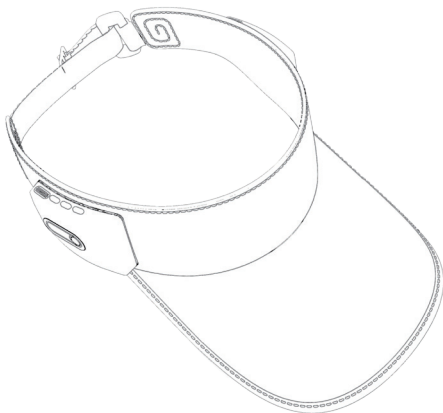


Solar-Powered Smart Audio Hat



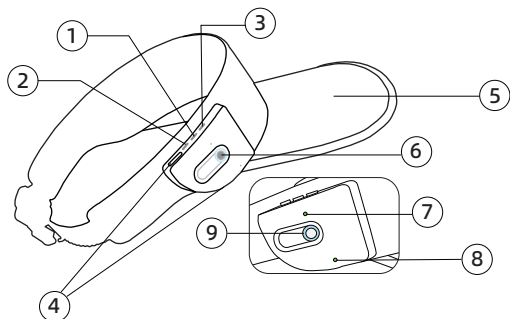
User Manual

Thank you for choosing the solar-powered smart audio hat! To better exert the product's superior performance, please read the instructions carefully before use and operate it correctly.

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Product Introduction



- | | | |
|---------------------------------|----------------------------------|-------------------|
| ① Power Button | ② Volume - | ③ Volume + |
| ④ Speaker | ⑤ Solar Panel | ⑥ Metal Button |
| ⑦ Solar Charging IndicatorLight | ⑧ Type-C Charging IndicatorLight | ⑨ Breathing Light |

Product Parameters

Product Name:
Solar Smart Audio Hat

Pairing Name:
LONNV P100

Overall Weight:
162g

Frequency Response:
20Hz-20kHz

Bluetooth Version:
5.4

Dynamic Driver Unit:
22mm

Bluetooth Distance:
12m

Battery Capacity:
500mAh

Waterproof Level:
IPX5

Charging Method:
Solar Charging / Type-C

Maximum Charging Power:
1.3w

Codec:
SBC, AAC

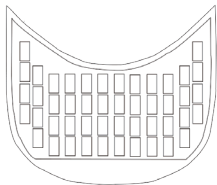
Button operation

Button	Status
Power button	(Long press) Power on/off
Metal Button	(Single press) Answer / End Call
Metal Button	(Single press) Play/Pause
Metal Button	(Double press) Decline Incoming Call
Metal Button	(Double press) Trigger/ Deactivate Voice Assistant
Volume +	(Long press) Next track
Volume -	(Long press) Previous track
Volume +	(Single press) Volume+: Increases volume by one level each press (up to max)
Volume -	(Single press) Volume- : Decreases volume by one level each press (down to full mute)

Solar panel

High-Efficiency Solar Cell Chip:

Equipped with high-efficiency 161 Sunpower solar cell chips, it delivers higher conversion efficiency and excellent low-light response. Additionally, the product features a sleek appearance, high system safety, and superior weather resistance.



161 Sunpower Solar Cell Chip Parameters:

Maximum power: 1.3 W

Dimensions: 18*8.32mm

Peak operating voltage: 6.6V

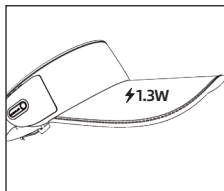
Peak operating current: 200mA

Open-circuit voltage: 8V

Charging Method

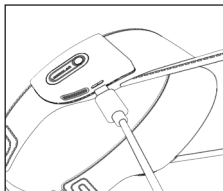
Solar Panel Charging:

The integrated design of Photovoltaic Panel and Visor converts sunlight directly to electrical energy with a maximum output of 1.3W, enabling direct charging or power supply for Bluetooth headphones.

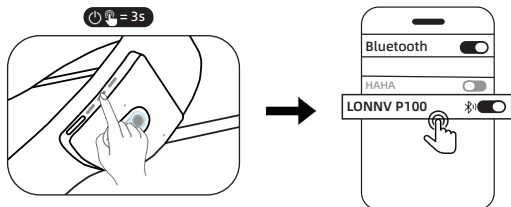


Type-C charging:

Input: 5V/0.2A



Startup and Bluetooth Connection



1. Power on: In the off state, long-press the middle button for 3 seconds to enter pairing mode, and the White light flashes
2. Pairing: Search for the Bluetooth name LONNV P100 on your phone, and tap the name to pair
3. Pairing successful: The white light flashes and then goes out

Troubleshooting

Problem Issue	Solutions
Failed bluetooth connection	1.Restart the device; 2.Clear the bluetooth cache on your phone and reconnect
The volume is too low	1.Check the device volume; 2.Clean dust from the speaker grilles
No response when charging	1.Ensure sufficient light; 2.Replace the USB cable and retry charging

Precautions

Daily Maintenance:

1. Proper use of the Solar Smart Audio Hat can extend its service life.
2. Do not place heavy objects on it during use to avoid deformation and damage.
3. If the surface of the hat is damp, please wipe it with a dry cloth and dry it at room temperature.
4. As the solar hat contains core components such as charging cables and circuit boards, it cannot be washed with water.

Precautions for Solar Charging:

1. Ensure the surface of the solar panel surface is unobstructed during charging.. Even partial shading may significantly reduce charging efficiency.
2. Although the solar panel has a certain water-resistance, we recommend protecting the hat in heavy rain or severe weather to prevent water damage to the solar panel and charging port
3. Excessive bending will damage the internal solar cells and circuits of the solar panel, leading to performance degradation and a shortened service life.
4. The charging performance of the solar panel of the smart audio cap is influenced by objective environmental factors, primarily including:
sun elevation angle, light intensity, ambient temperature, and object obstruction.

Sun Elevation Angle: Best charging efficiency is achieved when the solar panel faces the sun directly (perpendicularly).

Light Intensity: The stronger the sunlight, the higher the charging efficiency.

(Note: Excessively high / low temperatures and physical obstruction will significantly reduce charging efficiency.)

Note: All performance parameters above are based on test data.
Actual usage effects may vary due to environmental fluctuations.

CE FCC UK
CA
Made in China

Warranty Card

Customer Name: _____ Phone Number: _____

Purchase Date: _____ Service Date: _____

Customer Address: _____

Product Issue Description: _____

Warranty Information

1. Warranty proof: Please keep this warranty card as proof of warranty service.
2. Warranty Period: This product comes with a one-year free warranty starting from the date of purchase.
3. Warranty Coverage: Within the warranty period, if the product malfunctions under normal usage and is confirmed by our company's inspection, we will provide free repair

Disclaimer - Not Covered Under Warranty

The following conditions are not covered by the free warranty:

1. Out of Warranty:
The product or its components beyond the one-year warranty period.
2. Improper Use:
Malfunction or damage caused by failure to operate, store or use the product in accordance with the user manual.
3. Unauthorized Disassembly / Repair:
Malfunction or damage caused by disassembly/repair by non-authorized institutions or personnel of our company.
4. Accidental / Human-Caused Damage:
Malfunction or damage caused by operational errors, scratches, impact, drops, improper transportation or other accidental / human factors
5. Force Majeure:
Malfunction or damage caused by natural disasters such as earthquakes, fires, or other force majeure factors.

FCC 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.

Changes or modifications not expressly approved by the party responsible for compliance could void the user's authority to operate the 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 into 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.

Radiation Exposure Statement

The device has been evaluated to meet general RF exposure requirement. The device can be used in portable exposure condition without restriction.