AT-SB2022

Wireless Stereo Disc Player System

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.

Important information

Warning

To prevent fire or shock hazard, do not expose this apparatus to rain or moisture.

Caution

- Do not expose this apparatus to drips or splashes.
- To avoid electric shock, do not open the cabinet.
- Refer servicing to qualified personnel only.
- Do not expose this apparatus to excessive heat such as sunshine, fire or the like.
- Do not subject this apparatus to strong impact.
- Do not place any objects filled with liquids, such as vases, on this apparatus.
- To prevent fire, do not place any naked flame sources (such as lighted candles) on this apparatus.
- Do not install this apparatus in a confined space such as a bookcase or similar unit.
- Install this apparatus only in the place where ventilation is good.

Cautions for rechargeable battery

The product is 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

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

RF Exposure Information

FCC RF Exposure requirements: The highest SAR value reported under this standard during product certification for use next to the head with the minimum separation distance of 0 mm is 0.05 W/Kg. This transmitter must not be collocated or operating in conjunction with any other antenna or transmitter.

This EUT is compliance with SAR for general population/uncontrolled exposure limits in IC RSS-102 and had been tested in accordance with the measurement methods and procedures specified in IEEE 1528 and IEC 62209. This equipment should be installed and operated with minimum distance 0 mm between the radiator and your body. This device and its antenna(s)must not be co-located or operating in conjunction with any other antenna or transmitter.

Contact:

Responsible Company: Audio-Technica U.S., Inc.
Address: 1221 Commerce Drive, Stow, Ohio 44224, USA
Tel: 330-686-2600
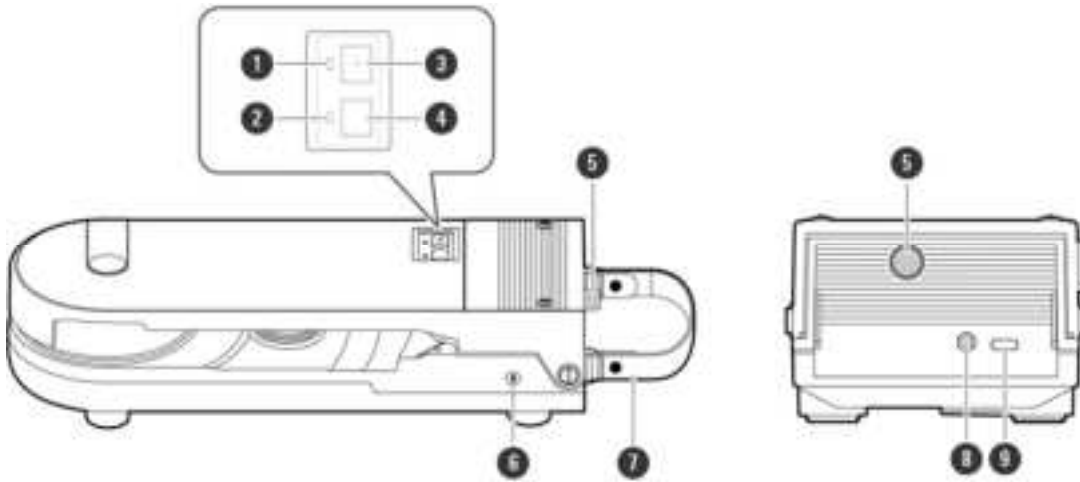
For customers in Canada

Notes on use

- Be sure to read the connected device's user manual before use.
- Minimize the volume on your device before connecting the product.
- 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.
- The product should be positioned on a flat, level surface and not installed vertically, etc.
- Do not touch the record or attempt to move the product when in use.
- When not in use, remove the record and store the 45 RPM adapter and tonearm under the cover. Also, attach the provided protector to the cartridge.
- When carrying the product, hold the carrying handle firmly and do not grasp the cover.
- Do not touch the stylus of the cartridge with your finger.
- Do not allow the cartridge's stylus to bump against the platter or the edge of the record.
- With long-term use, 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 in use, do not attempt to connect or disconnect the USB charging cable.
- When you are not using the USB charging cable, disconnect it from the product.
- 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 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.
- Ensure that the plug is inserted all the way to the base.
- 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 failure to charge.
- This product can be used only in the countries where certified or where it complies with the Radio Law of the country in question. It cannot be used in countries other than those in which it is sold.

