

ATH-CKS50TW2

Wireless Headphones

User Manual

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 headphones

- 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.
- 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 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 product out of the reach of small children.
- 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.

Cautions for charging case

- 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.
- Do not charge the product if water or foreign matter is inside the battery jack or USB charging cable. Doing so may cause corrosion, heat generation, smoke, fire, or other malfunction or electric shock in the battery jack or USB charging cable.
- Do not charge the battery if the terminal of the USB charging cable is bent, loose, or damaged.
- Doing so may cause heat generation, smoke emission, fire or electric shock.
- 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.
- Do not store the product in direct sunlight, near heating devices, or in hot, humid, or dusty places because such storage could cause malfunction or defect.
- Do not put the product close to fire because that could cause deformation or malfunction.
- Do not use benzine, paint thinners and electrical contact cleaner, etc. because use of such material could cause deformation or malfunction.

Cautions for rechargeable battery

The headphones and charging case are equipped with a rechargeable battery (lithium-ion 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, CANADA

FCC, ISED 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.

This transmitter must not be co-located or operated in conjunction with any other antenna or transmitter used in other systems.

RF Exposure Statement

This device complies with FCC and ISED radiation exposure limits set forth for an uncontrolled environment and meets the FCC and ISED 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). This equipment should be installed and operated with a minimum distance of 0 cm between the radiator and your body.

Cet appareil est conforme aux limites d'exposition aux rayonnements de la FCC et d'ISED établies pour un environnement non contrôlé et répond aux directives d'exposition aux radiofréquences (RF) de la FCC et d'ISED. Cet équipement a de très faibles niveaux d'énergie RF qui sont considérés comme conformes sans test de débit d'absorption spécifique (DAS). Cet équipement doit être installé et utilisé avec une distance minimale de 0 cm entre le radiateur et votre corps.

Contact:

Responsible Company: Audio-Technica U.S., Inc.

Address: 1221 Commerce Drive, Stow, Ohio 44224, USA

Tel: 330-686-2600

For customers in Canada

ISED statement

CAN ICES-003(B)/NMB-003(B)

This device contains licence-exempt transmitter(s)/receiver(s) that comply with Innovation, Science and Economic Development Canada's licence-exempt RSS(s). Operation is subject to the following two conditions:

(1) This device may not cause interference.

(2) This device must accept any interference, including interference that may cause undesired operation of the device.

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

L'émetteur/récepteur exempt de licence contenu dans le présent appareil est conforme aux CNR d'Innovation, Sciences et Développement économique Canada applicables aux appareils radio exempts de licence. L'exploitation est autorisée aux deux conditions suivantes :

(1) L'appareil ne doit pas produire de brouillage;

(2) L'appareil doit accepter tout brouillage radioélectrique subi, même si le brouillage est susceptible d'en compromettre le fonctionnement.

ATH-CKS50TW2L, ATH-CKS50TW2R

FCC ID: JFZCKS50TW2L IC: 1752B-CKS50TW2L

FCC ID: JFZCKS50TW2R IC: 1752B-CKS50TW2R

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.
- When the product is used for a long time, the product may become discolored due to ultraviolet light (especially direct sunlight) and wear.
- If the charging case is placed in a bag while the USB charging cable is still connected, the USB charging cable may become caught, severed, or broken.
- 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 charging case.
- When you are not using the product, store it in the included charging case.
- If you use eartips other than those included, the headphones may not fit into the charging case, or may not charge. Be sure to use the included eartips.
- When using the product, select the eartips that fit your ears best, and wear the product securely.
- 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), 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 radio antenna, noise may be seen or heard in the radio signal. In this case, move the product away from the 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.
- Charge the product in a well-ventilated place (10 to 35°C (50 to 95°F)) away from direct sunlight. Otherwise, the battery may deteriorate, possibly resulting in shorter periods of continuous use or may fail to charge.
- If the headphones are wet, wipe them with a dry cloth before placing them in the charging case. The charging case is not water-resistant (drip-proof). Do not charge the product if the headphones are wet.
- The talk-through mode or hear-through mode of the product allows you to hear the sounds around you through the built-in microphone. Depending on the volume of the music being played back, the surrounding sounds may be difficult to hear. In this case, turn down the volume of the music.
- Depending on your surroundings, the ambient sounds may be difficult to hear even when using the product's talk-through mode or hear-through mode. Do not use the product in places that are dangerous if you cannot hear the surrounding sounds, such as places with heavy traffic.

About the active noise-cancelling function

The product is designed to use its built-in microphone to pick up noise from the surrounding environment (noise from vehicles, noise from air conditioners, etc.) and to cancel out that noise by producing sounds in negative phase. This results in a reduction in the sounds in your environment.

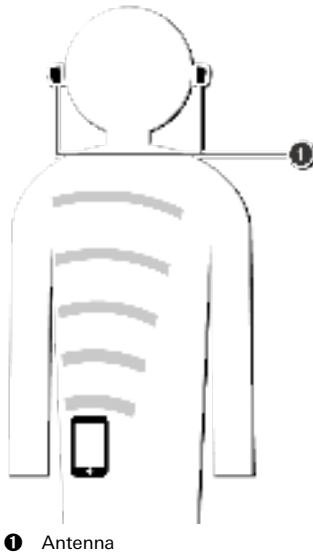
- The product's noise-cancelling function is mainly effective against noises in the lower frequency range, but not all noises are cancelled.
- Depending on the type of noise (or in quiet locations), you may not notice the noise-cancelling effect.
- A slight humming sound may be heard when using the noise-cancelling function. This is a sound generated by the noise-cancelling function; it is not a malfunction.
- The noise-cancelling effect may vary or a bleep (howling) may occur depending on how you wear the product. In these cases, take off the product and put the product in your ears again correctly.
- To maximize the noise-cancelling effect, select the eartips that offer the best sound insulation for each side to block surrounding sound, and insert the headphones into the ears correctly.
- When you use the product in a train or a vehicle such as bus or truck, noise may be heard depending on rail/street conditions.

