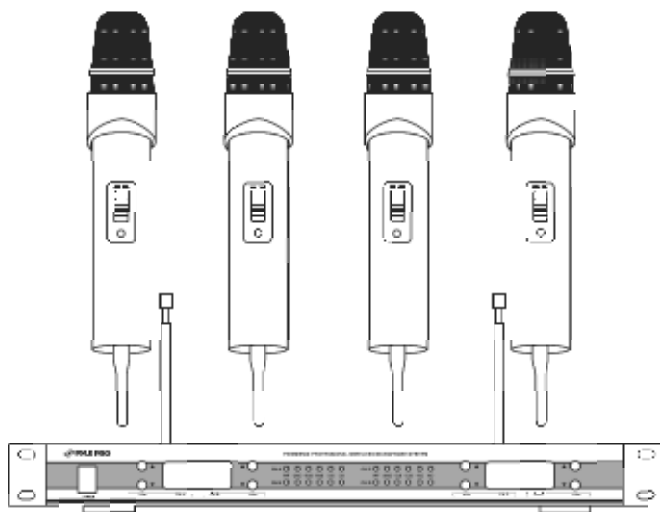




PDWM 5500 OPERATING INSTRUCTIONS

WIRELESS MICROPHONE SYSTEM



PREFACE

Thank you for selecting the PDWM5500 4 Mic VHF Wireless System. Before operating please read this instruction manual carefully and thoroughly in order to understand the correct operating procedures and achieve the best results.

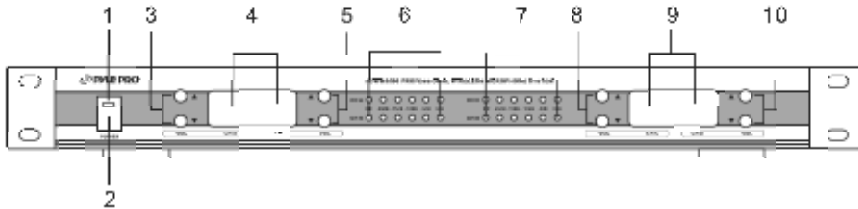
FEATURES:

- ALC circuit to eliminate distortion;
- Frequency compressing/expanding (companding) circuitry to lower noise and increase the dynamic range.
- Superior squelch and high signal to noise ratio.
- Near zero noise output when on standby.
- Wide frequency response range and low distortion.
- Convenient operation status indicators.
- LED Displays
- Multiple HF and MF narrowband filters to eliminate interfering signal.
- Low power consumption components to ensure longer battery life.
- Special impact wave eliminating circuit for microphone switch.
- Long transmitting distance - up to 240 ft. in ideal circumstances.

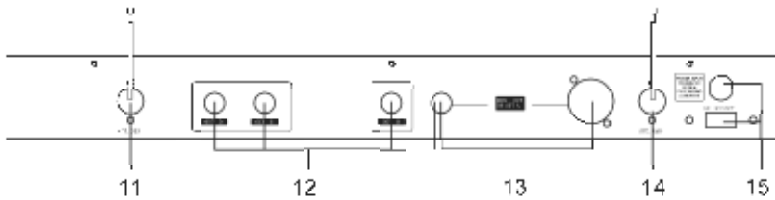
SYSTEM SETUP

- 1) Plug the included audio cable into the receiver's mixed output connector, and the other end into a mixer or power amplifier system. Extend the two antennas fully to the vertical position. Switch on the receiver. The POWER ON light will illuminate.
- 2) Open the battery cover of the microphone and install the batteries inside the compartment properly. Replace the cover.
- 3) Position the transmitter power switch to ON. The indicator light will illuminate. The microphone features a 3-way power switch. The middle position (standby) functions as a mute switch.
- 4) The receiver's corresponding channel light will illuminate, indicating reception.
- 5) Adjust the volume knobs of the receiver and power amplifier.
- 6) When the transmitter power indicator dims, it indicates low battery power. Replace the batteries.

FRONT PANEL OF RECEIVER



REAR PANEL OF RECEIVER

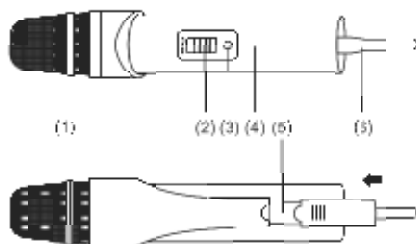


Description

- | | |
|-------------------------|---|
| 1) Power Indicator | 9) CH. C/D LED Displays |
| 2) Power Switch | 10) CH. D Volume Control |
| 3) CH. A Volume Control | 11) CH. C/D Antenna Connector |
| 4) CH. A/B LED Displays | 12) Individual Audio Output |
| 5) CH. B Volume Control | 13) Mixed Audio Output |
| 6) CH. A/B AF Meters | 14) CH. A/B Antenna Connector |
| 7) CH. C/D AF Meters | 15) AC Power Input (voltage selectable) |
| 8) CH. C Volume Control | |

Description

- 1) Grill
- 2) Power Switch
- 3) LED Power Indicator
- 4) Mic Body
- 5) Battery Compartment
- 6) Antenna



Troubleshooting

1. Unit does not turn on.
 - Make sure the power cable is connected properly.
 - Check the fuse.
 - Check the voltage selector
2. AF display moves, but there is no sound output.
 - Check volume level.
 - Check audio cable.
 - Check the settings on your amplifier
3. The effective receiving distance decreases.
 - Change batteries.
 - Check for any devices that may be causing interference.
4. Sound Quality Deteriorates
 - Change Batteries.
 - Check for any devices that may be causing interference.
 - Do not use two machines with the same frequency at the same time.

Caution:

Do not open the unit. There are no user serviceable parts inside. Refer service to a qualified technician.

SPECIFICATION

System Specifications

- 1) Carrier Frequency: VHF 160-280MHz
- 2) Frequency Stability: $\pm 0.005\%$
- 3) Modulation mode: VHF
- 4) Audio Frequency Response: 40Hz-20KHz
- 5) Signal to Noise Ratio: $>60\text{dB}$
- 6) Maximum Sound Pressure Level: $>100\text{dB}$
- 7) Distortion: $<0.5\%$
- 8) Operating Range: Approx 240 ft.

Transmitter

- 1) RF Output Power: 10mW Max
- 2) Harmonic Suppression: 40dB
- 3) Antenna: Built in
- 4) Power Supply: 1.5V(AA) x 3
- 5) Nominal Current Drain: Approx. 15mA
- 6) Battery Life: Approx. 12 hours

Receiver

- 1) Receive Mode: Crystal Frequency Lock
- 2) Sensitivity: 40dBu(S/N=60dB)
- 3) Signal to Noise Ratio: $>60\text{dB}$
- 4) Audio Output Level: 400mV Max
- 5) Power Supply: AC110V/220V

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