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› [innopow WM200 Dual UHF Wireless Microphone System Instruction Manual](#)

innopow WM200

innopow WM200 Dual UHF Wireless Microphone System

Instruction Manual

1. INTRODUCTION

Thank you for choosing the innopow WM200 Dual UHF Wireless Microphone System. This system is designed to provide clear and reliable audio transmission for various applications, including karaoke, public speaking, family events, and church services. Featuring two handheld microphones and a robust receiver, the WM200 offers a working range of 150-200 feet in open areas and a long battery life of 14-17 hours. Please read this manual carefully to ensure proper setup and operation of your new wireless microphone system.



Figure 1.1: innopow WM200 Dual UHF Wireless Microphone System. This image displays the complete innopow WM200 wireless microphone system, including the main receiver unit and two handheld wireless microphones.

2. PACKAGE CONTENTS

Please check the package contents to ensure all items are present:

- 1 x Wireless Receiver (WM200)
- 2 x Handheld Wireless Microphones
- 2 x Antennas
- 1 x Power Adapter
- 1 x 1/4" Audio Cable
- 4 x AA Batteries (included for initial use)

3. COMPONENTS OVERVIEW

3.1 Receiver Front Panel



Figure 3.1: Receiver Front Panel. Detailed view of the receiver's front panel, highlighting the LCD display for frequency channels, AF (Audio Frequency) and RF (Radio Frequency) signal indicators, individual volume controls for each microphone, and the main power switch.

- **LCD Display:** Shows frequency channel numbers for Microphone A and B.
- **AF Indicator:** Audio Frequency Signal indicator. Lights up when audio signal is received.
- **RF Indicator:** Radio Frequency Signal indicator. Lights up when the microphone is connected and transmitting.
- **Volume Knobs (Volume A & Volume B):** Individual controls for adjusting the output volume of each microphone.
- **Power Switch:** Turns the receiver ON or OFF.

3.2 Receiver Back Panel



Figure 3.2: Receiver Back Panel. Detailed view of the receiver's rear panel, indicating the 1/4-inch mixed output, individual XLR outputs for each channel, BNC antenna jacks, and the DC power input.

- **MIX OUTPUT (1/4"):** Combines the audio output of both microphones into a single 1/4" jack.
- **AF OUTPUT (XLR):** Individual XLR outputs for Microphone A and Microphone B.
- **ANTENNA BNC Jack:** Connect the included BNC antennas for optimal signal reception.
- **DC Power Plug:** Connect the provided power adapter here.
- **Rack Mount Connector:** For connecting to a 19" rack mount (optional accessory).

3.3 Handheld Microphone

A16 Mic Head: Upgrade Your Voice with Exceptional Clarity



Figure 3.3: Handheld Microphone Details. Close-up of one handheld microphone, illustrating the A16 microphone head design, the low battery indicator on the display, and the power ON/OFF switch.

- **Microphone Head (A16):** Unidirectional neodymium dynamic cartridge for clear sound pickup. Features an internal sound-absorbing sponge.
- **LCD Display:** Shows channel number and battery status.
- **ON/OFF Switch:** Powers the microphone ON or OFF.
- **Battery Compartment:** Located at the bottom of the microphone, holds 2 AA batteries.

4. SETUP INSTRUCTIONS

Follow these steps to set up your innopow WM200 wireless microphone system:

1. **Connect Antennas:** Screw the two included antennas onto the BNC jacks on the back of the receiver.
2. **Power the Receiver:** Connect the power adapter to the DC Power Plug on the receiver and plug it into a power outlet.

3. Connect to Audio System:

- For a mixed output, use the 1/4" audio cable to connect the receiver's MIX OUTPUT to an input on your audio mixer or amplifier.
- For individual microphone control, use XLR cables (not included) to connect the receiver's AF OUTPUT (XLR) for Channel A and Channel B to separate XLR inputs on your audio mixer.

4. **Install Microphone Batteries:** Unscrew the bottom part of each handheld microphone to access the battery compartment. Insert 2 AA alkaline batteries into each microphone, ensuring correct polarity.

5. **Power On Receiver:** Press the Power Switch on the receiver's front panel. The LCD display should light up.

6. **Power On Microphones:** Slide the ON/OFF switch on each handheld microphone to the "ON" position. The microphone's LCD display should light up, and the RF indicator on the receiver for that channel should illuminate.

7. **Adjust Volume:** Start with the Volume A and Volume B knobs on the receiver at a low setting. Gradually increase the volume on your audio mixer/amplifier and then fine-tune the individual microphone volumes on the receiver.