Waterproof and dustproof performance

- The waterproof performance of the product is designed to prevent the ingress of liquids from sweating during operation and simple washing (equivalent to IPX5). JIS/IEC protection grade IPX5 means that the headphones are protected against exposure to water jets. The headphones cannot be used in hot and humid places, such as bathrooms.
- The headphones are not completely waterproof. Do not intentionally submerge or use the headphones in water. Also, do not expose the headphones to liquids other than sweat and water (such as soapy water).
- The dustproof specification of this product is designed to prevent dust and dirt from entering the interior (equivalent to IP5X). JIS/IEC protection grade IP5X means that the earphones are protected against the ingress of dust that would otherwise hinder operation.
- The waterproof and dustproof specifications of this product apply only to the headphones. The charging case is not waterproof or dustproof.
- Although the headphones have waterproof and dustproof capabilities equivalent to IP55, the part where the sound comes from is not waterproof or dustproof.
- The headphones may not function properly if they become wet. Wipe the headphones with a dry cloth, shake them multiple times to remove any excess water, and allow the headphones to dry thoroughly before use. For details, please refer to the instruction manual on our website.

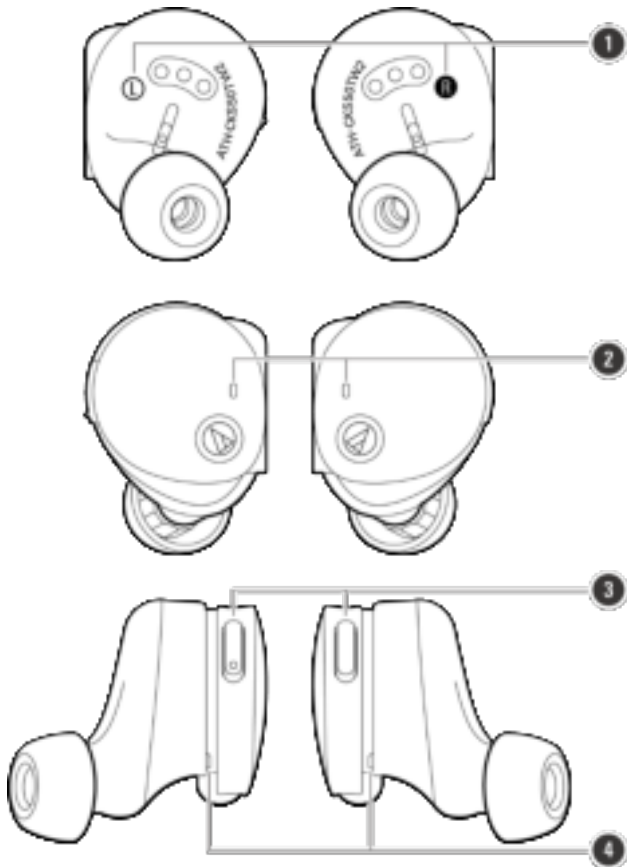
For a more comfortable Bluetooth communication experience

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

Headphones



❶ L/R (left/right) indicator

❷ Indicator lamp

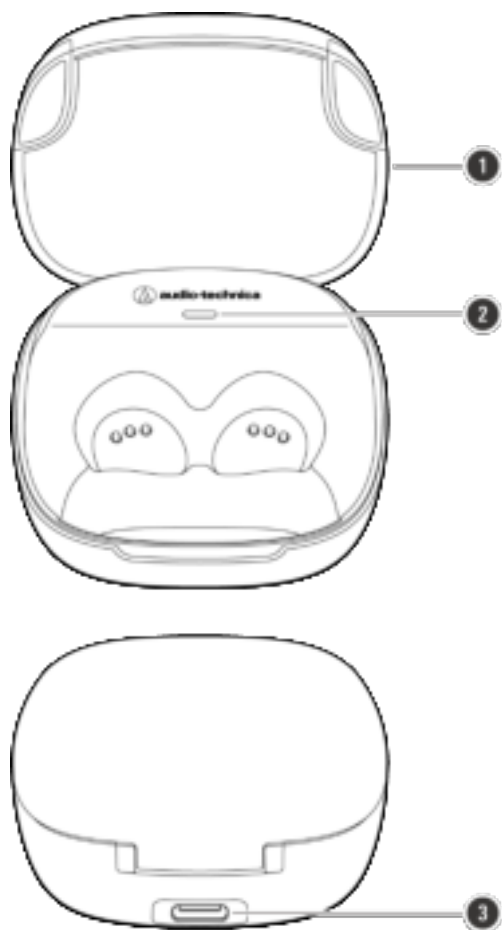
Displays the operating status and battery level of the headphones.

❸ Multifunction button

Use to play/pause music and answer phone calls. Also use to adjust the volume (+/-). The L (left) side has a protrusion for distinguishing between the left and right.

❹ Microphone

Charging case



❶ Cover

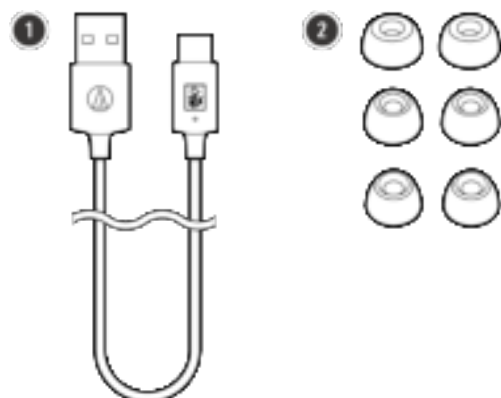
❷ Indicator lamp

Lights/flashes when charging the charging case. Also displays the battery level of the charging case.

