones differs depending on the temperature of the environment in which they are used and method of use.

■ Checking the remaining battery power

The remaining power of the rechargeable battery can be checked from the number of beeps or audio guidance. Furthermore, it can also be checked from the number of times the LED flashes red. Turn on the power and press the call button twice in succession when a call is not in progress.

Number of beeps	Number of times LED flashes red	Remaining time of rechargeable battery
Four times	Four times	Approx. 4 hours
Three times	Three times	Approx. 3 hours
Twice	Twice	Approx. 2 hours
Alert tone	Once	Less than 1 hours
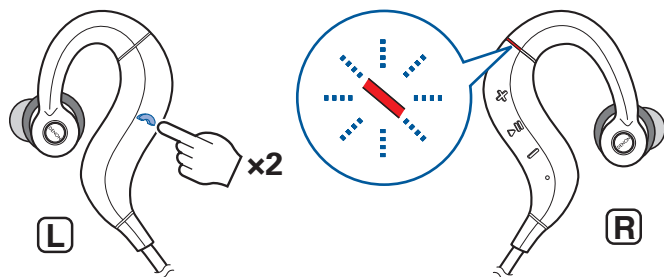
- When the remaining power of the rechargeable battery is running low, the LED flashes red at approximately 3-second intervals together with a beeping sound.
- You can also check the remaining power of the rechargeable battery on an iPhone. (*)

  ＊The remaining power of the rechargeable battery can be displayed as a percentage (%) on an iPhone, but this number is an approximate value.

Wearing

■ Wearing the headphones

These headphones are supplied with different sizes of ear rings and ear tips for adjusting the fit. Use the combination that best suits your ears in order to find the most comfortable fit. (☞ p. 20)
Wear the headphones as described below.

1 Insert the ear tip of the "L" of the headphones into the left ear, and the ear tip of the "R" into the right ear.

- When using the Comply (TM) form ear tips that are already attached to the headphones, mold the ear tips with your fingers before inserting in your ears.

2 Lift the hook parts of the headphones over the ears and then hook them behind the ears as shown in the figure.
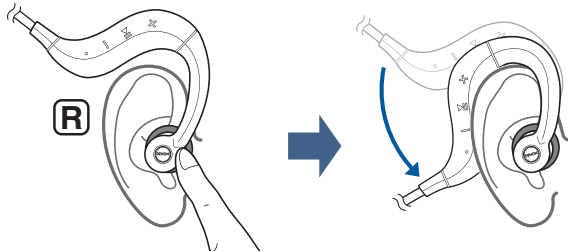
■ Adjusting the length of the headphones cable

Attach the supplied slider to the headphones cable as shown in the figure and then adjust the length of the cable.
Setting the slider to the position in the figure will make it difficult for any vibration sound resulting from the cable moving up and down during jogging to be transmitted to the ears.
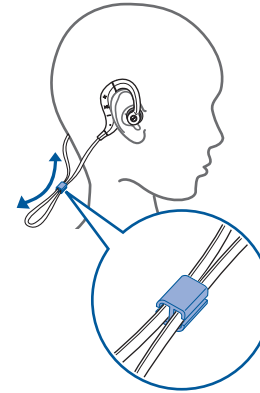
NOTE

- Do not forcefully pull or bundle the cable. The cable may break resulting in the inability to output sound.
- After attaching the slider, check that it does not become detached by vibration.

Switching Audio Guidance (notification sounds)

You are notified when an operation has completed correctly by a "beep" or "audio guidance".

■ Switching the audio guidance language

You can switch to audio guidance in your preferred language or switch to a beep sound.

1 **Connect the headphones and Bluetooth device using Bluetooth.** (v p. 11)

2 **Press and hold the call button and volume "+" button together for approximately 1 second.**

- The audio guidance is switched.
- Each press switches to an audio guidance language or beep sound in the following order.
  Beep sound, English, Japanese, German, French, Italian, Spanish, Chinese
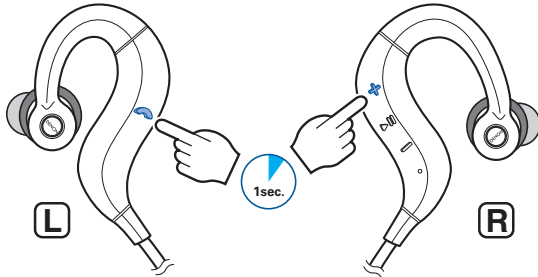
Turning the power on/off

Turn on the Bluetooth function of the Bluetooth device that you want to connect to beforehand.

