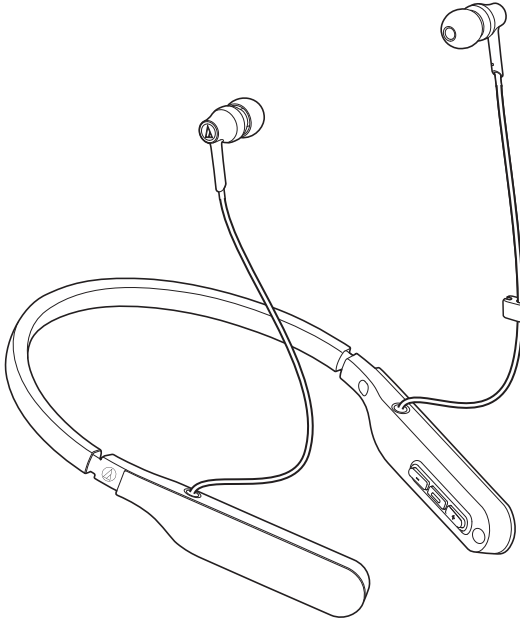




ATH-DSR5BT

User Manual
Wireless Headphones



Introduction

Thank you for purchasing this Audio-Technica product.

Before using the product, please read through the Quick Start Guide and Caution Guide, as well as this user manual when necessary, to ensure that you use the product correctly.

Safety precautions

Although this product was designed to be used safely, failing to use it correctly may result in an accident. To ensure safety, observe all warnings and cautions while using the product.

Cautions for the product

- Do not use the product near medical equipment. Radio waves may affect cardiac pacemakers and medical electronic equipment. Do not use the product inside medical facilities.
- When using the product in aircraft, follow airline instructions.
- Do not use the product near automatic control devices such as automatic doors and fire alarms. Radio waves may affect electronic equipment and cause accidents due to malfunction.
- Do not disassemble, modify or attempt to repair the product to avoid electric shock, malfunction or fire.
- Do not subject the product to strong impact to avoid electric shock, malfunction or fire.
- Do not handle the product with wet hands to avoid electric shock or injury.
- Disconnect the product from a device if the product begins to malfunction, producing smoke, odor, heat, unwanted noise or showing other signs of damage. In such a case, contact your local Audio-Technica dealer.
- Do not allow the product to get wet to avoid electric shock or malfunction.
- Do not put foreign matter such as combustible materials, metal, or liquid in the product.
- Do not cover the product with a cloth to avoid fire or injury by overheating.
- Follow applicable laws regarding mobile phone and headphone use if using headphones while driving.
- Do not use the product in places where the inability to hear ambient sound presents a serious risk (such as at railroad crossings, train stations, and construction sites).
- The product effectively shields external sound, so you may not hear sound around you clearly while wearing the product. Adjust the volume to a level where you can still hear background sound and monitor the area around you while listening to music.
- Store the eartips out of the reach of small children.
- When charging, make sure to use the included USB charging cable.
- Do not charge with devices that have quick-charge functionality (with a voltage of 5 V or more). Doing so may cause the product to malfunction.
- To prevent damage to your hearing, do not raise the volume too high. Listening to loud sound for an extended period may cause temporary or permanent hearing loss.
- Discontinue use if skin irritation results from direct contact with the product.
- If you begin to feel unwell while using the product, discontinue use immediately.
- When removing the product from your ears, check to make sure the eartips are still attached to the main unit. If the eartips become lodged in your ears and you are unable to remove them, consult a physician at once.
- If you develop an itch from wearing the product, discontinue use.

Safety precautions

Cautions for rechargeable battery

The product is equipped with a rechargeable battery (lithium polymer battery).