❸ Battery Jack

Use to connect the included USB charging cable and charge the product.

Accessories



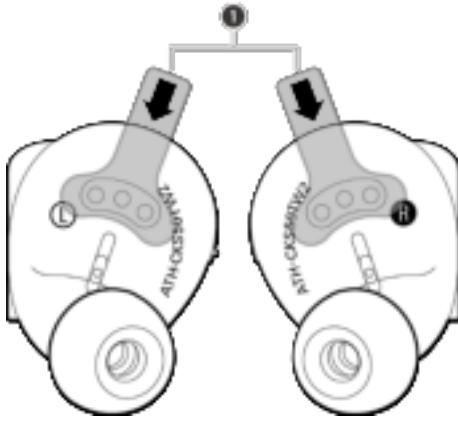
❶ USB charging cable (30 cm, USB Type-A / USB Type-C)

❷ Eartips (XS, S, M, L)

At the time of purchase, the M-size eartips are attached to the product.

Removing the insulation seal

Remove the insulation seal before use.



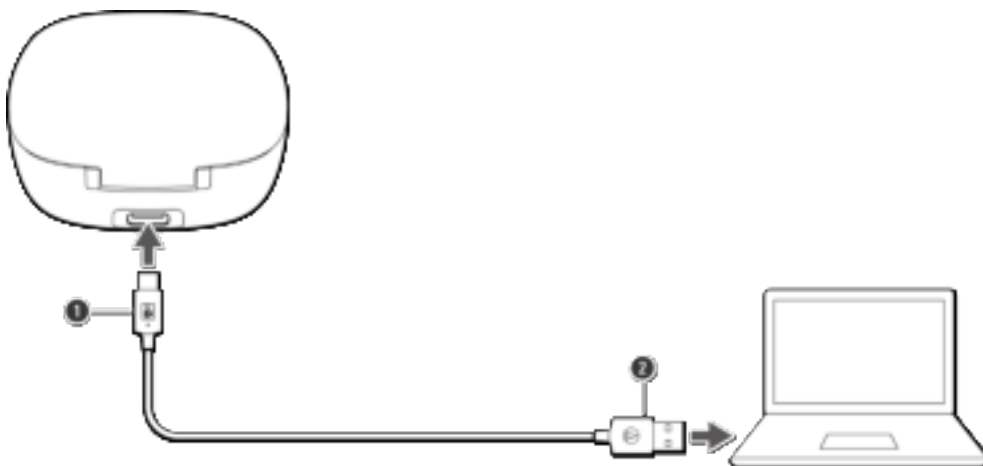
I Insulation seals

Charging the battery

- Fully charge the battery when using for the first time.
- When the rechargeable battery is running low, the voice guidance will play the message “Low battery”, and the indicator lamps will flash in orange. Charge the battery as soon as possible.
- The charging time required to fully charge the earphones is: Approx. **XX** hours / charging case: Approximately 3 hours (depending on usage conditions).
- This product is equipped with an overheat prevention function that stops charging when it detects abnormal heat generation.
- Charge the product in a well-ventilated place (10 to 35°C (50 to 95°F)) away from direct sunlight. Charging outside the normal charging temperature range may result in failure to charge or longer charging time. Also, the battery may deteriorate, possibly resulting in shorter periods of continuous use or failure to charge.

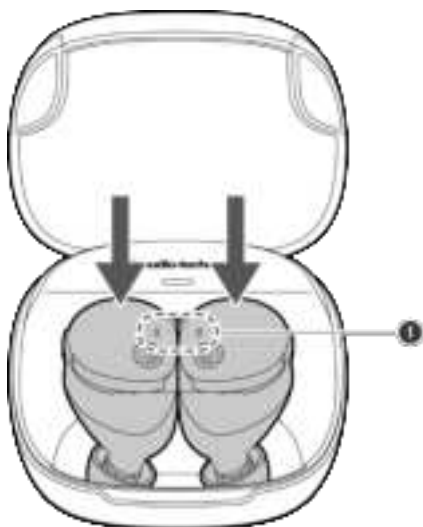
Charging the headphones and charging case

- 1** Connect the supplied USB cable for charging (USB Type-C side) to the battery jack on the charging case.
 - 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, insert it directly (horizontally).



- ❶ USB Type-C
- ❷ USB Type-A

- 2** Place the headphones in the charging case.
 - When charging the headphones, make sure the indicator lamps on the headphones light up. If they do not light up, remove the headphones and place them in the case again.



❶ Indicator lamp

3 Connect the included USB charging cable (USB Type-A side) to the computer to start charging.

- While charging, the indicator lamp on the charging case lights/flashes as follows. (It may take several seconds for the indicator lamp to light.)



❶ Indicator lamp

Indicator lamp	Status
Flashing orange -> Flashing yellow -> Flashing green	Charging (The indicator lamp flashes orange when the battery level is low and changes to yellow then green as the battery level increases.)
Lights in green for 7 seconds, and then turns off	Charging complete
Flashing orange (twice)	Battery has no power
Flashing orange quickly	Charging Error. ^[1]
Flashing red	Abnormality Detection ^[2]

[1] The charging case or headphones may be hot. Allow the temperature of the product to cool sufficiently before charging in a well-ventilated place (10 to 35°C (50 to 95°F)) away from direct sunlight.

