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PDWM2560

Wireless Microphone System

USER MANUAL

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SYSTEM COMPOSITION

1. Receiver	X1
2. Wireless hand-held or body-pack microphone	X2
3. Audio Cable	X1
4. AC power adapter of special receiver	X1
5. Battery 1.5V	X4
6. User guide	X1

Please read this instruction manual carefully so that you will understand how to operate the unit that you purchased correctly. Please keep and store this instruction booklet in a safe place after reading it for future reference. This series of professional microphone system uses a super steady PLL-Synthesized control circuit that matches a high efficient, low consumption discharging technique. We also apply an independently developed mobile frequency compression and expanding circuit that is chain linked with image frequency filters and three time checked noise filters in the receiving unit. Every unit must pass strict tests and quality control by the manufacturer.

FOREWORD

Your new series of wireless system is designed to give you the best of both sound reinforcement worlds: the freedom of wireless system, and the excellent quality. This manual covers each of the series system: The Vocal Artist-UHF, The Presenter-UHF, The Headset-UHF, and The Guitars-UHF.

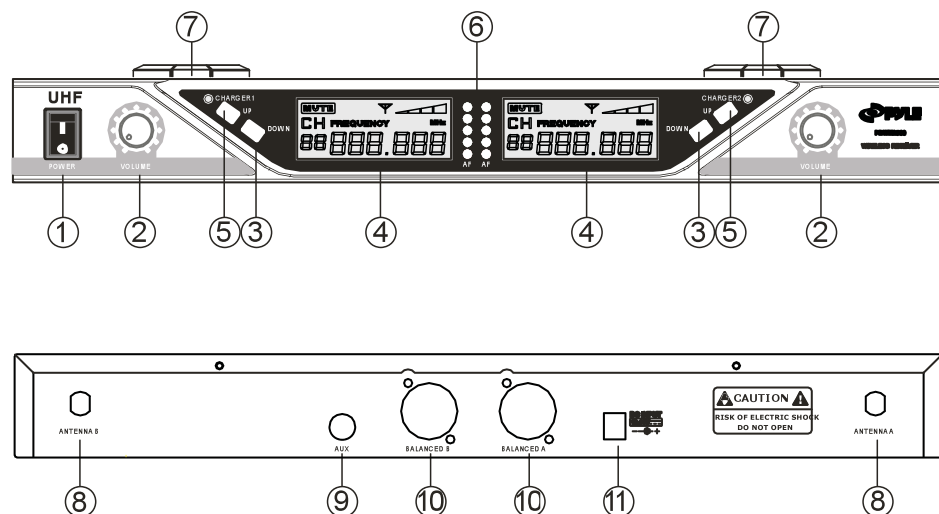
SYSTEM FEATURES

1. Adopt the PLL-Synthesized control technique, 2X16 selectable UHF channels.
2. The UHF frequency range is 573-597.8 MHz, avoiding the frequency interruption.
3. LCD information display.
4. Double noise squelch operation circuit and system will be higher efficient and much more steady.
5. Use the dynamic type and Unidirectional cartridge, clear to show the sound.
6. High efficient and low consumption design.
7. Use the high extension antennas, the operating distance will reach 175 feet.

SYSTEM TYPE

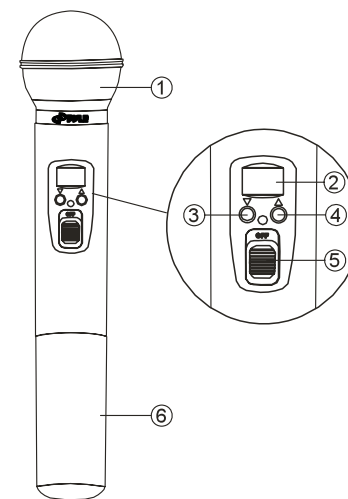
The **Vocal Artist-UHF** is a hand-held system designed for singers who desire the high quality of a wired microphone and the freedom of wireless performance. The **Presenter-UHF** is a body-pack system designed for public speakers who prefer an inconspicuous, hands-free lavalier microphone. The **Headset-UHF** 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.

