



# Pyle PDWM4122 UHF Wireless Microphone System User Manual

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**PYLE**

**Pyle PDWM4122 UHF Wireless Microphone System**



Please read this operation manual in detail in order to understand how to operate this product properly. This is a wireless microphone, which is suitable for the TV network K songs, singing, karaoke room, home entertainment and other occasions.

## PRODUCT OVERVIEW

### PDWM2120 Receiver Front Panel



1. Wired Mic Input
2. Wired Mic Volume Control
3. Wireless Mic A Volume Control
4. Wireless Mic B Volume Control
5. ECHO Knob
6. Music Volume Control
7. USB input

8. NEXT press and hold to turn up the volume of music
9. Music Pause/Play
10. PREV press and hold to turn down the music volume
11. LED indicators

#### PDWM2120 Receiver Back Panel



12. 3.5mm Audio Input
13. 3.5mm Audio Output
14. 1/4" (6.35mm) Audio Output
15. Power DC input
16. Power ON/OFF Switch
17. Antenna

#### PDWM4120 Receiver Front Panel



1. Wired Mic Input
2. Wired Mic Volume Controll
3. Wireless Mic A Volume Controll
4. Wireless Mic B Volume Controll
5. Wireless Mic C Volume Controll
6. Wireless Mic D Volume Controll
7. ECHO Knob
8. Music Volume Controll

9. RF LED indicator lights
10. AF LED indicator lights

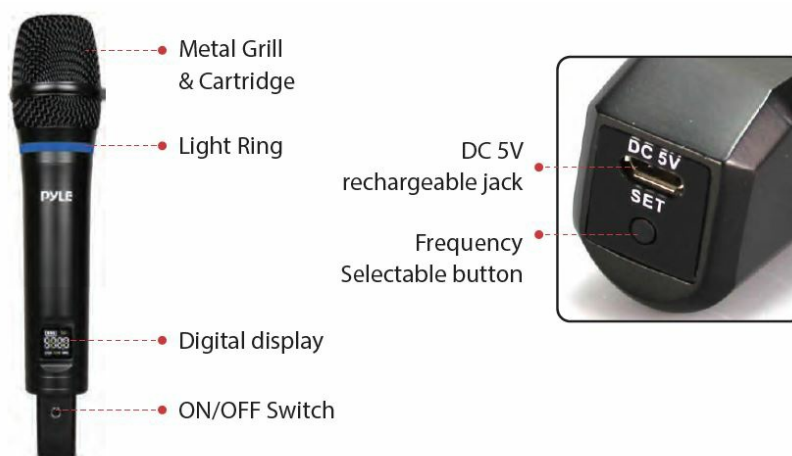
### PDWM4120 Receiver Back Panel



11. 3.5mm Audio Input
12. 3.5mm Audio Output
13. 1/4" (6.35mm) Audio Output
14. Power DC input
15. Power ON/OFF Switch
16. 4 Antennas

## Handheld Transmitters

### PDWM2120 Rechargeable Handheld Mics



### PDWM4120 Handheld Mics



1. Metal Grill & Cartridge
2. **Digital Display:** Frequency, Battery Volume, Channel
3. **ON/OFF Switch:** Press for 3 seconds
4. Frequency Selectable button

### PDWM4122 Belt Pack



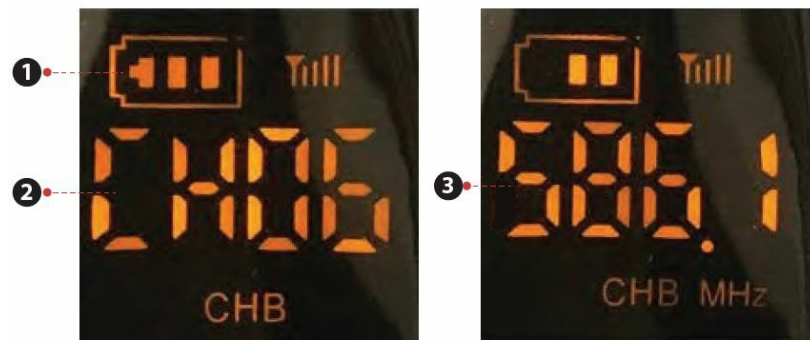
1. Audio Jack
2. Volume Controll
3. RF antenna
4. **Digital Display:** Frequency, Battery Volume, Channel
5. **ON/OFF Switch:** Press 3 seconds
6. Frequency Selectable button

### System Operation

1. Do not turn ON the transmitter before turning ON receiver. Turn the volume to minimum level, then press the ON/OFF switch on receiver. The Receiver is ON.
2. Put the batteries correctly on the battery compartment, press ON/OFF switch for 3 seconds, the transmitter is ON.

