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PDWM4350U



PDWM4360U

PDWM4350U - PDWM4360U
UHF Wireless Microphone System Kit

USER MANUAL

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SYSTEM COMPOSITION

PDWM43SOU	PDWM4360U
Receiver	Receiver
(2) Handheld Mics	(4) Handheld Mics
(2) Belt-Pack Transmitters	DC Power Adapter
(2) Lavalier Mics	Rack Mount Kit
(2) Headset Mics	Batteries
DC Power Adapter	
Rack Mount Kit	
Batteries	

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 circuit system, antenna diversity receiving circuit & switch impact noise defeat circuits. Resis reverberation circuit and changed output control. Passes Q.C. code standards.

SYSTEM FEATURES

- 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 164ft.) from the receiver.
- 4. Noise Squelch:** Squelch circuit analyzes signal strength and quality so that it 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 remaining.

SYSTEM TYPE

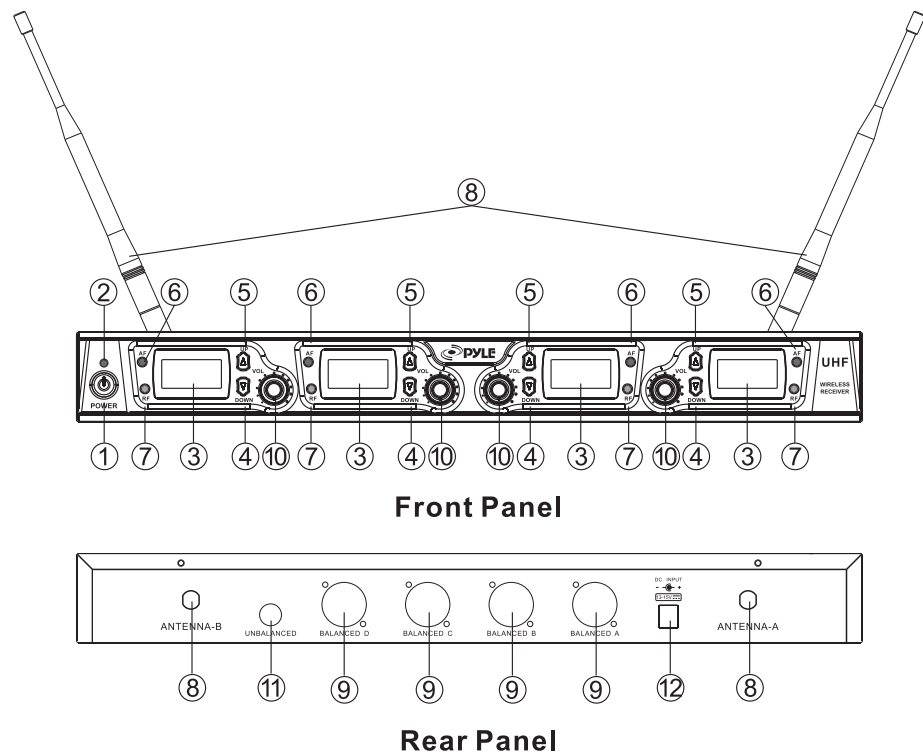
The Vocal Artist-UHF is a hand-held system designed for singers who desire the high quality of microphones and the freedom of wireless performance.

The Presenter-UHF is a body-pack system designed for public speakers who prefer an inconspicuous, hands-free lavalier microphone.

The Headset-UHF is a body-pack system designed for users in physically active applications, who desire the freedom of hand-free microphone.

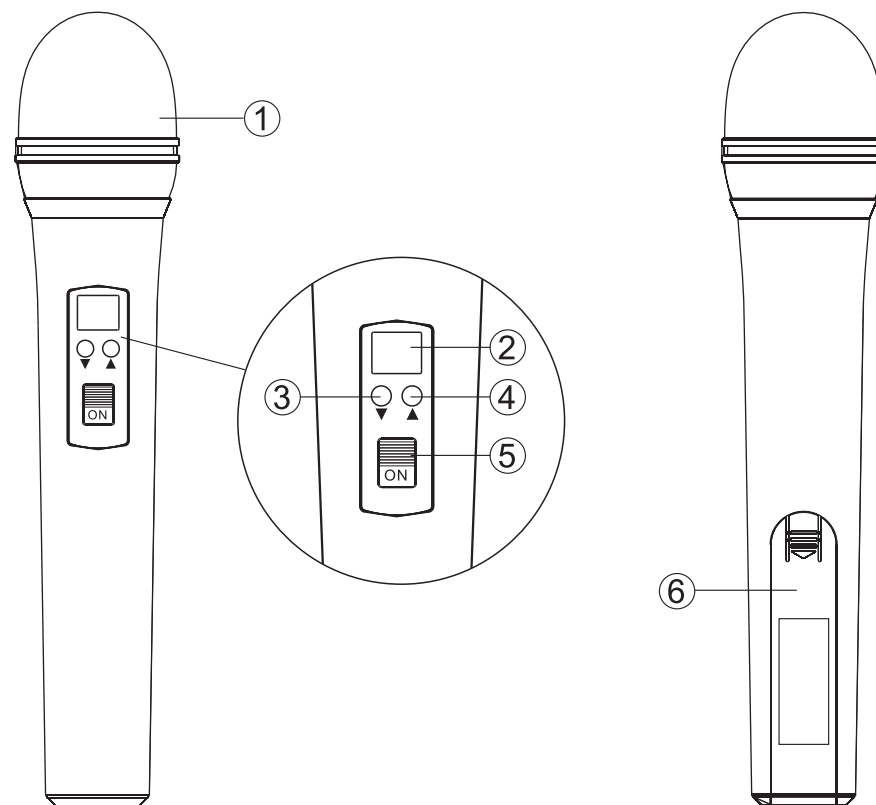
The Guitarist-UHF is a body-pack system designed for use with electric guitars, basses, and other electric instruments.

