

**SERIES**  
**PREMIER**

**WIRELESS  
MICROPHONE  
SYSTEM**



**UHF**

**LED**

**PDWM1800**

## FOREWORD

Thank you for purchasing the Premier Series Wireless Microphone System. Please read the instructions carefully to ensure proper use and operation of the product. Also, keep the instructions for future reference.

This professional wireless microphone system operates on high-efficiency, low-consumption discharging techniques. Performance features include independent developed mobile frequency compression, expander circuitry, image frequency limiting circuits, a multiple checked silent and noise-free circuits, antenna diversity receiving circuit & switch impact noise defeat circuits. Resist reverberation circuit and changed output control. Passes Q.C. code standards.

## SYSTEM FEATURES

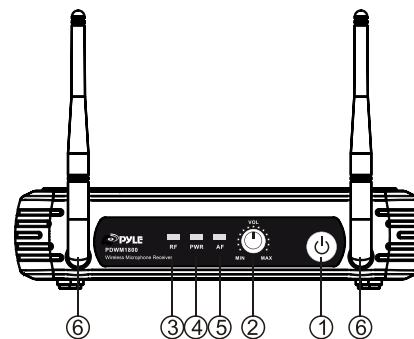
All UHF Series systems offer a variety of exceptional features, including:

1. **Multiple System Use:** Up to several UHF systems can be used in the same performance space. Each system must be set at a different frequency. (Frequency marked on the back of the receiver)
2. **Simultaneous Output Use:** Unbalanced 1/4" phone plug and balanced XLR output connectors may be used simultaneously to different external devices.
3. **Range:** UHF Series transmitters will work at a distance of up to 50 meters (about 164 ft.) from the receiver.
4. **Noise Squelch:** Squelch circuit analyzes signal strength and quality so that can reduce the likelihood of noise burst due to environmental RF (radio frequency) noise.
5. **Low Battery Warning Light:** A red light on the body-pack and hand-held transmitters warns the user that there is less than one hour of battery life left.

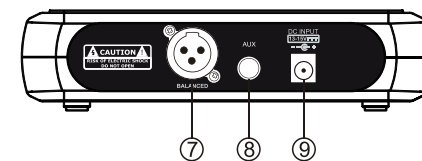
## SYSTEM TYPE

**The Vocal Artist-UHF** is a hand-held system designed for singers who desire the high quality of microphones and the freedom of wireless performance.

## RECEIVER FEATURES



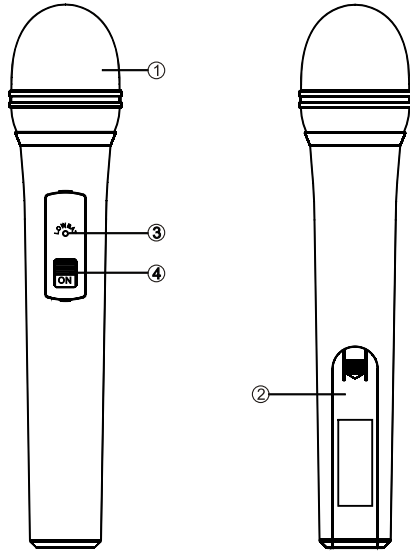
Front Panel



Rear Panel

1. Power Switch: Power ON/OFF the receiver.
2. Volume Knob: Adjust the volume output of receiver.
3. "RF" signal Indicator: It glows when the Receiver receive RF signal from Transmitter.
4. Power Indicator: Indicate the power ON/OFF.
5. "AF" Audio Level Indicator: Indicate the wireless system audio signal level.
6. Antenna A/B.
7. XLR Balanced Output Jack: Connect the audio cable from this jack to the input port of amplifier, mixer.
8. 1/4" Audio Output Jack: Connect the audio cable from this jack to the input port of amplifier, mixer.
9. Power Jack: Connect the AC/DC adapter to receiver.

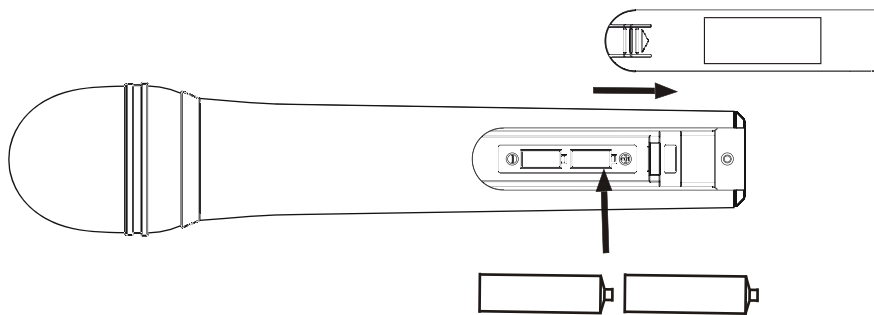
## MICROPHONE-TRANSMITTER FEATURES



1. Grille: Protects the cartridge and help reducing the breath sounds and wind noise.
2. Battery Cover: Open it to install the battery.
3. Low Battery Indicator: Red light glows when it is lack of power and should renew the battery.
4. Power and Audio Mute Switch.

## TRANSMITTER BATTERY INSTALLATION

1. Battery Installation of Handheld Microphone: Push open the battery cover, Insert the supplied batteries into battery jar in polarity and cover the battery cover.



