

Product User Manual of HISONG AirStudio One

1. Product Overview

HISONG AirStudio One is the world's first four-in-one wireless portable recording device designed for musicians and content creators, suitable for professional recording, live streaming, Vlog and more scenarios. It condenses professional condenser microphones, wireless monitoring headphones, professional sound cards and smart tuning into a 120g lightweight body, breaking the complex constraints of traditional devices and allowing inspiration to flow freely anytime, anywhere.

1.1 Core Features

- **Bidirectional condenser microphone**

Bidirectional condenser microphone, cardioid and supercardioid freely switch.

- **Ultra-low latency wireless monitoring headphones**

Get rid of the constraints and friction of wires and perform seamless monitoring latency.

- **Compatible with multiple devices**

iOS, Android, PC, Mac, action camera, speakers, mixing console, professional camera, etc.

- **8 hours combined battery life**

8 hours combined battery life, supports charging while using.

- **Built-in sound card**

3.5mm Line In interface, compatible with various instruments and other devices.

- **HISONG Link Smart APP**

The HISONG Link APP not only supports real-time adjustment of parameters such as volume, reverb, noise reduction, and equalization, but also enables real-time recording and saving of recorded audio files for users to edit or share later.

2. HISONG Link APP Download and Function Introduction

2.1 Download and Install

Scan the QR code below to download the HISONG Link APP and follow the prompts to complete the installation.



Supported devices:

iOS: Search for **HISONG Link** on the APP Store and download it

Android: Search for **HISONG Link** on Google Play or download it from the official website

2.2 Main Features

Professional Recording & Editing: Supports high-definition recording, cropping, renaming, file management, and one-click export to social platforms.

Device Control & Audio tuning: Adjust microphone/headphone volume, input/output volume, reverb, equalization, support for internal recording, smart dodge, noise cancellation, ambient sound, one-click mute, etc. Make your recordings clearer and more professional.

3. Product component diagrams

3.1 HISONG AirStudio One mainframe compartment



1. Mode switch lever

For switching between Bluetooth mode and Studio mode (cardioid pointing/supercardioid pointing).

2. Volume $\pm$ keys

Adjust the microphone input volume (10 stops adjustable)

3. Three horizontal keys

Tap the microphone to mute/unmute, and hold for 2 seconds to switch the sound effect.

4. Warehouse body indicator light

Real-time feedback on equipment status. See "Light Displays" for more details.

5. Type-C interface

Charging/data transfer

6. 3.5mm Line In

Connect external instruments/sound sources

7. Magnetic attraction magnet

Magnetic attraction position with the microphone stand

Compartment light display

Flashing mode		Description
Green light always on		The microphone is working properly

Green light flashing		Volume up/down/sound switching
Red light flashing		Low battery warning
Red light always on	●	Mute the microphone

3.2 HISONG AirStudio One Wireless monitoring headphones



1. Touch area: Perform music control, call answering, etc. in Bluetooth mode

Operations	Notes	Features
Double-click Left (L) or right (R)	●●	Music: Play/Pause
		On call: Answer the call
		During a call: Hang up the current call
Triple-hit left (L)	●●●	Wake up the voice assistant
Triple right (R)	●●●	Music: Next track
Long press for two seconds	— 2S	In an incoming call: Reject the call

2. Dual microphone array:

For ambient noise reduction, precise sound pickup.

3.3 HISONG AirStudio One receiver

Illustration

1. Receiver indicator light

Used to show that the receiver is working and connected

2. Data Transfer Port (USB-C)

Used to connect devices such as computers and mobile phones.

Receiver light display

Flashing mode		Description
Green light always on		Working properly
The green light is flashing.		Disconnection/over-the-distance disconnection

4. A Quick Start Guide

4.1 Getting Started

4.1.1 Turn on the device

- Operation: Open the charging case cover, and the headphones will automatically power on and enter Bluetooth pairing mode.

4.1.2 Connect to your phone via Bluetooth

- Go to your phone **Settings** → **Bluetooth** → select "**HISONG AirStudio**"
- Success prompt: If the Bluetooth page of your phone shows "connected" and the earphone voice announces a "ding dong" prompt sound, the connection is successful.

4.1.3 First Connection icon

(The host compartment is open + "HISONG AirStudio" is selected in the phone's Bluetooth list)

4.2 Mode Switching

HISONG AirStudio One has two modes: Studio mode (Professional creation) and Bluetooth mode (everyday use).

4.2.1 Switch to Studio Mode (Professional Creation)

- Operation: In Bluetooth mode, turn the mode lever on the charging case to the right to:
 - Heart-shaped pointing
 - Supercardioid orientation
- Success tips:
 - Voice "**Studio Mode**" through headphones.
 - The green light on the **cabin indicator remains on**.

