

Pyle PDWM1988B

Pyle PDWM1988B Compact UHF Wireless Microphone System User Manual

Model: PDWM1988B

					Introduction	What's in the			
Box	Features	Setup	Operation	Maintenance	Troubleshooting	Specifications	Warranty &		
				Support					

INTRODUCTION

This manual provides instructions for the Pyle PDWM1988B Compact UHF Wireless Microphone System. This system is designed for clear audio transmission in various applications, including home use, PA systems, and presentations. It features a single-channel UHF selectable frequency design, a USB-powered receiver, and includes both headset and lavalier microphones for versatile use.

WHAT'S IN THE BOX

What's in the Box



Image: All components included in the Pyle PDWM1988B package, laid out for clear viewing.

- Microphone Receiver Base
- Belt-Pack Transmitter
- Headset Microphone
- Lavalier Microphone
- (2) 'AA' Batteries
- USB Cable

KEY FEATURES

- Wireless belt-pack microphone system
- Single Channel, UHF selectable frequency design
- Lab-tested distortion-free audio performance
- USB powered microphone Receiver base
- Compact tabletop receiver design

- Adjustable volume setting
- Receiver base with digital LCD display
- Digital AF/RF audio signal indicators and frequency readout
- Dual antenna for extended wireless range (up to 165 ft)
- Integrated low noise circuitry
- 1/4" unbalanced audio output jack
- XLR (3-pin) balanced audio input connector
- Power on/off control



Image: Illustration of the system's wireless range, indicating connectivity up to 165 feet.

Your browser does not support the video tag.

Video: An overview of the Pyle Compact UHF Wireless Microphone System, highlighting its features such as wide compatibility, powerful wireless range, and adjustable volume control.

SETUP INSTRUCTIONS

1. Receiver Placement and Power



Image: Detailed views of the receiver's front panel with controls and LCD, and the rear panel with input/output ports.

1. Place the receiver base on a stable, flat surface. Ensure it is within the desired operating range (up to 165 feet) of where the transmitter will be used.
2. Connect the USB cable to the receiver's Micro USB port and plug the other end into a DC 5V USB power source (e.g., a USB wall adapter, computer USB port).
3. Extend the dual antennas on the receiver for optimal signal reception.
4. Press the **POWER** button on the receiver to turn it on. The digital LCD display will illuminate.

2. Transmitter and Microphone Setup

1. Open the battery compartment of the belt-pack transmitter and insert the two 'AA' batteries, observing correct polarity. Close the compartment securely.
2. Choose your preferred microphone:
 - For the **Headset Microphone**: Plug the 3.5mm connector into the input jack on the belt-pack transmitter. Position the headset comfortably on your head with the microphone near your mouth.

- For the **Lavalier Microphone**: Plug the 3.5mm connector into the input jack on the belt-pack transmitter. Clip the lavalier microphone to your clothing, approximately 6-8 inches from your mouth.

3. Turn on the belt-pack transmitter using its power switch. The display on the transmitter should illuminate.

3. Connecting to an Audio System



Image: A close-up of a hand connecting a 1/4-inch audio jack to the receiver's output port.

Compatible with Multiple Devices



PA System



Amplifier



Mixer



Karaoke

Image: Visual representation of the Pyle system's compatibility with different audio equipment, including PA systems, amplifiers, mixers, and karaoke setups.

The receiver offers two output options:

- **1/4" Unbalanced Audio Output Jack:** Use a standard 1/4" audio cable to connect the receiver to the input of a PA system, amplifier, mixer, or karaoke machine.
- **XLR (3-pin) Balanced Audio Input Connector:** For professional audio setups, use an XLR cable to connect the receiver to an XLR input on a mixer or audio interface.

Ensure the volume on your connected audio system is initially set to a low level before proceeding.

OPERATING INSTRUCTIONS

1. Power On

After completing the setup, ensure both the receiver and the belt-pack transmitter are powered on. The LCD displays on both units should be active.

2. Frequency Selection

The system features a selectable UHF frequency design. The receiver's LCD will display the current operating frequency. If you experience interference, you can change the frequency on the receiver. Refer to the receiver's controls for specific frequency adjustment buttons (usually labeled 'CH' or with arrow icons). Ensure the transmitter automatically syncs or is manually set to the same frequency as the receiver.