3. After turning on the transmitter, the RF indicator is lit, turn the volume to suitable level. Then speak to the microphone, AF indicator is lit. If there is no sound and the indicator is not lit, it means the system is working abnormally, please send it to recondition.
4. The Frequency Selectable Button can adjust the transmitter with different frequency. Press one to change the frequency. The receiver can match the frequency automatically. Wireless Mic A, B, C, D has different frequency. Transmitters do not interfere with each other. If you need several systems to work at the same time, please adjust the transmitters with different frequency.
5. If you will not use it for a long time, please turn OFF the system and take out the AA batteries.

## Transmitter Setting



## Digital Display Introduction

1. **Battery Display (BATT):** Shows the battery dump energy. When the battery is low, this icon will flash, please replace with new batteries to ensure the transmitter is working normally.
2. **CHANEL:** Show the working channel of transmitter.
3. **FREQUENCY:** Show the working frequency.

## Wireless BT Streaming Connection

1. Turn on Wireless BT of audio sources devices (e.g. Smart phone).
2. Search the Wireless BT name of receiver, named "PYLE".
3. Complete the pairing of audio sources devices (e.g. Smart phone) and receiver.
4. Then play the music from the source device. You will hear the music come out from the speaker.

## Adjusting Suggestions

1. **Wired microphone volume (MIC. VOL):** 60%
2. **Wireless microphone volume (VOL. A, VOL. B):** 60%
3. **BASS:** 30%
4. **TREBLE:** 60%
5. **ECHO:** 60%

## Troubleshooting

Trouble	Indicator Lights Status	Solution
		Turn on the transmitter.
	Transmitter's display	Make sure the battery
	is not lit	+/- pole is correct.
		Replace new battery
		Adjust the volume of
No Sound	Receiver RF LED indicator is lit	receiver. Check the cable connection between receiver and
or sound is weak		Amplifier/Mixer.
		Remove the nearby
		metal items from receiver.
	Receiver RF indicator	Check if there is barrier
	is not lit. Transmitter	between transmitter and
	display is lit	receiver. Make the
		transmitter close to the
		receiver
	BATT icon flashing	Replace battery
		Remove the nearby
		interference source (eg.CD
		player, PC, Digital device,
		in-Ear monitor system).
Distorsion or Squeal	Receiver RF indicator is ON	Change the frequency of the transmitter. Replace
		battery. If several systems
		are used at same time,
		please increase the
		frequency space.

## PDWM2120

### Home & Office UHF Wireless Microphone System

Wireless BT PA Public Address Mic System with MP3/USB Music Playback, (2) Rechargeable Handheld Mics



## Features

- Desktop Wireless Microphone System
- PA Public Address Mic Audio Control Receiver
- Home Theater & Office Karaoke-Style Vocals
- UHF Narrow Band Audio Transmitter
- Includes (2) Handheld Mics
- Portable Rechargeable Battery Microphones
- Wireless BT Music Streaming Ability
- Convenient Microphone Voice-Over
- Talk-Over Ability via USB/Wireless BT Streaming Music with Microphones
- Digital LCD Display with Selectable Mic Frequency
- Dual Antennas for Extended Wireless Range
- Simple Plug-and-Play Operation
- Built-in Acoustic Pop Filter
- Integrated Low Noise Circuitry
- Ultra-Wide Frequency Response
- Noise-Eliminating SMT Technology
- Crisp Audio Clarity for Vocals & Singing
- Connect & Stream Audio from External Devices
- MP3 Digital Audio File Playback
- USB Flash Drive Reader
- 1/4" -inch (6.3mm) Wired Microphone Input
- Rear Panel 1/4" -inch (6.3mm) Unbalanced Mixed Output
- Rear Panel Aux (3.5mm) Audio Input/Output Jacks
- Audio Configuration Echo / Music / Master Vol Adjustment
- Independent Channel Volume Control
- Power ON/OFF Switch
- RF (Radio Frequency) LED Indicator Lights
- Perfect for Professional Audio Stage & Studio Performances
- Directly Connects to Amplifiers, Stereos, Audio Processors, DJ Mixers
- Used for Home Karaoke, Classroom, Office & Business Applications



## Wireless BT Streaming Connectivity

- Simple & Hassle-Free Pairing
- Instant Wireless Audio Streaming Ability
- Play Music Directly from Your External Device
- orks with Smartphones, Tablets, Laptops, Computers
- **Wireless BT Network Name:** 'Pyle'
- **Wireless BT Version:** 4.2
- **Wireless Range:** Up to 32'+ ft.