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

Main unit

❶ **Power Indicator**

When the power is turned on, it lights up and blinks white.

❷ **Speed indicator**

When the rotation speed is 33-1/3 rpm, the light is off; when the rotation speed is 45 rpm, the light is white.

❸ **Power button**

Turns power on and off.

❹ **RPM selector**

Select the platter speed (33-1/3 rpm or 45 rpm).

❺ **Arm fixing screw**

❻ **Connect button**
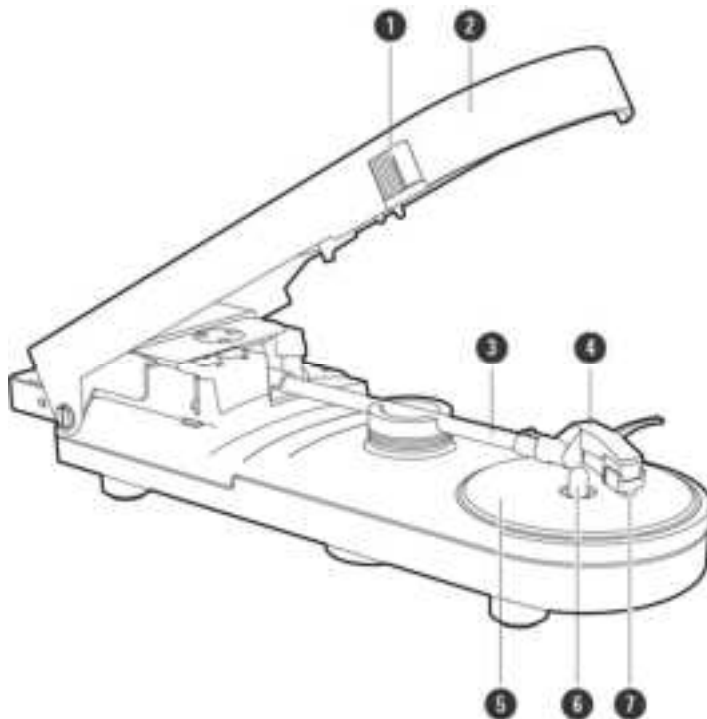
Used to connect this product to Bluetooth devices.

❼ **Carrying handle**

❽ **Stereo output jacks**

Connect the RCA cable.

❾ **Charging terminal**

Connect the USB cable for charging.

Main unit (with cover open)

❶ **Open button**

Slide the cover open.

❷ **Cover**

❸ **Tonearm**

❹ **Headshell and cartridges**

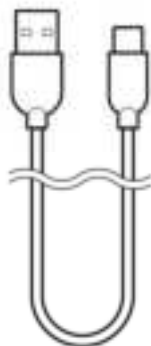The cartridge (AT3600L) is attached to the headshell.

❺ **Platter**

❻ **Spindle**

❼ **Protector**

Accessories included

❶ USB charging cable (approx. 1.5 m, USB Type-A - USB Type-C™)

❷ RCA cable (approx. 1.2 m)

❸ 45 RPM adapter

Preparation for use

Removing the arm fixing screw

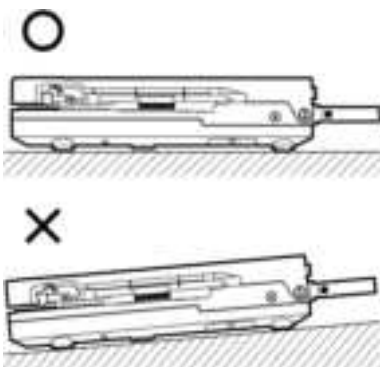At the time of purchase, screws are installed to secure the tonearm. Remove when ready for use.
- Keep the removed screws and install them when transporting the product for repair due to malfunction or other reasons.

