

# PYLE

PyleUSA.com



## PDWM2120

with MP3/USB Music Playback,  
(2) Rechargeable Handheld Mics



## PDWM4120

with Microphone Talk-Over,  
Includes (4) Handheld Mics



## PDWM4122

with Microphone Talk-Over  
(4) Beltpacks, (4) Headset Mics

*PDWM2120 - PDWM4120 - PDWM4122*

Home & Office UHF Wireless Microphone System

Wireless BT PA Public Address Mic System

# USER MANUAL

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.

### **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 Control
3. Wireless Mic A Volume Control
4. Wireless Mic B Volume Control
5. Wireless Mic C Volume Control
6. Wireless Mic D Volume Control
7. ECHO Knob
8. Music Volume Control
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



- Metal Grill & Cartridge
- Light Ring
- Digital display
- ON/OFF Switch

DC 5V  
rechargeable jack

Frequency  
Selectable button



### 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

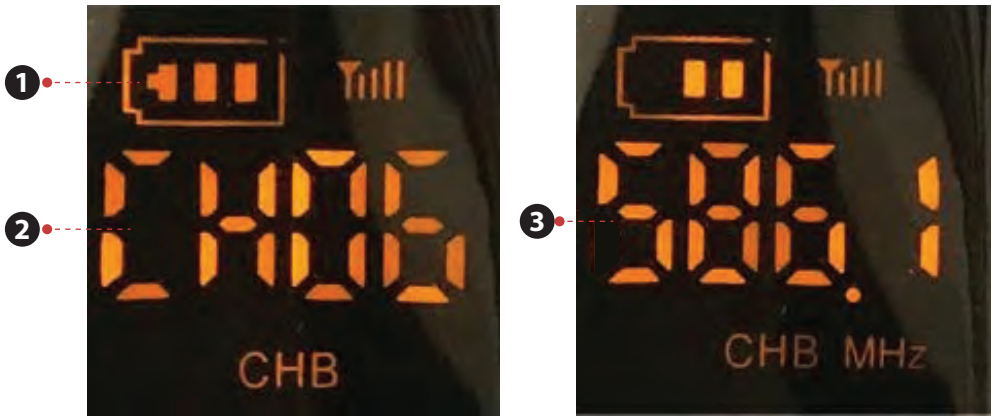
1. Audio Jack
2. Volume Control
3. RF antenna
4. **Digital Display:** Frequency, Battery Volume, Channel
5. **ON/OFF Switch:** Press 3 seconds
6. Frequency Selectable button



### *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
No Sound or sound is weak	Transmitter's display is not lit	Turn on the transmitter. Make sure the battery +/- pole is correct. Replace new battery
	Receiver RF LED indicator is lit	Adjust the volume of receiver. Check the cable connection between receiver and Amplifier/Mixer.
	Receiver RF indicator is not lit. Transmitter display is lit	Remove the nearby metal items from receiver. Check if there is barrier between transmitter and receiver. Make the transmitter close to the receiver
	BATT icon flashing	Replace battery
Distorsion or Squeal	Receiver RF indicator is ON	Remove the nearby interference source (eg.CD player, PC, Digital device, in-Ear monitor system). 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
- 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
- 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
- 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
- Works with Smartphones, Tablets, Laptops, Computers
- Wireless BT Network Name: 'Pyle'
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- 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, 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
- 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
- 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

- 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:

- 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, 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)



**WARNING:**

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/>.

# PYLE

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*Need service or repair?*

*Want to leave a comment?*

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

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