DUAL CHANNEL RECHARGEABLE RECEIVER FEATURES

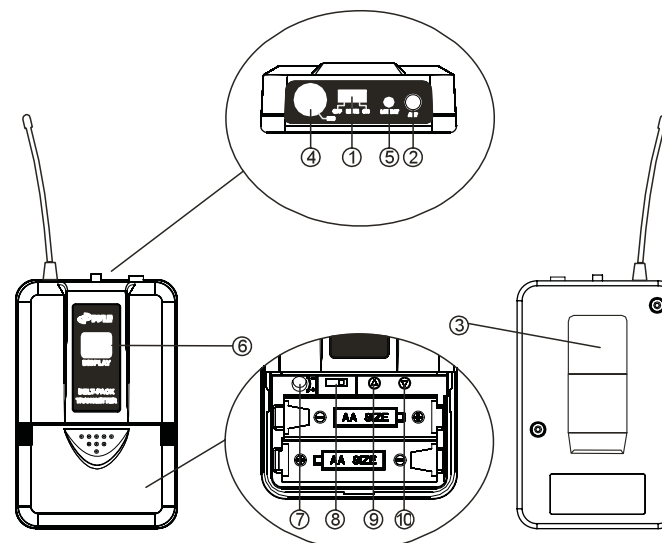


- 1. Power Switch:** Power **ON/OFF** the receiver.
- 2. Volume Knob:** Adjust the volume output of receiver.
- 3. Down Function Button:** Sets channel data.
- 4. LCD Information Display:** Shows the receiver's frequency channel etc.
- 5. Up Function Button:** Sets channel data.
- 6. "AF" Audio Level Indicator:** Indicate the wireless system audio signal level.
- 7. Charging Slot:** Located at the bottom of chargeable handheld mic, the light is flashing when charging and it will be **OFF** when removed.
- 8. Antenna.**
- 9. 1/4" Audio Output Jack:** Connect the audio cable from this jack to the input port of amplifier, mixer.
- 10. XLR Balanced Output Jack:** Connect the audio cable from this jack to the input port of amplifier, mixer.
- 11. PowerJack:** Connect the **AC/DC** adapter to receiver.

TRANSMITTER FUNCTION & FEATURES



- 1. Grille:** Protects the cartridge and helps to reducing breath sounds and wind noise.
- 2. LCD Information Display:** Show the transmitter frequency channel etc.
- 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.



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 channel etc.

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

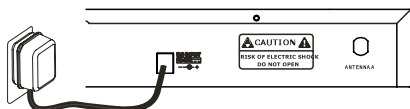
8. State Setting Switch: Set the using state of lavalier system (L)/headset system (H).

9. Up Function Button: Sets channel data.

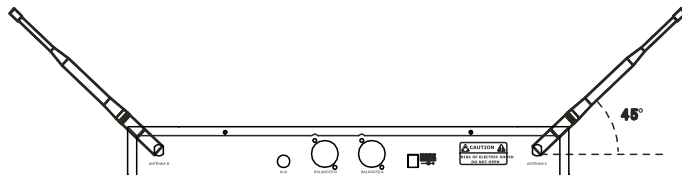
10. Down Function Button: Sets channel data.

SYSTEM CONNECTIONS

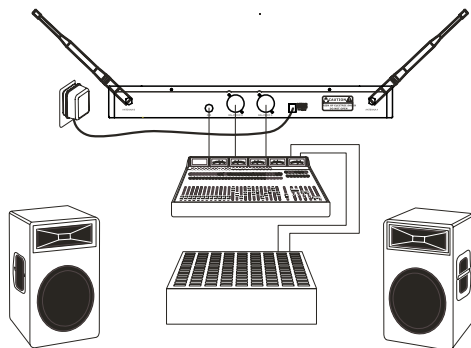
1. Receiver Power Connection: Connect the AC adapter into the DC power connector on the back of the receiver. Plug the AC adapter into a AC 120V / 220V 50Hz outlet.



