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> MUSYSIC MU-MF5U2 Dual UHF Wireless Microphone System User Manual

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Model: MU-MF5U2

INTRODUCTION

This manual provides detailed instructions for the setup, operation, maintenance, and troubleshooting of your MUSYSIC MU-MF5U2 Dual UHF Wireless Microphone System. Please read this manual thoroughly before using the system to ensure proper function and to maximize its performance and longevity. This system is designed for professional-grade audio performance in various settings, including live events, PA systems, karaoke, and presentations.

PACKAGE CONTENTS

Verify that all items listed below are included in your package:

- 2 Handheld Microphones
- 1 Receiver
- 1 1/4" to 1/4" Audio Cable
- 1 Receiver Power Adapter
- 1 User Manual (this document)

PRODUCT OVERVIEW

Receiver (MU-MF5U2)

The receiver unit is the central component of your wireless microphone system, processing audio signals from the microphones and outputting them to your sound system. It features dual antennas for stable signal reception and an LCD display for monitoring system status.

2 HANDHELD MICROPHONES



A Reliable Pair Of Handheld Microphones Designed For Clear, Crisp Audio. Perfect For Events, Speeches, Karaoke, And Everyday Use Offering Strong Performance And Easy Handling.

Image: Front and back view of the MUSYSIC MU-MF5U2 receiver, showing controls, display, and connection ports.

Front Panel Controls:

- **Power Button:** Turns the receiver on or off.
- **Volume Controls (CH A/CH B):** Adjusts the output volume for each microphone channel.
- **SET Buttons:** Used to access and change frequency settings.
- **IR Sensor:** For infrared synchronization with handheld microphones.
- **LCD Display:** Shows frequency, RF/AF levels, and other system information.

Rear Panel Connections:

- **Antenna Inputs (ANT A/ANT B):** Connect the included antennas for optimal signal reception.
- **Balanced XLR Outputs (BALANCED A/BALANCED B):** Provides individual balanced audio output for each microphone channel.
- **Mixed 1/4" TS Output (MIX OUT):** Combines both microphone channels into a single unbalanced output.
- **DC 12-18V Power Input:** Connect the provided power adapter here.

Handheld Microphones

The system includes two handheld microphones, each featuring a dynamic capsule for clear vocal reproduction, an LCD display, and a power button.