4.2.2 Switch **back to Bluetooth mode (for daily use)**

- Operation: Turn the left fluctuation mode lever to the far left.
- Success tip:
 - Headset voice broadcast "**Bluetooth Headset Mode**".
 - The cabin indicator light is completely **off**.

(Illustration: Mode lever position description)

4.3 Volume adjustment, Mute and sound effect adjustment

4.3.1 One-click mute/unmute

- **Operation:** Press the "**three horizontal keys**" briefly (once).
- **Indicator light feedback:**
 - Green light → red light: Mute the microphone
 - Red light to green light: Unmute

4.3.2 Switch sound effects

- **Operation:** Press and hold the **three horizontal keys** for 2 seconds.
 - Sound effect loop sequence (first loop) :

- Original sound preset sound → User 1 preset sound → User 2 sound
- Headphone alert sound
 - "Original sound" → "User 1" → "User 2"
- Memory function:
 - When the device is turned off and then turned on again, it will default to remembering the last used sound effect and loop in the order of **"current sound effect" → "next sound effect" → "next sound effect"** based on the current sound effect.
 - If the device was in **User 1** mode before turning it off, the next loop will be **User 1 → User 2 → original sound**.
 - If you are in **User 2** mode before closing, the next loop sequence will be **User 2 → Original sound → User 1**.

4.3.3 Fine-tuning the volume

- Operation: Press the "+"/" - "button briefly to adjust the microphone input volume by 10% per stop, for a total of 11 stops.
- Indicator light feedback: The indicator light flashes once each time the adjustment is successful.
- Limit warning:
 - When the volume is at minimum/maximum, the headphones give a "beep" sound and stop adjusting.
 - The indicator light flashes twice.

Suggestion for volume check before recording: When recording on the computer, in addition to using the volume control buttons on the HISONG AirStudio One device, it is also recommended to check the input volume of the computer system. Adjusting to the appropriate range will result in a clearer recording effect, avoiding the effects of too low or too high.

4.4 Reset with Multi-device Management

4.4.1 Clear Bluetooth pairing records

Applicable scenarios: Switching new devices or resolving connection anomalies

Operating steps:

1. Make sure the headphones are in the case and keep the case lid open.

2. Hold down the "+" and "-" buttons for 5 seconds.
3. Indicator light feedback:
 - Red and green flashing alternately.
 - After going off, the Bluetooth pairing record is cleared successfully.
4. Re-execute the Bluetooth pairing process.

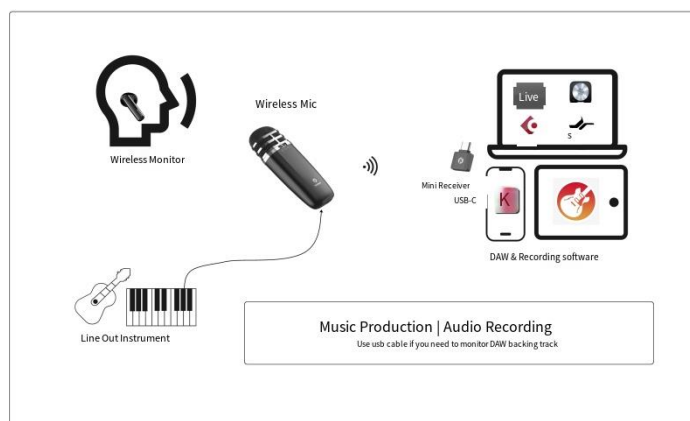
5. Schematic diagram of device connection

5.1 Music composition:

Applicable scenarios: Applicable to music production, studio recording, personal creation, etc.

Connection method:

- To wirelessly transmit the sound signal from the wireless microphone to the **receiver**, plug the receiver into your computer or mobile device.
- Real-time **monitoring is conducted through wireless monitoring headphones**
- Use **an instrument (such as a guitar, keyboard)** to connect to a wireless microphone via a wire to achieve simultaneous recording of the instrument and vocals.
- Use **DAW recording software** such as Logic Pro X, Ableton Live, etc. for professional recording and post-processing.
- **Tip:** Use a USB cable to connect your device for listening to DAW accompaniment.

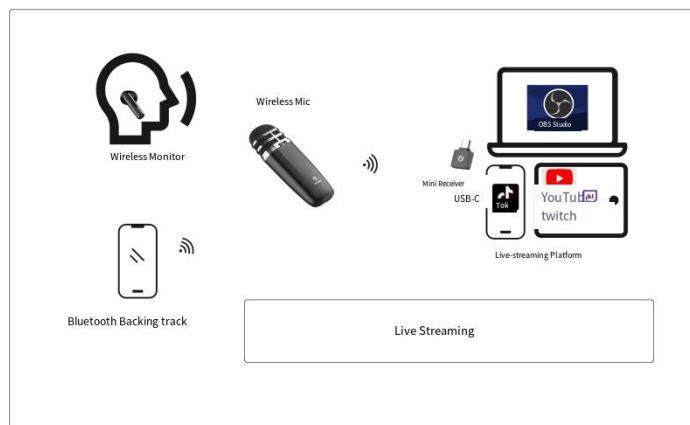


5.2 Live streaming online:

Applicable scenarios: Applicable to game live streaming, singing live streaming, online interaction, etc

