

SYNCO G2(A2) MAX

SYNCO G2(A2) MAX Wireless Microphone System User Manual

Model: G2(A2) MAX

INTRODUCTION

The SYNCO G2(A2) MAX is a professional wireless lavalier microphone system designed for clear and distortion-free audio capture. It is suitable for a wide range of applications including recording, live streaming, interviews, online classes, and presentations. This manual provides detailed instructions for setting up, operating, and maintaining your G2(A2) MAX system.

PRODUCT OVERVIEW

The SYNCO G2(A2) MAX system includes two transmitters (TX), one receiver (RX), and two 3.5mm headset microphones. Each component is designed for ease of use and reliable performance.



Figure 1: SYNCO G2(A2) MAX Wireless Microphone System components. This image displays the two compact transmitters (TX), one receiver (RX), and two included 3.5mm headset microphones, illustrating the complete system setup.

Components

- **Transmitter (TX):** Captures audio via built-in microphone or external lavalier/headset mic. Features internal recording capability.
- **Receiver (RX):** Receives audio signals from the transmitters and outputs to a recording device.
- **3.5mm Headset Microphones:** Provides an alternative audio input for the transmitters, ideal for hands-free operation.



Figure 2: Two 3.5mm headset microphones. These microphones are designed for comfortable wear and provide clear audio input when connected to the SYNCO G2(A2) MAX transmitters.

SETUP

1. **Charging:** Fully charge the transmitters and receiver using the provided USB-C cables before first use.
2. **Power On:** Press and hold the power button on both the TX units and the RX unit to turn them on. They will automatically pair.
3. **Connect Microphones:**
 - For built-in microphone use, ensure the TX unit is positioned correctly.
 - To use the headset microphone, plug its 3.5mm connector into the MIC input port on the TX unit.
4. **Connect Receiver to Device:**
 - Use the included 3.5mm TRRS cable for smartphones, tablets, and laptops.
 - Use the included 3.5mm TRS cable for DSLR cameras and camcorders.

Compatible with 3.5mm microphone jacks (e.g. SYNCO wireless lavalier microphone)



Figure 3: Compatibility and Connection. This image illustrates how the SYNCO G2(A2) MAX system connects to various devices using its 3.5mm output, highlighting its universal compatibility with cameras, smartphones, and other recording equipment.

OPERATING INSTRUCTIONS

TFT Display Screen

The bright, high-contrast TFT display screens on both the transmitters and receiver provide real-time information. This includes current recording mode, battery status, audio level, and gain settings, ensuring clear visibility in various lighting conditions.

Internal Recording (TX Units)

Each transmitter features 8GB of internal storage, allowing for approximately 24 hours of recording. This provides a reliable backup in case of wireless signal interruption or other audio recording quality issues.

- To start/stop internal recording: Long press the dedicated internal storage recording button on the TX unit for 3 seconds.
- One TX unit supports built-in recording for up to 5 hours at a time.



Approx 24H of Recording Storage



8GB

Internal Storage Recording

One TX supports built-in recording for 5 hours at a time, providing reliable backup for youtube/vlog , interviews, video conference , etc.

Figure 4: Internal Recording Feature. This image shows a user wearing a SYNCO G2(A2) MAX transmitter, with an overlay highlighting the device's display, indicating active recording and battery status, demonstrating the built-in recording capability.

Noise Reduction & Gain Control

The system incorporates a One-Touch Noise Cancellation feature to minimize background noise. Gain control is

adjustable from 0 to 6 levels, allowing precise optimization of audio input levels.

- **Noise Cancellation:** Press the designated button on the TX unit to activate or deactivate noise reduction.
- **Gain Adjustment:** Use the gain control buttons on the RX unit to increase or decrease the output audio level.



Figure 5: Noise Reduction and Gain Control. This graphic illustrates the effectiveness of the two-stage noise cancellation feature, showing a

cleaner audio waveform 'After' activation. It also depicts the 6-level gain control on the receiver, allowing users to fine-tune audio input levels.

Output Modes (Receiver)

The receiver supports three output modes: Mono, Stereo, and Safety mode, providing flexibility for post-production and live scenarios.

