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MIPRO ACT-5801/ACT-58H

MIPRO ACT-5801/ACT-58H Wireless Microphone System User Manual

ISM 5 GHz Single-Channel Digital Receiver with Handheld Microphone Transmitter

INTRODUCTION

Thank you for choosing the MIPRO ACT-5801/ACT-58H ISM 5 GHz Wireless Microphone System. This system is designed to provide high-quality, reliable audio transmission for various applications. This manual provides detailed instructions for the setup, operation, and maintenance of your new wireless microphone system. Please read this manual thoroughly before operating the equipment to ensure optimal performance and longevity.

SAFETY INFORMATION

- **Power Source:** Use only the specified power adapter for the receiver. Ensure the voltage matches the local power supply.
- **Water and Moisture:** Do not expose the system to rain, moisture, or any liquids. Avoid using near water sources.
- **Heat:** Keep the system away from heat sources such as radiators, heat registers, stoves, or other apparatus (including amplifiers) that produce heat.
- **Ventilation:** Ensure proper ventilation for the receiver. Do not block any ventilation openings.
- **Cleaning:** Clean only with a dry cloth. Do not use liquid cleaners or aerosol cleaners.
- **Servicing:** Refer all servicing to qualified service personnel. Do not attempt to service this product yourself.
- **Batteries:** Dispose of used batteries according to local regulations. Do not expose batteries to excessive heat.

PACKAGE CONTENTS

Please check that all the following items are included in your package:

- ACT-5801 Digital Receiver (1 unit)
- ACT-58H Handheld Microphone Transmitter (1 unit)
- Power Adapter for Receiver (1 unit)
- Audio Cable (XLR to 1/4" Jack) (1 unit)
- User Manual (this document)

COMPONENT IDENTIFICATION

ACT-5801 Receiver

The ACT-5801 receiver is a 1/2U single-channel unit. Key components include:

- **Front Panel:** Power button, LCD display, Channel/Frequency selection buttons, Volume control, ACT sync button.
- **Rear Panel:** DC power input, Antenna connectors (BNC), Balanced XLR audio output, Unbalanced 1/4" audio output.

ACT-58H Handheld Microphone Transmitter

The ACT-58H handheld transmitter features:

- **Microphone Head:** Integrated condenser capsule.
- **Body:** Power switch, Battery compartment, LCD display (for channel/battery status), ACT sync window.

SETUP

1. Receiver Setup

1. **Placement:** Position the ACT-5801 receiver in a clear, open area, away from potential interference sources (e.g., Wi-Fi routers, other 5 GHz devices).
2. **Antenna Connection:** Connect the supplied antennas to the BNC connectors on the rear panel of the receiver. Ensure they are securely tightened and positioned vertically for optimal reception.
3. **Power Connection:** Connect the power adapter to the DC input on the receiver's rear panel, then plug the adapter into an AC power outlet.
4. **Audio Output:** Connect the receiver's audio output (XLR or 1/4" jack) to the input of your mixer, amplifier, or audio interface using the provided audio cable or a suitable alternative.

2. Transmitter Setup (ACT-58H)

1. **Battery Installation:** Unscrew the lower part of the ACT-58H handheld microphone to reveal the battery compartment. Insert two fresh AA batteries, observing the correct polarity (+/-). Replace the cover.
2. **Power On:** Slide the power switch to the "ON" position. The LCD display will illuminate, showing battery status and current channel.

3. Synchronization (ACT Sync)

To establish a wireless connection, the receiver and transmitter must be on the same frequency channel. Use the ACT (Automatic Channel Targeting) sync function for quick setup:

1. **Power On Receiver:** Turn on the ACT-5801 receiver.
2. **Select Channel:** On the receiver, use the channel selection buttons to choose a desired operating frequency. The receiver will automatically scan for a clear channel.
3. **Prepare Transmitter:** Turn on the ACT-58H transmitter.
4. **Initiate Sync:** Press and hold the "ACT" button on the receiver. The receiver's display will show "ACT" or a similar indicator.
5. **Align IR Windows:** Position the IR sync window of the ACT-58H transmitter (usually near the bottom of the display) directly facing the IR sync window on the receiver's front panel (typically next to the ACT button). Keep them within a few centimeters.
6. **Confirm Sync:** The transmitter's display will flash and then show the synchronized channel. The receiver's display will also confirm the successful sync.

7. **Test Audio:** Speak into the microphone and observe the audio level indicators on the receiver and your mixer/amplifier to confirm signal presence.

OPERATING

Basic Operation

- **Power On/Off:** Use the dedicated power buttons on both the receiver and transmitter. Always power on the receiver first, then the transmitter. Power off the transmitter first, then the receiver.
- **Volume Control:** Adjust the output volume of the receiver using the volume knob on its front panel. Fine-tune the overall audio level on your connected mixer or amplifier.
- **Monitoring:** Monitor the receiver's LCD display for signal strength (RF) and audio level (AF) indicators. Ensure stable RF and avoid clipping on AF.
- **Microphone Technique:** Hold the handheld microphone approximately 2-6 inches (5-15 cm) from your mouth for optimal sound quality. Avoid covering the microphone grille with your hand.

Channel Selection

If you experience interference, you may need to change the operating channel:

1. On the receiver, press the channel selection buttons to cycle through available frequencies or initiate an auto-scan function (if available).
2. Once a clear channel is selected on the receiver, perform the ACT sync procedure again to match the transmitter to the new frequency.

MAINTENANCE

- **Cleaning:** Use a soft, dry cloth to clean the exterior surfaces of both the receiver and transmitter. Do not use abrasive cleaners or solvents.
- **Battery Care:** Remove batteries from the transmitter if it will not be used for an extended period to prevent leakage. Always use high-quality alkaline or rechargeable batteries.
- **Storage:** Store the system in a cool, dry place, away from direct sunlight and extreme temperatures.
- **Antennas:** Handle antennas carefully. Avoid bending or stressing them excessively.

TROUBLESHOOTING

Problem	Possible Cause	Solution
No sound output.	Receiver or transmitter not powered on. Transmitter batteries dead. Receiver not connected to mixer/amplifier. Incorrect channel/frequency. Receiver volume too low.	Ensure both units are powered on. Replace transmitter batteries. Check audio cable connections. Perform ACT sync again. Increase receiver volume.

Problem	Possible Cause	Solution
Intermittent signal or static.	Interference from other 5 GHz devices. Transmitter too far from receiver. Obstructions between units. Low transmitter battery.	Change operating channel and re-sync. Reduce distance between transmitter and receiver. Ensure line-of-sight. Replace transmitter batteries.
Low audio level.	Receiver volume too low. Microphone gain setting (if adjustable) too low. Incorrect microphone technique.	Increase receiver volume. Check microphone gain settings on transmitter (if applicable) or mixer. Speak closer to the microphone.

SPECIFICATIONS

Model	ACT-5801 (Receiver) / ACT-58H (Transmitter)
Frequency Range	ISM 5 GHz band
Receiver Type	1/2U Single-Channel Digital Receiver
Transmitter Type	Digital Handheld Wireless Microphone
Material Type	Metal
Item Weight	6 pounds (System total, approximate)
ASIN	B08QRSRTX9

WARRANTY AND SUPPORT

MIPRO products are manufactured to the highest quality standards. For warranty information and technical support, please refer to the warranty card included with your product or visit the official MIPRO website.

Keep your proof of purchase for warranty claims.

For further assistance, please contact your local MIPRO distributor or authorized service center.