- If battery fluid gets into eyes, do not rub them. Rinse thoroughly with clean water such as tap water and consult a doctor immediately.
- If battery fluid leaks, do not touch fluid with bare hands. If fluid remains inside the product, it may cause malfunction. If battery fluid leaks, contact your local Audio-Technica dealer.
 - If fluid gets in your mouth, gargle thoroughly with clean water such as tap water and consult a doctor immediately.
 - If your skin or clothing comes in contact with fluid, immediately wash the affected skin or clothing with water. If you experience skin irritation, consult a doctor.
- To avoid leakage, generation of heat or explosion:
 - Never heat, disassemble or modify the battery, nor dispose of it in a fire.
 - Do not attempt to pierce with a nail, hit with a hammer or step on the battery.
 - Do not drop the product or subject it to strong impact.
 - Do not get the battery wet.
- Do not use, leave or store the battery in the following places:
 - Area exposed to direct sunlight or high temperatures and humidity
 - Inside of a car under the blazing sun
 - Near heat sources such as heat registers
- Charge only with the included USB cable to avoid malfunction or fire.
- The internal rechargeable battery of this product cannot be replaced by the user. The battery may have reached the end of its service life if the usage time becomes significantly shorter even after the battery has been fully charged. If this is the case, the battery needs to be repaired. Contact your local Audio-Technica dealer for repair details.
- When the product is disposed of, the built-in rechargeable battery needs to be discarded properly. Contact your local Audio-Technica dealer to learn how to properly dispose of the battery.

For customers in the USA

FCC Notice

Warning

This device complies with Part 15 of the FCC Rules. Operation is subject to the following two conditions: (1) This device may not cause harmful interference, and (2) this device must accept any interference received, including interference that may cause undesired operation.

Caution

You are cautioned that any changes or modifications not expressly approved in this manual could void your authority to operate this equipment.

Note: This equipment has been tested and found to comply with the limits for a Class B digital device, pursuant to part 15 of the FCC Rules. These limits are designed to provide reasonable protection against harmful interference in a residential installation. This equipment generates, uses and can radiate radio frequency energy and, if not installed and used in accordance with the instructions, may cause harmful interference to radio communications. However, there is no guarantee that interference will not occur in a particular installation. If this equipment does cause harmful interference to radio or television reception, which can be determined by turning the equipment off and on, the user is encouraged to try to correct the interference by one or more of the following measures:

- Reorient or relocate the receiving antenna.
- Increase the separation between the equipment and receiver.
- Connect the equipment to an outlet on a circuit different from that to which the receiver is connected.
- Consult the dealer or an experienced radio/TV technician for help.

RF Exposure Statement

This transmitter must not be co-located or operated in conjunction with any other antenna or transmitter used in other systems. This device complies with FCC radiation exposure limits set forth for an uncontrolled environment and meets the FCC radio frequency (RF) Exposure Guidelines. This equipment has very low levels of RF energy that is deemed to comply without testing of specific absorption rate (SAR).

For customers in Canada

IC statement

CAN ICES-3 (B)/NMB-3(B)

This device complies with INDUSTRY CANADA R.S.S. 247.

Operation is subject to the following conditions: (1) This device may not cause harmful interference, and (2) this device must accept any interference received, including interference which may cause undesired operation.

Under Industry Canada regulations, this radio transmitter may only operate using an antenna of a type and maximum (or lesser) gain approved for the transmitter by Industry Canada. To reduce potential radio interference to other users, the antenna type and its gain should be so chosen that the equivalent isotropically radiated power (e.i.r.p.) is not more than that necessary for successful communication.

This device complies with RSS-102 radiation exposure limits set forth for an uncontrolled environment.

