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SYNCO SY-G2A1-MAX

SYNCO G2(A1) MAX Wireless Lavalier Microphone User Manual

Model: SY-G2A1-MAX | Brand: SYNCO

INTRODUCTION

The SYNCO G2(A1) MAX is a 2.4G wireless lavalier microphone system designed for high-quality audio recording with DSLR cameras, smartphones, PCs, and tablets. Featuring 8GB of onboard recording, a 656ft (200m) transmission range, and advanced noise cancellation, this system ensures clear and reliable audio for various applications such as vlogging, live streaming, online classes, and interviews.

656FT LONG-RANGE TRANSMISSION

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



Image: The SYNCO G2(A1) MAX system demonstrating its 656ft (200m) long-range transmission capability, with the microphone connected to a smartphone.

PACKAGE CONTENTS

Please verify that all items are present in your package:

- SYNCO G2(A1) MAX Transmitter (TX)

- SYNCO G2(A1) MAX Receiver (RX)
- 3.5mm TRRS Cable (for smartphones/laptops)
- 3.5mm TRS Cable (for DSLR cameras)
- Lavalier Microphone with foam windscreen
- Windproof Cover (dead cat)
- USB-A to Dual USB-C Charging Cable
- User Manual (this document)
- Storage Pouch

SETUP GUIDE

1. Charging the Devices

Before first use, fully charge both the transmitter (TX) and receiver (RX) using the provided USB-A to Dual USB-C charging cable. A full charge takes approximately 1.5 hours and provides up to 8 hours of working time.

COMPACT DESIGN AND LONG WORKING TIME



 **1.5h** full charge

 **8 Hours**
Working long

Image: The SYNCO G2(A1) MAX transmitter and receiver connected to a power bank via USB-C cables, illustrating the charging process and battery life.

2. Powering On and Automatic Pairing

Press and hold the power button on both the transmitter (TX) and receiver (RX) until their TFT display screens illuminate. The devices will automatically pair with each other upon power-on. The display will indicate a successful connection.

3. Connecting to Your Device

- **For DSLR Cameras:** Use the 3.5mm TRS cable. Connect one end to the RX's output port and the other end to your camera's microphone input.
- **For Smartphones/Laptops:** Use the 3.5mm TRRS cable. Connect one end to the RX's output port and the other end to your smartphone's or laptop's headphone/microphone jack. For devices without a 3.5mm jack, an appropriate adapter (not included) may be required.



Image: The SYNCO G2(A1) MAX receiver shown connected to a variety of recording devices, including DSLR cameras, smartphones, and laptops, highlighting its universal compatibility.

OPERATING INSTRUCTIONS

1. Onboard Recording (TX)

The transmitter (TX) features 8GB of internal storage, providing approximately 24 hours of audio backup. To activate or deactivate internal recording, long-press the dedicated recording button on the TX for 3 seconds. The TFT display will show the recording status and 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.

Image: A close-up of the SYNCO G2(A1) MAX transmitter's display, indicating active recording and the 8GB internal storage capacity for extended audio backup.

2. Monitoring Audio

Connect headphones to the 3.5mm headphone jack on the receiver (RX) to monitor your audio in real-time. This allows you to ensure optimal sound quality during recording.

3. Noise Reduction

The G2(A1) MAX features a one-touch noise cancellation function to minimize background noise. Press the noise reduction button on the TX to toggle this feature on or off. The display will indicate its status.

4. Gain Control

Adjust the audio input gain on the receiver (RX) to optimize signal levels. The gain control offers 0-6 levels, allowing you to prevent audio from being too quiet or too loud. Use the gain control buttons on the RX to cycle through the levels, which are displayed on the TFT screen.

TWO-STAGE NOISE CANCELATION & GAIN CONTROL



Before

L-Level
REC 00:00:09
A

H-Level
REC 00:00:09
A

After



Stereo
A+0 B+0

0 3 6 9 12 15

The gain control largely ranges(6 Levels)

SYNCO
G2MAX RX

Detailed description: This promotional graphic illustrates the two-stage noise cancellation and gain control features of the SYNCO G2(A1) MAX. The top half shows a hand pressing a button on the transmitter (TX) to toggle noise cancellation. The 'Before' state shows a noisy waveform, while the 'After' state shows a cleaner waveform. The middle section shows the receiver's (RX) TFT screen displaying 'L-Level' and 'H-Level' noise cancellation options, both with a 'REC 00:00:09' timer and a battery level indicator. The bottom section shows a hand pressing a button on the receiver to adjust the gain control. A graph below the receiver shows the gain control levels (0, 3, 6, 9, 12, 15) and a note that the gain control largely ranges (6 Levels). The receiver's screen displays 'Stereo', 'A+0', and 'B+0' with battery level indicators. The SYNCO G2MAX RX logo is visible at the bottom.

