

## AUDIX AP62OM5

# Audix AP62 OM5 Dual Handheld Wireless Microphone System

## USER MANUAL

Model: AP62OM5 | Brand: AUDIX

### 1. Introduction

This manual provides comprehensive instructions for the setup, operation, maintenance, and troubleshooting of your Audix AP62 OM5 Dual Handheld Wireless Microphone System. This system is designed for professional audio applications, offering reliable wireless performance with two OM5 handheld transmitters and an R62 two-channel diversity receiver.



Figure 1: Audix AP62 OM5 Dual Handheld Wireless Microphone System components, including the R62 receiver unit with antennas and two OM5 handheld microphones.

## 2. Setup

### 2.1 Unpacking and Inspection

Carefully unpack all components and inspect them for any signs of damage. Retain the packaging for future storage or transport. The system includes:

- 1 x Audix R62 Two-channel Diversity Receiver
- 2 x Audix OM5 Handheld Transmitters
- 2 x Receiver Antennas
- 1 x Power Supply for Receiver
- 1 x Padded Carrying Case

### 2.2 Receiver Connection

1. Place the R62 receiver on a stable surface, away from potential sources of interference (e.g., Wi-Fi routers, other wireless devices).
2. Attach the two included antennas to the antenna connectors on the rear of the receiver. Ensure they are securely tightened.
3. Connect the supplied power adapter to the DC input on the rear of the receiver and plug it into a suitable AC power outlet.
4. Connect the audio outputs (XLR or 1/4" jack) from the receiver to your mixer, PA system, or recording device.

### 2.3 Transmitter Battery Installation

Each OM5 handheld transmitter requires two AA batteries (not included). For optimal performance, use high-quality alkaline or rechargeable batteries.

1. Unscrew the bottom cap of the OM5 handheld microphone to reveal the battery compartment.
2. Insert two AA batteries, observing the correct polarity (+/-) as indicated inside the compartment.
3. Screw the bottom cap back on securely.

### 2.4 System Synchronization (SYNC)

To establish communication between the receiver and transmitters, they must be synchronized.

1. Power on the R62 receiver by pressing the power button on the front panel.
2. Power on one of the OM5 handheld transmitters by pressing and holding its power button.
3. On the receiver, press the "SYNC" button for the desired channel (Channel 1 or Channel 2). The SYNC indicator will flash.
4. Hold the OM5 transmitter with its IR window facing the IR sensor on the receiver (located near the SYNC button for each channel).
5. The SYNC indicator on the receiver will stop flashing and remain solid when synchronization is complete. The transmitter's display will show the synchronized frequency.
6. Repeat the process for the second OM5 handheld transmitter.

## 3. Operating Instructions

### 3.1 Powering On/Off

- **Receiver:** Press the power button on the front panel.
- **Transmitters:** Press and hold the power button on the handheld microphone. To power off, press and hold the power button again until the display turns off.

### 3.2 Channel and Frequency Selection

The R62 receiver automatically selects optimal frequencies during synchronization. However, you can manually adjust channels if interference is encountered.

- On the receiver, use the "SET" button and navigation buttons (if available, based on model variant) to browse and select alternative channels for each receiver channel.
- After selecting a new channel on the receiver, you must re-synchronize the corresponding transmitter using the SYNC process described in Section 2.4.