[2] Discontinue use of the product and contact your local Audio-Technica dealer for repair.

4 When charging is complete, disconnect the USB charging cable (USB Type-A side) from the computer.

- 5** Disconnect the USB charging cable (USB Type-C side) from the battery jack on the charging case.

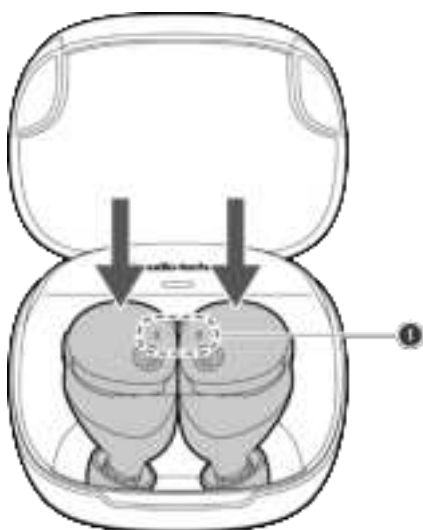
Caution

- When charging, make sure to use the included USB charging cable. The product may not charge with cables other than the included USB charging cable.
- Always make sure the headphones are not wet before charging. The headphones may not operate correctly or may not turn on if they are wet. Wipe the headphones with a dry cloth, shake them multiple times to remove any excess water, and allow the headphones to dry thoroughly before charging.

Charging headphones without the USB charging cable

A rechargeable battery is built into the charging case. If you have charged the charging case, you can charge the headphones without using the USB charging cable.

- 1** Place the headphones in the charging case.
- While charging, the headphone indicator lamps light as follows. (It may take several seconds for the indicator lamps to light.)
 - When charging the headphones, make sure the indicator lamps on the headphones light up. If they do not light up, remove the headphones and place them in the case again.



1 Indicator lamp

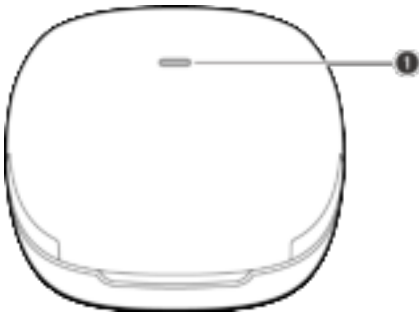
Indicator lamp	Status
Lights in white	Charging
Off	Charging complete / Charging case battery has no power

Checking the battery level of the charging case

When opening/closing the cover of the charging case, the indicator lamp flashes to indicate the battery level of the charging case.

1 Open/close the charging case cover.

- The indicator lamp flashes as follows. The color of the indicator lamp indicates the battery level.



1 Indicator lamp

Indicator lamp	Status
Flashing orange slowly (once)	Battery level low
Flashing yellow slowly (once)	Battery level medium
Flashing green slowly (once)	Battery level high
Flashing orange quickly (twice)	Battery is discharged. Charge the charging case.

Wireless charging

Wireless charging can be done using commercially available Qi " Qi " standard wireless chargers.

A wireless charger is not included. Please purchase one separately.

- Close the charging case cover and place the charging case on the wireless charger. The indicator lamp of the charging case lights and flashes in the same manner as when charging with a USB charging cable.
- When charging, refer to the user manual for the wireless charger to confirm the correct placement method.
- The maximum power that can be received by this product is 2.5 W.

Note

- Charging simultaneously with a wireless charger and USB charging cable is not possible.
-

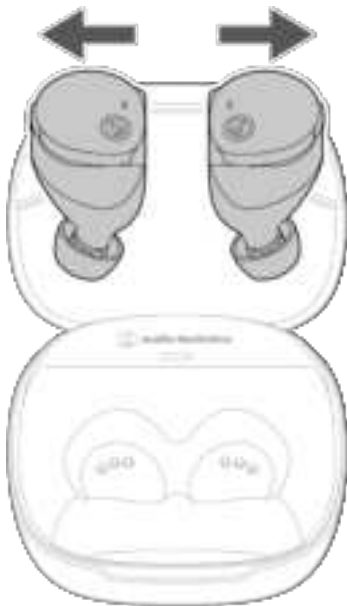
Caution

- Do not allow any objects between the charging case and the wireless charger when charging. For details, refer to the user manual of your wireless charger.
-

Power supply ON/OFF

Turning on the product

- 1** Remove the headphones from the charging case.
- 2** Separate the L (left) and R (right) sides of the earphones.



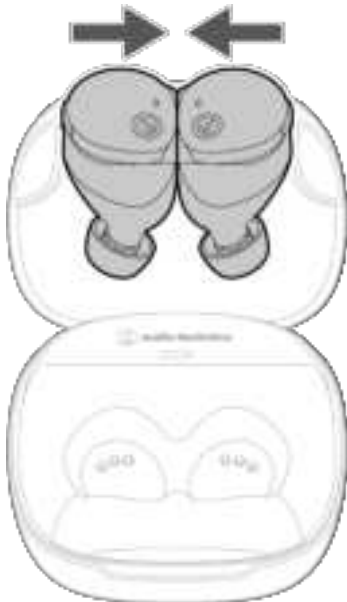
» The power will turn on automatically and the indicator lamps on the headphones will light in white and then flash.

Note

- To manually turn on the power, press and hold the multi-function button (about 1 second).
- It may take several seconds for the indicator lamps to light.

Turning off the product

- 1 Attach the L (left) and R (right) sides of the earphones.



» The power will turn off automatically.

Note

- To manually turn off the power, press and hold the multi-function button (about 4 seconds) (a confirmation tone will sound while you press and hold the button, but keep it pressed until the power is turned off).