1 **Press and hold the headphones' control button for approximately 3 second.**
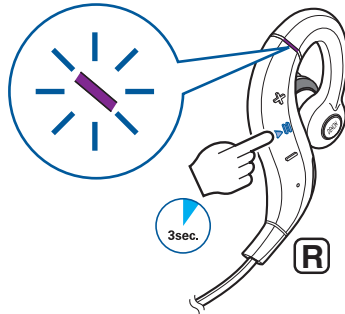
- When the pairing information is deleted, the headphones automatically switch to pairing registration mode when the power is turned on.
- A beep sound is heard and the status indicator LED lights purple for approximately 1 second.
- The headphones automatically connect via Bluetooth to the Bluetooth device when the device is already paired with the headphones. (☞ p. 13)

■ Turning the power off

1 **Press and hold the control button for approximately 3 seconds.**
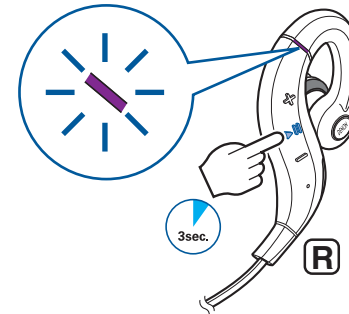
- A beep sound is heard and the status indicator LED lights purple for approximately 1 second.

✎

- A small amount of power is consumed even when the power is off.

Bluetooth operation

Pairing

You need to register (pair) a Bluetooth device with the headphones in advance in order to enjoy listening to wireless music or make phone calls. You can connect to a Bluetooth device any time after it has been paired.

| NOTE |

- Pairing needs to be done again in the following cases.
  - When 9 or more devices have been paired with the headphones

    These headphones can store pairing information from a maximum of 8 devices. When 9 or more devices are paired, the new pairing information overwrites the oldest pairing information in order from the oldest information onwards.

    Multiple Bluetooth devices cannot be played back at the same time.

Registering (Pairing) and connecting a Bluetooth device

Check that the headphones are not connected to any Bluetooth device before pairing.

1 Turn on the Bluetooth function of your mobile device.
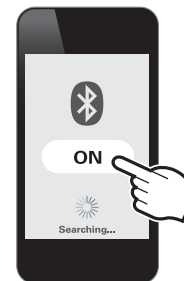
- For details, see the Owner's Manual of the Bluetooth device that you want to connect.

2 **When the headphones power is off, press and hold the control button for approximately 3 seconds.**
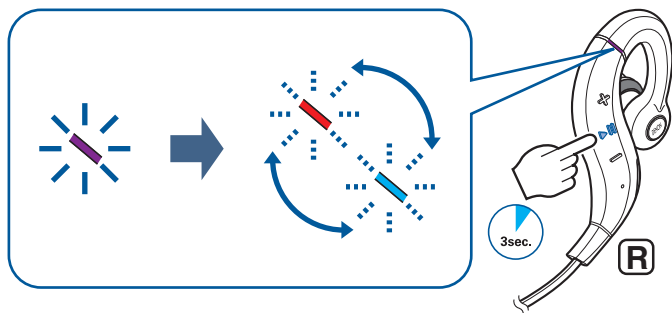
- The status indicator LED lights purple for approximately 1 second and then flashes red and blue alternately indicating that the headphones are in pairing registration mode.
- If the status indicator LED does not light even when the control button is pressed, the rechargeable battery has no power remaining. Charge the battery.

3 **Select "DENON AH-C160W" from the list of devices displayed on the screen of your Bluetooth device.**

When registration (pairing) is complete and a Bluetooth connection is established, the status indicator LED on the headphones lights blue for approximately 5 seconds.

4 **Playing back music on the Bluetooth device.**

Music played back on the connected Bluetooth device is output from the headphones.

- If the power is on, turn the power off before pairing.
- The headphones pairing registration mode is canceled if pairing is not completed within 3 minutes. In this case, press and hold the control button for approximately 3 seconds to turn the power off, and then try pairing again.
- If you are requested to enter a PIN code (pass key), enter "0000" (four zeros).

Reconnecting paired devices

Check that the headphones are not connected to any Bluetooth device before connecting.

1 **Turn on the Bluetooth function of your mobile device.**

- For details, see the Owner's Manual of the Bluetooth device that you want to connect.