❶ Arm fixing screws

Setting up the turntable

- When installing this product, do not place it vertically or in any other way, but on a level surface.
- To avoid the effects of vibrations and acoustic pressure, do not mount the product next to such items as speakers.
- The product may pick up radio static if placed next to a radio. Therefore, try to keep the product away from radios.
- If the product is near equipment (cell phone, etc.) that emits strong radio waves, noise may occur.
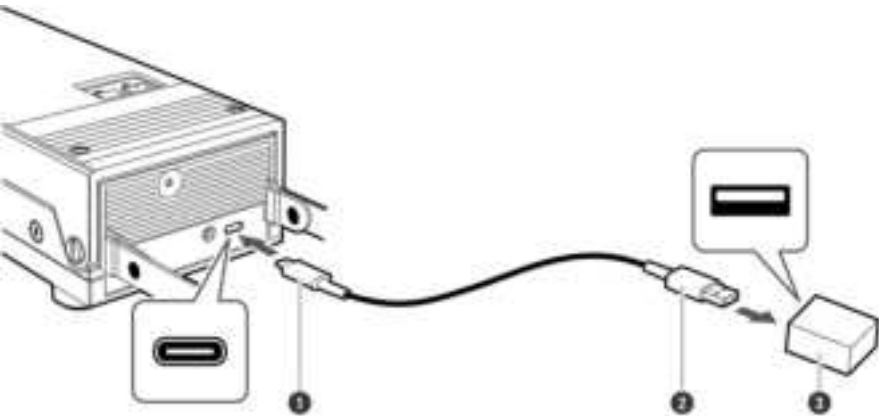
Charging

- Fully charge the battery when using for the first time.
- When the rechargeable battery is low, the power indicator turns red. Charge the battery as soon as possible.
- The charging time required to fully charge the battery is approximately ** hours. (This time may vary depending on usage conditions.)
- 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.

1 Connect the supplied USB cable (USB Type-C side) to the charging terminal of the product.

- The included USB cable is for this product only. Do not use any other USB cable.
- When inserting the USB cable into the USB power adapter or charging terminal, insert it straight (horizontally).

❶ USB Type-C
❷ USB Type-A
❸ USB Power Adapter

2 Connect the supplied USB cable to a commercially available USB power adapter and an electrical outlet to start charging.

- When charging, the power indicator lights/flashes as follows (it may take a few seconds for the power indicator to display)

Power indicator	Status
No change	Charging / Charging complete (when power is turned on)
Flashing red	Charging (power OFF)
Off	Charging complete (when power is turned off)
Fast red blinking	Charging error

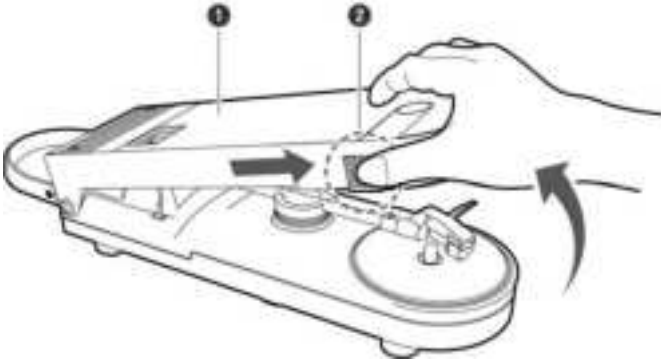**3** After charging is complete, disconnect the USB cable from the power outlet.

4 Disconnect the USB cable from the product's charging terminal.

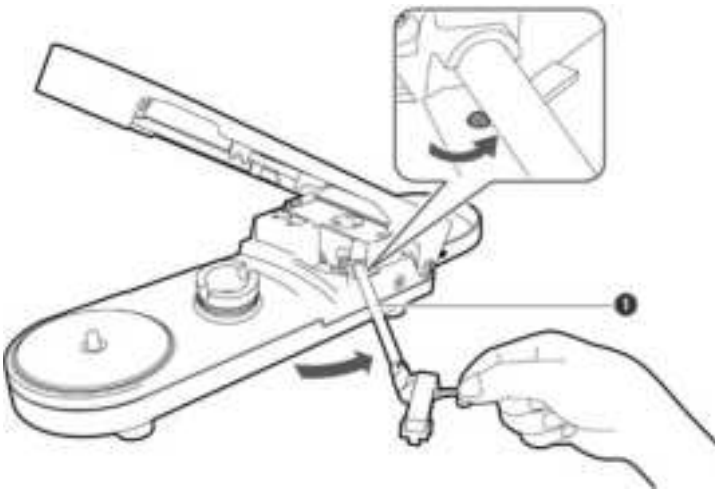| Caution	• When charging, be sure to use the USB cable provided. Charging may not be possible with other than the supplied USB cable.