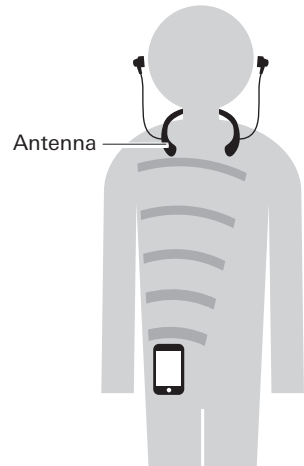
Notes on use

- Be sure to read the connected device's user manual before use.
- Audio-Technica will not be liable in any way for any loss of data in the unlikely event that such losses should occur while using the product.
- On public transportation or in other public places, keep the volume low so as not to disturb other people.
- Minimize the volume on your device before connecting the product.
- When using the product in a dry environment, you may feel a tingling sensation in your ears. This is caused by static electricity accumulated on your body, not by product malfunction.
- Do not subject the product to strong impact.
- Do not store the product in direct sunlight, near heating devices, or in hot, humid, or dusty places. Additionally, do not allow the product to get wet.
- When the product is used for a long time, the product may become discolored due to ultraviolet light (especially direct sunlight) and wear.
- Make sure to hold the plug when connecting and disconnecting the USB charging cable. The USB charging cable may become severed or an accident may occur if you pull on the cable itself.
- When you are not using the USB charging cable, disconnect it from the product.
- If the product is placed in a bag while the USB charging cable is still connected, the USB charging cable may become caught, severed, or broken.
- When you are not using the product, store it in the included pouch.
- This product can be used to talk on the phone only when using a mobile telephone network. Support for telephony apps that use a mobile data network is not guaranteed.
- If you use the product near an electronic device or transmitter (such as a mobile phone) which is not connected with the product, unwanted noise may be heard. In this case, move the product away from the electronic device or transmitter.
- If you use the product near a TV or radio antenna, noise may be seen or heard in the television or radio signal. In this case, move the product away from the TV or radio antenna.
- To protect the built-in rechargeable battery, charge it at least once every 6 months. If too much time passes between charges, the life of the rechargeable battery may be reduced, or the rechargeable battery may no longer be able to be charged.

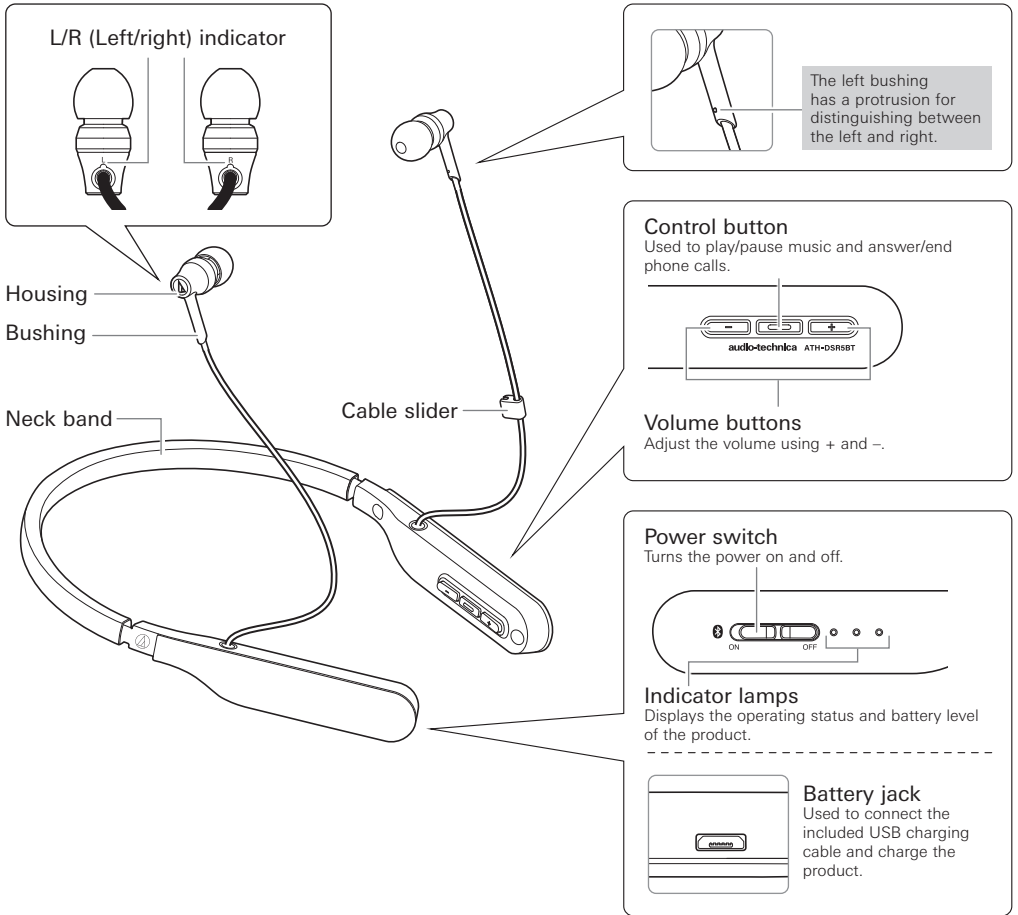
For a more comfortable Bluetooth® communication experience

