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› GRENARO Wireless Lavalier Microphone S16 Instruction Manual

## GRENARO S16

# GRENARO Wireless Lavalier Microphone S16 Instruction Manual

Model: S16

## INTRODUCTION

This manual provides detailed instructions for the GRENARO Wireless Lavalier Microphone S16. This device is designed to deliver high-quality audio recording for various applications, including video recording, interviews, podcasts, vlogs, and YouTube content, especially when used with iOS devices. Please read this manual thoroughly before use to ensure proper operation and to maximize the product's performance and longevity.

## PACKAGE CONTENTS

Upon unpacking, please verify that all items listed below are present and in good condition:

- 1 x GRENARO Wireless Lavalier Microphone (Transmitter)
- 1 x Receiver (Lightning Connector)
- 1 x Charging Case
- 1 x USB-C Charging Cable
- 1 x User Manual (this document)

## PRODUCT OVERVIEW

Familiarize yourself with the components of your GRENARO Wireless Lavalier Microphone system.

# SMART AUTOMATIC NOISE CANCELLATION



**Figure 1:** Main components of the GRENARO Wireless Lavalier Microphone system.

The system includes a compact wireless microphone (transmitter) designed to clip onto clothing, a receiver that connects directly to your iOS device, and a portable charging case that also serves as storage.

# COMPATITABLE WITH IOS SYSTEM



## Type-C to Lightning Adapter (Includ)

iPhone/ iPad/ Mac



Figure 2: The charging case with the microphone and receiver stored inside.

## SETUP

The GRENARO Wireless Lavalier Microphone S16 features a plug-and-play design, requiring no additional applications or Bluetooth pairing for initial setup.

1. **Charge the Microphone:** Ensure the wireless microphone (transmitter) is sufficiently charged. Place it in the

charging case and connect the case to a power source using the provided USB-C cable if needed. The charging case's LED display will show the battery percentage.

2. **Connect the Receiver:** Plug the receiver directly into the Lightning port of your iOS device (iPhone/iPad).
3. **Power On the Microphone:** Press and hold the power button on the wireless microphone.
4. **Automatic Pairing:** The microphone and receiver will automatically pair. The red indicator light on the receiver and the green indicator light on the microphone will remain steadily on once connected.
5. **Ready for Use:** Once paired, the microphone is ready to capture audio. Open your desired recording application (e.g., Camera app, YouTube, Facebook, or a dedicated video recording app) to begin recording.



Figure 3: Auto-pairing and synchronization process.

## Compatibility

This microphone system is specifically designed for iOS devices equipped with a Lightning port, including various models of iPhone and iPad. A Type-C to Lightning adapter is included for broader compatibility.

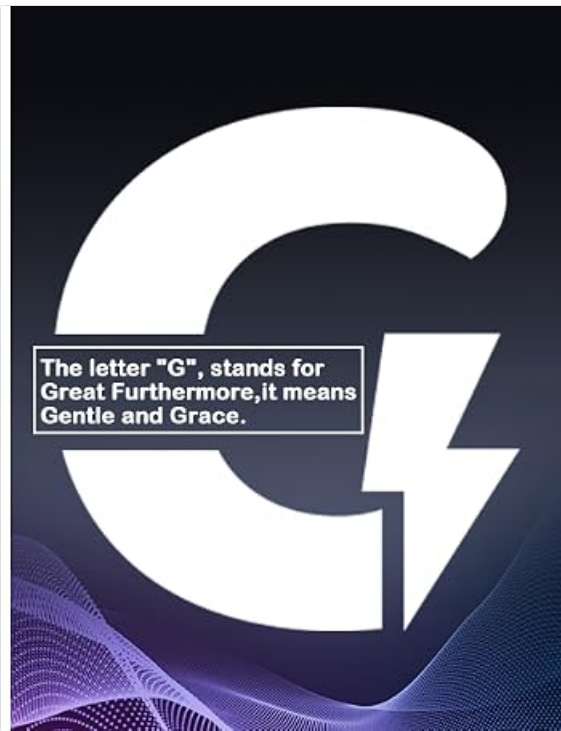


Figure 4: Compatibility with iOS devices via Lightning connector.

## OPERATING INSTRUCTIONS

### Noise Cancellation

The microphone features an integrated Smart DSP Noise Cancellation Chip. This technology automatically detects and reduces background noise without requiring manual setup. The noise-canceling mode is active upon powering on the microphone, ensuring clear audio even in noisy environments.

**Grenaro**

**DIGITAL DISPLAY WIRELESS LAVALIER MICROPHONE WITH CHARGING CASE**

- 30M Wireless Connection Distance
- 360° Omnidirectional Pickup
- Intelligent Digital Display
- Plug and Play
- 2.4GHz Wireless Technology
- Real-time Monitoring Sound
- Widely Compatible
- Long Battery Life

Figure 5: Illustration of smart automatic noise cancellation in action.

## Audio Modes

The microphone supports multiple audio modes to suit different recording needs. To switch between modes, perform three quick clicks on the indicator button of the microphone.

- **Noise Reduction Mode:** Ideal for clear voice recording in environments like vlogs, podcasts, and YouTube videos.
- **Reverb Mode:** Suitable for applications such as video recording, live streams, or KTV singing, adding an echo effect.
- **Mute Mode:** Temporarily mutes the microphone, useful for interviews, meetings, or reports when you need to pause audio input.



Figure 6: Available audio modes and their recommended uses.

## Wireless Transmission

The system utilizes 2.4GHz wireless transmission technology, providing a stable connection and a transmission distance of approximately 98 feet (30 meters). Real-time auto-sync technology ensures minimal delay (0.009s) between audio and video, making it suitable for recording at a distance.