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## SYSTEM CONNECTION

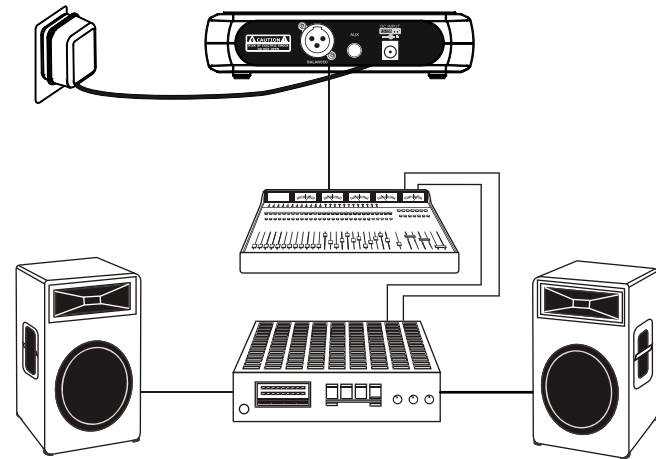
1. Receiver Power Connection: Connect the DC connector of supplied AC/DC adapter into the DC power input of receiver. Plug the AC input connector into an AC120/60Hz or AC220V/50Hz outlet. (Shown as below)



2. Antenna: Keep the position of antenna at a 45 angle from vertical, . (Shown as below)



3. Audio Connection: Connect the corresponding output of receiver by supplied 1/4" phone jack audio cable or your XLR cable to the input of power amplifier, mixer.



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## TROUBLESHOOTING

PROBLEM	INDICATOR STATUS	SOLUTION
No sound.	Red transmitter indicator is not flash	Slide transmitter POWER ON/OFF switch to ON position. Make sure battery is inserted properly, observing battery ("+/"). If battery is inserted properly, replace with fresh battery
No sound.	Red transmitter indicator is flash	Slide transmitter MUTE/ON switch to ON position
No sound.	Red receiver POWER light off.	Make sure ac adapter is securely plugged into electrical outlet and into dc input connector. Make sure ac electrical outlet works and supplies proper voltage.
No sound.	Receiver signal Indicators A/B lights glowing.	Turn up receiver volume control. Confirm that the output connections from the receiver to the external equipment are secure
No sound.	Receiver signal Indicators A/B lights off. Transmitter and receiver POWER lights glowing	Confirm transmitter's and receiver's frequencies match. Move transmitter closer to receiver
Sound level differs from level of a cabled instrument.	Receiver signal Indicators A/B lights glowing.	Adjust transmitter gain level to compensary. Adjust receiver volume as necessary.
Sound level differs with different guitars.	Receiver signal Indicators A/B lights glowing.	Readjust transmitter gain level to compensate for differences in guitar outputs
Distortion level increases gradually	Receiver Signal Indicators A/B lights and transmitter LOW BATTERY light glowing	Replace transmitter battery
Bursts of noise or other audibleradio signals present.	Signal Indicators A/B lights on	Identify potential sources of interference (other RF-sources) and tum off, remove or use a wireless system operating on a different frequency.
Momentary loss of sound as transmitter is moved around performing area.	Receiver signal Indicators A/B lights off when sound is lost	Repositeon receiver and perform walk-through test again. If audio dropouts persist, mark "dead" spots and avoid them during performance

## SYSTEM SPECIFICATIONS

RF Carrier Frequency Range: Approximately 673 to 697.975MHZ (Available frequencies depend on applicable regulations in country where system is used).

Operating Range: 50 m(approximately 164ft)under typical conditions

Audio Frequency Response: 100 to 18,000Hz, ±3dB

THD: <1%

Mobile stste Range:> 100dB

## Operating Temperature Range

-29° to 74 °C (-20° to 165°F)NOTE:Battery characteristics may limit this range.

## PDWM1800

### Premier Series Professional UHF Wireless Handheld Microphone System

LED Power Indicator

Operation Range: Up to 164 ft.

Audio Level Indicator for wireless system audio signal level

RF Signal Indicator for transmitter signal strength

UHF Signal for wider range and less obstruction

Adjustable volume control

1/4" audio output jack

XLR balanced output jack

AC/DC adapter power jack

Power Supply: 110/220V

### Receiver Specifications

RF Frequency Range: 673-697.975 MHz

Image & Spurious Rejection: >70 dB

Receiving Sensitivity: -105 dB

Signal / Noise Ratio: -105dB

Border Upon Channel Rejection: > 70 dB

T.H.D.: < 1%

Audio Output Level: 0-300 mV

Power Requirements: 13-15V DC nominal 300 mA

Dimensions 6.8 x 5.3 x 1.7 in

### Handheld Transmitter Specifications

RF Frequency Range: 673-697.975 MHz

RF Output: >10 dBm

Modulation Type: FM

Max Deviation: ± 40 KHz

Spurious Emission: > 55 dBc

Nominal Current Drain: < 40mA

Power Requirements: 2 x 1.5V AA

Dimensions: 9.25 x 1.9 x 1.9 in

The Pyle **PREMIER** Series Wireless Microphone System will provide you with the performance you've been looking for. Whether used for work or play, this cordless microphone system is easy to setup, easy to use, and best of all, will give you an amazing high-quality audio experience. Enjoy hassle-free and reliable wireless sound transmission with today's latest system technology with this all-in-one package. Excellent sound production for vocals or speech and perfect for just about any event on stage, in the office or even at home. Comes with everything you need to perform. No matter what you use it for, the Pyle **PREMIER** Series Wireless Microphone System will take your sound and style to the next level.

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