Connecting via Bluetooth

To connect the product to a Bluetooth device, the product needs to pair (register) with the device.

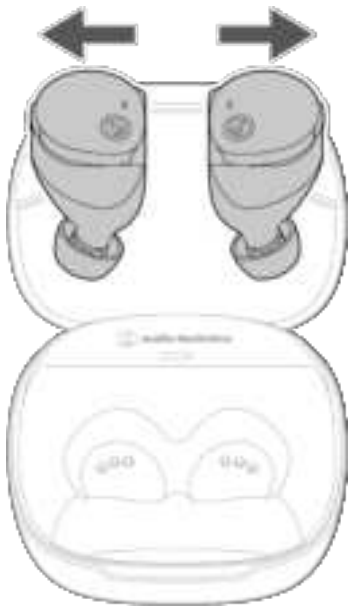
Pairing a Bluetooth device

- Read the user manual for the Bluetooth device.
- Place the Bluetooth device within 1 m (3.3') of the product to perform pairing correctly.
- Wear the product to hear voice guidance during pairing.

1 Remove the headphones (L (left) and R (right)) from the charging case.

2 Separate the L (left) and R (right) sides of the earphones.

- The indicator lamps on the headphones will light in white, and then flash.



- 3** Use your Bluetooth device to begin the pairing process and search for the product. When this product is searched, "ATH-CKS50TW2" is displayed in the Bluetooth device.
 - For information about using your Bluetooth device, refer to the device's user manual.
 - 4** Select "ATH-CKS50TW2" and register it to the Bluetooth device to be connected.
 - 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.
- » Voice guidance "Connected" will be played and the earphone indicator will turn off. This indicates pairing was successfully completed.

About pairing

When connecting a new Bluetooth device, you need to pair it with the product. Once the Bluetooth device and the product are paired, you do not need to pair them again. The product supports multipairing, in which a connection history is saved. However, in the following cases you will need to pair again even if the Bluetooth device was paired once:

- If the product is deleted from the Bluetooth device's connection history.
- If the product is sent out for repair.
- If the product is reset.

Multipoint function

The product supports multipoint, which allows two Bluetooth devices to be connected at the same time. While you are listening to music with one device, you can answer a call that comes in from the other device. It is convenient if you have two smartphones, for example.

- To use this function, turn on multipoint connections under "Connected Device Management" in Audio-Technica's "CONNECT" smartphone app. See " Smartphone App " (p. 31).
- Audio-Technica does not guarantee the operation of all combinations of Bluetooth devices.

Connecting using multipoint

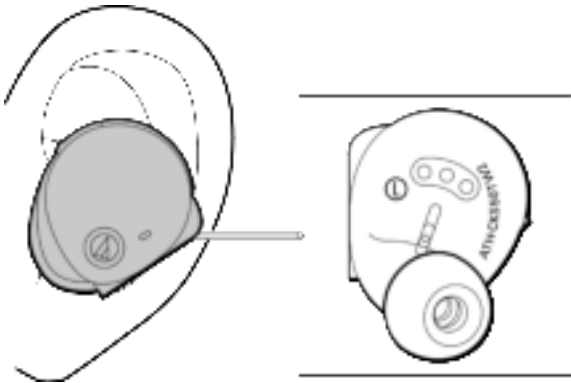
- 1** Pair with the first Bluetooth device.
- 2** After pairing with the first device, turn off its Bluetooth feature.
- 3** Pair with the second Bluetooth device.
- 4** Turn on the Bluetooth feature of the first Bluetooth device.

Note

- If the product does not connect, restart its power.
- Up to two Bluetooth devices can be connected at the same time with multipoint. To connect a third Bluetooth device, disconnect one of the connected devices.
- Music cannot be played back on two devices at the same time. If music is playing on the first device, music will not play on the second device even if attempted. Stop playback on the first device before attempting to play music on the second device.

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.



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.

Listening to music

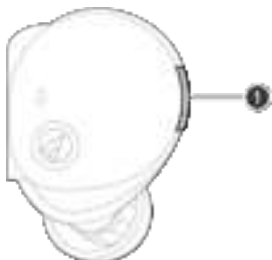
- To connect for the first time, pair the product and your device via Bluetooth wireless technology. If you have already paired the product and your Bluetooth device, turn on the Bluetooth device's Bluetooth connection before turning on the product.
- Use your Bluetooth device to start playback, referring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

- 1** Remove the headphones from the charging case and place them in your ears.
- 2** Start playback on your Bluetooth device.
- 3** Press the multifunction button on the L (left) side headphone once or twice in a row to adjust the volume (up or down).
- 4** To pause music, press the multifunction button on the R (right) side headphone.
 - Playback will be started or paused with every press.

Note

- Only one earphone can be turned on and worn, and music can be listened to in one ear. When you use only one headphone, some functions are not available depending on which side is worn. Use the Bluetooth device for operation in such cases.
-

R (right) side headphone multifunction-button operation



❶ Multifunction button

Operation	Function
Press	Starts or pauses playback.
Press (twice)	Plays the next track.
Press (three times)	Plays the previous track / returns to the start of the track.

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

L (left) side headphone multifunction-button operation



❶ Multifunction button

Operation	Function
Press	Increases the volume by 1 level. ^[1] ^[2]
Press (twice)	Decreases the volume by 1 level. ^[1] ^[2]

[1] A beep is heard each time the volume is increased/decreased by 1 level.

[2] The volume control of some Bluetooth devices may not work well with the product.

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

Talking on the phone

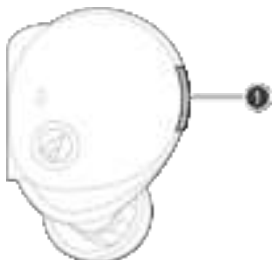
If your Bluetooth device supports telephone features, you can use the product to talk on the phone.

