

Pyle PDWM3100.5

Pyle PDWM3100.5 UHF Wireless Microphone System Instruction Manual

MODEL: PDWM3100.5

Introduction

The Pyle PDWM3100.5 UHF Wireless Microphone System provides clear sound reproduction for various applications. This system features a Bluetooth receiver with two rechargeable handheld microphones, offering flexibility and ease of use for home karaoke, classroom presentations, office meetings, and business applications. It incorporates advanced digital signal processing and infrared carrier-frequency synchronization for stable performance.

Key Features:

- UHF 2x100 Channel Receiver with Digital Signal Processor
- High-fidelity Cartridge Module for clear audio
- Infrared Carrier-frequency Synchronization for easy setup
- Unique ID Address and Super Anti-Jamming Circuit Design
- Super-low Background Noise and Frequency Auto-Search
- Two rechargeable handheld microphones with 1200mAh batteries
- Simple Plug-and-Play Operation

What's in the Box

The Pyle PDWM3100.5 UHF Wireless Microphone System package includes the following components:

- Receiver Unit
- (2) Handheld Microphones
- Power Adapter (DC 12V, 1A)
- Connecting Line (39.37 inches)
- (4) Rechargeable Batteries (NI-MH Battery, 1200mAh)
- (2) Silicone Antiskid Rings
- (2) Antennas



Figure 1: All components included in the Pyle PDWM3100.5 UHF Wireless Microphone System package.

Product Overview

Receiver Unit

RECEIVER FUNCTIONS

Simple Controls and Operation

1. Microphone Recharge Port:
Put in the microphone to recharge

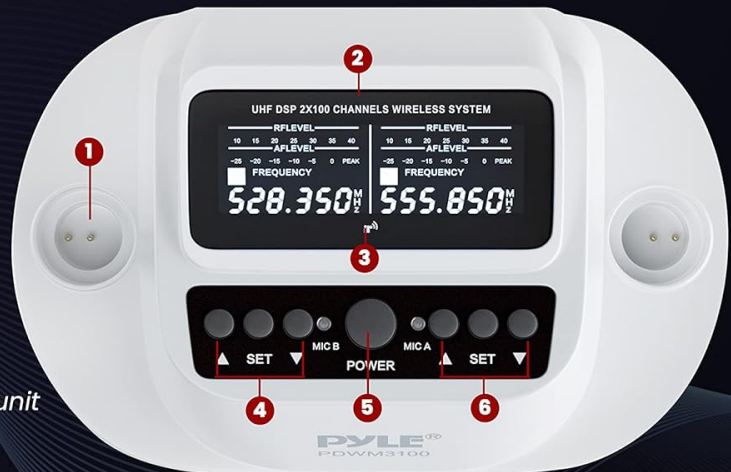
2. LCD Display:
Displays system status

3. IR Port:
Infrared Auto Sync System

4. MIC 1 SELECTOR BUTTONS
Allows control of LCD screen and functions for Microphone 1

5. Power Button:
Press this button to turn ON/OFF the unit

6. MIC 2 SELECTOR BUTTONS:
Allows control of LCD screen and functions for Microphone 2



7. Power Supply

8. VOL-A, VOL-B

9. MIC 1/2 Balanced Output

10. MIXED Output

11. Antenna A/B BNC Socket

Figure 2: Front panel features of the receiver unit.

1. **Microphone Recharge Port:** Insert microphones for recharging.
2. **LCD Display:** Shows system status, frequency, and battery levels.
3. **IR Port:** Infrared carrier-frequency synchronization.
4. **MIC 1 Selector Buttons:** Controls LCD screen and functions for Microphone 1.
5. **Power Button:** Press to turn the unit ON/OFF.
6. **MIC 2 Selector Buttons:** Controls LCD screen and functions for Microphone 2.



Figure 3: Rear panel connections of the receiver unit.

7. **Power Supply:** DC 12V, 1A input.
8. **VOL-A, VOL-B:** Volume controls for Microphone A and Microphone B.
9. **MIXED Output:** Combined audio output for both microphones.
10. **Antenna A/B BNC Socket:** Connect antennas for signal reception.

Handheld Microphone

HAND-HELD MICROPHONE

Main Functions



Figure 4: Main functions of the handheld microphone.

- **Microphone Head:** Captures audio.
- **LCD Display Window:** Shows channel and battery status.
- **Infrared Port:** For synchronization with the receiver.
- **Power Switch:** Turns the microphone ON/OFF.
- **Battery House:** Compartment for rechargeable batteries.
- **Charging Pin:** Connects to the receiver's recharge port for charging.

Setup Instructions

1. Connect the Receiver:

- Connect the two antennas to the Antenna A/B BNC Sockets on the rear panel of the receiver.
- Connect the Power Adapter (DC 12V, 1A) to the Power Supply port on the receiver and plug it into a power outlet.
- Connect the receiver's MIXED Output to your amplifier, stereo, audio processor, or DJ mixer using the provided connecting line.



Figure 5: Receiver connectivity options.

2. Install Microphone Batteries:

- Unscrew the bottom part of each handheld microphone to access the Battery House.
- Insert the (2) provided NI-MH 1200mAh rechargeable batteries into each microphone, ensuring correct polarity.
- Securely screw the bottom part back onto the microphone.



Figure 6: Rechargeable microphones and intelligent charging.