FOUR CHANNEL RECEIVER FEATURES



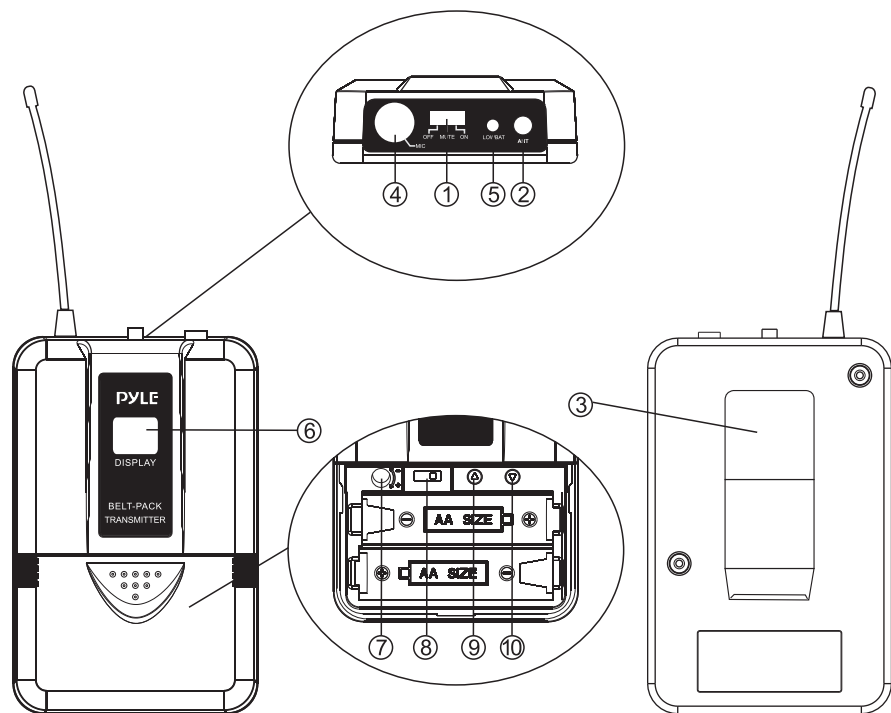
- 1. Power Button:** Power **ON/OFF** the receiver.
- 2. Power Indicator:** Indicate the power **ON/OFF**.
- 3. LCD Information Display:** Show the receiver frequency channel ect.
- 4. Down Function Button:** Sets channel data.
- 5. Up Function Button:** Sets channel data.
- 6. "AF" Audio Level Indicator:** Indicates the wireless system audio signal level.
- 7. "RF" Signal Indicator:** It glows when the Receiver receive RF signal from Transmitter.
- 8. Antenna.**
- 9. XLR Balanced Output Jack:** Connect the audio cable from this jack to the input port of amplifier, mixer.
- 10. Volume Knob:** Adjust the volume output of receiver.
- 11. 1/4" Audio Output Jack:** Connect the audio cable from this jack to the Input port of amplifier, mixer.
- 12. Power Jack:** Connect the DC adapter to receiver.

MICROPHONE-TRANSMITTER FEATURES



- 1. Grille:** Protects the cartridge and help reducing the breath sounds and wind noise.
- 2. LCD Information Display:** Show the transmitter frequency channel ect.
- 3. Down Function Button:** Sets channel data.
- 4. Up Function Button:** Sets channel data.
- 5. Power and Audio Mute Switch.**
- 6. Battery Cover:** Open it to install the battery.