- 1** Remove the headphones from the charging case and place them in your ears.
- 2** Make/receive calls with your Bluetooth device.
 - When your Bluetooth device receives a phone call, the product sounds a ringtone.
 - If a call is received while you are listening to music, music playback is paused.
- 3** To receive a call, press the multifunction button on the L (left) or R (right) side headphone.
 - Calls can be answered from either the L (left) or R (right) side headphone.
- 4** Press the multifunction button on the L (left) side headphone once or twice in a row to adjust the volume (up or down).
- 5** To end the call, press and hold (about 2 seconds) the multifunction button on the L (left) or R (right) side headphone.
 - Calls can be ended from either the L (left) or R (right) side headphone.
 - If the call was received while listening to music, playback is resumed.
 - Music playback may not be resumed on some Bluetooth devices. In this case, music playback must be started manually.

Note

- Only one earphone can be powered and worn, and calls can be made in one ear. When you use only one headphone, some functions are not available depending on which side is worn. Use the Bluetooth device for operation in such cases.
-

R (right) side headphone multifunction button operation



❶ Multifunction button

Operation	Function
Press	Receiving a call: Answers the call.
Press (twice)	Mutes/unmutes the microphone. ^[1]
Press and hold (about 2 seconds)	Receiving a call: Rejects the call. Making a call: Cancels the call. During a call: Ends the call.

[1] The mute operation using the multifunction button only mutes the headphones and does not activate the mute function on the Bluetooth device.

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

L (left) side headphone multifunction button operation



❶ Multifunction button

Operation	Function
Press	Receiving a call: Answers the call. During a call: Increases the call volume by 1 level.
Press (twice)	During a call: Call volume is reduced by one level.
Press and hold (about 2 seconds)	Receiving a call: Rejects the call. Making a call: Cancels the call. During a call: Ends the call.

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

Talk-through function

This function enhances external sound by focusing on people's voices. The volume of music being played back decreases automatically. It is useful for when you want to listen to public transportation announcements or people's voices.

- 1** Press and hold the multi-function button on the earphone (R (right) side) (about 2 seconds).
 - The voice guidance will play the message "Talk-through". Press and hold the multi-function button again (about 2 seconds) to turn off the talk-through function.

Conditions for turning off the talk-through function

In addition to the above procedure, the talk-through function turns off when the following operations and actions are performed.

- When the multifunction button on the L (left) or R (right) side headphone is pressed. (If music is being played back, pressing the multifunction button once on the R (right) side will pause the music. The talk-through function will not turn off. (Press again to turn off the talk-through function.)
- When an outgoing/incoming call is made
- When the volume is adjusted from a connected Bluetooth device.
- When one headphone is off.
- When both headphones are off.

Note

- The talk-through function cannot be used during a call.

Caution

- Depending on your surroundings, the ambient sounds may be difficult to hear even when using the product's talk-through function. Do not use the product in places that are dangerous if you cannot hear the surrounding sounds, such as places with heavy traffic.
- When the talk-through function is turned ON, do not cover the microphone with your hand. If you do so, a loud sound (howling) will be emitted, and it may adversely affect your hearing ability.

Ambience Control

The product includes an ambience control function for switching between the noise-cancelling function and hear-through function. The functions can be switched from OFF (default), to hear-through, or noise-cancelling.

Function	Description
Noise-cancelling function	The microphone built into the product detects ambient noise and outputs a sound-cancelling signal to effectively reduce noise.
Hear-through function	This function allows you to hear surrounding sound via the built-in microphone while you listen to music.

1 Press and hold the multi-function button on the earphone (L (left) side) (about 2 seconds).

» The functions can be switched from OFF (default), to hear-through, or noise-cancelling.

Caution	<ul style="list-style-type: none">• Depending on the volume of the music being played back, the surrounding sounds may be difficult to hear. In this case, turn down the volume of the music.• Depending on your surroundings, the ambient sounds may be difficult to hear even when using the product's hear-through function. Do not use the product in places that are dangerous if you cannot hear the surrounding sounds, such as places with heavy traffic.• When the hear-through function is turned ON, do not cover the microphone with your hand. If you do so, a loud sound (howling) will be emitted, and it may adversely affect your hearing ability.
---------	---

Auto power off function

The headphones turn off automatically in the following situations.

- When the headphones are not connected to a Bluetooth device for 5 minutes

App for smartphones

This product is compatible with our “CONNECT” app. The app gives you convenient access to various functions. It also allows you to update the product’s firmware.

<https://app.at-globalsupport.com>




What you can do with the app

The app allows you to use the following functions. For details, refer to the app screen.


Function	Description
Ambience Control	You can switch between the noise-cancelling and hear-through functions.
Talk-Through	You can turn the talk-through function on or off, set the talk-through type, and adjust the music playback volume for talk-through.
Equalizer	You can adjust the equalizer settings.
Audio Codecs	You can change the connection codec.
Soundscape	You can download and play relaxing nature sounds designed for improving sleep and calmness, masking noises to enhance concentration, and healing sounds for refreshing your mind and body or meditating.
Low Latency Mode	Limit playback sound delay while playing games or watching videos. Bluetooth communication can be easily affected by obstacles and radio wave conditions. Turn this mode off in such situations.
Volume Adjustment Level	The number of volume adjustment steps can be changed.
L/R Balance Adjustment	You can adjust the left-right volume balance.
Call Microphone	Select from two modes for the audio delivered to the other party during a call: Natural Mode or Noise-Reduction Mode.
Private Timer	Select whether to hear alarm sounds from the headphones to notify you of set timers. This function will only be enabled when the headphones are turned on.
Key Assign	You can set the function assigned to the multifunction button.
Button operation speed	The speed of continuous pressing of the multi-function button can be adjusted.
Auto Power Off	You can turn the auto power off function on or off and set the time until the headphones are turned off.
Voice Guidance	You can change the product's voice guidance to a confirmation tone, or switch the voice guidance language.
Connected Device Management	You can switch the connection by selecting the Bluetooth device you want to connect from the list of Bluetooth devices you have connected to so far. You can also remove connected devices and turn multipoint connectivity on or off.
LR adsorption	You can set the behavior when the L (left) and R (right) sides of the earphones are attached.