2 CHANNEL RECEIVER

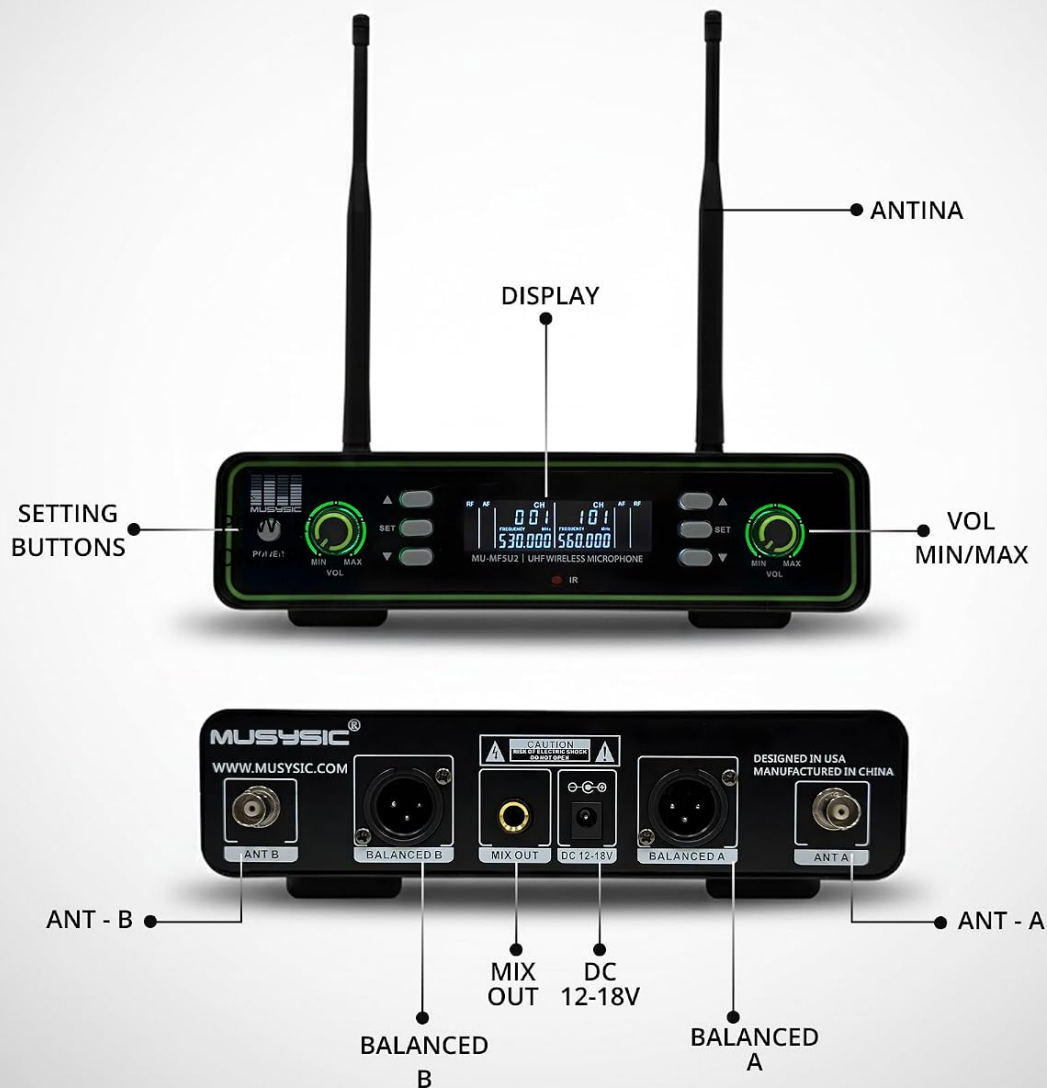


Image: Two MUSYSIC MU-MF5U2 handheld microphones, showing the grille, display, and power button.

- **Microphone Grille:** Protects the microphone capsule.
- **Display:** Shows current frequency, battery status, and channel.
- **Power ON/OFF Button:** Controls microphone power.
- **Battery Compartment:** Located at the bottom, for installing AA batteries.
- **IR Sensor:** For infrared synchronization with the receiver.

SETUP INSTRUCTIONS

1. **Connect Antennas:** Screw the two antennas onto the ANT A and ANT B connectors on the rear panel of the receiver. Position them vertically for best reception.

2. **Power the Receiver:** Connect the provided DC power adapter to the DC 12-18V input on the receiver's rear panel, then plug the adapter into a power outlet. Press the power button on the receiver's front panel to turn it on. The LCD display should illuminate.
3. **Install Microphone Batteries:** Unscrew the bottom cap of each handheld microphone to access the battery compartment. Insert two fresh AA batteries into each microphone, observing the correct polarity (+/-). Screw the cap back on.
4. **Power On Microphones:** Press and hold the power button on each handheld microphone until its display illuminates.
5. **IR Synchronization:**
 - On the receiver, select the desired channel (CH A or CH B) using the SET button.
 - Press the SET button again to initiate IR sync mode. The display will show "IR---".
 - Align the IR sensor on the handheld microphone with the IR sensor on the receiver (typically within 10-20 cm).
 - The microphone and receiver will automatically synchronize frequencies. The receiver's display will show "IR OK" and the microphone's display will show the synchronized frequency. Repeat for the second microphone on the other channel.

Note: Ensure each microphone is synced to a different channel (A and B) to avoid interference.

6. **Connect to Audio System:**
 - **For individual channel control:** Use XLR cables (not included) to connect the BALANCED A and BALANCED B outputs on the receiver to separate XLR inputs on your mixer or PA system.
 - **For mixed output:** Use the included 1/4" to 1/4" audio cable to connect the MIX OUT on the receiver to a 1/4" input on your mixer, amplifier, or powered speaker.
7. **Initial Volume Adjustment:** Set the volume controls on the receiver to a low level initially. Adjust the input gain on your mixer/PA system as needed, then fine-tune the receiver's volume controls.