## What's in the Box

- Microphone Receiver Base
- (2) Wireless Handheld Microphones
- RCA-to-Aux (3.5mm) Cable, 4.6' ft.
- Aux (3.5mm) Audio Cable, 3.3' ft.
- 1/4" -inch (6.3mm) Audio Cable, 3.3' ft.
- USB Charge Cable
- Power Adapter

## Technical Specs

- **Wireless Operation:** UHF Band Transmitter
- **Selectable Frequency Mic Design:** 50 Channel
- **Microphone Element/Type:** Dynamic
- **Pickup/Polar Pattern:** Uni-Directional
- **Wireless Operating Range:** Up to 165'+ ft.
- **Frequency Stability:** <0.002%
- **Sensitivity:** 2/MV
- **S/N Ratio:** >95DB
- **Transmitted Power:** 10mW
- **Dynamic Range:** >95DB
- **Distortion:** <1%, 1kHz Modulation
- **Frequency Response:** 50Hz-18kHz (3±dB)
- **Construction Material:** Metal Alloy Receiver Base, Zinc Metal Mics
- **Mic Rechargeable Battery:** 3.7V Li-iOn, 1500mAh – 5.55Wh – 31.2g (Each)
- **Power Supply:** 120/240V (12V Power Adapter)
- **Handheld Mic Size (L x W x H):** 9.8" x 2.2" x 2.2" -inches (Each)
- **Mic Receiver Base Size (L x W x H):** 9.4" x 3.6" x 1.8" -inches

## PDWM4120

## Home & Office UHF Wireless Microphone System

## Wireless BT PA Public Address Mic System with Microphone Talk-Over, Includes (4) Handheld Mics



### Features

- Desktop Wireless Microphone System
- PA Public Address Mic Audio Control Receiver
- Home Theater & OFFice Karaoke-Style Vocals
- UHF Narrow Band Audio Transmitter
- Includes (4) Handheld Mics
- Portable Battery-Operated Microphones
- Wireless BT Music Streaming Ability
- Convenient Microphone Voice-Over
- Talk-Over Ability via USB / Bluetooth Streaming Music with Microphones
- Digital LCD Display with Selectable Mic Frequency
- Integrated Antennas for Extended Wireless Range
- Simple Plug-and-Play Operation
- Built-in Acoustic Pop Filter
- Integrated Low Noise Circuitry
- Ultra-Wide Frequency Response
- Noise-Eliminating SMT Technology
- Crisp Audio Clarity for Vocals & Singing
- Connect & Stream Audio to External Devices
- 1/4" -inch (6.3mm) Wired Microphone Input
- Rear Panel 1/4" -inch (6.3mm) Unbalanced Mixed Output
- Rear Panel Aux (3.5mm) Audio Input/Output Jacks
- Audio Configuration Echo / Music / Master Vol Adjustment
- Independent Channel Volume Control
- Power ON/OFF Switch
- AF & RF Signal Frequency LED Indicator Lights
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- Directly Connects to Amplifiers, Stereos, Audio Processors, DJ Mixers
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### Wireless BT Streaming Connectivity

- Simple & Hassle-Free Pairing

- Instant Wireless Audio Streaming Ability
- Play Music Directly from Your External Device
- Works with Smartphones, Tablets, Laptops, Computers
- Wireless BT Network Name: 'Pyle'
- Wireless BT Version: 4.2
- Wireless Range: Up to 32'+ ft.

### **What's in the Box**

- Microphone Receiver Base
- (2) Wireless Handheld Microphones
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### **Technical Specs**

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- **Sensitivity:** 2/MV
- **S/N Ratio:** >95DB
- **Transmitted Power:** 10mW
- **Dynamic Range:** >95DB
- **Distortion:** <1%, 1kHz Modulation
- **Frequency Response:** 50Hz-18kHz (3±dB)
- **Construction Material:** Metal Alloy Receiver Base, Half Engineered ABS, Half Metal Alloy Mics
- **Power Supply:** 120/240V (12V Power Adapter)
- **Handheld Mic Size (L x W x H):** 9.8" x 2.2" x 2.2" -inches (Each)
- **Mic Receiver Base Size (L x W x H):** 7.5" x 3.6" x 1.7" -inches

### **PDWM4122**

### **Home & Office UHF Wireless Microphone System**

Wireless BT PA Public Address Mic System with Microphone Talk-Over (4) Beltpacks, (4) Headset Mics