Placing the record

1 Open the cover while sliding the open button.

❶ Cover
❷ open button

2 With the cover open, pull out the tonearm until it clicks into place.
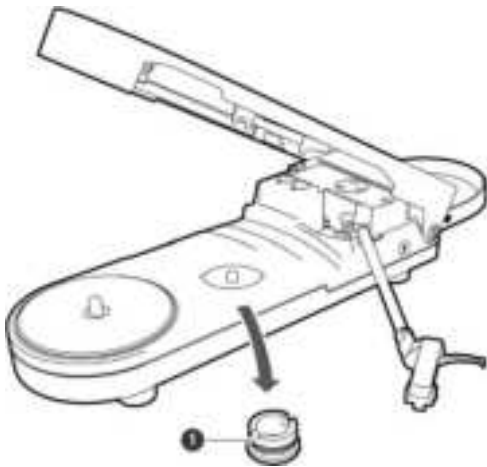

❶ Tonearm

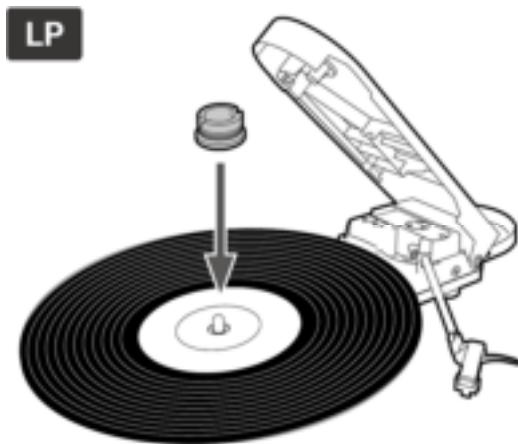| Caution	• Please do this while the power is OFF. Turning the power on before moving the tonearm will rotate the platter. Be careful not to damage the cartridge stylus tip, platter, or record.

3 Remove the 45 RPM adapter.

❶ 45 RPM adapter

4 Place the record on the platter so that the center hole aligns with the spindle.
- For LP records, install the 45 RPM adapter on top of the record
- For EP records, install the 45 RPM adapter under the record.

LP

EP

5 Close the cover.

Power supply ON/OFF

Turning on the product

1 Press the power button.

❖ Power is turned on and the power indicator lights/blinks as follows

Power indicator	Status
Lights in white	Power ON (when RCA cable is connected)
Flashing white	Power ON (RCA cable not connected)

Turning off the product

1 Press the power button.

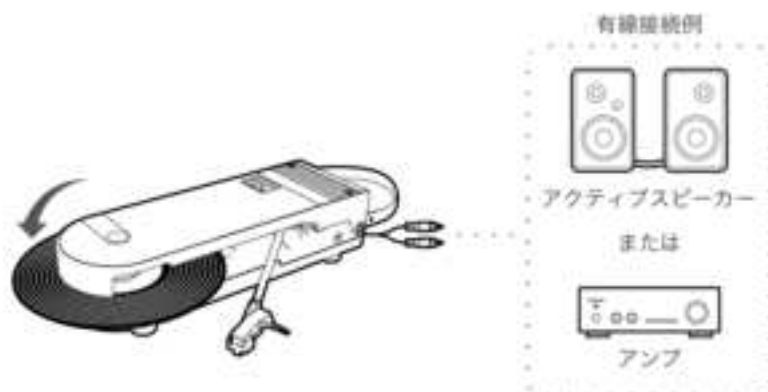❖ The power is turned off and the power indicator turns off.

About wireless/wired connections

This product allows wireless connection via Bluetooth to your environment, or wired connection to active speakers or other devices using an RCA cable.

To connect wirelessly using Bluetooth, read "Connecting via Bluetooth" (p. XX).

For wired connection using an RCA cable, read "Connecting with an RCA Cable (Wired Connection)" (p. XX).

Note	• If there is no volume control on the connected speakers or other devices, the volume cannot be adjusted. • When a RCA cable is connected during Bluetooth connection, the connection switches to a wired connection.

Connecting via Bluetooth

This product supports Bluetooth connectivity. It can be connected to Bluetooth-enabled headphones, speakers, etc. (hereinafter referred to as Bluetooth devices).

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.
- When the pairing history of this product is reset
- When more than 9 units are paired
  (The product can be paired with 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.
- Disconnect the RCA cable.