OPERATING INSTRUCTIONS

Powering On/Off

- **Receiver:** Press the Power button on the front panel.
- **Microphones:** Press and hold the Power ON/OFF button on the microphone handle until the display turns on/off.

Adjusting Volume

Use the individual VOL MIN/MAX knobs on the receiver's front panel for Channel A and Channel B to adjust the output level of each microphone. It is recommended to set these to a moderate level and use your mixer/PA system for overall volume control.

Changing Frequencies

If you experience interference, you can change the operating frequency:

1. On the receiver, press the SET button for the desired channel (A or B).
2. The frequency will start flashing. Press the SET button repeatedly to cycle through available frequencies, or press and hold to scan for a clear frequency.
3. Once a new frequency is selected on the receiver, perform an IR synchronization with the corresponding microphone as described in the "Setup Instructions" section (Step 5).

Monitoring Battery Status

The LCD display on each handheld microphone shows the current battery level. Replace batteries when the indicator shows low power to avoid interruptions during use. Always use fresh AA batteries.

TROUBLESHOOTING

Problem	Possible Cause	Solution
No sound from microphone.	• Microphone or receiver is off. • Low or dead microphone batteries. • Microphone not synced to receiver. • Receiver not connected to audio system. • Volume levels too low.	• Ensure both microphone and receiver are powered on. • Replace microphone batteries. • Perform IR synchronization. • Check audio cable connections from receiver to mixer/PA. • Increase volume on receiver and mixer/PA.
Interference or static.	• Operating on a crowded frequency. • Obstructions between microphone and receiver. • Microphone too far from receiver. • External RF interference.	• Change to a different frequency using the SET button and re-sync. • Ensure clear line of sight between microphone and receiver antennas. • Reduce distance between microphone and receiver. • Avoid placing receiver near other wireless devices or strong electrical fields.
Low volume or weak signal.	• Low microphone battery. • Receiver volume set too low. • Antennas not properly positioned.	• Replace microphone batteries. • Increase receiver volume. • Ensure antennas are fully extended and positioned vertically.
Microphone display not working.	• Dead batteries. • Microphone not powered on.	• Replace batteries. • Press and hold the power button to turn on.

SPECIFICATIONS

Feature	Detail
Model Number	MU-MF5U2
Frequency Band	UHF 500-580 MHz (FCC-compliant)
Selectable Frequencies	100 per channel
Connectivity Technology	Infrared, UHF, XLR

Feature	Detail
Connector Type	6.35 mm Jack, XLR
Microphone Type	Dynamic, Handheld
Polar Pattern	Unidirectional
Transmission Power	18dBm (max)
Dynamic Range	>106dB
Audio Response	60Hz-14kHz
Power Source (Microphones)	Battery Powered (2x AA per mic)
Power Source (Receiver)	DC 12-18V Adapter
Compatible Devices	Amplifier, Audio Interface, Audio Mixer, Karaoke Machine, PA System

MAINTENANCE

- **Cleaning:** Use a soft, dry cloth to clean the receiver and microphones. Do not use liquid cleaners or solvents.
- **Battery Replacement:** Replace microphone batteries promptly when the low battery indicator appears. Remove batteries if the microphones will not be used for an extended period to prevent leakage.
- **Storage:** Store the system in a cool, dry place away from direct sunlight and extreme temperatures.
- **Antennas:** Handle antennas carefully to avoid bending or breaking.

SAFETY INFORMATION

- Do not expose the system to rain or moisture.
- Do not open the casing of the receiver or microphones; there are no user-serviceable parts inside.
- Use only the provided power adapter for the receiver.
- Keep out of reach of children.
- Dispose of used batteries responsibly according to local regulations.

WARRANTY AND SUPPORT

For warranty information or technical support, please refer to the contact information provided by your retailer or visit the official MUSYSIC website. Keep your purchase receipt as proof of purchase for any warranty claims.

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

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