The effective communication range of this product varies depending on obstructions and radio wave conditions.

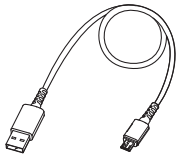
For a more enjoyable experience, please use the product as close as possible to the Bluetooth device. To minimize noise and sound disruptions, avoid placing your body or other obstacles between the product's antenna and the Bluetooth device.



Part names and functions



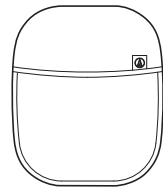
■ Accessories



- USB charging cable (30 cm (12"))



- Eartips* (XS, S, M, L)



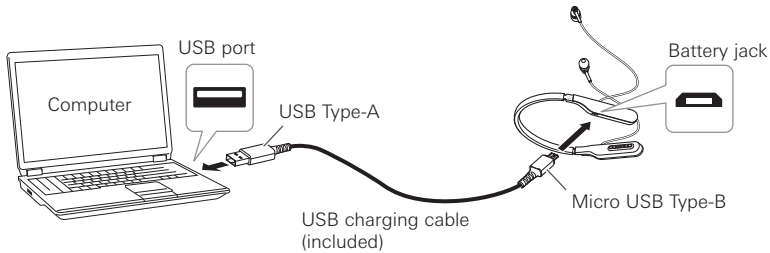
- Pouch

* At the time of purchase, the M-size eartips are attached to the main unit.

Charging the battery

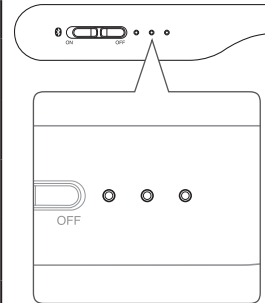
- Fully charge the battery when using for the first time.
- When the rechargeable battery is running low, the product will beep through the headphones, and an indicator lamp will flash in red. When these beeps sound, charge the battery.
- It takes about 3 hours to charge the battery fully. (This time may vary depending on usage conditions.)
- While charging the battery, the product's Bluetooth connection remains disabled and therefore the product cannot be used.

1. Connect the included USB charging cable (micro USB Type-B side) to the battery jack.
 - The included USB charging cable is designed for exclusive use with the product. Do not use any other USB charging cable.
 - When inserting the USB charging cable into the USB port or battery jack, check that the jack is facing in the correct direction before inserting it directly (horizontally).



2. Connect the included USB charging cable (USB Type-A side) to the computer to start charging.
 - During charging, the 3 indicator lamps light as follows to indicate the battery level.*1

Battery charge status	Indicator lamps ● Red ○ White ● Off		
	Lamp display	Light pattern	
Less than 30%	○ ● ●	Flashing	
30 to 60%	○ ● ●	Only center lamp flashing	
60 to 100%	○ ○ ●	Only right lamp flashing	
Charging complete	○ ○ ○	Lit	
Charging error*2	○ ○ ●	Flashing quickly	



*1 It may take several seconds for the indicator lamp to light.

*2 Charging errors are caused by battery malfunction. Disconnect the product from the computer and then contact your local Audio-Technica dealer.

