

Mipro ACT-311B / ACT32H

Mipro ACT-311B / ACT32H Wireless System User Manual

Single-Channel UHF Receiver and Handheld Transmitter Microphone

PRODUCT OVERVIEW

The Mipro ACT-311B is a single-channel analog UHF receiver designed for optimal radio reception, paired with the ACT32H handheld transmitter microphone. This system operates within the 823-832 MHz frequency range, offering 112 selectable channels across 10 groups, plus a customizable group. Its robust design and user-friendly features make it suitable for various professional audio applications.



Figure 1: Mipro ACT-311B Receiver and ACT32H Handheld Microphone System.

PACKAGE CONTENTS

- Mipro ACT-311B Single-Channel Receiver
- ACT32H Handheld Transmitter Microphone
- External Switching Power Supply

SETUP INSTRUCTIONS

1. Receiver Placement and Connection (ACT-311B)

Place the ACT-311B receiver on a stable, flat surface. Ensure adequate ventilation around the unit. Connect the external switching power supply to the receiver's power input and then to a suitable power outlet.



Figure 2: Front view of the Mipro ACT-311B Receiver, showing the display and controls.

Connect the TNC antenna connectors to the rear of the receiver. For optimal reception, position the antennas vertically and away from metal obstructions. Use XLR balanced or 6.3mm unbalanced jack connections for audio output to your mixer or amplifier.

2. Handheld Transmitter Setup (ACT32H)

The ACT32H handheld microphone operates on 2 AA batteries. Open the battery compartment, insert the batteries with correct polarity, and close the compartment securely. Ensure the microphone's power switch is in the OFF position before inserting batteries.



Figure 3: Mipro ACT32H Handheld Microphone, showing the display and power switch.

OPERATING INSTRUCTIONS

1. Powering On

First, power on the ACT-311B receiver using the power button on the front panel. The backlit LCD will illuminate, displaying current settings. Next, slide the power switch on the ACT32H handheld microphone to the ON position.

2. Frequency Synchronization (ACT Function)

The ACT (Automatic Channel Targeting) function allows for precise and rapid frequency synchronization between the receiver and transmitter.

1. On the ACT-311B receiver, select the desired channel group and channel using the control buttons. The LCD will show the selected group (GRP) and channel (CH).

2. Press the **ACT** button on the receiver. The display will prompt for synchronization.
3. Align the IR port of the ACT32H microphone with the IR sensor on the receiver (usually near the ACT button).
4. The receiver will transmit the frequency information to the microphone, and the microphone's LCD will update to match. A successful synchronization will be indicated on both devices.



Figure 4: Close-up view of the Mipro ACT-311B Receiver's LCD display, showing channel, group, frequency, and battery indicators.

3. Monitoring and Adjustments

The receiver's LCD displays radio signal level, audio level, and the transmitter's battery level. Monitor these indicators during operation. An alert indicator will appear if signal disturbance occurs. The receiver features dual Squelch settings for NoiseLock and Piloton to ensure clear audio transmission.

The ACT32H microphone also has an LCD displaying battery status, group, and channel. Ensure the microphone's power switch is locked during use to prevent accidental power-off.

MAINTENANCE

- **Cleaning:** Use a soft, dry cloth to clean the surfaces of the receiver and microphone. Do not use liquid cleaners or abrasive materials.
- **Battery Replacement:** Replace the AA batteries in the ACT32H microphone when the battery indicator on either the microphone or receiver shows low power. Always use fresh, high-quality batteries.
- **Storage:** When not in use for extended periods, remove batteries from the microphone and store the system in a cool, dry place, away from direct sunlight and extreme temperatures.
- **Antenna Care:** Handle the receiver antennas carefully to prevent bending or damage.

TROUBLESHOOTING

Problem	Possible Cause	Solution
No sound from receiver	Microphone not powered on. Incorrect frequency synchronization. Low microphone battery. Audio cables disconnected.	Ensure ACT32H is powered on. Perform ACT synchronization again. Replace ACT32H batteries. Check audio cable connections to mixer/amplifier.
Intermittent signal / Static	Interference from other devices. Antennas improperly positioned. Transmitter too far from receiver. Squelch setting too low.	Change channel group/channel. Adjust antenna position. Reduce distance between transmitter and receiver. Increase Squelch level.