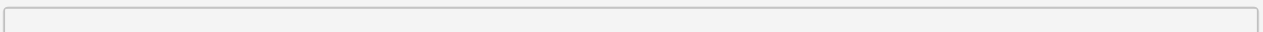


Figure 7: Wireless transmission range and low latency.

## Omnidirectional Sound Reception

The microphone features a 360° omnidirectional pickup pattern, allowing it to capture sound from all directions with high sensitivity. This ensures that every detail of the audio is recorded effectively.

## CHARGING

The GRENARO Wireless Lavalier Microphone comes with a digital display charging case for convenient power management.

- **Charging the Microphone:** Place the microphone into the charging case. It takes approximately 1-2 hours to fully charge the microphone, providing up to 8 hours of continuous use.
- **Charging the Case:** Connect the charging case to a power source using the provided USB-C cable. The LED power display on the case shows the remaining battery percentage (1%-100%), allowing you to monitor its charge status. The charging case has a 600mAh capacity.



Figure 8: Charging case features and battery information.

## MAINTENANCE

To ensure the longevity and optimal performance of your GRENARO Wireless Lavalier Microphone, follow these maintenance guidelines:

- **Cleaning:** Use a soft, dry cloth to clean the microphone, receiver, and charging case. Avoid using harsh chemicals, solvents, or abrasive materials.
- **Storage:** When not in use, store the microphone and receiver in the provided charging case to protect them from dust, moisture, and physical damage. Store in a cool, dry place.
- **Battery Care:** For optimal battery life, avoid fully discharging the device frequently. If storing for an extended period, charge the device to about 50% every few months.
- **Avoid Extreme Conditions:** Do not expose the device to extreme temperatures, direct sunlight, or high humidity. Keep away from water and other liquids.

## TROUBLESHOOTING

If you encounter issues with your GRENARO Wireless Lavalier Microphone, refer to the following common problems and solutions:

| Problem | Possible Cause | Solution |
|---------|----------------|----------|
|---------|----------------|----------|

| Problem                                    | Possible Cause                                                                                                                                                                                                                                        | Solution                                                                                                                                                                                                                                                                                                                                                                                             |
|--------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| No sound or low volume during recording.   | <ul style="list-style-type: none"><li>• Microphone not powered on.</li><li>• Microphone not paired with receiver.</li><li>• Receiver not fully inserted into device.</li><li>• Low battery on microphone.</li><li>• Recording app settings.</li></ul> | <ul style="list-style-type: none"><li>• Ensure microphone is powered on (green indicator light).</li><li>• Verify both microphone and receiver indicator lights are solid. Re-pair if necessary.</li><li>• Ensure receiver is securely plugged into your iOS device's Lightning port.</li><li>• Charge the microphone.</li><li>• Check audio input settings in your recording application.</li></ul> |
| Intermittent connection or audio dropouts. | <ul style="list-style-type: none"><li>• Out of range.</li><li>• Interference from other wireless devices.</li><li>• Obstructions between microphone and receiver.</li></ul>                                                                           | <ul style="list-style-type: none"><li>• Move closer to the receiver (within 98ft/30m).</li><li>• Move away from other 2.4GHz wireless devices (Wi-Fi routers, other wireless mics).</li><li>• Ensure a clear line of sight between microphone and receiver.</li></ul>                                                                                                                                |
| Charging case not charging.                | <ul style="list-style-type: none"><li>• Charging cable or adapter issue.</li><li>• Charging port obstruction.</li></ul>                                                                                                                               | <ul style="list-style-type: none"><li>• Try a different USB-C cable and power adapter.</li><li>• Check the charging port for debris and clean carefully if necessary.</li></ul>                                                                                                                                                                                                                      |
| Noise cancellation not effective.          | <ul style="list-style-type: none"><li>• Extremely loud environment.</li><li>• Microphone placement.</li></ul>                                                                                                                                         | <ul style="list-style-type: none"><li>• While effective, DSP noise cancellation has limits in extremely noisy conditions. Try to reduce ambient noise if possible.</li><li>• Ensure the microphone is clipped correctly and not obstructed.</li></ul>                                                                                                                                                |

SPECIFICATIONS

| Feature                     | Detail                              |
|-----------------------------|-------------------------------------|
| Model Name                  | S16                                 |
| Brand                       | GRENARO                             |
| Connectivity Technology     | 2.4GHz Wireless, USB (for charging) |
| Connector Type              | Lightning                           |
| Compatible Devices          | iPhone, iPad (iOS devices)          |
| Microphone Form Factor      | Lavalier                            |
| Polar Pattern               | Omnidirectional                     |
| Signal-to-Noise Ratio       | 70 dB                               |
| Wireless Transmission Range | Up to 98 feet (30 meters)           |
| Transmission Delay          | 0.009s                              |

| Feature                        | Detail                                 |
|--------------------------------|----------------------------------------|
| Microphone Battery Life        | Up to 8 hours (after 1-2 hours charge) |
| Charging Case Capacity         | 600mAh                                 |
| Material                       | Metal                                  |
| Item Weight                    | 3.09 ounces (87.6 Grams)               |
| Product Dimensions (L x W x H) | 3.23 x 1.06 x 2.24 inches              |

## WARRANTY AND SUPPORT

GRENARO products are designed for reliability and performance. For specific warranty details, please refer to the warranty card or documentation included with your purchase. If you require technical support, have questions about product operation, or need assistance with troubleshooting beyond what is covered in this manual, please contact GRENARO customer service through the retailer where the product was purchased or visit the official GRENARO website for contact information.