3. When charging is complete, disconnect the USB charging cable (USB Type-A side) from the computer.
4. Disconnect the USB charging cable (micro USB Type-B side) from the product's battery jack.

Connecting via Bluetooth wireless technology

About pairing

To connect the product to a Bluetooth device, the product needs to pair (register) with the device. Once they are paired, you do not need to pair them again.

However, you will need to pair again in the following cases:

- If the product is deleted from the Bluetooth device's connection history.
- If the product is sent out for repair.
- If 9 or more devices are paired.

(This product can save the pairing information of up to 8 devices. When you pair with a new device after pairing with 8 devices, pairing information for the device with the oldest connection date will be overwritten by the information for the new device.)

Pairing a Bluetooth device

- Read the user manual for the Bluetooth device.
 - Place the Bluetooth device within 1 m (3.3') of the product to perform pairing correctly.
 - To confirm the progress of the pairing process, wear the product while performing this procedure and listen for the confirmation tone.
1. Starting with the product turned off, slide the power switch to the "ON" position.
 - For information about how the indicator lamps indicate pairing (searching for devices), refer to "Indicator lamp display" (p. 14).
 2. Use your Bluetooth device to begin the pairing process and search for the product.
When your Bluetooth device finds the product, "ATH-DSR5BT" will be displayed on the device.
 - For information about using your Bluetooth device, refer to the device's user manual.
 3. Select "ATH-DSR5BT" to pair the product and your Bluetooth device.
 - Some devices may ask for a passkey. In this case, enter "0000". The passkey may also be called a passcode, PIN code, PIN number, or password.
 - The product sounds a confirmation tone when pairing is complete.



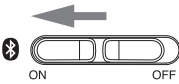






Using the product

The product can use Bluetooth wireless technology to connect to your device and play music, receive phone calls, etc. Use the product for whichever of these purposes suits your needs.

Note that Audio-Technica cannot guarantee the operation of displays, such as the battery level display, or applications via Bluetooth devices.

Power supply ON/OFF

Slide the power switch to the "ON" or "OFF" position.

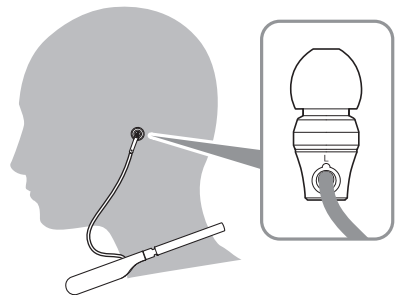
Power supply	Power switch operation	Indicator lamps*2 ● Red ○ White ● Off		
		Lamp display	Battery charge status	Light pattern
ON*1			Battery level low	Flashing at 5-second intervals.
			Less than 30%	The indicator lamps light from right to left to indicate that the product is in "pairing" mode.
			30 to 60%	
			60 to 100%	
OFF*1			While the 3 indicator lamps are flashing, each turns off in order from left to right.	

*1 If you are wearing the product, you will hear a beep to indicate when the product has turned on and off.

*2 It may take several seconds for the indicator lamp to light.

Wearing the product

- Insert the side of the product marked "L" (LEFT) into the left ear and the side marked "R" (RIGHT) into the right ear, and then adjust the eartips.



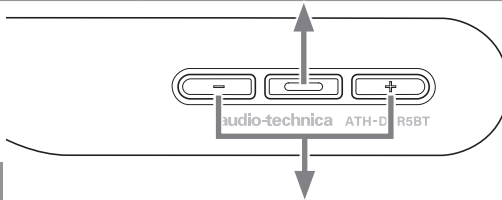
Using the product

Listening to music

- To connect for the first time, pair the product and your device via Bluetooth wireless technology. If you have already paired the product and your Bluetooth device, turn on the Bluetooth device's Bluetooth connection before turning on the product.
- Use your Bluetooth device to start playback, referring to the device's user manual as necessary.

