

OPERATION MANUAL

Before using the machine
please read this manual

PDWM2400

www.pyleaudio.com

UHF

PROFESSIONAL WIRELESS
MICROPHONE SYSTEM

I. FUNCTION INTRODUCTION

Our special wireless microphone system has these characteristics as the following. For many reasons, such as low frequency, traditional wireless microphone system are easy to be interfered especially because many machines CD, VCD and LD, eradicate out too many harmonic. To solve this problem we design this kind professional wireless microphone. We adopt a series of measures to improve its functions, advance frequency, using multilevel high frequency and mid frequency narrowband filter, multiple noise detect and control. We also design its special functions (tone key locked identity) to avoid interference from outside.

II. MAIN FUNCTION

- ▲ Using UHF 480MHz-550MHz band to avoid interfering frequency.
- ▲ Using multilevel high frequency and mid frequency narrowband filter, so as to dispel any possible interfering signals.
- ▲ The wireless microphone looks good and are useful.
- ▲ There is a voltage indicating circuit in the microphone. It can tell you if it is necessary to change the battery.
- ▲ A specially designed circuit switch is on the phone. It is for clearing up waves of miscellaneous signals.
- ▲ All use SMT technology for PCB.
- ▲ With audio compressing-expanding technology, the machine can lower noise and increase the dynamic range. It can also lower reecho.
- ▲ Particular noise detect to avoid interference from outside open the mute system.
- ▲ Choose excellent chipset and high quality component, so that its timbre is very good.
- ▲ Longest distance in open: 60~80m.
- ▲ It is suitable for stages ballrooms auditoria classrooms and families.

III. OPERATION OF THE RECEIVER

1. Install the antenna A&B, make them be perpendicular with the machine.
2. Install adapter to the DC input.
3. Connection of the audio output:
One end of the audio cable into "MIX" socket and other end audio amplifier or mixer's "MIC IN" socket.

4. Push the power switch, the power-indicating light is lighted.
5. When the microphone is working the "SIGNAL" light of the receiver is lighted.
The receiver output voice, volume of the receiver can be controlled by adjusting the volume knob.

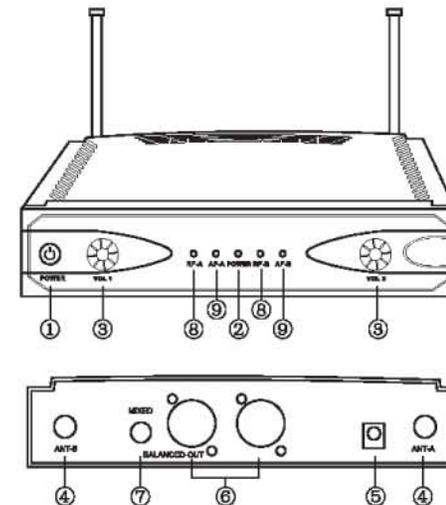
★Attention when you install the receiver

- ☆ It should be more than 1 metre high from the floor.
- ☆ It should be more than 1 metre beyond the wall.
- ☆ Antennas should be perpendicular with the machine, otherwise it'll influence receiving signals.

IV. OPERATION OF THE MICROPHONE

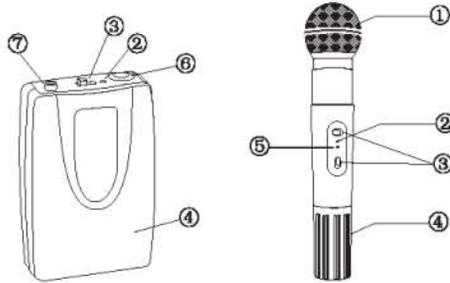
1. Open the battery cover and put in the batteries. Please pay attention to correct polarity direction.
2. Turn the power switch to "ON", if the power indicator does not glitter or low battery light is always on, you should check that the batteries are low or in wrong polarity.
3. Turn the power switch to "OFF", the hand mic is off.
4. The indicator keeps lighting or when the battery is low, please replace the battery with a new one.
5. Remove the battery when lay idle for a long time to avoid being corrupted.

V. CONTROL AND FUNCTION LIST(Receiver)



1. Power switch
2. Power indicator
3. Volume knobs
4. Antenna
5. DC Input socket
6. Balance audio socket of channel A and B
7. Mixed output socket
8. Receiver Signal indicator
9. Audio Signal indicator

VI. CONTROL AND FUNCTION LIST(Transmitter)



1. Grill
2. Power indicator
3. Power switch
4. Battery cover
5. Low battery indicator
6. Headset audio input jack
7. Audio Volume

VII. SPECIFICATION

RECEIVER

Frequency Range:	480-560MHz
Sensitivity:	<2UV(12dB SINAD)
Dynamic Range:	>80dB
Signal-to-Noise:	>80dB
Image Rejection:	>50dB
Audio Frequency Response:	80-12000Hz
System Distortion:	<1%
Audio Output Level:	700mV(600Ω)
Power supply:	DC12V~17V/400mA
Current Consumption:	<400mA

TRANSMITTER

Maximum Deviation Range:	35 KHz(Max)
Frequency Stability:	±0.005%
R F Output Power:	<30mW
R F Rejection:	>40dB
Current Consumption:	<50mA
Operate Range:	50-70M
Battery:	9V*1 AA

SYSTEM COMPOSITION	
1. Receiver	X1
2. Microphone	X2
3. Audio cable	X1
4. Battery 9V	X2
5. Adapter	X1

⚠ ATTENTION

1. Avoid putting the main machine in a blind angle when it is used. This is for keeping signal receiving in good condition.
2. Don't throw fall, toss, cast the handling microphone when it is used in case damage it seriously.
3. Please keep the machine from direct sunshine or rains, and put it in a place as far as possible from the magnetic field.
4. Don't open it yourself, because there is high voltage in it.

VIII . REPAIR WITH SIMPLE FAULT

1. Turn on the receiver, but the indicator is not lighted.
 - ☆ Make sure if the power cable is well fixed. Is the socket in good condition? Is the fuse blown?
2. When you speak, the "AUDIO" light twinkles, but no sound output.
 - ☆ Make sure if the volume keep in lowest place, or the audio cable is not fixed well.
3. The effective signal-receiving distance becomes close. And signal receiving is not well.
 - ☆ Perhaps you have not installed the antennas. Perhaps you should change a new battery. Perhaps the receiver is not put in right place. Perhaps there is a strong magnetic field in your surroundings.
4. Timbre becomes bad
 - ☆ Perhaps the voltage of the battery is not enough. You need to change. Perhaps there are the same frequency signals in your surroundings. Do not use two machines with the same frequency at the same time in a place. (Separate them at least 80m.)
 - ※ Don't open and repair it when some serious breakdown happens. Please connect the seller or our company, we'll help you honestly, Thank you!