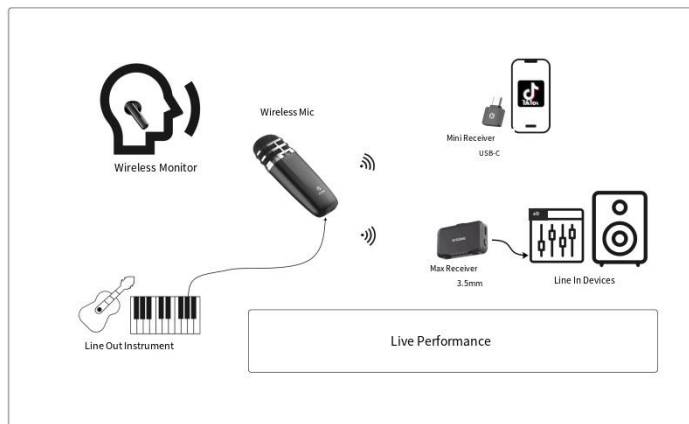
Connection method:

- Transmit the sound signal from the wireless microphone wirelessly to the **Mini Receiver** and plug the receiver into the live device (computer or mobile phone).
- **Monitor in real time through wireless monitoring headsets** to ensure sound stability throughout the live stream.
- Play the background music by playing the accompaniment music via **Bluetooth device**.
- Compatible with live streaming platforms such as **OBS Studio, YouTube, Twitch, TikTok**, etc., for all kinds of live streaming needs.



5.3 Live Performances:

- **Applicable scenarios:** Suitable for small shows, street performances, band rehearsals, etc.
- **Connection method:**
 - Transmit the sound signal from the wireless microphone wirelessly to the **Mini Receiver**, and plug the receiver into your phone for live streaming.
 - Transmit the sound signal from the wireless microphone wirelessly to the **Max Receiver** and connect to audio devices such as the mixing console and speakers for live amplification.
 - Real-time monitoring is carried out through wireless monitoring headphones to ensure the quality of the performance.
 - Instruments such as guitars and keyboards can be wired to wireless microphones for synchronized performance.



5.4 Content Creation:

- **Applicable scenarios:** Suitable for short video recording, Vlog creation, outdoor interviews, etc.
- **Connection method:**
 - Transmit the sound signal from the wireless microphone wirelessly to the **Mini Receiver** and plug it into your phone or action camera.
 - Transmit the sound signal from the wireless microphone wirelessly to the **Max Receiver and connect it to a professional camera for high-quality audio and video synchronization recording.**
 - Real-time monitoring through wireless monitoring headsets ensures clear and stable recording.



6 Audio Settings:

6.1 System Audio Settings

6.1.1 Wireless connection:

- Set the input as: **HISONG AirStudio**

- **Set the output to: HISONG AirStudio**

	Output device	Headphones (HISONG OneLive) ▼
	Input devices	Headphones (HISONG OneLive) ▼

6.1.2 Receiver Connection:

- **Set the computer input to: HISONG AirStudio RX**
- **Set the computer output to: HISONG AirStudio**

	Output device	Headphones (HISONG OneLive) ▼
	Input devices	Microphone (HISONG OneLive RX) ▼

6.1.3 Data Cable Connection:

- **Computer input device: HISONG AirStudio One USB**
- **Set the computer output to: HISONG AirStudio One USB**

	Output device	Speaker (ERZAN S1-USB) ▼
	Input devices	Microphone (ERZAN S1-USB) ▼

- **Adjust the volume of your computer input:**

Check your computer's default input volume before connecting HISONG AirStudio One for recording:

- On Windows, go to **Settings > Sound > Input**, select "HISONG

AirStudio", and adjust the input volume. It is recommended to set it between 50% and 70% to prevent the recording from being too low or distorted.

- On Mac, go to **System Settings > Sound > Input**, select "HISONG AirStudio", and adjust the input volume to the appropriate level. If the recording volume is too low or too high, you can adjust it appropriately based on the actual situation.

6.2 OTG switch Settings on your phone

6.2.1 Audio Settings for Android/iOS phone system

- i. Android phone system versions must be Android4.0 or above to support OTG functionality
- ii. The OTG switch is off by default. You need to search for the OTG switch to turn it on
- iii. Search for phones without an OTG switch, with the default on status, no need to manually turn it on
- iv. The phone's OTG switch needs to be turned on again after the cable has been disconnected for 10 minutes
- v. For iPhones, no operation is required and it is on by default.