2 **Press and hold the control button for approximately 3 seconds to turn the headphones power on.**
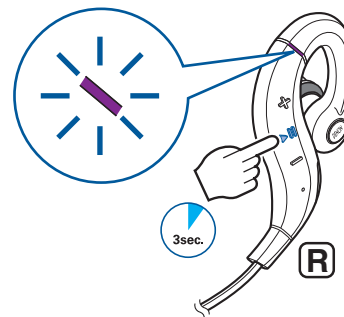
- A beep sound is heard and the status indicator LED lights purple for approximately 1 second.

3 **The headphones automatically connect via Bluetooth to the Bluetooth device.**

If the device is not connected, select "DENON AH-C160W" from the list of devices displayed on the screen of your Bluetooth device.

- When the Bluetooth connection is established, the status indicator LED lights blue for approximately 5 seconds.

4 **Playing back music on the Bluetooth device.**

Music played back on the connected Bluetooth device is output from the headphones.

Deleting pairing information

Delete pairing information if you have made a mistake entering pairing information or when re-pairing a device.

1 **Press and hold the call button for approximately 3 seconds when the headphones are in pairing registration mode with the Bluetooth device.**

- A beep sound is heard, the status indicator LED flashes purple 5 times, and the pairing information is deleted.
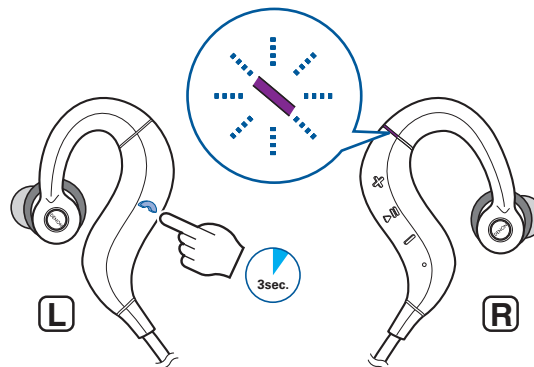
Listening to music

First check that the headphones and Bluetooth device are connected via Bluetooth. (☞ p. 11)

Playback operations can be performed from both the Bluetooth device and headphones. Here we will explain the operations using the control buttons on the headphones.

Playback/pause

Press the control button once.

- The status indicator LED flashes blue during playback.
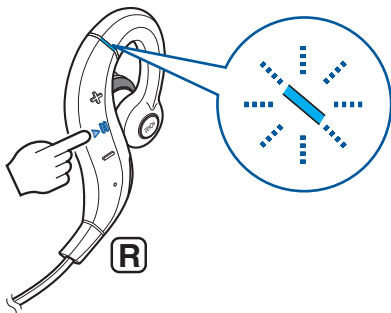
Select track

Next track: Press and hold the volume "+" button for approximately 1 second.

Previous track: Press and hold the volume "-" button for approximately 1 second.
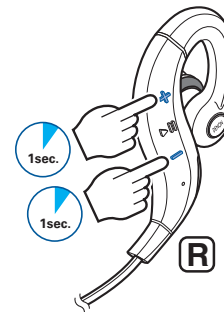
Volume adjustment

Increase volume (*1): Press the volume "+" button.

Decrease volume (*2): Press the volume "-" button.
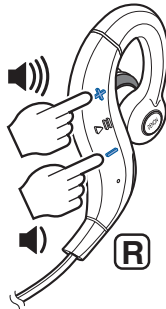
∗1 When the maximum volume is reached, a beep sounds twice. The volume cannot be increased further.

∗2 When the minimum volume is reached, a beep sounds once. The volume cannot be decreased further.

> **NOTE**
>
> • When the dedicated charging cable is connected to the headphones, the power turns off automatically.

Conducting phone calls

Calls can be made while you are wearing the headphones. You can hear the caller's voice through the headphones, and your voice is picked up by the built-in microphone in the headphones. The paired Bluetooth compatible mobile phone is controlled using the Call button.

Making a call

Dial operations are done on the paired mobile phone. Audio playback is paused and the call is connected.

Answering an incoming call

When an incoming call is received, audio playback is paused and the ring tone is heard.
Press the call button once to answer the call.

Ending a call

Press the call button once during the call.
When a call is ended, playback of the paused track is restarted.

Using the call waiting function

If you receive a call while another call is already in progress, you can place the current call (call A) on hold and switch to the new call (call B).

> **NOTE**
> • Some of mobile phones may not be compatible with these functions.

1 **Press the call button once during the call.**

  • This places the current call (call A) on hold and switches to the new call (call B).
  • When the new call (call B) ends, the headphones return to the call that is on hold (call A).