## Features

- Desktop Wireless Microphone System
- PA Public Address Mic Audio Control Receiver
- Home Theater & Office Karaoke-Style Vocals
- UHF Narrow Band Audio Transmitter
- Includes (4) Beltpacks & (4) Headset Mics
- Portable Battery-Operated Headset Bodypacks
- Bluetooth Wireless Music Streaming Ability
- Convenient Microphone Voice-Over
- Talk-Over Ability via USB / Bluetooth Streaming Music with Microphones
- Digital LCD Display with Selectable Mic Frequency
- Integrated Antennas for Extended Wireless Range
- Simple Plug-and-Play Operation
- Integrated Low Noise Circuitry
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## Wireless BT Streaming Connectivity

- Simple & Hassle-Free Pairing
- Instant Wireless Audio Streaming Ability
- Play Music Directly from Your External Device
- Works with Smartphones, Tablets, Laptops, Computers

- Wireless BT Network Name: 'Pyle'
- Wireless BT Version: 4.2
- Wireless Range: Up to 32'+ ft.

### What's in the Box

- Microphone Receiver Base
- (4) Wireless Beltpack Transmitters
- (4) Headset Microphones
- RCA-to-Aux (3.5mm) Cable, 4.6' ft.
- Aux (3.5mm) Audio Cable, 3.3' ft.
- 1/4" -inch (6.3mm) Audio Cable, 3.3' ft.
- Power Adapter

### Technical Specs

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- **Frequency Stability:** <0.002%
- **Sensitivity:** 2/MV
- **S/N Ratio:** >95DB
- **Transmitted Power:** 10mW
- **Dynamic Range:** >95DB
- **Distortion:** <1%, 1kHz Modulation
- **Frequency Response:** 50Hz-18kHz (3±dB)
- **Construction Material:** Metal Alloy Receiver Base, Engineered ABS Beltpack
- **Battery Operated Beltpacks, Require (2) x 'AA' Batteries, Not Included (Each)**
- **Power Supply:** 120/240V (12V Power Adapter)
- **Beltpack Transmitter Size (L x W x H):** 2.6" x 1.1" x 3.6" -inches (Each)
- **Mic Receiver Base Size (L x W x H):** 7.5" x 3.6" x 1.7" -inches

### Questions? Issues?

We are here to help!

- **Phone:** (1) 718-535-1800
- **Email:** [support@pyleusa.com](mailto:support@pyleusa.com)

[www.PyleUSA.com](http://www.PyleUSA.com)

This product can expose you to a chemical or group of chemicals, which may include "Lead(Pb)" which is known

in the state of California to cause cancer, birth defects, or other reproductive harm. For more info, go to <https://www.p65warnings.ca.gov/>.

## **FREQUENTLY ASKED QUESTIONS**

What is the Pyle PDWM4122 UHF Wireless Microphone System?

The Pyle PDWM4122 is a UHF wireless microphone system designed for various audio applications, offering wireless convenience for microphones.

How many microphones are included in the PDWM4122 system?

The PDWM4122 system typically includes two wireless microphones, providing versatility for various setups and performances.

What type of microphones are included?

The PDWM4122 system typically includes dynamic microphones, suitable for vocal and audio recording applications.

Is it suitable for professional use?

Yes, the PDWM4122 is designed for professional and semi-professional audio applications, including live performances, presentations, and more.

What is the operating frequency range of the PDWM4122 system?

The PDWM4122 typically operates in the UHF (Ultra High Frequency) range, offering stable and interference-resistant wireless performance.

What is the microphone's pickup pattern?

The included microphones typically have a cardioid pickup pattern, reducing background noise and feedback.

What is the wireless range of the PDWM4122 system?

The wireless range of the PDWM4122 system may vary but is generally designed to cover a reasonable distance, allowing performers to move freely.

Is it suitable for karaoke and vocal performances?

Yes, the PDWM4122 is suitable for karaoke, vocal performances, and other applications where wireless microphones are needed.

Does it require batteries or external power?

The microphones included in the PDWM4122 system typically require batteries for operation, while the receiver unit may require external power.

Is it compatible with microphone stands?

Yes, the microphones included in the PDWM4122 system are typically compatible with most microphone stands.

Does it come with a carrying case?

The inclusion of a carrying case may vary depending on the package or retailer. Check the product listing for included accessories.

What is the build quality of the microphones and receiver?

The microphones and receiver are generally built with durability in mind, suitable for professional use and handling.

## VIDEO – PRODUCT OVERVIEW



[Download the PDF link to PDWM4122 User Manual](#)  
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