Control button

Press	Play/pause	Plays or pauses music and video playback.*1
Press twice	Battery level indicator	The indicator lamps light in the same way as when the power switch is turned on (p. 7).
Press and hold (for about 2 seconds)		Depending on the connected device, activates the device's speech recognition feature (such as Siri for compatible iOS devices).



Volume buttons

+ button	Press	Volume up	Increases the volume by 1 level.*2
	Press and hold (for about 2 seconds)	Skip forward	Plays the next track.*1
- button	Press	Volume down	Decreases the volume by 1 level.*2
	Press and hold (for about 2 seconds)	Skip back	Plays the previous track.*1

*1 Some controls may not be available for music and video playback on some smartphones.

*2 A confirmation tone is heard when the volume is at the maximum or minimum level.





- The volume control of some devices may not work well with the product.

Using the product

Compatible codecs

The product is compatible with Qualcomm® aptX™ HD audio (hereafter “aptX HD”), Qualcomm® aptX™ audio (hereafter “aptX”), AAC, and SBC codecs. The appropriate codec will be determined automatically by the Bluetooth device during the pairing process.

The indicator lamps also light to indicate the connection codec used during music or video playback.

Connection codec	Indicator lamps ○ White ● Purple ● Off		
	Lamp display	Light pattern	
aptX HD		Flashing at 3-second intervals.	
aptX			
AAC			
SBC			

If sound cuts out while listening to music using the aptX HD connection codec, you may be able to remedy the problem by switching to a mode incompatible with the aptX HD codec.

You may also be able to alleviate significant sound delays by switching the connection codec to SBC (SBC priority connection mode).

• **Switch to a mode incompatible with the aptX HD codec:**

1. When the power is off, slide the power switch toward “ON” while holding the control button.
2. To display the battery level, slide the power switch to “ON” or press the control button twice.
 - Confirm that the right indicator lamp is blue, or either the center indicator lamp or left indicator lamp is white.*

* The codec (aptX, AAC, SBC) used after switching is different depending on the connected device.

• **Switch to SBC priority connection mode:**

1. When the power is off, slide the power switch toward “ON” while holding the volume “-” button.
2. To display the battery level, slide the power switch to “ON” or press the control button twice.
 - Confirm that the right indicator lamp is red.

• **Switch to the normal mode (the mode compatible with the aptX HD codec):**

1. When the power is off, slide the power switch toward “ON” while holding the volume “+” button.
2. To display the battery level, slide the power switch to “ON” or press the control button twice.
 - Confirm that the right indicator lamp is white (normal indicator lamp display).

Using the product

Talking on the phone

- If your Bluetooth device supports telephone features, you can use the product to talk on the phone.
- When your Bluetooth device receives a phone call, the product sounds a ring tone.
- If a call is received while you are listening to music, music playback is paused. When you finish the call, music playback resumes.*1

When	Operation	Function
Receiving a call	Press the control button.	Answers the call.
	Press and hold the control button (for about 2 seconds).	Rejects the call.
Talking on a call	Press the control button.	Ends the call.
	Press and hold the control button (for about 2 seconds).	Each time you press and hold the button (about 2 seconds), you switch the call to your mobile phone or to the product.*2
	Press a volume button (+ or -).	Adjusts the volume (+ or -) of the call.

*1 Depending on your Bluetooth device, music playback may not resume.

*2 When you hear a confirmation tone, release the control button.

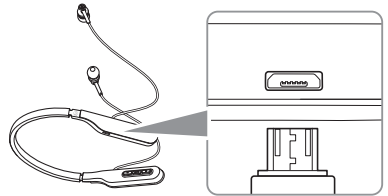
- The phone call controls explained above may not be available on some smartphones.

Auto power off function

The product automatically turns off after 5 minutes of not being connected to a device.

