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## ACEMIC G6

# ACEMIC G6 2.4G Wireless Microphone System User Manual

**MODEL: G6**

**Brand: ACEMIC**

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## Introduction

Thank you for choosing the ACEMIC G6 2.4G Wireless Microphone Audio Transmitter and Receiver System. This system is designed to convert your traditional dynamic XLR microphone into a wireless setup, offering freedom of movement and high-quality audio transmission. It is ideal for various applications including live performances, presentations, and studio recording. Please read this manual thoroughly to ensure proper setup and operation.



Image: The ACEMIC G6 wireless transmitter (TX) and receiver (RX) units.

## Product Overview

### Package Contents

- 1 x ACEMIC G6 Wireless Transmitter (TX)

- 1 x ACEMIC G6 Wireless Receiver (RX)
- 1 x Dual USB-C Charging Cable
- 1 x User Manual

## Key Features

- **2.4G Wireless Technology:** Provides stable and reliable audio transmission.
- **XLR Plug-on Design:** Easily converts dynamic XLR microphones to wireless.
- **6 Selectable Channels:** Allows for multiple units to operate simultaneously without interference.
- **Wide Compatibility:** Works with dynamic microphones, audio mixers, and PA systems.
- **Long Battery Life:** Built-in rechargeable lithium polymer batteries offer up to 10 hours of continuous working time.
- **Extended Transmission Range:** Up to 100 feet (30 meters) in open areas.
- **Low Latency:** Audio latency of less than 5ms ensures real-time performance.
- **High-Quality Audio:** 24-bit/48kHz sampling rate for clear sound reproduction.
- **Lightweight and Portable:** Each unit weighs approximately 40g for easy handling.
- **One-Key Operation:** Simple power on/off and mute/unmute functions.

# Mini Size & Lightweight

40G lightweight won't let you feel tired after hold it for a long time.



Image: The lightweight design of the ACEMIC G6, weighing 40 grams per unit.

## Component Identification

Each unit (Transmitter and Receiver) features:

- **XLR Plug/Socket:** For connecting to microphones or audio equipment.
- **Lock Design (Transmitter):** Secures the unit to the microphone.
- **Type-C Charging Port:** For recharging the internal battery.
- **Power Button:** Long press to power on/off, short press for mute/unmute.
- **Power/Pairing Indicator:** LED light indicating power status, charging status, and pairing status.

# One-Key to Pairing



Image: The ACEMIC G6 system demonstrating one-key pairing and connectivity with various audio devices.

## Setup Instructions

### 1. Initial Charging

Before first use, fully charge both the transmitter and receiver. Use the provided dual USB-C charging cable to connect both units to a USB power adapter (not included). The status indicator will be red during charging and turn blue when fully charged. A full charge typically takes 3-4 hours.

# 6 Hours Working Time

**Being Charged:** Status indicator in red.

**Fully charged:** Status indicator in blue.



Image: ACEMIC G6 units indicating charging status with LED lights.

## 2. Powering On/Off

Long press the power button on both the transmitter (TX) and receiver (RX) for 3 seconds to turn them on or off. The power indicator will light up.

## 3. Pairing

The transmitter and receiver are designed to automatically pair when powered on. If they do not connect automatically, or if you need to re-pair them:

1. Ensure both units are powered off.
2. Long press the power button on both units simultaneously for 5 seconds.
3. The system will enter pairing mode, and the power indicator will flash.
4. Once successfully paired, the power indicator will stay blue.

## 4. Connecting to Equipment

- **Transmitter (TX):** Plug the XLR end of the transmitter directly into the XLR output of your dynamic microphone. Ensure it is securely locked.

- **Receiver (RX):** Plug the XLR end of the receiver into the XLR input of your audio mixer, PA system, or other audio interface.

**Important Note: This system does not support phantom power. It is designed for use with dynamic microphones only. Do not attempt to use it with condenser microphones that require phantom power.**

# Make Your Favorite Dynamic Microphone Wireless

**NOT WORK With Condenser Mic**



Image: A dynamic microphone made wireless with the ACEMIC G6 transmitter.

## Operating Instructions

### Mute Function

While the unit is powered on, a short press of the power button on either the transmitter or receiver will mute the audio. The power indicator will flash. Short press again to unmute, and the indicator will return to a solid blue.

### Multiple Sets Operation

The ACEMIC G6 system supports 2-3 sets operating simultaneously in the same location. Each set will automatically select an available channel upon pairing to minimize interference.

# Support 2-3 Sets in the Same Place Simultaneously



Image: The ACEMIC G6 system supporting multiple wireless microphone setups simultaneously.

## Optimal Performance

For best performance, ensure a clear line of sight between the transmitter and receiver. Avoid placing units near strong electromagnetic interference sources (e.g., Wi-Fi routers, microwave ovens) which may affect signal quality and range.

# 2.4G Excellent Sound Quality



Transmission  
Distance 100ft(30m)



Latency  
<5ms



Sampling Rate  
24-Bit/48kHz



Image: Key performance specifications of the ACEMIC G6 system.

## Maintenance

### Battery Care

- Recharge the units when the power indicator shows low battery (flashing red).
- Avoid completely draining the battery frequently to prolong its lifespan.
- If storing for an extended period, charge the units to approximately 50% every few months.

### Cleaning

Wipe the units with a soft, dry cloth. Do not use liquid cleaners or solvents, as they may damage the device.

### Storage

Store the system in a cool, dry place away from direct sunlight and extreme temperatures.

## Troubleshooting

- **No Sound:**

- Ensure both transmitter and receiver are powered on and paired (solid blue indicator).
- Check if the microphone is properly connected to the transmitter.
- Verify the receiver is correctly connected to your audio input device.
- Confirm the microphone is a dynamic type and does not require phantom power.
- Check volume levels on your mixer/PA system.

- **Interference/Poor Sound Quality:**

- Move closer to the receiver to reduce distance.
- Ensure there are no obstructions between the transmitter and receiver.
- Avoid operating near other 2.4G wireless devices (e.g., Wi-Fi routers, Bluetooth devices).
- Re-pair the units to allow them to select a different channel.

- **Units Not Pairing:**

- Ensure both units are fully charged.
- Follow the re-pairing instructions in the Setup section.

- **Short Battery Life:**

- Ensure units are fully charged before use.
- Battery performance may degrade over time with extensive use.

## Specifications

Feature	Specification
Model	G6
Frequency Band	2.4Ghz
Frequency Response	20Hz-20KHz
Power Source	Battery Powered (2 Lithium Polymer batteries included)
Lithium Battery Capacity	600mAh (each unit)
Continuous Working Time	Up to 10 hours
Charging Time	3-4 hours
Transmission Distance	Up to 100ft (30m) in open area
Audio Latency	<5ms
Sampling Rate	24-bit/48kHz
Signal-to-Noise Ratio	48 dB
Number of Channels	6
Dimensions (L x W x H)	0.98 x 0.71 x 4.13 inches

Feature	Specification
Item Weight	7 ounces (total for both units, approx. 40g each)
Material	Plastic

## Warranty and Support

ACEMIC products are designed for reliability and performance. This product comes with a standard manufacturer's warranty against defects in materials and workmanship. For specific warranty details, please refer to the warranty card included in your package or contact ACEMIC customer support.

If you encounter any issues or have questions regarding your ACEMIC G6 system, please contact our customer support team. You can find contact information on the ACEMIC official website or through your retailer.