Image: The SYNCO G2(A1) MAX receiver's display illustrating the noise cancellation feature and the 0-6 level gain control, with a graphic showing the effect of noise reduction.

5. Output Modes (Mono/Stereo/Safety)

The receiver supports Mono, Stereo, and Safety output modes. These modes are ideal for various recording scenarios and post-production flexibility. Switch between modes using the dedicated button on the RX. The current mode is shown on the display.

- **Mono Mode:** Combines both transmitter audio into a single channel.
- **Stereo Mode:** Separates audio from each transmitter into left and right channels (if using two transmitters).
- **Safety Mode:** Records a secondary track at -6dB to prevent clipping in case the main audio track is too loud. This helps avoid distorted recordings.

NEW UPGRADED SAFETY CHANNEL MODE

Safety channel avoids sound blasting and howling for more protection.

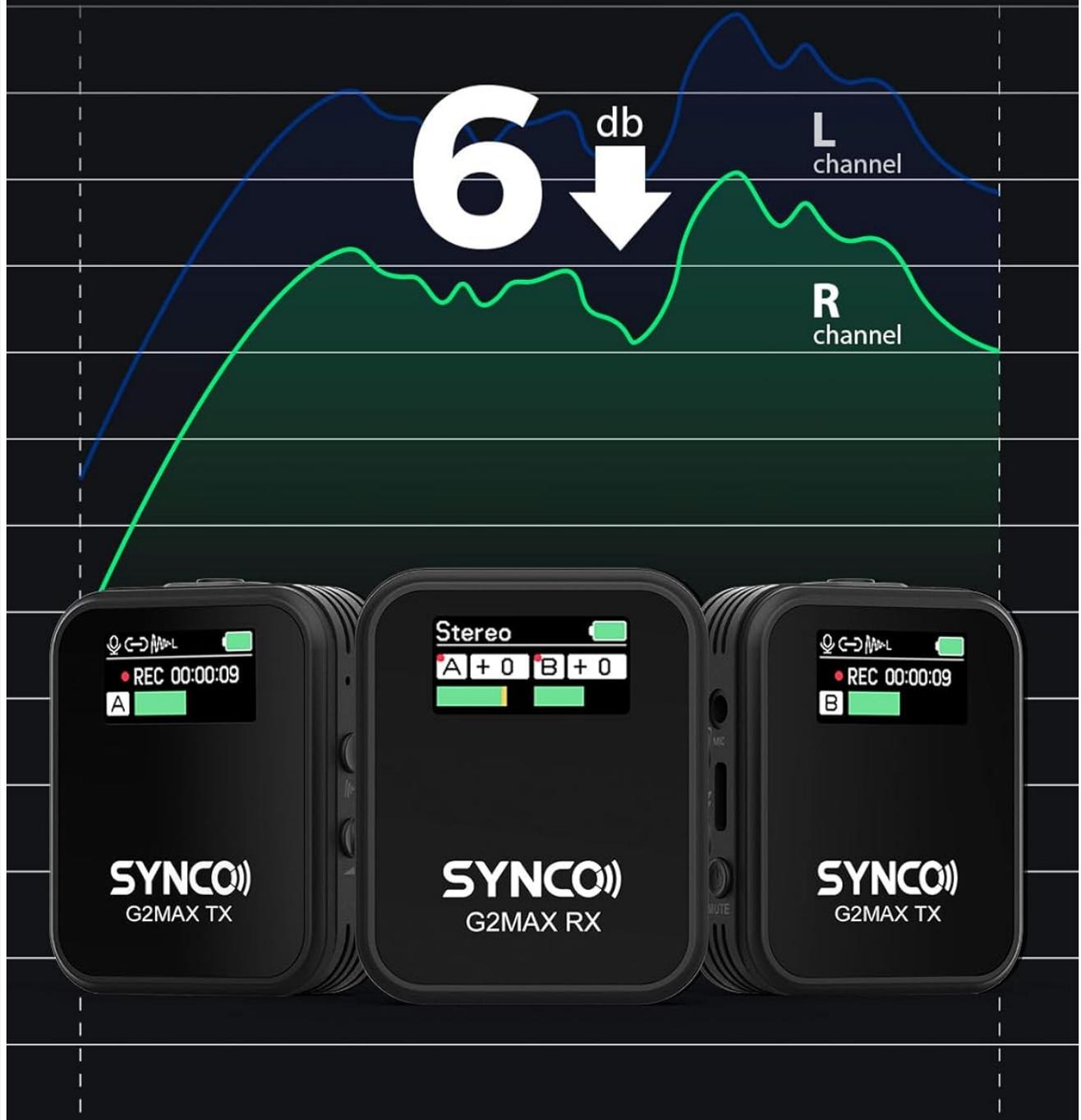


Image: The SYNCO G2(A1) MAX system demonstrating the Safety Channel Mode, which records a secondary audio track at a lower level to prevent clipping and ensure audio integrity.

6. Muting the Microphone

Press the mute button on the transmitter (TX) to temporarily mute the microphone. This is useful for short pauses without needing to power off the system. The display will indicate when the microphone is muted.

7. TFT Display Screens

Both the transmitter and receiver feature bright, high-contrast TFT display screens. These screens provide real-time information on battery status, audio levels, current recording mode, gain settings, and more, ensuring clear visibility in various lighting conditions.

8. Upgraded Built-in Microphone

The SYNCO G2(A1) MAX features an upgraded built-in microphone with an increased size (6mm compared to 4mm in previous models) for improved sound quality. The windproof cover is also designed to be tighter and more secure, reducing the likelihood of it falling off during use.

NEW UPGRADED BUILT-IN MIC SET UP

Increased size for improved sound quality



Windproof cover is tighter and less likely to fall off

6mm

4mm

Image: A visual comparison showing the larger 6mm built-in microphone of the G2(A1) MAX and its improved windproof cover design, next to a smaller 4mm microphone.

MAINTENANCE

- **Cleaning:** Use a soft, dry cloth to clean the devices. Avoid using liquid cleaners or solvents.