- **Mono Mode:** Combines audio from both transmitters into a single mono track.
- **Stereo Mode:** Separates audio from each transmitter into distinct left and right channels.
- **Safety Mode:** Provides a backup track at a lower volume level to prevent clipping or distortion. This mode is particularly useful for preventing whistling sounds.

MAINTENANCE

- **Cleaning:** Use a soft, dry cloth to clean the units. Do not use liquid cleaners or solvents.
- **Storage:** Store the system in a cool, dry place away from direct sunlight and extreme temperatures.
- **Battery Care:** For optimal battery life, avoid fully discharging the units frequently. Charge them regularly, even if not in use for extended periods.
- **Cable Care:** Handle cables gently to prevent damage to connectors and wiring.

TROUBLESHOOTING

| Problem | Possible Cause | Solution |
|--------------------------------|---|--|
| No audio output | Units not powered on. Not paired correctly. Cables not connected properly. Low battery. | Ensure all units are powered on. Re-pair TX and RX units (they should pair automatically upon power-on). Check all cable connections (MIC to TX, RX to recording device). Charge all units. |
| Distorted or unclear audio | Gain level too high/low. Interference. Microphone too far/close. Noise reduction not active/effective. | Adjust gain level on the RX unit. Move away from strong Wi-Fi signals or other 2.4GHz devices. Ensure microphone is positioned optimally (e.g., lavalier 6-8 inches from mouth). Activate One-Touch Noise Cancellation. Consider using Safety Mode. |
| Short transmission range | Obstructions between TX and RX. Environmental interference. | Ensure clear line-of-sight between TX and RX. Avoid using in environments with heavy wireless traffic. |
| Internal recording not working | Recording not activated. Storage full. | Long press the recording button on TX for 3 seconds. Transfer recorded files and clear storage. |

SPECIFICATIONS

- **Model:** SYNCO G2(A2) MAX
- **Transmission Type:** 2.4GHz Digital

- **Operating Range:** Up to 656 ft / 200 m (Line-of-Sight)
- **Internal Storage (TX):** 8GB (Approx. 24 hours recording)
- **Audio Output Modes:** Mono, Stereo, Safety
- **Gain Control:** 0-6 Levels
- **Noise Reduction:** One-Touch Noise Cancellation
- **Display:** TFT Screen
- **Connectivity:** 3.5mm TRRS/TRS output
- **ASIN:** B0F43QL6F5
- **First Available:** April 8, 2025

656FT LONG-RANGE TRANSMISSION

2.4GHz digital stable transmission up to 656ft(200m)



Figure 6: Long-Range Transmission. This image visually represents the impressive 656 feet (200 meters) line-of-sight transmission range of the SYNCO G2(A2) MAX, emphasizing its stable 2.4GHz digital transmission.

USAGE SCENARIOS

The SYNCO G2(A2) MAX wireless microphone system is versatile and suitable for various professional and personal applications requiring high-quality audio capture.

- **Interviews:** Dual transmitters allow for two-person interviews with clear, separate audio tracks.
- **Vlogging & YouTube:** Ideal for content creators needing reliable audio for their videos.
- **Live Streaming:** Ensures professional sound quality for live broadcasts.
- **Online Classes & Webinars:** Provides clear voice transmission for educators and presenters.
- **Presentations & Public Speaking:** The headset microphones offer hands-free operation for speakers and coaches.



Figure 7: Stage Performance. A woman on stage utilizing the headset microphone for clear audio capture during a performance, demonstrating the system's suitability for live events.



Figure 8: Professional Presentation. A man presenting in a professional setting, wearing the headset microphone, highlighting its utility for teachers, speakers, and coaches.

WARRANTY AND SUPPORT

For warranty information and technical support, please refer to the official SYNCO website or contact their customer

service directly. Keep your purchase receipt as proof of purchase for warranty claims.

SYNCO Official Website: www.syncoaudio.com



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Comprehensive user manual for the SYNCO G2A2 MAX wireless microphone system, covering setup, operation, features, specifications, and warranty information.
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