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> [SENXIN SX31 Dual Mic Wireless Lavalier Microphone User Manual](#)

## SENXIN SX31

# SENXIN SX31 Dual Mic Wireless Lavalier Microphone User Manual

Model: SX31 Dual Mic

## 1. PRODUCT OVERVIEW

The SENXIN SX31 Dual Mic Wireless Lavalier Microphone system provides high-quality audio recording for various devices, including iPhones, Android phones, cameras, and speakers. This system features a plug-and-play design, eliminating the need for Bluetooth or app connections. It includes two transmitters (microphones) and one receiver, offering versatile recording options.

Key features include:

- **Easy Operation:** Plug-and-play functionality for quick setup.
- **Multi-Device Compatibility:** Receiver with Lightning, Type-C, and 3.5mm jack for broad compatibility.
- **Audio Control:** Volume adjustment and four radio modes (mute, original sound, noise reduction, reverb).
- **Extended Battery Life:** Built-in 300 mAh battery provides 6-10 hours of use.
- **Omni-directional Pickup:** 360° sound capture without dead angles.
- **2.4GHz Wireless Transmission:** Stable connection up to 20 meters (65 feet) with low latency.
- **Portable Design:** Lightweight and compact for easy clipping onto clothing.



Image 1.1: Overview of the SENXIN SX31 Dual Mic Wireless Lavalier Microphone system, showing two transmitters and one receiver.

## 2. COMPONENT IDENTIFICATION

Familiarize yourself with the components and controls of your SENXIN SX31 system.

### Step 1: Plug the receiver into the phone port



### Step 2: Turn on the microphone power, live Broadcast, and shoot video



Image 2.1: Labeled diagram of the microphone (transmitter) controls, including charge port, boot button, volume up/down, headphone output, and indicator lights for reverberation, noise reduction, and original sound modes.

