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## innopow WM-333

# innopow WM-333 200-Channel Dual UHF Wireless Microphone System

User Manual

## 1. INTRODUCTION

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This manual provides comprehensive instructions for the setup, operation, and maintenance of your innopow WM-333 200-Channel Dual UHF Wireless Microphone System. Please read this manual thoroughly before using the product to ensure proper functionality and to maximize your user experience. This system is designed for applications such as karaoke, singing, public speaking, and church events, offering reliable wireless audio transmission.

## 2. PACKAGE CONTENTS

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Please verify that all items listed below are included in your package:

- 1 x Wireless Receiver Unit
- 2 x Handheld Wireless Microphones
- 2 x Antennas
- 1 x Power Adapter
- 1 x 1/4" Audio Cable



Image: innopow WM-333 Wireless Microphone System, showing the receiver and two handheld microphones.

## 3. PRODUCT OVERVIEW

### 3.1 Receiver Unit

The receiver unit features controls for power, individual microphone volume, and buttons for menu navigation and frequency adjustment (ADD). An IR sensor is present for syncing microphones. The display shows channel, group, and frequency information for both Mic A and Mic B.

### 3.2 Handheld Microphones

Each handheld microphone is constructed with a durable metal body and features an A18 voice mic head for clear audio capture. A power/mute switch is located on the microphone body, along with a battery indicator display. Each microphone operates on 4 AA batteries.

# PERFORM WITH CONFIDENCE

TO 15 HOURS OF BATTERY LIFE



Windscreen inside



Metal Housing



Battery Indicator



ON/OFF/MUTE Switch

Image: Detailed view of a handheld microphone, highlighting its features such as the windscreen, metal housing, battery indicator, and power/mute switch.

# PREMIUM AUDIO A18 VOICE MIC HEAD



Image: Close-up of the A18 voice mic head, designed for premium audio capture.

## 4. SETUP INSTRUCTIONS

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1. **Connect Antennas:** Connect the two antennas to the BNC connectors on the rear of the receiver. Ensure they are securely twisted into place.
2. **Power Connection:** Connect the power adapter to the DC IN port on the receiver and plug it into a power outlet.
3. **Audio Output:** For audio output, connect the receiver to your audio mixer or amplifier using either the individual XLR outputs for Mic A and Mic B, or the mixed 1/4" output.
4. **Microphone Batteries:** Install 4 AA batteries into each handheld microphone. Observe correct polarity.
5. **Power On:** Power on the receiver and then the microphones.
6. **System Connection Diagram:** Refer to the diagram below for a typical setup connecting the wireless microphone system to a TV, digital to analog converter, audio mixer, and home theater receiver.



Image: Connection diagram illustrating how to integrate the WM-333 system into a home karaoke setup with various audio components.

# DEPENDABLE SIGNAL

UP to 260ft  
Line of Sight



Image: Visual representation of the system's reliable signal range, capable of reaching up to 260 feet line of sight.

## 5. OPERATING INSTRUCTIONS

### 5.1 Power On/Off

Press the power button on the receiver to turn it on or off. For microphones, use the ON/OFF/MUTE switch located on the microphone body.

### 5.2 Automatic Frequency Scan

To find the clearest available frequency, press the 'MENU' button on the receiver to access the auto-scan function. The system will automatically search for and select an optimal frequency from 100 selectable channels for each microphone. Once a frequency is selected, use the IR sync function to pair the microphone with the receiver by aligning their IR sensors.

# AUTO SCAN

One-press scan, select a free channel from 100 group



Image: Receiver display during an automatic frequency scan, showing channel and frequency information.

## 5.3 Manual Frequency Pairing

If multiple systems are in use or specific frequencies are required, you can manually set the channel number. Follow the receiver's menu options to select a desired frequency for Mic A or Mic B, then use the IR sync to pair the microphone.

## 5.4 Frequency Lock Function

To prevent accidental changes to the selected frequency, long-press the 'ADD' button on the receiver. This will lock the frequency settings, indicated on the display.