BODY-PACK TRANSMITTER FEATURES



1. Power and Audio Mute Switch.

2. Antenna: Transmit the RF signal of transmitter.

3. Belt Clip: Attach the transmitter to the belt.

4. Audio Input Jack: Suitable for lavalier system/headset system.

5. Low Battery Indicator: Red light glows when it is lack of power and should renew the battery.

6. LCD Information Display: Show the transmitter frequency channelect.

7. Gain Adjusting Volume: Adjust the transmitter audio input gain.

8. State Setting Switch: Set the using state of lavalier system (L) / headset system (H)

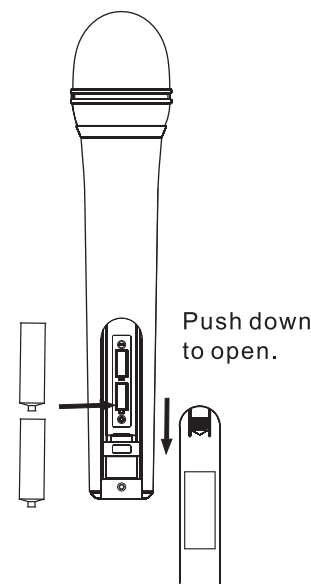
9. Up Function Button: Sets channel data.

10. Down Function Button: Sets channel data.

TRANSMITTER BATTERY INSTALLATION

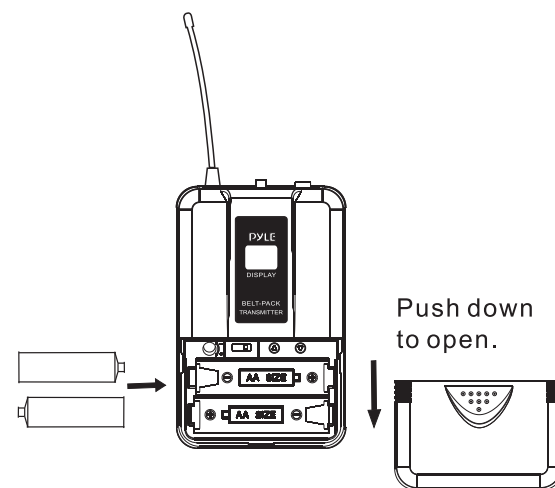
1. Battery Installation of Handheld Microphone: Open the battery cover.

Insert the supplied batteries into battery jar in polarity and cover the battery.



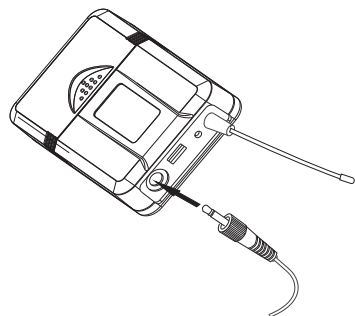
2. Battery Installation of Bodypack Transmitter: Push open the battery

cover. Insert the supplied batteries into battery jar in polarity and close the battery cover.

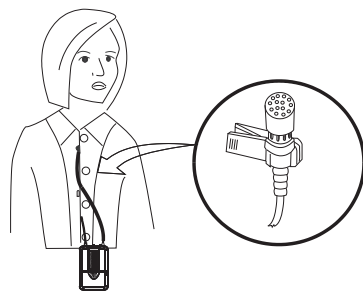


BODYPACK TRANSMITTER CONNECTION

- 1. Lavalier Microphone Connection:** Connect the connector of supplied lavalier microphone to the connecting jack of transmitter (shown as below) Set the transmitter work state in wireless lavalier system (L).

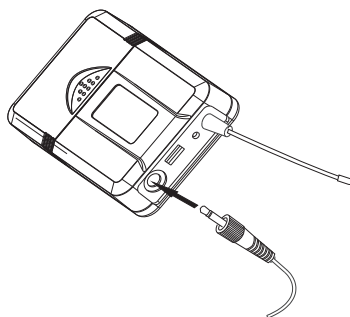


(a)

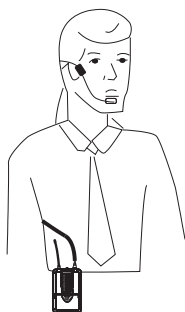


(b)

- 2. Headset Microphone Connection:** Connect the connector of supplied headset microphone to the connecting jack of transmitter (shown as below) Set the transmitter work state in wireless headset system (H).