Reset function

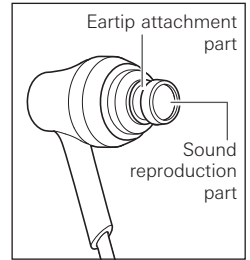
If the product does not work or other malfunctions occur, refer to "Charging the battery" (p. 5) and connect the USB charging cable that is carrying power, and then reset the product. Disconnecting and then reconnecting the USB charging cable should resolve any problem you are experiencing. If the problem persists, please contact your local Audio-Technica dealer. Resetting does not change any of your settings (pairing information, volume setting, etc.).



Cleaning

Get into the habit of regularly cleaning the product to ensure that it will last for a long time. Do not use alcohol, paint thinners, or other solvents for cleaning purposes.

- To clean, wipe with a dry cloth.
- Immediately wipe off any moisture such as sweat that enters the battery jack. Failure to do so may result in a malfunction due to corrosion.
- Natural oils from the skin are particularly likely to build up on the eartip attachment parts (see figure at right). If these areas are not cleaned, the eartips can become detached. Clean them regularly. Do not touch the areas where sound is produced as they are delicate. Doing so may result in malfunction.
- Wipe away any perspiration or dirt from the cable with a dry cloth immediately after use. Failure to clean the cable may cause it to deteriorate and harden over time, resulting in malfunction.
- Wipe the cable's USB plug with a dry cloth if dirty.
- Clean the eartips by removing them from the headphones and manually cleaning them with a diluted mild detergent. After cleaning, dry before using again.



- If the product will not be used for an extended period of time, store it in a well-ventilated place free from high temperatures and humidity.

Eartips

Eartip size

The product includes silicone eartips in 4 sizes (XS, S, M, and L). At the time of purchase, the M-size silicone eartips are attached.

To ensure the best sound quality, select the eartip size that is best suited for you, and adjust the eartips inside your ears for a snug fit.

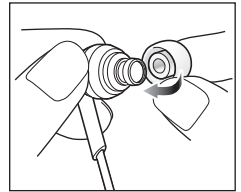
It may be difficult to hear bass sounds if the eartips do not fit snugly in your ears.

Replacing the eartips

Remove the old eartip and attach the new eartip by pushing it onto the headphone at an angle (see figure).

Push firmly on the eartip so that the inside of the eartip expands, and push the eartip onto the post as far as it will go.

- The eartips are designed to be difficult to remove, therefore the fit is very tight when attaching them.



- Periodically remove and clean the eartips as they become dirty easily. Using dirty eartips may cause the headphones themselves to become dirty, resulting in deteriorated sound quality.
- Eartips are consumable parts that degrade through storage and use. If the eartips are loose and easily removed or if they appear to have degraded, purchase replacements.
- When reattaching eartips that were previously removed, be sure to check that they are securely attached. Injury or illness may occur if the eartips become detached and are left inside the ear.