3. Power On and Sync:

- Press the Power Button on the receiver unit to turn it ON. The LCD display will illuminate.
- Slide the Power Switch on each handheld microphone to the ON position. The microphone's LCD display will show its channel and battery status.
- The microphones and receiver should automatically synchronize. If not, use the IR port on the receiver and the microphone's IR port to manually synchronize by aligning them and pressing the SYNC button on the receiver.



Figure 7: UHF receiver range and microphone usage.

Operating Instructions

1. **Adjust Volume:** Use the VOL-A and VOL-B knobs on the receiver's rear panel to adjust the individual volume levels of Microphone A and Microphone B.
2. **Microphone Usage:** Hold the microphone approximately 2-6 inches from your mouth for optimal sound quality. Avoid covering the microphone head with your hand to prevent muffled sound.
3. **Frequency Adjustment (if needed):** If you experience interference, use the selector buttons on the receiver to enter the frequency adjustment mode. Follow the on-screen prompts to auto-search for a non-interference frequency.
4. **Charging Microphones:** When the microphone battery indicator is low, insert the microphone into the Microphone Recharge Port on the receiver. The receiver will intelligently charge the batteries. Charging time is approximately 10 hours for a full charge, providing over 7 hours of use.

Maintenance

- **Cleaning:** Use a soft, dry cloth to clean the receiver and microphones. Do not use liquid cleaners or abrasive materials.
- **Storage:** Store the system in a cool, dry place away from direct sunlight and extreme temperatures

when not in use.

- **Battery Care:** Ensure batteries are fully charged before extended storage. Remove batteries if the system will not be used for a long period to prevent leakage.
- **Antenna Care:** Handle antennas carefully to avoid bending or breaking.

Troubleshooting

- **No Sound:**
 - Check if the receiver and microphones are powered ON.
 - Ensure microphones are synced with the receiver.
 - Verify volume levels on the receiver and connected audio device.
 - Check battery levels of microphones.
- **Interference/Poor Sound Quality:**
 - Change the operating frequency on the receiver and microphones.
 - Ensure antennas are properly connected and positioned.
 - Move away from other wireless devices or sources of electromagnetic interference.
 - Ensure microphones are within the specified operating range (164-262 ft).
- **Microphone Not Charging:**
 - Ensure microphones are correctly inserted into the recharge ports.
 - Verify the receiver is powered ON.
 - Check if batteries are properly installed in the microphones.

Specifications

Feature	Specification
Frequency Range	UHF 510-560MHz
Channels	2 x 100
Frequency Stabilization	90dB
Total Harmonic Distortion	<0.5%
Frequency Response	40Hz~20KHz ±3dB
Cover Range	164-262 ft.
Microphone Battery Type	NI-MH Battery, 1200mAh (Rechargeable)
Microphone Battery Life	More than 7 Hours
Microphone Charging Time	10 Hours
Receiver Power Supply	AC100~240V/ 50/60Hz, DC12v
Receiver Power Consumption	200mW
Signal-to-Noise Ratio	>96 dB


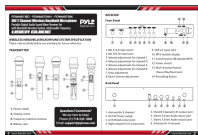



Product Dimensions

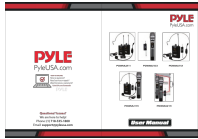
8.67" x 5.31" x 10.83" (Receiver)

Warranty and Support

For warranty information or technical support, please refer to the contact details provided in your product packaging or visit the official Pyle website. Keep your purchase receipt for warranty claims.

Related Documents - PDWM3100.5

	<p>Pyle PDWM2122 & PDWM2125 UHF Wireless Microphone System User Manual</p> <p>Comprehensive user manual for the Pyle PDWM2122 and PDWM2125 Home & Office UHF Wireless Microphone Systems, detailing features, connections, and technical specifications for both belt-pack and handheld models.</p>
	<p>Pyle PDWM811RD/PDWM812WH/PDWM813BK UHF Wireless Microphone System User Guide</p> <p>Comprehensive user guide for the Pyle PDWM811RD, PDWM812WH, and PDWM813BK UHF 2 Channel Wireless Handheld Microphone Systems with Bluetooth. Includes setup, operation, features, and technical specifications.</p>
	<p>Pyle PDWMKHRD22WM.5 HDMI Karaoke Mixer with 2 UHF Wireless Microphones - User Manual</p> <p>User manual for the Pyle PDWMKHRD22WM.5, an 8-channel HDMI In and Out (ARC) Karaoke Mixer system with 2 UHF wireless microphones. Features include Bluetooth connectivity, adjustable tone control, and multiple connection options for TVs, speakers, and computers.</p>
	<p>Pyle PDWMKHRD23 UHF Wireless Karaoke Mixer System User Manual</p> <p>User manual for the Pyle PDWMKHRD23, an 8-channel UHF wireless karaoke mixer system with optical/coaxial input, Bluetooth connectivity, and two wireless microphones. Includes setup, operation, troubleshooting, and technical specifications.</p>
	<p>PYLE UHF Wireless Microphone Systems - User Manual & Specifications</p> <p>Comprehensive user manual and technical specifications for PYLE UHF Wireless Microphone Systems, including models PDWMU211, PDWMU103, PDWMU112, PDWMU114, and PDWMU214. Learn about features, operation, and setup.</p>



[Pyle UHF Wireless Microphone Systems User Manual and Specifications](#)

Comprehensive user manual and technical specifications for Pyle UHF Wireless Microphone Systems, including models PDWMU211, PDWMU103, PDWMU112, PDWMU114, and PDWMU214. Covers features, operation, and detailed specs for reliable audio transmission.