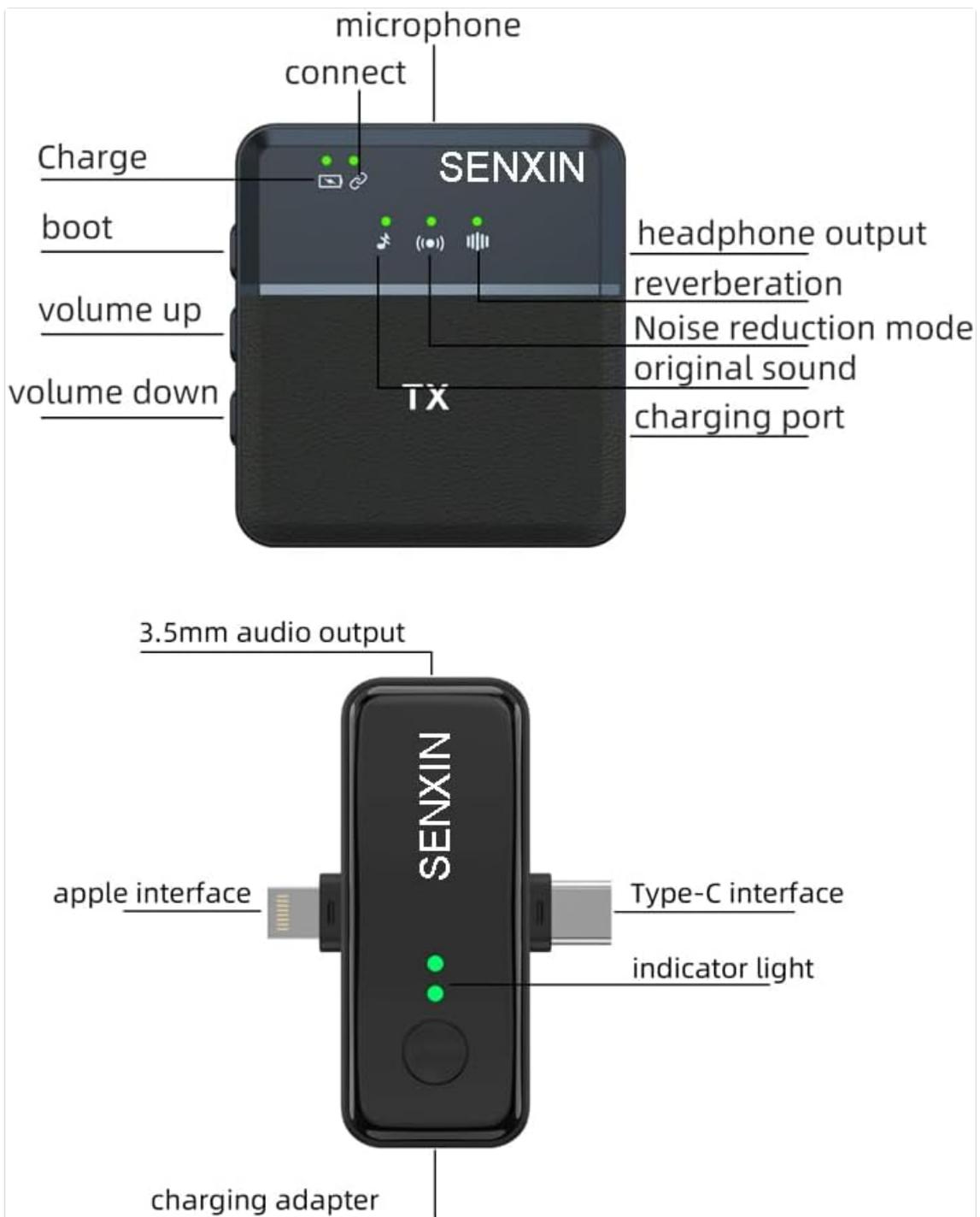


Image 2.2: Labeled diagram of the receiver, showing the Apple (Lightning) interface, Type-C interface, indicator light, and 3.5mm audio output.

### 3. SETUP INSTRUCTIONS

Follow these steps for initial setup and connection:

1. **Charge the Microphones:** Ensure both microphone transmitters are fully charged before first use. Use the provided charging cable with a standard USB power adapter. The power indicator will flash when the battery is low.
2. **Connect the Receiver:** Plug the receiver into the appropriate port on your recording device (phone, camera, speaker, or computer). The receiver features Lightning, Type-C, and 3.5mm connectors for broad compatibility.
3. **Power On Microphones:** Press and hold the power button on each microphone transmitter to turn them on. The microphones will automatically pair with the receiver. A successful connection is indicated by a

steady light on both the microphone and receiver.

## Compatible Most Devices



Image 3.1: Visual guide for connecting the receiver to a phone and powering on the microphone for recording.

### Device Compatibility

The SENXIN SX31 is designed for wide compatibility:

- **Smartphones:** Compatible with iPhone (Lightning port) and Android devices (Type-C port).
- **Cameras:** Connects via the 3.5mm audio output.
- **Laptops/PCs:** Connects via the 3.5mm audio output.
- **Speakers:** Connects via the 3.5mm audio output.