Indicator lamps

Pairing

Status	Indicator lamp display pattern
Searching for devices	 Flashing white (gradually lighting up)

Connecting

Status	Indicator lamp display pattern
Connecting	 Off

Battery level

Status	Indicator lamp display pattern
Battery level is low	The indicator's white display changes to orange.

Voice guidance

The product plays English voice guidance in the following situations.

Use the “CONNECT” app to change the voice guidance language.

Situation	Voice Guidance
Bluetooth is connected	Connected
Bluetooth is disconnected	Disconnected
Noise-cancelling function on (ambience control)	Noise-cancelling
Hear-through function on (ambience control)	Hear-through
Off (ambience control)	Off
Talk-through function on	Talk-through
Low latency mode on	Low latency
Low latency mode off	Low latency off
Maximum volume	Max
Minimum volume	Minimum
Microphone mute on (during a call)	Mic off
Microphone mute off (during a call)	Mic on
Battery level is low	Low battery
No power due to dead battery	Please recharge

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.

- Wipe any dirt off the headphones and charging case with a dry cloth. The headphones may not operate correctly or may not turn on if they are wet. Wipe the headphones with a dry cloth, shake them multiple times to remove any excess water, and allow the headphones to dry thoroughly before use.
- Immediately wipe off sweat or any other moisture from the charging case battery jack, the headphone charging terminals, etc. 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). 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.
- If any moisture remains in the openings such as the sound reproduction part, microphone, or vent (see figure), place the headphones on a dry cloth and shake several times to remove any moisture, and then allow the headphones to dry thoroughly before use.
- Wipe away any perspiration or dirt from the USB charging 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.
- If the USB terminal of the USB charging cable is dirty, wipe it off with a dry cloth.
- Clean the eartips by removing them from the headphones and manually cleaning them with a diluted mild detergent. After cleaning, dry before using again.



- ❶ The part where the sound comes from
- ❷ Eartips attachment section
- ❸ Microphone section

Caution

- 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. 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.



Note

- 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.

Caution

- 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.
- 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.

Forced pairing mode / reset

If the product does not connect to a device (forced pairing mode)

If pairing cannot be cancelled or is not successful, you can use forced pairing mode to perform pairing again.

- 1** After both L/R (left/right) earphones are installed in the charging case (with remaining battery power), press the multi-function buttons on both earphones twice consecutively after the indicators on the earphones light up.
- 2** The indicators on both earphones light up orange, then return to white. Remove the earphones from the charging case.
- » The product will switch to the "searching for devices" (pairing mode) state and you will be able to pair with your desired Bluetooth device.

Note

- If the procedure cannot be completed as expected, remove the headphones from the charging case again and repeat the procedure from the beginning.
-

If the product operates abnormally (reset)

Reset the product.

- 1** After both L/R (left/right) earphones are installed in the charging case (with remaining battery power), press and hold (approx. 4 seconds) the multi-function buttons on both earphones after the earphones' indicators light up.
- 2** Check that the indicators on both earphones light up orange and then change to white before removing your finger and removing the earphones from the charging case.
- » Reset is complete.
- 3** Delete the registration of this product from the Bluetooth device side and pair it again.

Note

- If the procedure cannot be completed as expected, remove the headphones from the charging case again and repeat the procedure from the beginning.
-

Troubleshooting

? Power is not supplied

- Charge the product.

? Unable to pair

- 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.
- Place the headphones in the charging case and close the cover, then remove the headphones and perform the operation again.
- Make sure you are not connected to any other previously connected Bluetooth device. If so, disconnect the product using the previously connected Bluetooth device, and then select the product on the Bluetooth device being connected to. Use forced pairing mode if you are unable to disconnect from a previously connected Bluetooth device. For more information, please refer to "If the connection of this product does not work (forced pairing mode)" (p. 37).
- Reset the product if it cannot be unpaired, connected, or does not operate as expected even after trying all other solutions. For details, please refer to "When this product is not working properly (reset)" (p. 37).

? No sound is heard / Sound is faint

- Turn on the power of the product and the Bluetooth device.
- Turn up the volume on the product and the Bluetooth device.
- Make sure that the product and Bluetooth device are connected by the A2DP (or audio connection).
- Disable pairing for the product and the Bluetooth device, then pair the product with this device again.
- 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 product.
- Check whether the talk-through function is turned on/off. If the talk-through function is on, the volume of music being played back will decrease automatically. See "Talk-Through Function" (p. 28) for more information on the operation of the talk-through function.

? Sound only comes out of one headphone

- Make sure there is battery level remaining.
- Place the headphones in the charging case and close the cover, then remove the headphones and perform the operation again.

? Sound is distorted / Noise is heard / Sound cuts out

- Turn down the volume on the product and the Bluetooth device.
- Keep the product away from devices that emit radio waves such as microwaves and wireless routers.
- Keep the 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 "To enjoy Bluetooth communication more comfortably" (p. エラー! ブックマークが定義されていません。).
- You may be able to improve the connection status by switching the connection codec to SBC. You can change it with our smartphone app. If you are using a connected device such as a smartphone or audio player that can change the connection codec, you may be able to set to SBC on that connected device. For details about the setting procedure, refer to the user manual of your connected device.