■ To return to the call that is on hold (call A)

1 **Press and hold the call button for approximately 3 seconds during the call (call B).**

  • This places the current call (call B) on hold and switches to the call that is on hold (call A).

Ignoring an incoming call

Press and hold the call button for approximately 2 seconds when an incoming call is received.

Switching a call from the headphones to a mobile phone

Switch the current call to the mobile phone.
Press the call button twice.

Other operations

Incoming call detected	Answer	Press the call button once
In standby mode/ During audio playback	Voice dial/ Voice activated call	Press and hold the call button for approximately 1 second.
Call in progress	End call	Press the call button once
	Mute on/off	Press and hold the call button for approximately 1 second.

🖉

• Press the volume button to adjust the volume of the caller's voice.

Information

Replacing the ear tips

Removing

Hold the ear tip and pull while tilting it.

Attaching

Align the nozzle with the earpiece attachment part and push it all the way in using a small amount of force.
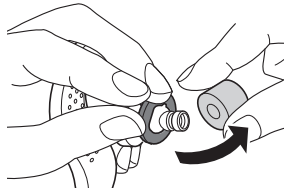
Replacing the ear rings

Ear rings adjust the degree of fit of the headphones in the ears. This enables the headphones to be held firmly when vibration from jogging and other activities is transmitted to the headphones. Attach ear rings that match the size of your ears.

1 **Remove the ear tips and ear rings.**

2 **Align the protrusion on the housing of the headphones and the depression of the ear ring of the preferred size and then attach the ear ring.**

Ear rings
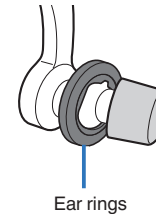
Audio Playback and Phone Calls on a Bluetooth Device

- These headphones are compatible with SCMS-T content security standards. You can use these headphones with SCMS-T compatible mobile phones or devices.
- In order to listen to music via a Bluetooth connection, the connected Bluetooth device needs to be A2DP (Advanced Audio Distribution Profile) compatible. (*)
- In order to control playback on the Bluetooth device, the connected Bluetooth device need to be AVRCP (Audio Video Remote Control Profile) compatible. (*)

  ∗ For details on profiles that the Bluetooth device is compatible with, see the Bluetooth device Owner's Manual.

- The connected Bluetooth device needs to be compatible with either HSP (Headset Profile) or HFP (Hands-free Profile) in order to use the headphones for conducting phone calls. (*)
- The Bluetooth device needs to be compatible with either HFP or HSP and A2DP in order to conduct calls during audio playback. (*)

  ∗ For details on profiles that the Bluetooth device is compatible with, see the Bluetooth device Owner's Manual.

Troubleshooting

If the headphones do not operate correctly, first check the following items.

Symptom	Cause / Solution	Page
The Bluetooth function of the headphones does not switch on.	• When the rechargeable battery has no power remaining, connect the headphones to a computer using the supplied dedicated charging cable to charge the battery. When the dedicated charging cable is connected to the headphones, the power of the headphones turns off and the mode becomes charging mode. Before use after charging, disconnect the cable from the headphones and turn on the power.	6
Cannot pair a Bluetooth device.	• Check that the power of the headphones is switched on.	10
	• Move the Bluetooth device that you want to connect closer to the headphones.	—
Cannot connect using Bluetooth.	• Check that the power of the headphones is switched on.	10
	• Check that the power of the Bluetooth device is on and the Bluetooth function is enabled.	11
	• Check whether the Bluetooth device is in sleep status.	—
	• Pair the devices again.	11
Sound is not output from the headphones when connected using Bluetooth.	• Check that the power of the headphones is switched on.	10
	• Check that the power of the Bluetooth device is on and the Bluetooth function is enabled.	11
	• Select A2DP as the Bluetooth connection profile on the transmitting Bluetooth device. For details, see the Owner's Manual of the Bluetooth device.	—
	• Check that audio is being played back on the Bluetooth device.	—
	• Increase the volume. Increase the volume on the Bluetooth device if it is necessary to adjust the volume on the Bluetooth device.	16
	• Pair the devices again.	11

Symptom	Cause / Solution	Page
Cannot hear the caller's voice.	• When listening to audio through the headphones, press the call button to switch to the call.	<u>17</u>
	• Check that the power of the headphones is switched on.	<u>10</u>
	• Check that the power of the Bluetooth device is on and the Bluetooth function is enabled.	<u>11</u>
	• Select HSP or HFP as the Bluetooth connection profile on the transmitting Bluetooth device. For details, see the Owner's Manual of the Bluetooth device.	—
	• Check that the Bluetooth device is set to handle calls through the headphones. For details, see the Owner's Manual of the Bluetooth device.	—
	• Increase the incoming call volume.	<u>19</u>