How to Connect TV SET UP Home Karaoke

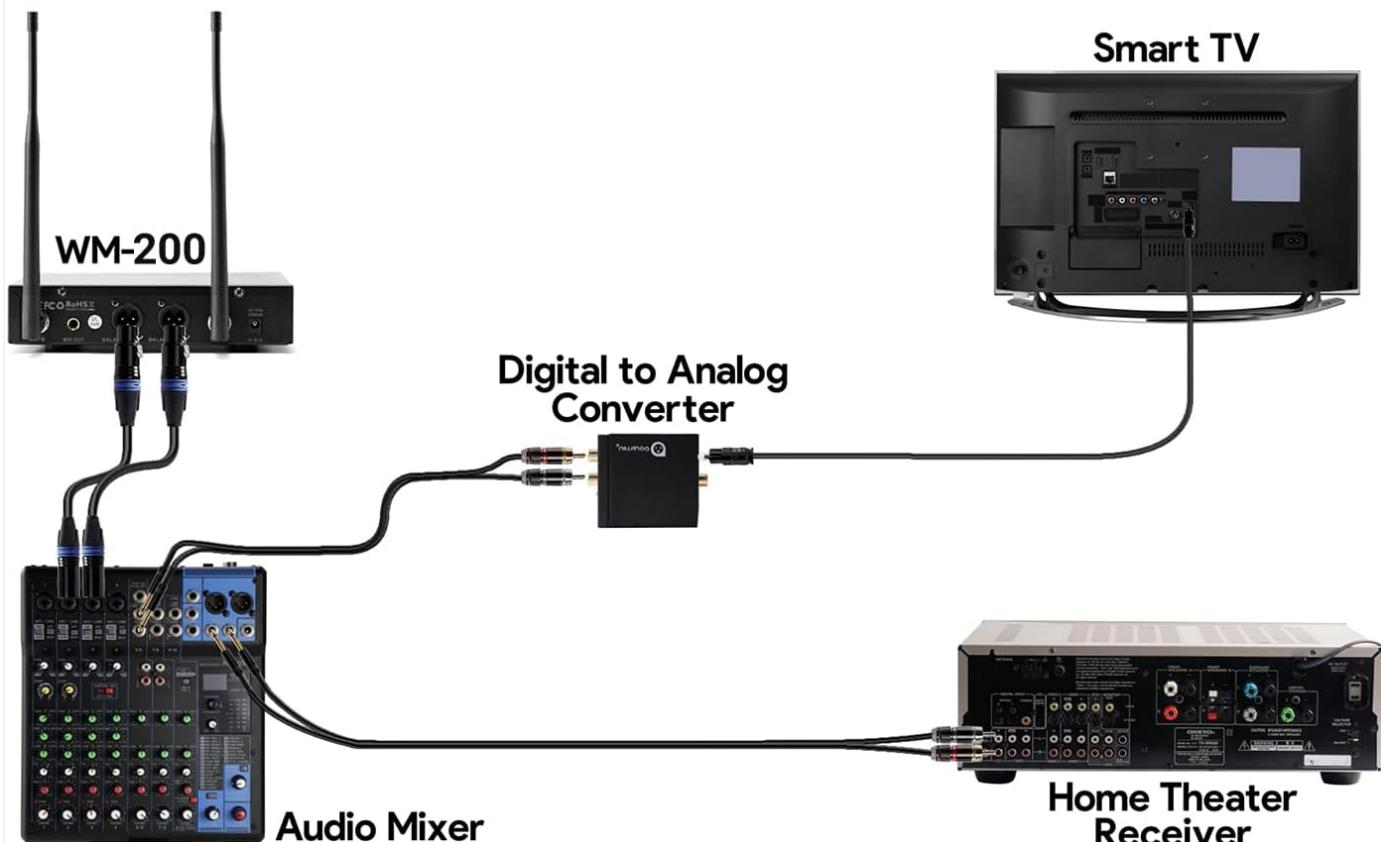


Figure 4.1: Connection Diagram for Home Karaoke. An illustrative diagram demonstrating the connection process for setting up the wireless microphone system with a Smart TV, an audio mixer, and a home theater receiver for a home karaoke setup, utilizing a digital to analog converter.

5. OPERATING INSTRUCTIONS

5.1 Basic Operation

- Power On/Off:** Use the power switches on the receiver and microphones as described in the setup section.

- **Volume Control:** Adjust the individual volume knobs (Volume A, Volume B) on the receiver to balance the microphone levels. Further adjustments can be made on your connected audio mixer or amplifier.
- **Speaking/Singing:** Hold the microphone approximately 2-6 inches from your mouth for optimal sound pickup.

5.2 Range and Performance

The innopow WM200 system provides a working range of 150-200 feet (approximately 45-60 meters) in wide-open areas. Obstacles such as walls, metal structures, and other electronic devices can reduce this range. Ensure a clear line of sight between the microphones and the receiver's antennas for best performance.



Figure 5.1: Wireless Range Illustration. This diagram visually represents the effective working range of the wireless microphone system, showing signal strength at distances up to 200 feet.

5.3 Fixed Frequency Operation

This system operates on fixed UHF frequencies (CH.01 & CH.02). This means the frequencies cannot be changed. Due to this design, it is important to note the following:

- **Single System Use:** Only one innopow WM200 system (CH.01&02) can be used at the same location and time to avoid interference.
- **No Mute Feature:** The microphones do not have a dedicated mute button. To temporarily stop audio transmission, you must turn the microphone OFF using its power switch.