Troubleshooting









Problem	Solution
Power is not supplied.	<ul style="list-style-type: none">• Charge the product.
Unable to pair.	<ul style="list-style-type: none">• Confirm that the Bluetooth device communicates using Ver. 2.1+EDR or higher.• Place the product and the Bluetooth device within 1 m (3.3') of each other.• Set the profiles for the Bluetooth device. For procedures on how to set profiles, refer to the Bluetooth device's user manual.• Remove the pairing information for the Bluetooth device then pair the product with this device again.
No sound is heard / Sound is faint.	<ul style="list-style-type: none">• Turn on the power of the product and the Bluetooth device.• Turn up the volume of the product and the Bluetooth device.• If the Bluetooth device is set to the HFP/HSP connection, switch to the A2DP connection.• Move away from obstacles between the product and the Bluetooth device, such as people, metal or walls, and place the product and device closer together.• Switch the sound output of the Bluetooth device to the Bluetooth connection.
Sound is distorted / Noise is heard / Sound cuts out.	<ul style="list-style-type: none">• Turn down the volume of the product and the Bluetooth device.• Keep this product away from devices that emit radio waves such as microwaves and wireless routers.• Keep this product away from TVs, radios, and devices with built-in tuners. These devices can also be affected by the product.• Turn off the equalizer settings of the Bluetooth device.• Remove obstacles between the product and the Bluetooth device and place them closer together. For details, please refer to "For a more comfortable Bluetooth® communication experience" (p. 3).• Refer to "Switch to a mode incompatible with the aptX HD codec" under "Compatible codecs" (p. 9) to use a connection codec other than aptX HD.
Cannot hear the voice of the caller / Voice of the caller is too quiet.	<ul style="list-style-type: none">• Turn on the power of the product and the Bluetooth device.• Turn up the volume of the product and the Bluetooth device.• If the Bluetooth device is set to the A2DP connection, switch to the HFP/HSP connection.• Switch the sound output of the Bluetooth device to the Bluetooth connection.
The product cannot be charged.	<ul style="list-style-type: none">• Securely connect the included USB charging cable and charge the product.
Sound is delayed (video and audio are out of sync).	<ul style="list-style-type: none">• Refer to "Switch to SBC priority connection mode" under "Compatible codecs" (p. 9) to use the SBC connection codec.
	<ul style="list-style-type: none">• For details about how to operate your Bluetooth device, refer to the device's user manual.• If the problem still remains, reset the product. To reset the product, refer to "Reset function" (p. 10) under "Using the product".

Indicator lamp display

The indicator lamp of the product indicates the product's status as explained below.

For information about how the indicator lamps indicate the battery (charging) status, see "Charging the battery" (p. 5).

For information about how the indicator lamps indicate the codec, see "Compatible codecs" (p. 9).

Status	Indicator lamps  White  Blue  Off		
	Lamp display	Light pattern	
Pairing (searching for devices)		Each lamp turns on in order from right to left → All lamps turn off → Each lamp turns on in order from left to right → All lamps turn off → Pattern repeats	
Waiting to be connected		Flashing at 3-second intervals	
Connecting		Each lamp turns on in order from right to left → All lamps turn off for 3 seconds → Each lamp turns on in order from left to right → All lamps turn off for 3 seconds → Pattern repeats	
Receiving a call		Flashing	
Talking on a call		Flashing at 3-second intervals	

Specifications

Headphones

Type	Dynamic
Driver	9.8 mm, 8.8 mm
Sensitivity	102 dB/mW
Frequency response	5 to 45,000 Hz
Impedance	10 ohms

Microphone

Type	Electret condenser
Polar pattern	Omnidirectional
Sensitivity	-42 dB (1 V/Pa, at 1 kHz)
Frequency response	100 to 10,000 Hz

Communication specifications

Communication system	Bluetooth version 4.2
RF output	2.8 mW EIRP
Maximum communication range	Line of sight - approx. 10 m (33')
Frequency band	2.402 GHz to 2.480 GHz
Modulation method	FHSS
Compatible Bluetooth profiles	A2DP, AVRCP, HFP, HSP
Support codec	Qualcomm® aptX™ HD audio, Qualcomm® aptX™ audio, AAC, SBC
Supported content protection method	SCMS-T
Supported sample rates	44.1 kHz, 48 kHz
Supported bit rates	16 bit, 24 bit*1
Transmission band	20 to 20,000 Hz

Other

Power supply	DC 3.7 V lithium polymer battery
Charging time	Approx. 3 hours*2
Operating time	Continuous transmission time (music playback): Max. approx. 8 hours*2 Continuous standby time: Max. approx. 500 hours*2
Weight	63 g (2.2 oz)
Operating temperature	5°C to 40°C (41°F to 104°F)
Accessories	<ul style="list-style-type: none">• USB charging cable (30 cm (12")), USB Type-A / micro USB Type-B)• Eartips (XS, S, M, L)• Pouch
Sold separately	<ul style="list-style-type: none">• Eartips ER-CKM55XS, S, M, L

*1 During playback using the aptX HD connection codec

*2 The above figures depend on operating conditions.

For product improvement, the product is subject to modification without notice.

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