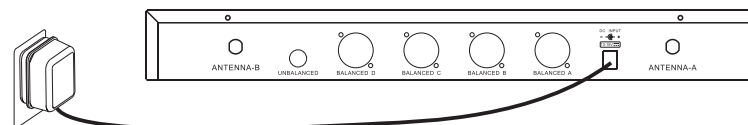
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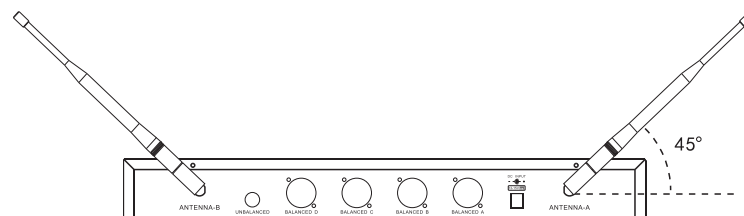
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SYSTEM CONNECTION

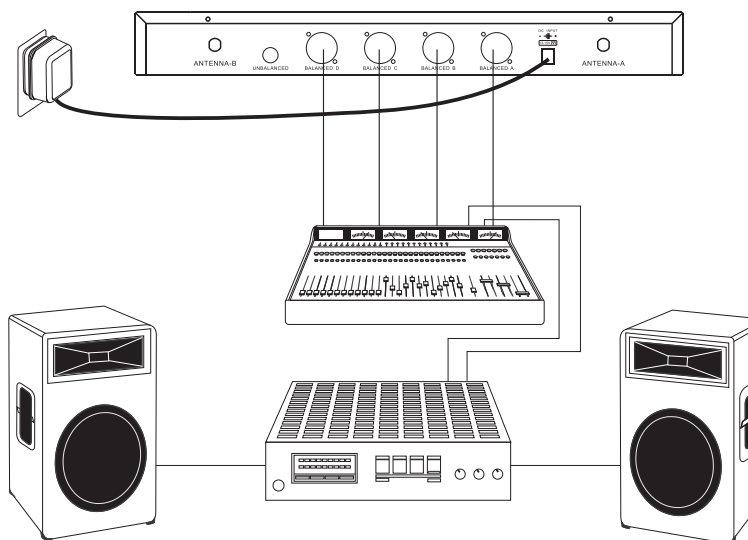
- 1. Receiver Power Connection:** Connect the DC connector of supplied AC/DC adapter into the DC power input of receiver. Plug the AC Input connector into an AC120/60Hz or AC220V/50Hz outlet. (Shown as below)



- 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 1/4w phone jack audio cable or your XLR cable to the Input of power amplifier, mixer.



TROUBLESHOOTING

PROBLEM	INDICATOR STATUS	SOLUTION
No Sound	Red transmitter indicator is not flashing	Slide transmitter POWER ON/OFF switch to ON position. Make sure battery is inserted properly, observing battery (+/-). If the battery is inserted properly, replace with fresh battery.
No Sound	Red transmitter indicator is flashing	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 and receiver~ frequency match. Move transmitter closer to receiver.
Sound level differs from the level of a cabled Instrument.	Receiver signal indicators A/B lights glowing	Adjust transmitter gain level to compensate. Adjust receiver volume as necessary
Sound level differs from the level of different guitars	Receiver signal indicators A/E lights glowing	Readjust transmitter gain level to compensate 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 audible radio signals present	Signal indicators A/B lights ON	Identify potential sources of interference (other RF sources) and turn 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 indicator A/B lights OFF when sound is lost	Reposition receiver and perform walk-through again. If audio dropouts persist, mark "dead" spot-and avoid them during performance.

SYSTEM SPECIFICATIONS

• RF Carrier Frequency Range:

Approximately 523 to 597.8 MHz (Available frequencies depend on applicable regulations in country where system is used).

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

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

• THD: <1%

• Mobile state Range: > 100dB

Operating Temperature Range

-20.2°F to 165.2°F (-29°C to 74°C)

NOTE: Battery characteristics may limit this range.

OPTIONAL ACCESSORIES

1/4" to 1/4" Cable (The Guitarist -UHF only)

1/4" to Miniature Connector

1.8 Meter (6ft.) Receiver-Mixer Cable

RECEIVER SPECIFICATION

Power Requirements	120V or 230V AC adaptor with 2.1 mm female plug
Power Requirements	12-15V DC nominal, 1000mA
Signal/Noise Ratio	MORE THAN 85dB
Border Upon Channel Rejection	MORE THAN 70dB
Image & Spurious Rejection	MORE THAN 70dB
Audio Output Level	(\pm)300mV
Receiving Sensitivity	-105dBm
Dimensions	394MM X 205MM X 52MM

HAND-HELD TRANSMITTER SPECIFICATIONS

Power Requirements	1.5VAA battery X 2
Nominal Current Drain	LESS THAN 100mA
Modulation Type	FM
RF Output	MORE THAN 10dBm
Max Deviation	$\pm 70\text{KHz}$
Spurious Emission	MORE THAN 55dB
Dimensions	238MM X 50MM X 50MM

BODY-PACK TRANSMITTER SPECIFICATIONS

Power Requirements	1.5VAA battery X2
Nominal Current Drain	LESS THAN 100mA
Modulation Type	FM
RF Output	MORE THAN 10dBm
Max Deviation	$\pm 70\text{KHz}$
Spurious Emission	MORE THAN 55dB
Dimensions	100MM X 65MM X 30MM



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