? Noise is generated when using the noise-cancelling function

- A slight humming sound may be heard when using the noise-cancelling function. This is a sound generated by the noise-cancelling function; it is not a malfunction.
- The noise-cancelling effect may vary or a bleep (howling) may occur depending on how you wear the product. In these cases, take off the product and put the product in your ears again correctly.
- To maximize the noise-cancelling effect, select the eartips that offer the best sound insulation for each side to block surrounding sound, and insert the headphones into the ears correctly.
- When you use the product in a train or a vehicle such as bus or truck, noise may be heard depending on rail/street conditions.

? Cannot hear the voice of the caller / Voice of the caller is too quiet

- Turn on the power of the product and the Bluetooth device.
- Turn up the volume on the product and the Bluetooth device.
- Confirm that the product and Bluetooth device are connected via HFP (or phone connection).
- Disable pairing for the product and the Bluetooth device, then pair the product with this device again.
- Switch the sound output of the Bluetooth device to the product.

? My voice is too quiet for others to hear

- Make sure the product is oriented correctly with the tip (microphone) as close as possible to your mouth. For more information, see "Precautions During Calls" (p. エラー! ブックマークが定義されていません。).

? Charging case cannot be charged

- Securely connect the included USB charging cable and charge the product.
- The charging case or headphones may be hot. Allow the temperature of the product to cool sufficiently before charging in a well-ventilated place (10 to 35°C (50 to 95°F)) away from direct sunlight.

? The charging case gets unusually hot during wireless charging

- Make sure no objects are caught between the charging case and the wireless charger. Do not allow any objects between the charging case and the wireless charger when using wireless charging. For details, refer to the user manual of your wireless charger.

? Headphones cannot be charged

- Make sure that the product is placed in the charging case correctly.
- Make sure to close the charging case cover when charging.
- Charge the charging case.
- Wipe dirt off the charging terminal with a dry cloth.
- The charging case or headphones may be hot. Allow the temperature of the product to cool sufficiently before charging in a well-ventilated place (10 to 35°C (50 to 95°F)) away from direct sunlight.

? Headphone indicator lamps flash in red quickly

- After placing the headphone whose indicator lamp is flashing in red quickly in the charging case (with battery remaining), press and hold (about 2 seconds) the headphone multifunction button. The indicator lamp will then stop flashing.

Note

- For details about how to operate your Bluetooth device, refer to the device's user manual.

Specifications

Headphones

Type	Dynamic
Driver	9 mm
Sensitivity	110 dB/mW
Frequency response	5 to 20,000 Hz
Impedance	20 ohms

Microphones

Type	MEMS type
Polar pattern	Omnidirectional
Sensitivity	-38 dB (1 V/Pa, at 1 kHz)
Frequency response	100 to 8,000 Hz

Communication specifications

Communication system	Bluetooth version 5.2
Maximum RF output	10 mW EIRP
Maximum communication range	Line of sight - approx. 10 m (33')
Frequency band	2.402 GHz to 2.480 GHz
Modulation method	GFSK, Pi/4DQPSK, 8DPSK
Spread spectrum method	FHSS
Compatible Bluetooth profiles	A2DP, AVRCP, HFP
Supported codec	Qualcomm® aptX™ Adaptive audio, Qualcomm® aptX™ audio, AAC, SBC
Supported content protection method	SCMS-T
Supported sample rates	44.1 kHz, 48 kHz
Supported bit depth	16bit, 24bit ^[1]
Transmission band	20 Hz to 20,000 Hz

Other

Power supply	Headphones: DC 3.7 V lithium ion battery Charging case: DC 3.7 V lithium ion battery
Charging time	Earphones: Approx. 3 hrs. ^[2] Charging case: Approx. 3 hrs. ^[2]
Operating time	Continuous transmission time (music playback): Up to approx. 20 hrs. ^[2] (earphones) Up to approx. 50 hrs. ^[2] (when used with charging case)
Weight	Headphones: Approx. 8g (L side), Approx. 8g (R side) Charging case: Approx. 60 g
Waterproof and dustproof performance	IP55 ^[4]
Operating temperature	5°C to 40°C (41°F to 104°F)
Accessories	USB charging cable (30 cm (12")), USB Type-A / USB Type-C), Eartips (XS, S, M, L)
Sold separately	Eartips ER-XXXX XS, S, M, L

[1] When using the LDAC codec.

[2] Charging may take longer at 10°C (50°F) and below or 30°C (86°F) and above.

[3] The figures above depend on operating conditions.

[4] Headphones only.

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

Trademarks

- **The Bluetooth®** word mark and logo are registered trademarks and are the property of Bluetooth SIG, Inc. Audio-Technica Corporation uses these marks and logos under license. Other trademarks and trade names are those of their respective owners.
- USB Type-C™ is a trademark of the USB Implementers Forum.
- "SONY" is a registered trademark of Sony Group Corporation.
- LDAC™ and the LDAC logo are trademarks of Sony Corporation.



株式会社オーディオテクニカ

2-46-1 Nishi-naruse, Machida, Tokyo 194-8666, Japan

www.audio-technica.co.jp

Audio-Technica Corporation

2-46-1 Nishi-naruse, Machida, Tokyo 194-8666, Japan

www.audio-technica.com

©2024 Audio-Technica Corporation

Global Support Contact: www.at-globalsupport.com

XXXXXXXXXX-01-01 ver.1 2024.05.01