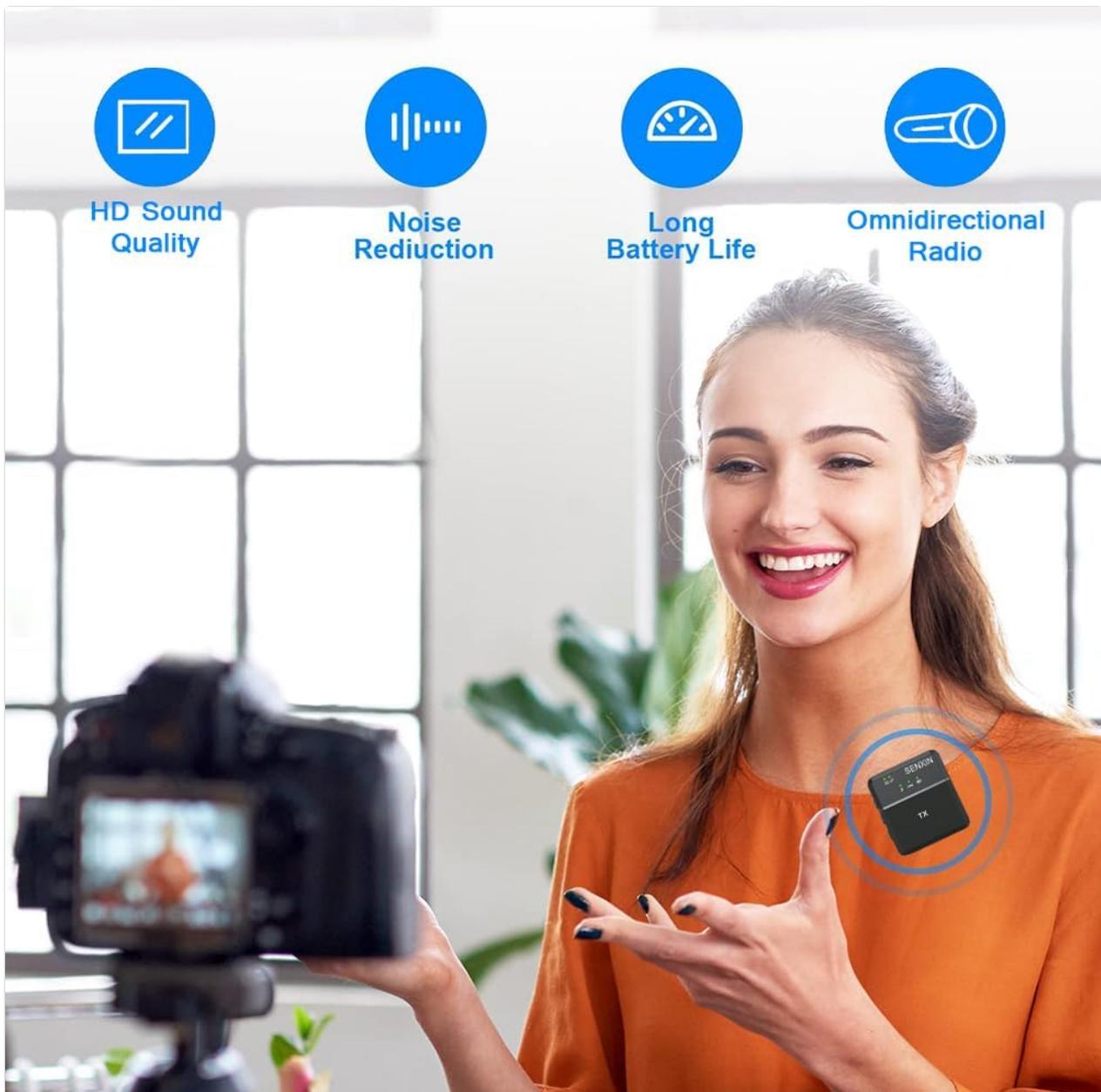


Image 3.2: Illustration of the receiver's compatibility with various devices including iPhones, Android phones, laptops, cameras, and PCs.

## 4. OPERATING INSTRUCTIONS

Once connected, operate your SENXIN SX31 microphones as follows:

1. **Power On/Off:** Press and hold the power button on the microphone for 3 seconds to turn it on or off.
2. **Volume Adjustment:** Use the volume up (+) and volume down (-) buttons on the microphone to adjust the audio input level.
3. **Radio Modes:** The microphone offers four distinct radio modes. Press the mode button (often indicated by a waveform icon) to cycle through them:
  - **Mute:** Disables audio input from the microphone.
  - **Original Sound:** Captures audio without any processing.
  - **Noise Reduction:** Filters out ambient background noise for clearer speech.
  - **Reverb:** Adds an echo effect to the audio.
4. **Low Battery Reminder:** The power indicator light on the microphone will flash when the battery level is

low, signaling that it needs recharging.

5. **Monitoring:** If your microphone transmitter has a headphone output, you can plug in headphones to monitor your audio in real-time.

