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› SYNCO G2(A2) Wireless Lavalier Microphone System Instruction Manual

SYNCO SY-G2

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Model: SY-G2 | Brand: SYNCO

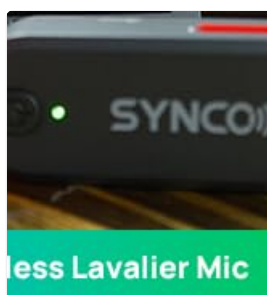
1. INTRODUCTION

This manual provides detailed instructions for the proper setup, operation, and maintenance of your SYNCO G2(A2) Wireless Lavalier Microphone System. Please read this manual thoroughly before using the product to ensure optimal performance and longevity. The SYNCO G2(A2) is a 2.4GHz dual-channel wireless microphone system designed for clear and stable audio recording with cameras, smartphones, tablets, and other compatible devices.

2. WHAT'S IN THE BOX

Verify that all components are present in your package:

- SYNCO G2(A2) Wireless Lavalier Microphone (2 Transmitters, 1 Receiver)
- External Lavalier Microphones (with Wind Muffs) x 2
- Mic Windshields x 2
- 3.5mm TRS Camera Cable x 1
- 3.5mm TRRS Phone Cable x 1
- 3-in-1 Charging Cable x 1
- Carrying Bag x 1
- Magnets x 2
- User Manual x 1



All components included in the SYNCO G2(A2) Wireless Lavalier Microphone system package: carrying bag, two transmitters, one receiver, user manual, two magnets, two external lav mics with wind muffs, 3-in-1 charging cable, two mic windshields, 3.5mm TRRS phone cable, and 3.5mm TRS camera cable.

3. PRODUCT OVERVIEW

The SYNCO G2(A2) system consists of two transmitters (TX) and one receiver (RX). Each unit is compact and features a TFT display screen for easy monitoring of settings and status.



The SYNCO G2(A2) Wireless Lavalier Microphone system, showcasing the two transmitters, one receiver, two lavalier microphones with wind muffs, various cables, and a carrying bag.

3.1. Transmitter (TX)

- **Built-in Microphone:** For direct clip-on use.
- **External Mic Input:** 3.5mm jack for connecting the included lavalier microphone.
- **Mute Button:** Quickly mute/unmute the microphone.
- **TFT Display:** Shows battery status, audio level, and pairing status.
- **Power Button:** On/Off control.

3.2. Receiver (RX)

- **Output Jack:** 3.5mm for connecting to cameras, smartphones, or other recording devices.
- **Headphone Jack:** 3.5mm for real-time audio monitoring.

- **Gain Control Buttons:** Adjust audio output level (0-6 levels).
- **TFT Display:** Shows battery status, audio levels for both transmitters, gain settings, and mode (Mono/Stereo/Safety).
- **Power Button:** On/Off control.

INTUITIVE AUDIO CONTROL VIA HD TFT SCREEN



Real-time Monitoring



Volume Control



Auto Pairing



Others

The SYNCO G2(A2) receiver mounted on a camera, displaying its TFT screen with real-time monitoring, volume control, and auto-pairing icons, alongside two transmitters.

4. SETUP

4.1. Charging the Units

Before first use, fully charge both transmitters and the receiver using the provided 3-in-1 charging cable. Connect the cable to a USB power source. The TFT display will indicate charging status. A full charge takes approximately 1.5 hours.

NO BATTERY ANXIETY ON SET

Support Charging While Working




1.5 Hours
Full Charge


8 Hours
Working Time


3-in-1
Charge

A videographer wearing headphones and operating a camera, with the SYNCO G2(A2) system in use, emphasizing 1.5 hours full charge, 8 hours working time, and 3-in-1 charging.

4.2. Powering On/Off

Press and hold the power button on each transmitter and the receiver for a few seconds to turn them on or off.

4.3. Automatic Pairing

The SYNCO G2(A2) system features automatic pairing. Simply power on both transmitters and the receiver, and they will automatically connect. The TFT displays will show a stable connection indicator once paired.

