



LINKSOLAR

Solar-Powered Smart Audio Cap

LINKSOLAR-SC

Please read this manual carefully
before using the product.

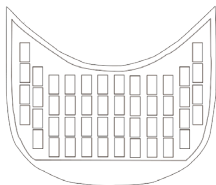


I. Product Overview

High-Efficiency Solar Cell:

Equipped with high-efficiency 161 Sunpower solar cell, it delivers higher conversion efficiency and excellent low-light response.

Additionally, LINKSOLAR-SC features a sleek appearance, high system safety, and superior weather resistance.



161 Sunpower Solar Cell Parameters:

Maximum power: 1.3W

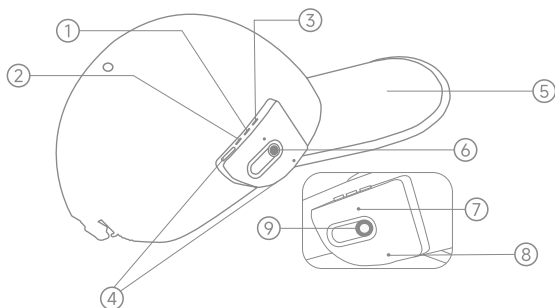
Dimensions: 18*8.32mm

Peak operating voltage: 6.6V

Peak operating current: 200mA

Open-circuit voltage: 8V

II. Product Diagram



① Power Button

② Volume -

③ Volume +

④ Speaker

⑤ Solar Panel

⑥ Multi-Function Button

⑦ Solar Charging
Indicator Light

⑧ Microphone

⑨ Breathing Light

III. Charging Instruction

Solar Panel Charging:

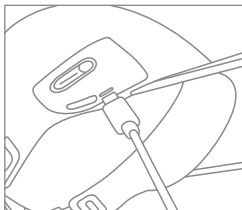
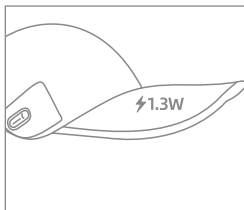
The integrated solar panel charges the built-in battery, extending playback time and reducing charging frequency.

Type-C Charging:

Input: 5V/0.5A

The white light flashes during charging.

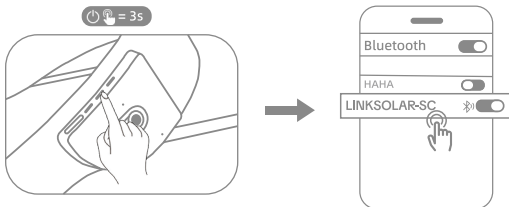
The white light turns off once fully charged.



IV. Start and Bluetooth Pairing

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 "LINKSOLAR-SC" on your phone, and tap the name to pair.
3. Pairing successful: The white light flashes and then turns off (Prompt tone will play).

Note: the device can only connect to one bluetooth device at a time. To pair with a new device, disconnect the current device first.



V. Core Parameters

Product Name: Solar-Powered Smart Audio Cap

Pairing Name: LINKSOLAR-SC

Bluetooth Version: Bluetooth 5.4

Bluetooth Distance: Up to 12m

Battery Capacity: 500mAh

Frequency Response: 20Hz-20kHz

Dynamic Driver Unit: 22mm

Audio Codec: SBC, AAC

Maximum Charging Power: 1.3W

Earbuds Battery Life (Single Full Charge):

- Standby Time: 48 months
- Music Playback: About 9H at 100% volume; About 20H at 50% volume
- Talk Time: About 50H

Charging Instructions: Two charging modes are supported. The solar panel can supply power to the battery continuously under strong light, with a full charge taking around 4H. When using a DC 5V/500mA charger, a full charge takes around 1.5H.