**2.4GHz Wireless Transmisson**  
**65FT(20M) Operating Range**

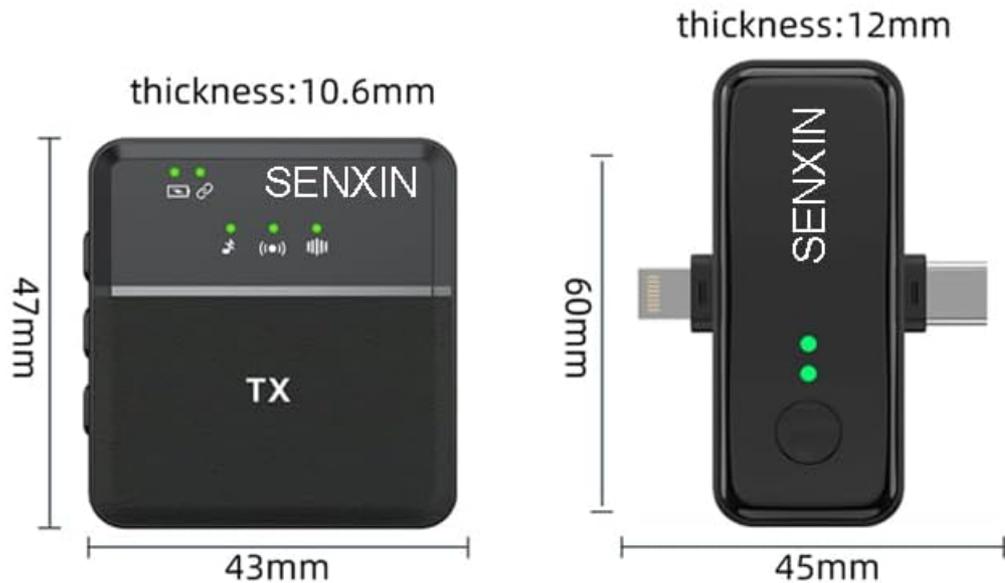
**65FT**

**0.009s Low Latency**

**Interference-free 65ft Coverage Zero Latency**

Image 4.1: Visual representation of key features including HD sound quality, noise reduction, long battery life, and omnidirectional radio.

# Product parameters



product name	wireless microphone	Wireless version	2.4G/Bluetooth 4.2
Body weight	25g	receiving distance	20 meters
battery capacity	250mAh	signal to noise ratio	≥90DB
Frequency Range	New wireless transmission	Frequency Range	35Hz-20KHz
point to type	omnidirectional	Dimensions	47X43X10.6mm
charging time	about 2 hours	work time	about 4-5 hours
charging interface	Type-c charging port	Rated input	DC5V=500mA

Image 4.2: Details on the 2.4GHz wireless transmission, 65ft (20m) operating range, and 0.009s low latency for interference-free audio.

## 5. MAINTENANCE

Proper care ensures the longevity and optimal performance of your SENXIN SX31 microphones:

- **Cleaning:** Use a soft, dry cloth to clean the microphone and receiver. Avoid using liquids or abrasive cleaners.
- **Storage:** Store the devices in a cool, dry place away from direct sunlight and extreme temperatures.
- **Battery Care:** Recharge the microphones regularly, even if not in frequent use, to maintain battery health. Avoid fully depleting the battery for extended periods.

- **Avoid Water:** The devices are not waterproof. Keep them away from water and high humidity.
- **Handle with Care:** Avoid dropping or subjecting the devices to strong impacts.

## 6. TROUBLESHOOTING

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If you encounter issues, refer to the following common problems and solutions:

- **No Sound/Poor Audio Quality:**
  - Ensure the receiver is fully plugged into your device.
  - Verify both the microphone and receiver are powered on and paired (indicator lights are steady).
  - Check the microphone's battery level. Recharge if low.
  - Adjust the microphone's volume level.
  - Ensure the microphone is not in 'Mute' mode.
  - Move closer to the receiver to ensure you are within the 20-meter (65ft) operating range.
  - Minimize obstacles between the microphone and receiver.
  - Try switching to 'Noise Reduction' mode if in a noisy environment.
- **Microphone Not Pairing:**
  - Ensure both devices are powered on.
  - Turn both devices off and then on again to re-initiate pairing.
  - Ensure no other 2.4GHz devices are causing interference nearby.
- **Device Not Recognizing Receiver:**
  - Ensure the receiver is fully inserted into the correct port (Lightning, Type-C, or 3.5mm).
  - For some devices, you may need to select the external microphone as the audio input source in your device's sound settings or recording app.
  - Restart your recording device.

## 7. SPECIFICATIONS

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Feature	Specification
Model Name	SX31
Microphone Form Factor	Lavalier
Connectivity Technology	Wireless (2.4GHz)
Operating Range	Up to 20 meters (65 feet) without obstacles
Latency	0.009s
Polar Pattern	Omnidirectional
Microphone Battery Capacity	300 mAh (Lithium Polymer)

Microphone Usage Time	6-10 hours
Charging Interface	Type-C
Receiver Connectors	Lightning, USB Type-C, 3.5mm Jack
Special Features	Noise Reduction, Volume Control, Mute Function, Reverb Mode, Battery Indicator Light, Clip
Compatible Devices	Camera, Smartphone (iPhone, Android), Speaker
Item Weight (Microphone)	Approximately 20 grams (0.7 ounces)
Material	Plastic

## 8. WARRANTY AND SUPPORT

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For information regarding warranty coverage and customer support, please refer to the documentation included with your product packaging or visit the official SENXIN website. If you encounter any issues not covered in this manual, please contact SENXIN customer service for assistance.

Included Components:

- Microphone Transmitters (2 units for dual mic version)
- Receiver
- Charging Cable
- Instructions Manual