7. Accessory list and instructions for use

7.1 Type C to Type C data cable ×1

- **Purpose:** To charge devices or perform data transmission (such as recording, firmware upgrades, etc.)

7.2 3.5mm TRS audio cable ×1

- **Purpose:** For connecting an external instrument (such as guitar, keyboard) or other audio source device to the device's 3.5mm Line In interface for high-fidelity audio input.

7.3 Type-C to USB-A adapter ×1

- **Purpose:** For converting a Type-C interface to a standard USB-A interface for connecting devices such as computers and chargers that do not support Type-C.

7.4 Magnetic stand ×1

- **Purpose:** Secure the device by magnetic attraction for easy adjustment of the microphone Angle, suitable for recording, live streaming, etc.
- **Installation steps:**
 - i. Install the **1/4-inch threaded interface** of the stand base to the tripod or desktop stand.
 - ii. Align the **magnetic attraction area** on the back of the main compartment with the bracket magnet and gently attach it to secure.
 - iii. When adjusting the Angle of the bracket, hold the bracket arm and move it slowly to avoid pulling hard and causing it to fall off.

7.5 Leather storage bag ×1

- **Purpose:** For storing microphones, headphones and accessories to prevent scratches or dust contamination.

7.6 1/4 to 3/8 adapter × 1

- **Purpose:** This adapter is designed specifically for magnetic stands to convert the **1/4-inch interface of the stand base to a 3/8-inch interface** to fit professional tripods or large stand equipment.
- **How to use:**
 - i. Screw the **3/8-inch threaded end** of the adapter into the top of the tripod.
 - ii. Screw the **1/4-inch interface** of the magnetic stand base into the other end of the adapter;
 - iii. Make sure there is no looseness after tightening to avoid the device toppling over.

8. Specification parameters

Mainframe compartment

Microphone type: 14mm condenser microphone

Microphone sensitivity: -43 ± 2 dB

Charging case battery capacity: 800mAh/ 3.85V

Standby time in Studio mode: 10 hours

Headphones

Speaker specification: 13mm dynamic driver

Headphone frequency response range: 20Hz-20kHz

Headphone battery capacity: 41mAh/ 3.85V

Standby time in Bluetooth headphone mode: 4 hours

Standby time in Studio mode: 3 hours

Sound quality: 48kHz, 16-bit

9. Maintenance and Care

To ensure stability and extend the lifespan of **HISONG AirStudio One** equipment, please follow the following maintenance and care recommendations:

9.1 Cleaning and Storage

- **Equipment housing cleaning:** Wipe the equipment housing with a dry soft cloth. Avoid using alcohol, solvents, or corrosive cleaners to prevent damage to the housing material or coating.
- **Microphone maintenance:** The microphone grille may accumulate dust or debris. It is recommended to gently clean it with **a soft brush to prevent clogging and affecting sound quality**. Avoid forcefully tapping or slapping the microphone to prevent damage to the internal structure.
- **Dust and moisture:** When not in use for a long time, **store in a dry, cool, well-ventilated** place and avoid exposure to high temperatures, high humidity or direct sunlight.
- **Avoid strong shock:** Do not **drop, squeeze or shake the** equipment violently to prevent damage to the internal precision components.

9.2 Charging and battery protection

- **Use the official recommended charger and** avoid using a mismatched power adapter to prevent overvoltage or overcurrent or short circuit damage to the device.
- **Avoid over-discharging.** When the device is low in power, it is recommended to charge it as soon as possible. If it has not been used for a long time, charge it once every **three months to keep the battery active**.
- **Charging environment requirements:** It is recommended to charge in **an** environment ranging from 0°C to 45° C. Avoid charging or storing the device in extremely high or low temperature conditions to prevent affecting battery performance and lifespan.

10 Safety Warnings and Precautions

- **Avoid strong magnetic interference:** Do not place your device in a **strong magnetic field environment** (such as near high-power speakers, transformers, induction cookers, or wireless charging devices) to avoid affecting **the stability of wireless signals, sound quality**, or causing abnormal operation of the device.
- **Suitable temperature range:** It is recommended to use it in **an environment of 0°C to 40° C**. **Avoid operating the device in high temperature (>40°C) or low temperature (<0°C)** conditions to prevent battery performance or internal circuit stability.
- **Waterproof and dustproof:** This device is not waterproof. Do not use it in damp, rainy or high-dust environments (such as beaches, construction sites) to avoid affecting the lifespan of the device or damaging electronic components.
- **Do not disassemble:** Non-professionals are not allowed to disassemble, modify or repair the equipment without authorization, as this may damage the internal precision components and result in disqualification from warranty.

FCC Warning:

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.

Caution: Any changes or modifications to this device not explicitly approved by manufacturer could void your authority to operate this equipment.

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.

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