Problem	Possible Cause	Solution
Receiver LCD not lighting up	Power supply not connected or faulty. Receiver not powered on.	Check power supply connection and outlet. Press the receiver's power button.

SPECIFICATIONS

Mipro ACT-311B Receiver

- **Frequency Range:** 823-832 MHz
- **Bandwidth:** 24 MHz
- **Antennas:** Diversity
- **Connections:** Balanced XLR and unbalanced 6.3 mm jack
- **Power Supply:** External switching power supply
- **Dimensions (W x H x D):** 210 x 44 x 180 mm
- **Weight:** Approximately 0.8 kg
- **Channels:** 112 selectable channels in 10 groups + 1 custom group (up to 8 programmable channels)
- **Display:** Backlit LCD
- **Housing:** Robust metal, EIA standard compliant

Mipro ACT32H Handheld Transmitter Microphone

- **Frequency Range:** 823-832 MHz
- **Housing:** Solid plastic
- **Power:** 2 AA batteries
- **Capsule:** Condenser with cardioid characteristic
- **Features:** Interchangeable head system, clear sound, LCD display (battery status, group, channel), lockable on/off switch


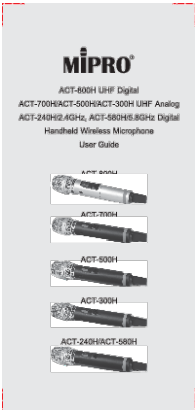

WARRANTY INFORMATION

This Mipro product is covered by a manufacturer's warranty. Please refer to the warranty card included with your product or contact your local Mipro distributor for specific terms and conditions regarding warranty coverage and service.

SUPPORT

For technical assistance, troubleshooting beyond this manual, or service inquiries, please contact your authorized Mipro dealer or visit the official Mipro website for support resources and contact information.



	<p>MIPRO ACT-800H/700H/500H/580H/240H Handheld Wireless Microphone User Guide</p> <p>Comprehensive user guide for MIPRO ACT-800H, ACT-700H, ACT-500H, ACT-580H, and ACT-240H handheld wireless microphones. Covers parts identification, battery insertion and charging, operating instructions, LCD details, error codes, cautions, and regulatory information.</p>
	<p>MIPRO ACT-800H UHF Digital Handheld Wireless Microphone User Guide</p> <p>Comprehensive user guide for the MIPRO ACT-800H UHF Digital Handheld Wireless Microphone, covering part names, battery insertion and replacement, operating instructions, LCD display information, cautions, and error codes.</p>
	<p>MIPRO ACT Series Handheld Wireless Microphone User Guide</p> <p>Comprehensive user guide for MIPRO ACT-800H, ACT-700H, ACT-500H, ACT-300H, ACT-240H, and ACT-580H handheld wireless microphones, covering setup, operation, features, and troubleshooting.</p>
	<p>MIPRO ACT Series Handheld Wireless Microphone User Guide</p> <p>Comprehensive user guide for MIPRO ACT series handheld wireless microphones, covering setup, operation, battery management, and troubleshooting for models like ACT-800H, ACT-700H, ACT-500H, ACT-300H, ACT-240H, and ACT-580H.</p>
	<p>MIPRO MR-823 / MH-80 / MT-801 / MT-801a UHF Dual-Channel Diversity Wireless Microphone System User Guide</p> <p>This user guide provides comprehensive instructions for setting up, operating, and maintaining the MIPRO MR-823, MH-80, and MT-801/MT-801a wireless microphone systems. Learn about parts identification, installation, operating tips, and important safety precautions for optimal performance.</p>
	<p>MIPRO ACT-32T Professional Pocket Transmitter User Manual</p> <p>This manual provides detailed instructions for the MIPRO ACT-32T Professional Pocket Transmitter, covering safety precautions, product features, operation, technical specifications, and troubleshooting.</p>