Precautions for Use

- Be sure to read the Owner's Manual of the device that you want to connect.
- Check the volume settings when using the headphones on public transport or in public places and make sure you do not disturb people around you.
- These headphones are not guaranteed to work with all combinations of Bluetooth devices/mobile phones.
- These headphones do not support connection with all Bluetooth devices/mobile phones.
- Bluetooth wireless technology can communicate over a distance of approximately 10 m. However, obstructions (people, metallic objects, walls, etc.) and radio wave conditions affect the range in which communication is possible.
- The Bluetooth device that you want to connect must support the same profile as these headphones in order to use the Bluetooth function. For details on profiles that the Bluetooth device is compatible with, see the Bluetooth device Owner's Manual.
- Due to features of Bluetooth wireless technology, playback of audio on the headphones is slightly delayed compared to the voice/audio playback on the transmitting device.

Precautions regarding sweat-resistance performance

- These headphones are a product with a sweat-resistance performance equivalent to IPX7(*1) and IPX5(*2).
  You can exercise in the rain, touch it with wet hands, and have it exposed to limited water spray.
- Please do not connect and charge unit if there is water / moisture at the USB connecter. Please wipe it off and wait until dry.
- Do not swim with this product.
- Do not wash this product.
- The sweat resistant performance of the system is based on our measurements under the conditions herein described. Note that malfunctions as a result of water immersion caused by misuse by the customer are not covered by the warranty.

  (*1) IPX7 (Degree of protection against water immersion): Water will not enter the system and it will remain functional even if the system is gently immersed in a tank of tap water (static water) at a normal temperature at a depth of 1 meter for approx. 30 minutes.

  (*2) IPX5 (Degree of protection against jets of water): The system has been tested and found to remain functional after exposure to direct jet streams of water using a nozzle of 6.3 mm internal diameter from any direction where approximately 12.5 l/min of water is applied for a period of more than 3 minutes from a distance of about 3 meters.

Disposal of these headphones

The rechargeable battery built into these headphones can be recycled.

Contact the Denon Customer Service Center for details on disposing of these headphones.

Trademark information

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Specifications

■ Headphone section

Type:	Dynamic type
Drive units:	φ11.5 mm
Playback frequency:	5 – 22,000Hz
Output sound pressure level:	100 dBA

■ Bluetooth section

Compatible standards:	Bluetooth 4.1
Transmission power class:	Class1
Compatible profiles:	A2DP/AVRCP/HSP/HFP
A2DP codec support:	AAC/SBC
Continuous playback time:	Approx. 4 hours

■ General

Operating temperature range:	5 ℃ - 40 ℃
Power supply:	DC 3.7 V (internal lithium polymer rechargeable battery)
Weight:	23 g

＊ For purposes of improvement, specifications and design are subject to change without notice.

零部件名称	对象零部件	有害物质					
		铅 (Pb)	汞 (Hg)	镉 (Cd)	六价铬 (Cr(VI))	多溴联苯 (PBB)	多溴二苯醚 (PBDE)
电路板	电路板组件、安装·插入零部件、 电路板(不包括特定电子零部件)	×	○	○	○	○	○
机壳	顶盖、底盖、底壳、框架、 垫片、小螺丝等(金属、塑胶)、 (包含的接合材料)	○	○	○	○	○	○
附件	遥控器/AC适配器、电源线、 RCA信号线等附件、包装	○	○	○	○	○	○
备注：本表格依据SJ/T 11364的规定编制。 ○：在该零部件的所有均质材料中的有害物质的含量不超过在GB/T 26572标准规定的限量要求 ×：在该零部件中至少一种均质材料中的有害物质的含量超过在GB/T 26572标准规定的限量要求 　　（×判定：包括EU RoHS的豁免项目）							

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在此产品相关的安全和使用上遵守注意事项，在从生产日期起计算的此年限内，产品中的有害物质不会往外泄漏，或者引起突然变异而给环境污染，人体或财产带来重大影响。
另外，包装在一起的电池等消耗品的环保期限是技术寿命5年。
适当地使用完后废弃的情况，请协助遵守各自治体的电子电气产品回收·再利用相关的法律·规定。

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