- **Storage:** Store the microphone system in a cool, dry place, away from direct sunlight and extreme

temperatures. Use the provided storage pouch for protection.

- **Battery Care:** For optimal battery life, avoid fully discharging the devices frequently. Charge them regularly, even if not in use for extended periods.

TROUBLESHOOTING

Problem	Possible Cause	Solution
No sound or low audio level	Device not powered on. Not paired correctly. Gain level too low. Wrong cable connected. Microphone muted.	Ensure both TX and RX are powered on. Check pairing status on TFT displays. Increase gain level on RX (0-6 levels). Verify correct 3.5mm TRRS/TRS cable for your device. Unmute the TX microphone.
Distorted or noisy audio	Gain level too high. Background noise. Interference. Safety Mode not active.	Decrease gain level on RX. Activate noise reduction feature on TX. Move away from sources of interference (e.g., Wi-Fi routers). Enable Safety Mode on RX for a backup track.
Recording not saving to internal memory	Recording function not activated. Memory full.	Long-press the recording button on TX for 3 seconds to start recording. Transfer existing recordings to a computer to free up space.
Short transmission range or dropouts	Obstructions between TX and RX. Beyond maximum range. Strong 2.4GHz interference.	Ensure a clear line of sight between TX and RX. Stay within the 656ft (200m) operational range. Avoid environments with heavy 2.4GHz wireless traffic.

SPECIFICATIONS

Model Name	SY-G2A1-MAX
Brand	SYNCO
Connectivity Technology	Wireless (2.4GHz Digital Transmission)
Transmission Range	Up to 656 ft (200 m) Line-of-Sight
Onboard Recording	8GB (Approx. 24 hours audio backup)
Microphone Form Factor	Lavalier
Connector Type	3.5 mm Jack, USB Type-C
Compatible Devices	DSLR Cameras, Smartphones, PCs, Tablets
Power Source	Battery Powered (Built-in rechargeable)

Battery Life	Up to 8 hours
Charging Time	Approx. 1.5 hours
Number of Channels	2 (Dual-Channel System)
Item Weight	10.8 ounces (total package weight)
Package Dimensions	7.28 x 4.02 x 2.52 inches

WARRANTY AND SUPPORT

For warranty information, technical support, or service inquiries, please refer to the official SYNCO website or contact their customer support directly. Keep your purchase receipt as proof of purchase for warranty claims.

Official SYNCO Website: [Visit the SYNCO Store on Amazon](#)