1 Put your Bluetooth device (Bluetooth-enabled headphones, speakers, etc.) into pairing mode.

2 Make sure the power is turned on and press and hold the connect button (about 2 seconds).
- The device search is in progress and the power indicator begins to flash white quickly.
- When pairing for the first time, the device search is in progress when the power is turned on.

3 When pairing is complete, the power indicator will change to a slow white blink.

Note	• The pairing mode of this product will automatically end after a certain period of time (approximately 60 seconds). If pairing was not completed correctly, pair again in the same manner.

Indicator lamp display

The following operating conditions are indicated by the blinking and lighting of the power indicator of this product.

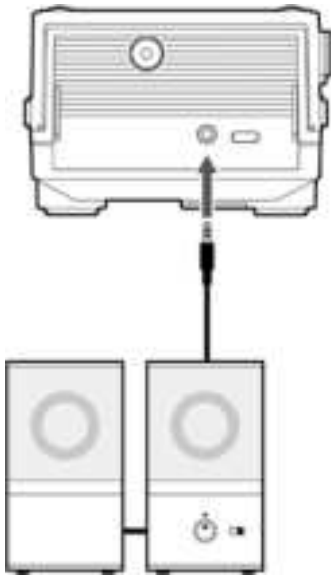| Status		Power indicators display pattern
Pairing	Searching for devices	○ · ○ · ○ · ○ · ○ · ○ · ○···
Connecting	Waiting to be connected	○ · · ○ · · ○ · · ○ · · ○···
	Connecting	○ · · · ○ · · · ○ · · · ○···
	disconnection	turning on white

Connecting with RCA cable (wired connection)

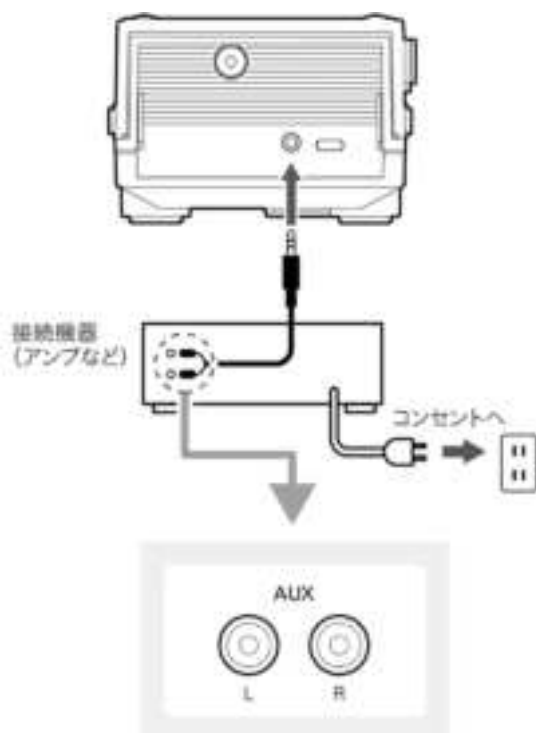## Connection with active (built-in amplifier) speakers

Use active speakers when connecting this product directly to speakers.

- Some active speakers may require conversion cables or other equipment for connection.

Connection with connecting equipment (amplifier, etc.)

Connect this product to the connected device with the supplied RCA cable. The RCA cable's red jack is for the right (R) channel, and the white jack is for the left (L) channel.
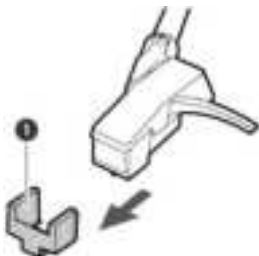
Using the product

Playing a record

Keep the volume of amplifiers, active speakers, etc. low enough.