6. MAINTENANCE

6.1 Battery Replacement

Each handheld microphone requires two AA alkaline batteries. The system provides 14-17 hours of continuous use with fresh batteries. When the microphone's LCD display shows a low battery indicator, replace the batteries promptly to ensure uninterrupted performance.

- Unscrew the bottom cap of the microphone.
- Remove the old batteries and dispose of them responsibly.
- Insert two new AA alkaline batteries, observing the correct polarity (+/-).
- Screw the bottom cap back on securely.

6.2 Cleaning

To maintain the appearance and functionality of your system:

- Wipe the receiver and microphones with a soft, dry cloth.
- Do not use abrasive cleaners, solvents, or harsh chemicals.
- Avoid getting moisture into any openings.

6.3 Storage

When not in use for extended periods, store the system in a cool, dry place. Remove batteries from the microphones to prevent leakage and damage.

7. TROUBLESHOOTING

If you encounter issues with your innopow WM200 system, please refer to the following common problems and solutions:

Problem	Possible Cause	Solution
No sound from microphones.	Receiver or microphone not powered on. Low or dead microphone batteries. Cables not connected properly. Receiver volume knobs set too low. Audio mixer/amplifier input volume too low.	Ensure both receiver and microphones are powered ON. Replace microphone batteries. Check all audio and power cable connections. Increase Volume A/B on the receiver. Increase input volume on your audio mixer/amplifier.

Problem	Possible Cause	Solution
Intermittent sound or dropouts.	Microphone out of range. Obstructions between microphone and receiver. Interference from other wireless devices. Low microphone batteries.	Move closer to the receiver. Ensure a clear line of sight to the receiver antennas. Turn off other wireless devices operating on similar frequencies. Replace microphone batteries.
Poor sound quality (distortion, static).	Microphone too close to mouth or input overloaded. Receiver or microphone volume set too high. Weak signal.	Adjust microphone distance from mouth. Lower Volume A/B on the receiver or input gain on your mixer. Ensure antennas are properly connected and positioned.
Multiple innopow WM200 systems causing interference.	Fixed frequency conflict.	The WM200 (CH.01&02) operates on fixed frequencies. Only one WM200 system can be used at the same time and location. If you require multiple wireless microphone systems, consider models with different fixed frequencies (e.g., CH.03&04) or frequency-agile systems.

8. SPECIFICATIONS

Model	WM200
Brand	innopow
System Type	Dual UHF Wireless Microphone System
Microphone Form Factor	Handheld
Material	Metal
Working Range	150-200 feet (open area)
Battery Life	14-17 Hours (with AA alkaline batteries)

Microphone Battery Type	2 x AA Alkaline batteries per microphone (4 total included)
Frequency Type	Fixed Frequency (CH.01 & CH.02)
Frequency Response	Up to 20 KHz
Polar Pattern	Unidirectional
Connectivity Technology	XLR, 1/4" (Receiver outputs)
Compatible Devices	Audio Mixer, Amplifier, Karaoke Machine
Item Weight	5 pounds (total package)
Package Dimensions	17.52 x 12.2 x 3.31 inches
UPC	641938789669, 641938789850

9. SAFETY INFORMATION

- Do not expose the system to rain or moisture.
- Do not disassemble the unit. Refer all servicing to qualified personnel.
- Use only the provided power adapter.
- Keep batteries away from children. Dispose of used batteries according to local regulations.
- Avoid placing the receiver near strong electromagnetic fields or other wireless transmitting devices to prevent interference.
- Do not block ventilation openings on the receiver.

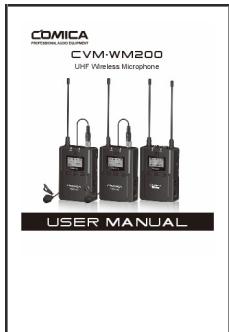
10. WARRANTY AND SUPPORT

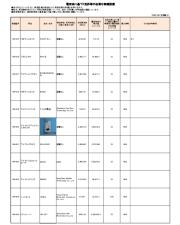
For warranty information or technical support, please contact innopow customer service. Details can typically be found on the innopow official website or through your purchase platform. Please retain your proof of purchase for warranty claims.



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Related Documents - WM200

	<p>COMICA CVM-WM200 UHF Wireless Microphone User Manual</p> <p>Comprehensive user manual for the COMICA CVM-WM200 UHF Wireless Microphone system. Learn about main features, package contents, components, installation, usage, and button functions.</p>
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	<p>FULAIM WM200 Wireless Microphone System User Manual</p> <p>User manual and guide for the FULAIM WM200 Wireless Microphone System, covering setup, specifications, usage, and precautions for interviews, video recording, and live streaming.</p>
	<p>Extreme Networks Summit WM Series WLAN Switch & Altitude AP Software User Guide</p> <p>Comprehensive user guide for Extreme Networks' Summit WM Series WLAN Switches and Altitude Access Points, covering installation, configuration, management, and maintenance of wireless network solutions.</p>
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	<p>West Marine WM200 VHF Handheld Marine Transceiver</p> <p>Overview of the West Marine WM200, a durable VHF handheld marine transceiver designed for reliable communication at sea. Features include scanning, alert functions, and clear audio.</p>