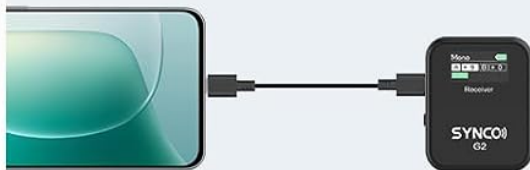
4.4. Connecting to a Recording Device

- **For Cameras (DSLR/Mirrorless):** Use the 3.5mm TRS camera cable. Connect one end to the receiver's output jack and the other end to your camera's microphone input.
- **For Smartphones/Tablets:** Use the 3.5mm TRRS phone cable. Connect one end to the receiver's output jack and the other end to your smartphone/tablet's headphone/microphone jack. For devices without a 3.5mm jack, an appropriate adapter (e.g., USB-C to 3.5mm, Lightning to 3.5mm) may be required (not included).
- **For Computers/Laptops:** Depending on your computer's input, use either the TRS or TRRS cable. Some computers may require a USB audio interface for optimal performance.

UNIVERSAL SYNC UNMATCHED SOUND

Compatible with More Devices

Type-C to Type-C Cable (Not included)



3.5mm TRS Camera Cable



A wide array of devices including smartphones, tablets, cameras, and laptops, demonstrating the universal compatibility of the SYNCO G2(A2) system with various connection types.

5. OPERATING INSTRUCTIONS

5.1. Wearing the Transmitter

You can use the transmitter in two ways:

- **Built-in Microphone:** Clip the transmitter directly onto your clothing, ensuring the microphone faces your mouth.
- **External Lavalier Microphone:** Plug the external lavalier microphone into the transmitter's 3.5mm input jack. Clip the lavalier microphone to your clothing, approximately 6-8 inches from your mouth, and secure the transmitter to your belt or pocket. Attach a mic windshield for outdoor use to reduce wind noise.

5.2. Muting Function

Press the mute button on the side of the transmitter to temporarily silence the microphone. The TFT display will indicate the mute status. Press again to unmute.

5.3. Real-Time Monitoring

Connect headphones to the receiver's 3.5mm headphone jack to monitor the audio being recorded in real-time. This allows you to check audio quality and levels during recording.

5.4. Gain Control

Use the gain control buttons on the receiver to adjust the output volume. The SYNCO G2(A2) offers 0-6 levels of gain control, allowing you to optimize signal levels to prevent audio clipping or being too quiet.

6. MODES OF OPERATION

The receiver supports three output modes:

- **Mono Mode:** Combines audio from both transmitters into a single mono track. Ideal for single-person recordings or when both speakers are intended to be heard equally.
- **Stereo Mode:** Separates audio from each transmitter into distinct left and right channels. This is useful for two-person interviews, allowing for individual audio adjustments in post-production.
- **Safety Mode:** Records a primary audio track and a secondary track at -6dB. This provides a backup in case the main track experiences unexpected clipping or distortion, preventing the recording from being unusable.

Switch between modes using the dedicated button on the receiver. The current mode will be displayed on the TFT screen.

NEW UPGRADED SAFETY CHANNEL MODE

Safety Channel Avoids Sound Blasting

A man in a blue blazer and glasses is presenting, holding a whiteboard marker. He is wearing a small black transmitter clipped to his shirt. Behind him is a whiteboard with handwritten notes and diagrams. The notes include:

- ES & transient not resistant
- Fanout
- Noise reduction
- microphone (on)
- Switch
- Transmitters
- Test in operation
- Potential problems
- Dots in parenthesis
- Dotted fraction
- Dotted fraction

The whiteboard also features a diagram of a triangle with the word "Power" inside. In the foreground, a black SYNCO G2 transmitter is shown with a green bar graph indicating the -6dB safety track.

A presenter using the SYNCO G2(A2) transmitter clipped to their shirt during a presentation, with a graphic indicating the -6dB safety track for the new upgraded safety channel mode.