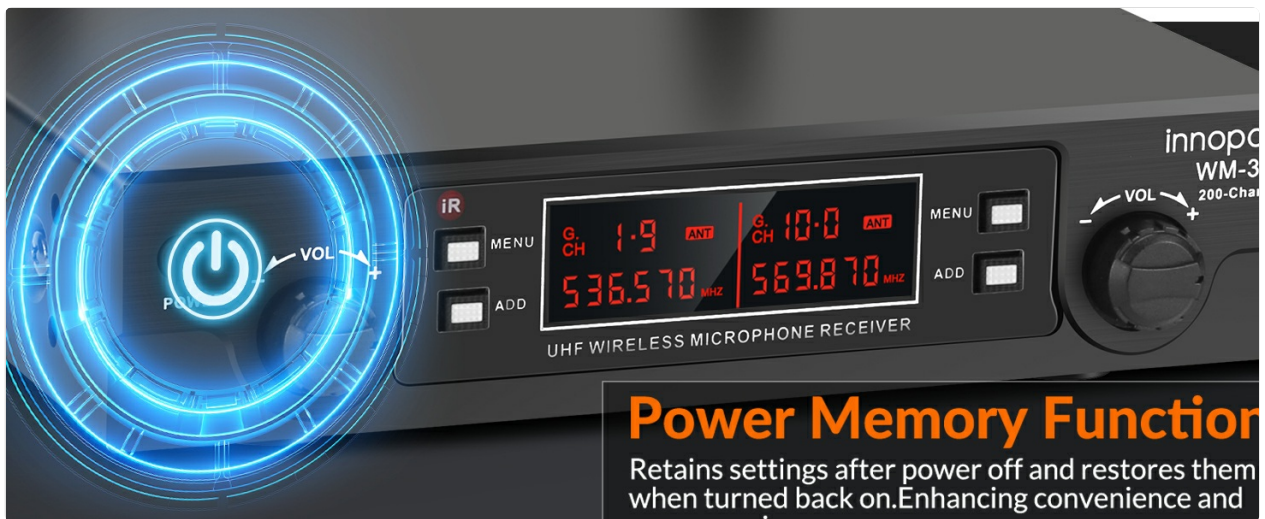


Image: Receiver display indicating the frequency lock function is active, preventing unintended changes.

## 5.5 Power Memory Function

The system retains its last used settings after being powered off and restores them when turned back on, enhancing convenience and reducing setup time for recurring use.



Image: Receiver illustrating the power memory function, which saves settings upon shutdown.

## 6. MAINTENANCE

- **Battery Replacement:** Replace microphone batteries (4 AA per mic) when the battery indicator shows low power to ensure optimal performance and prevent unexpected shutdowns.
- **Cleaning:** Use a soft, dry cloth to clean the receiver and microphones. Avoid using liquid cleaners or abrasive materials.
- **Storage:** When not in use for extended periods, remove batteries from the microphones and store the system in a cool, dry place away from direct sunlight and extreme temperatures.

## 7. TROUBLESHOOTING

- **No Sound or Low Volume:**
  - Ensure the receiver and microphones are powered on.
  - Check battery levels in the microphones and replace if low.



- Verify all audio cables are securely connected between the receiver and your external audio equipment.
- Adjust volume levels on both the receiver and your external audio equipment (mixer/amplifier).

- **Interference or Dropouts:**

- The system offers 100 selectable frequencies per channel to avoid interference. Use the automatic frequency scan feature to find a clear channel.
- If interference persists, manually select a different channel.
- Ensure a clear line-of-sight between the microphones and the receiver, avoiding large metal objects or other wireless devices that may cause interference. The optimal working range is 180-240 feet (60-80 meters) line-of-sight.

- **Microphone Not Pairing:**

- Ensure the microphone's IR sensor is aligned with the receiver's IR sensor during the pairing process.
- Repeat the auto-scan and pairing steps carefully.

## 8. SPECIFICATIONS

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Feature	Description
Model Number	WM-333
Microphone Form Factor	Handheld
Receiver Dimensions (L x W x H)	17.7 x 3.1 x 12 inches
Power Source	Battery Powered (Microphones), AC Adapter (Receiver)
Microphone Batteries	4 AA batteries required per microphone
Material	Metal (Microphones)
Signal-to-Noise Ratio	120 dB
Number of Channels	2 (Dual UHF)
Recommended Uses	Karaoke, Singing
Connectivity Technology	XLR
Special Features	100 Selectable frequencies on each channel, Battery Life: 14-17 Hours
Compatible Devices	Amplifier, Audio Mixer
Polar Pattern	Unidirectional
System Weight	3 Pounds
Frequency Range (Mic A)	536.57-561.32 MHz
Frequency Range (Mic B)	562.37-587.12 MHz
Working Range	180-240 Ft (60-80m) line-of-sight

## 9. WARRANTY AND SUPPORT

For warranty information or technical support, please refer to the contact details provided with your purchase documentation or visit the official innopow website. Our support team is available to assist you with any questions or issues you may encounter.