1 **Install the record, turn on the power of this product, and connect it to the device.**
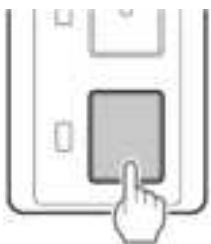
2 **Remove the cartridge's protector.**
- Pull the protector straight forward to remove it.
- Applying a downward force may cause the stylus to come off the body. If the stylus has come off or is about to come off, only a small sound will be produced. Refer to "How to Replace the stylus" (p.**) and reinstall the stylus correctly.
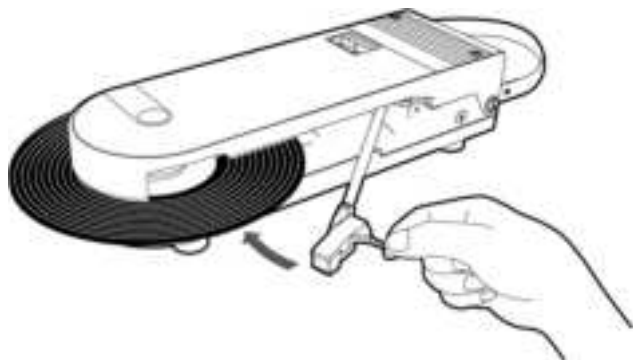- Be careful not to lose the protector.

❶ protector

3 **Press the speed with the platter speed button.**
- Select "33" for 33-1/3 rpm records or "45" for 45 rpm records.
- When "33" is selected, the speed indicator turns off.
- When "45" is selected, the speed indicator lights up white.
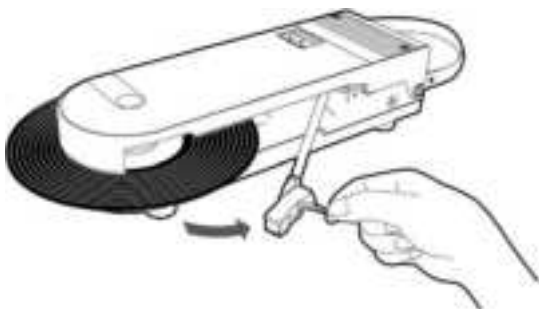
4 Move the stylus tip to the record.
- The platter rotates when the tonearm is moved.
- The stylus tip should be lowered gently onto the record.

Music is played from the connected device.

Finishing playing a record

1 Pull out the tonearm until you hear a click.
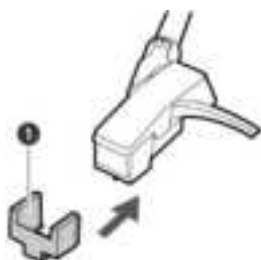
- The platter stops rotating.

2 Turn off the power supply.

- The power indicator turns off.

3 Open the cover and remove the 45 RPM adapter and record.

4 Mount the protector onto the cartridge.

❶ protector

5 Return the 45 RPM adapter to its original position and stow the tonearm.

6 Close the cover.

Auto power off function

This product will automatically turn off if there is no sound from the record for 30 minutes while the power is on.
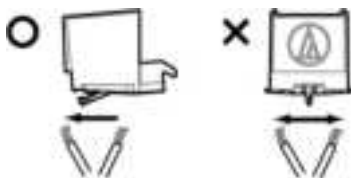
Care

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.

Turntable body

- When dirty or dusty, turn off the power and wipe with a soft, dry cloth.
- When storing the equipment for a long time, wrap it in plastic to keep it away from moisture.

Stylus tip

- If dirt and grime are stuck to the stylus tip, clean it with a commercially sold brush.
- We recommend using a stylus cleaner (sold separately) if the stylus tip is considerably dirty. Clean the stylus tip by moving the brush from the rear to the front of the stylus tip.

Replacing the stylus

Removing the stylus

- In addition to the deterioration of sound quality, records may also be damaged as the cartridge's stylus tip wears down.
- Replace the product after 400 hours of playback time.
- Be sure to turn off the power to the product.
- When changing the stylus, hold the headshell and cartridge body firmly.

1 Push the front of the stylus tip downward toward you so that it rotates.
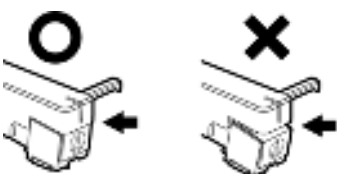

Installing a new replacement stylus

1 Mount the new replacement stylus to the cartridge.
- Insert it from the bottom in line with the main unit.

2 Using the insertion point as a fulcrum, push the replacement stylus upward until it clicks into place.

3 Make sure there is no gap between the headshell and cartridge.
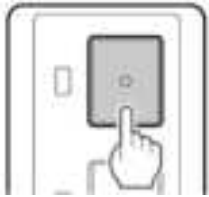
When the turntable is moved

- The product cannot be used while moving.
- Remove the record and store the tonearm and 45 RMP adapter.
- Hold the carrying handle firmly.
- Do not swing around.
- Arm fixing screws must be installed when transporting.