Water Resistance: IPX5

Net Weight: 162±5g

VI. Button Operation

Button	Operation
Power Button	Long press: power on / off
Power Button	Short press four times quickly(when powered on): restore factory settings
Multi-Fuction Button (Incoming Call State)	Single press: answer / end call
Multi-Fuction Button (Incoming Call State)	Double press: decline incoming call
Multi-Fuction Button (Music Playback State)	Single press: play / pause
Multi-Fuction Button (Bluetooth Connected State)	Double press: activate / deactivate voice assistant
Volume +	Long press: next track

Volume -	Long press: previous track
Volume +	Single press: increase volume by one level (maxed out)
Volume -	Single press: decrease volume by one level (down to mute)

VII. 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 level; 2.Clean dust from the speaker grilles
No response when charging	1.Ensure sufficient light(for solar charging); 2.Replace the USB cable and retry charging

VIII. Safety Precautions

1. Daily Maintenance

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

2. Precautions for Solar Charging

- Ensure the solar panel is unobstructed during charging. Even partial shading may significantly reduce charging efficiency.

- 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.
- Excessive bending will damage the internal solar cells and circuits of the solar panel, leading to performance degradation and a shortened service life.
- The charging performance of the solar panel on the smart audio hat is affected by environmental factors, mainly 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.

IX. Safety and Maintenance

1. Safety Certification

- FCC&RoHS certified. Built-in overcharge, over-discharge, and short-circuit protection functions.

2. Warranty Period

Product warranty period: 2 years. During the warranty period, if quality problems occur with the product itself, we will provide corresponding repair and replacement services.

3. 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;
- (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.

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

X. Packing List



Solar Smart Audio Cap *1



Certificate of Conformity *1



User Manual *1



This device complies with EU Directives 2012/19/EU and 2006/66/EU. It must not be disposed of with ordinary household waste and must be recycled. This symbol indicates that this product cannot be treated as household waste and should be handed over to the applicable collection point for the recycling of electrical and electronic equipment.

Safety Instructions:

1. Do not use in extremely high temperatures, humid, or flammable environments;
2. Avoid scratching the solar panel with sharp objects;
3. Do not cover the panel while charging;
4. Children must use under adult supervision.

Sicherheitshinweise:

1. Nicht in extremen Temperaturen, feuchten oder leicht entzündlichen Umgebungen verwenden;
2. Vermeiden Sie, dass scharfe Gegenstände das Solarpanel zerkratzen;
3. Decken Sie das Panel während des Ladevorgangs nicht ab;
4. Kinder nur unter Aufsicht von Erwachsenen verwenden.

Consignes de sécurité:

1. N'utilisez pas le produit dans des environnements à température extrêmement élevée, humides ou inflammables;
2. Évitez tout contact avec des objets pointus afin de prévenir les rayures sur le panneau solaire;
3. Ne couvrez pas le panneau pendant la charge;
4. Les enfants doivent utiliser ce produit sous la surveillance d'un adulte.

Note sulla Sicurezza:

1. Non utilizzare in ambienti estremamente caldi, umidi o infiammabili.
2. Evitare di graffiare il pannello solare con oggetti appuntiti.
3. Non coprire il pannello durante la ricarica.
4. Utilizzare sotto la supervisione di un adulto se usato da bambini.

Precauciones de seguridad:

1. Prohibido usar en ambientes de temperatura extrema, humedad elevada o con materiales inflamables.
2. Evite que objetos punzantes rayen el panel solar.
3. No cubra el panel durante la carga.
4. Los niños no deben utilizarlo sin la supervisión de un adulto.

Veiligheidsinstructies:

1. Gebruik niet in omgevingen met extreem hoge temperaturen, een hoge luchtvochtigheid of brandbare materialen;
2. Voorkom krassen op het zonnepaneel met scherpe voorwerpen;
3. Dek het zonnepaneel niet af tijdens het opladen;
4. Kinderen mogen het apparaat alleen gebruiken onder toezicht van een volwassene.

Shenzhen Desun Energy Tech. Co.,Ltd.

Shenzhen Factory Add: Room 101 and Room 102, Building 5; Room 201, Building 8; Room 301, Building 9, Hedian Industrial Park, Fumin Community, Fucheng Subdistrict, Longhua District, Shenzhen, China

ENVIRONMENTAL TIP!

Please recycle discarded products according to local regulations;
Do not discard indiscriminately;
Product materials meet environmental standards.