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

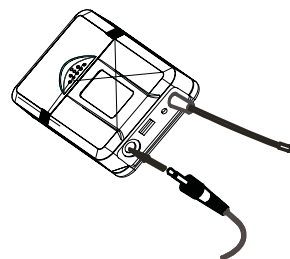


3. Audio Connection: Connect the audio cable from the audio output on the receiver to the input on your amplifier equipment

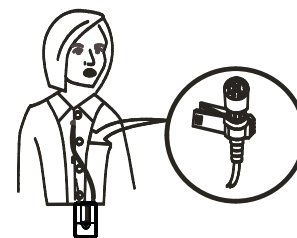


BODYPACK TRANSMITTER CONNECTION

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).

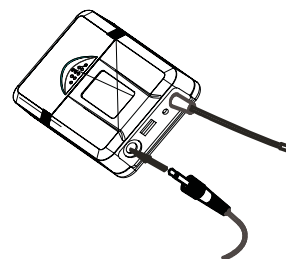


(a)



(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).

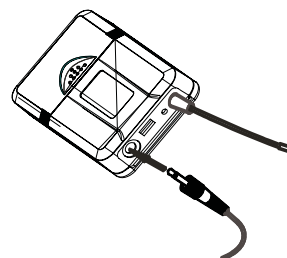


(a)

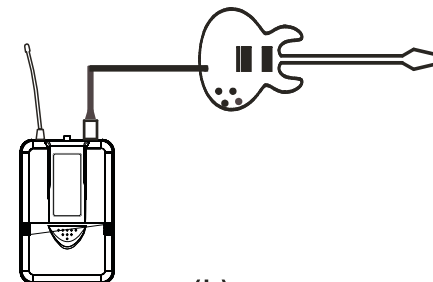


(b)

3. Guitar Cable Connection: Connect the connector of supplied guitar cable to the connecting jack of transmitter and the other connector to guitar (shown as below), set the transmitter work state in wireless guitar system (G).



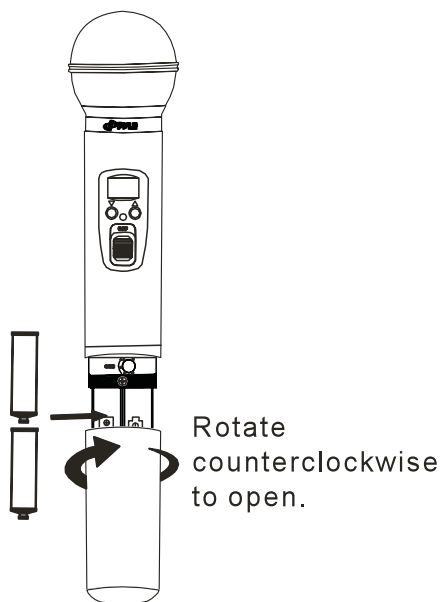
(a)



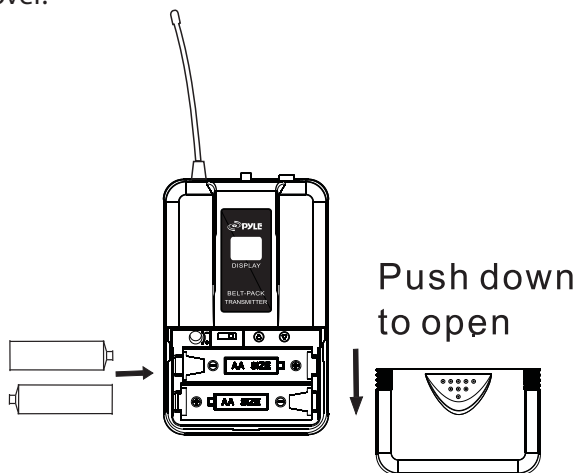
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TRANSMITTER BATTERY INSTALLATION

- 1. Battery Installation of Handheld Microphone:** Open the battery cover. Insert the supplied batteries into battery port observing polarity and close the cover.



- 2. Battery Installation of Body pack Transmitter:** Push open the battery cover. Insert the supplied batteries into battery port observing in polarity and close the cover.



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 transmittergain 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 573 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	13-15V 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	0- ± 300 mV
Receiving Sensitivity	-105dBm
Dimensions	8.5" X 6.7" X 2" inches

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	± 70 KHz
Spurious Emission	MORE THAN 55dB
Dimensions	9.8" X 2" X 2" inches

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	± 70 KHz
Spurious Emission	MORE THAN 55dB
Dimensions	4" X 2.5" X 1" inches