Resetting

If you have trouble connecting this product

If pairing cannot be released or connection cannot be made, pairing can be made again by putting the device into pairing mode.

1 With the RCA cable disconnected, turn on the power to the product.

2 Press and hold the connect button (about 2 seconds).

The power indicator on the product will switch to a fast white blinking light and the product will be ready for pairing with the Bluetooth device you wish to connect.

Note	• If pairing was not completed correctly, perform a pairing history reset and then perform the same operation again.

Pairing history reset

If pairing is not successful, reset the pairing history.

1 With the power of the product turned off, connect the USB cable to charge the battery.

2 Press and hold the connect button (approx. 10 seconds).
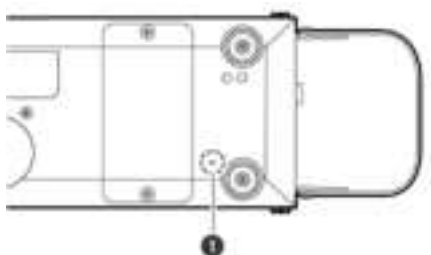
The power indicator flashes twice and the pairing history resets.

If the product operates abnormally (reset)

Reset the product.

• Resetting does not change any of your settings (such as pairing information).

1 **Press the reset button on the bottom of the product with a long, thin stick or similar object.**

❶ Reset button

Reset is complete.

Troubleshooting

? Power is not supplied

- Charge the product.

? Platter turns, but no sound/no sound

- Are the function settings and input for connected equipment (amplifier, etc.) selected correctly? Check whether the settings for the connected equipment are correct.

- Is the stylus damaged? Check the stylus and replace it, if necessary.

- Is the stylus placed correctly on the body of the cartridge? Check the cartridge and adjust it, if necessary.

? The stylus skips

- Is the record warped? Check the record.

- Is the record scratched? Check the record.

? There is howling

- Is the product picking up excessive vibrations from the floor, surfaces of the walls, or nearby speakers? Decrease the vibrations or mount the product on a surface that is not subject to the effects of vibrations.

- Is the product mounted on an unstable surface? Check whether the surface on which the product is mounted is suitable.

? There is noise when the record is playing.

- Is there dust on the cartridge's stylus tip? If dust is stuck to the stylus tip, clean it with a commercially sold brush.

? The sound when the record is playing is either too fast or too slow.

- Are the speed settings for the product correct? Use the platter speed button to select the correct speed for the type of record being played.

? 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.

- When switching to a new Bluetooth device, you may not be able to pair because the previously connected Bluetooth device cannot be disconnected. In this case, press and hold the connect button (about 2 seconds). The product will switch to the "searching for devices" state and you will be able to pair with your desired Bluetooth device.

- Reset the pairing history of the Bluetooth device and this product, and then pair it with this product again.

? No sound/ low sound (when connected via Bluetooth)

- Turn on the power of the product and the Bluetooth device.

- Turn up the volume on the product and the Bluetooth device.

- 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.

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

- Turn down the volume of this product and connected devices.

- 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.

- 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.

? Unable to charge this product / long charging time

- Check that this product and the USB power adapter are directly connected without going through a USB hub or similar device.

- Connect the supplied USB cable securely to charge the battery.

- Charge the product in a well-ventilated place (10 to 35°C (50 to 95°F)) away from direct sunlight.

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

Specifications

Communication specifications

Communication system	Bluetooth version 5.0
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	FHSS
Compatible Bluetooth profiles	A2DP, AVRCP
Supported codec	SBC
Transmission band	20 to 20,000 Hz

Main unit

Power supply	DC 3.6V lithium-ion battery (built-in type)
Charging Specifications	5V ▭ 0.5A
Charging time	Approx. 12 hrs. [1]
Operating time	Continuous communication (during talk time) Up to approx. 8 hrs. [1]
Input jack	USB Type-C Jack
Dimensions	W100×D290×H70mm
Weight	Approx. 900g
Operating temperature	5°C to 40°C (41°F to 104°F)
Accessories included	USB cable (1.5m, USB Type-A - USB Type-C), RCA cable, 45 RPM adapter

[1] The figures above depend on operating conditions.

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

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