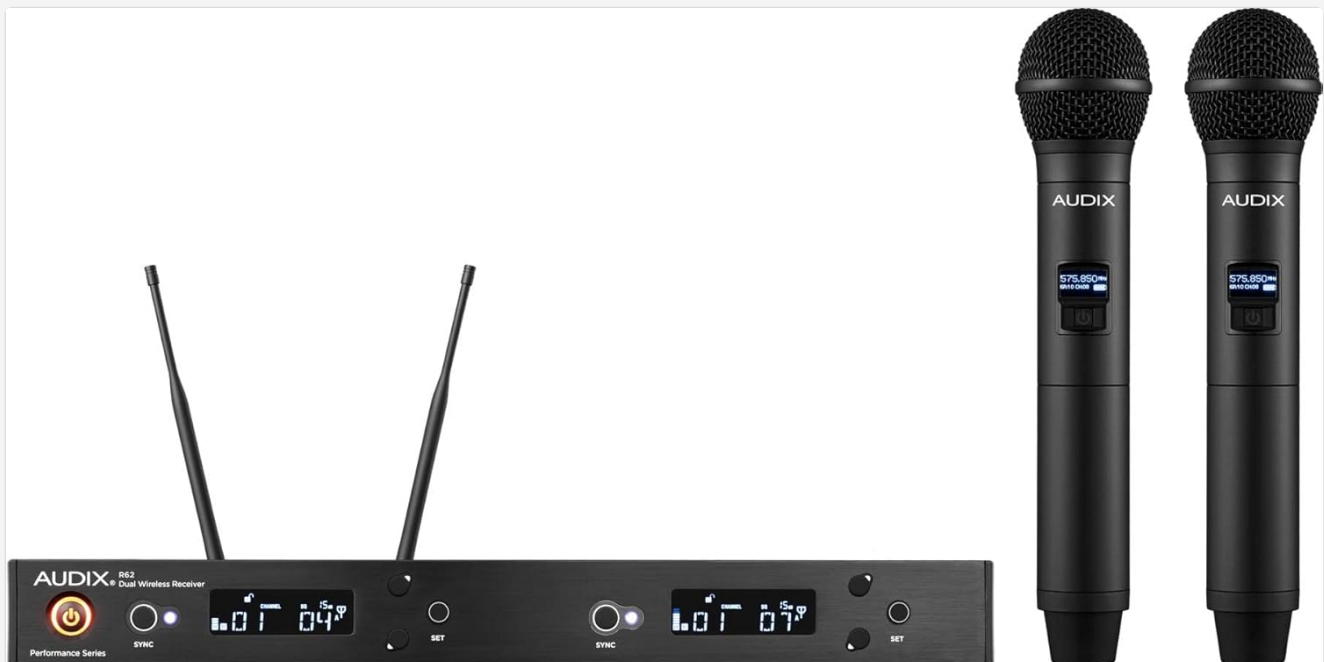


Figure 2: Example of the OM5 handheld microphone display, showing frequency (e.g., 575.850 MHz) and channel information.

### 3.3 Audio Level Adjustment

Adjust the output level of the receiver using the volume controls on the front panel. Fine-tune the microphone input gain on your mixer or PA system for optimal sound quality and to prevent clipping.

### 3.4 Usage Tips

- Maintain a clear line of sight between the receiver antennas and the transmitters for best performance.
- Avoid placing the receiver near large metal objects or other wireless devices that could cause interference.
- Regularly check the battery indicator on the transmitters and replace batteries when low to avoid unexpected power loss during use.
- For optimal vocal performance, hold the microphone approximately 1-6 inches from your mouth.

## 4. Maintenance

### 4.1 Cleaning

- Wipe the receiver and transmitters with a soft, dry cloth.
- For stubborn dirt, a slightly damp cloth can be used, followed by immediate drying.
- Do not use abrasive cleaners, solvents, or harsh chemicals, as these can damage the finish and internal

components.

- Periodically clean the microphone grille to remove debris.

## 4.2 Battery Replacement

Replace batteries in the handheld transmitters as soon as the low battery indicator appears. Always dispose of used batteries responsibly according to local regulations.

## 4.3 Storage

When not in use, store the system in its padded carrying case in a cool, dry place, away from extreme temperatures and humidity. Remove batteries from transmitters if storing for extended periods to prevent leakage.

## 5. Troubleshooting

Problem	Possible Cause	Solution
No sound from microphone.	<ul style="list-style-type: none"><li>• Transmitter not powered on.</li><li>• Batteries dead in transmitter.</li><li>• Transmitter not synchronized with receiver.</li><li>• Receiver not powered on or connected to audio system.</li><li>• Audio cables faulty or incorrectly connected.</li></ul>	<ul style="list-style-type: none"><li>• Ensure transmitter is powered on.</li><li>• Replace batteries.</li><li>• Perform SYNC procedure (Section 2.4).</li><li>• Check receiver power and audio connections.</li><li>• Test/replace audio cables.</li></ul>
Interference or dropouts.	<ul style="list-style-type: none"><li>• Other wireless devices operating on same frequency.</li><li>• Obstructions between transmitter and receiver.</li><li>• Receiver too far from transmitter.</li></ul>	<ul style="list-style-type: none"><li>• Change receiver channel and re-sync transmitter.</li><li>• Relocate receiver for better line of sight.</li><li>• Reduce distance between transmitter and receiver.</li></ul>
Low audio quality/distortion.	<ul style="list-style-type: none"><li>• Incorrect gain settings on receiver or mixer.</li><li>• Low transmitter battery.</li></ul>	<ul style="list-style-type: none"><li>• Adjust receiver output level and mixer input gain.</li><li>• Replace transmitter batteries.</li></ul>

## 6. Specifications

Feature	Detail
Model Number	AP62OM5
Microphone Form Factor	Microphone System (Handheld)
Number of Channels	4 (Receiver is 2-channel, but system supports 4 channels total)
Connectivity Technology	Wireless
Polar Pattern (OM5)	Unidirectional
Audio Sensitivity (OM5)	144 dB
Power Source	Corded Electric (Receiver), Battery (Transmitters)

Feature	Detail
Material	Plastic, Metal
Product Dimensions (Receiver)	1.7 x 8.1 x 1.7 inches (approximate, based on R41 spec)
Item Weight (System)	89.6 pounds (Note: This weight seems unusually high for a microphone system and might be a data error. Please refer to official product documentation for accurate weight.)
Included Components	Audix R62 Two-channel Diversity Receiver, Two OM5 Handheld Transmitters, Antennas, Power Supply

*Note: Specifications are subject to change without notice. For the most current information, please refer to the official Audix website.*

## 7. Warranty and Support

Audix products are manufactured to the highest quality standards. This product is covered by a limited warranty against defects in materials and workmanship. For specific warranty terms and conditions, please refer to the warranty card included with your product or visit the official Audix website.

For technical support, service, or replacement parts, please contact Audix customer service or your authorized Audix dealer. When contacting support, please have your product model number (AP62OM5) and serial number ready.

**Online Resources:** [www.audixusa.com](http://www.audixusa.com)