3. Volume Adjustment

The receiver has an adjustable volume knob. Start with the volume at a low setting and gradually increase it to a comfortable listening level. Adjust the volume on your connected audio system as needed. Avoid setting the volume too high to prevent feedback or distortion.

4. Monitoring Signal Indicators

The receiver's digital LCD display includes AF (Audio Frequency) and RF (Radio Frequency) signal indicators.

- **RF Indicator:** Shows the strength of the wireless signal from the transmitter. A strong, stable RF signal is crucial for clear audio.
- **AF Indicator:** Shows the presence and level of the audio signal being received from the microphone.

Monitor these indicators to ensure proper operation and troubleshoot any signal issues.

MAINTENANCE

- **Cleaning:** Use a soft, dry cloth to clean the exterior of the receiver and transmitter. Do not use liquid cleaners or solvents.
- **Battery Replacement:** Replace the 'AA' batteries in the belt-pack transmitter when the low battery indicator appears or when audio quality degrades. Always use fresh batteries.
- **Storage:** When not in use for extended periods, remove batteries from the transmitter and store the system in a cool, dry place away from direct sunlight and extreme temperatures.
- **Cable Care:** Avoid sharp bends or kinks in the microphone and USB cables to prevent damage.

TROUBLESHOOTING

Problem	Possible Cause	Solution
No sound from microphone	◦ Transmitter or receiver not powered on. ◦ Low or dead batteries in transmitter. ◦ Microphone not connected to transmitter. ◦ Receiver not connected to audio system. ◦ Volume too low on receiver or audio system. ◦ Incorrect frequency selected.	◦ Ensure both units are powered on. ◦ Replace batteries in transmitter. ◦ Check microphone connection to transmitter. ◦ Verify receiver is properly connected to audio system. ◦ Increase volume on receiver and audio system. ◦ Adjust receiver frequency and ensure transmitter matches.
Interference or static noise	◦ Other wireless devices operating on the same frequency. ◦ Obstructions between transmitter and receiver. ◦ Transmitter too far from receiver.	◦ Change the operating frequency on the receiver. ◦ Ensure a clear line of sight between transmitter and receiver. ◦ Reduce the distance between transmitter and receiver (max 165 ft).

Problem	Possible Cause	Solution
Weak or distorted audio	- Low battery in transmitter. - Microphone positioned too far from mouth. - Volume levels set incorrectly.	- Replace batteries. - Adjust microphone position closer to mouth. - Adjust receiver and audio system volume levels.

TECHNICAL SPECIFICATIONS

Feature	Detail
Wireless System Type	UHF (Ultra High Frequency) Band
Selectable Channels	16 Channels
Wireless Operation Range	Up to 165 ft.
Audio Frequency Response	30-20kHz
Image and Spurious Rejection	>70 dB
Audio Output Level	+/- 300 mv
Output Impedance	600 ohm
Frequency Stability	+/- 0.005%
Maximum Deviation	+/- 15 kHz
Total Harmonic Distortion (T.H.D)	0.03%
Sensitivity	-96dBm
Construction Material	Engineered ABS Housing
Power Consumption	<85mA
USB Interface	Micro USB
Belt-pack Power	(2) x 'AA' Batteries (included)
Receiver Power Supply	USB, DC 5V
Belt-pack Dimensions (L x W x H)	3.94" x 2.46" x 0.87" Inches
Receiver Base Dimensions (L x W x H)	8.08" x 6.97" x 1.72" Inches

WARRANTY & SUPPORT

For warranty information and technical support, please refer to the documentation provided with your purchase or visit the official Pyle website. Specific warranty terms may vary by region and retailer.

ASK A QUESTION ABOUT THIS MANUAL

Ask about setup, troubleshooting, compatibility, parts, safety, or missing instructions. Manuals+ will review the question and use this page's manual context to help answer it.

Name

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After a successful submission, we securely hash the supplied account or form email before sending it to Microsoft Advertising for conversion attribution. [Privacy details](#).

Question

Example: How do I reset this device or fix this error?

Details

Model number, symptoms, what you tried, or the section of the manual you are using.

Submit question