7. NOISE REDUCTION

The SYNCO G2(A2) features a one-touch noise cancellation function to minimize unwanted background noise. Activate this feature by pressing the designated button on the transmitter. This helps deliver clear and high-fidelity sound, especially in environments with ambient noise.

DUAL-MODE NOISE REDUCTION FOR CLARITY

Filter Out Noise in Loud Environments for Interviewers and Vloggers



Mic Windshield



Wind Muff



Two people conversing outdoors, one holding a microphone with a wind muff, illustrating the dual-mode noise reduction feature for clarity in loud environments.

8. MAINTENANCE

To ensure the longevity and optimal performance of your SYNCO G2(A2) system, follow these maintenance guidelines:

- **Cleaning:** Use a soft, dry cloth to clean the units. Avoid using liquid cleaners or solvents.
- **Storage:** Store the system in the provided carrying bag in a cool, dry place away from direct sunlight and extreme temperatures.
- **Battery Care:** For long-term storage, ensure the batteries are charged to approximately 50-60% to prevent degradation. Recharge every three months if not in use.
- **Cable Care:** Avoid sharp bends or excessive pulling on cables to prevent damage.

9. TROUBLESHOOTING

If you encounter issues with your SYNCO G2(A2) system, refer to the following common problems and solutions:

- **No Sound:**
 - Ensure all units (transmitters and receiver) are powered on and paired.
 - Check cable connections between the receiver and your recording device. Ensure the correct TRS/TRRS cable is used.
 - Verify the recording device's microphone input is selected and its volume is up.
 - Check if the transmitter is muted.
 - Adjust the receiver's gain level.
- **Poor Sound Quality/Distortion:**
 - Ensure the transmitter is within the optimal transmission range (up to 656 ft/200m line-of-sight).
 - Activate the noise reduction feature if in a noisy environment.
 - Adjust the receiver's gain to prevent clipping (audio too loud) or low signal (audio too quiet).
 - Check for obstructions or strong electromagnetic interference.
 - Ensure the external lavalier microphone is securely connected and positioned correctly.
- **Units Not Pairing:**
 - Power off and then power on all units. They should auto-pair.
 - Ensure units are close to each other during the pairing process.
- **Short Battery Life:**
 - Ensure units are fully charged before use.
 - Battery performance can decrease over time with extensive use.

If problems persist, please contact SYNCO customer support.

10. SPECIFICATIONS

Model Name	SY-G2
Connectivity Technology	2.4GHz Wireless
Microphone Form Factor	Lavalier

Polar Pattern	Omnidirectional
Frequency Response	50Hz - 20KHz
Audio Sensitivity	80 Decibels
Signal-to-Noise Ratio	76 dB
Number of Channels	2
Transmission Range	Up to 656 ft / 200 m (Line of Sight)
Battery Type	Lithium Ion
Working Time	Up to 8 hours
Charging Time	Approx. 1.5 hours
Item Weight (each unit)	1.38 Ounces (39g)
Compatible Devices	Laptop, Personal Computer, Camcorder, Camera, Smartphone
Special Features	Clip, Battery Indicator Light, Mute Function, Volume Control, Noise Reduction

11. WARRANTY AND SUPPORT

SYNCO products are designed for reliability and performance. For detailed warranty information, please refer to the warranty card included with your product or visit the official SYNCO website. For technical support, troubleshooting assistance, or to access additional resources, please visit the SYNCO brand store or contact their customer service.

- **User Guide (PDF):** [Download PDF](#)
- **User Manual (PDF):** [Download PDF](#)
- **SYNCO Brand Store:** [Visit Store](#)

ASK A QUESTION ABOUT THIS MANUAL

Ask about setup, troubleshooting, compatibility, parts, safety, or missing instructions. Manuals+ will review the question and use this page’s manual context to help answer it.

Name

Anonymous

Email

you@example.com

After a successful submission, we securely hash the supplied account or form email before sending it to Microsoft Advertising for conversion attribution. [Privacy details](#).

Question

Example: How do I reset this device or fix this error?

Details

Model number, symptoms, what you tried, or the section of the manual you are using.

Submit question