



TVM PDWM3100 UHF DSP Wireless Microphone System User Manual

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UHF Introduction

Welcome you to our company 's Professional Wireless Microphone System! Let us take you into a new world of intelligent, multi-functional, wireless systems!

UHF DSP Wireless Microphone System specification

Modulation Method:FM Frequency Range:510-560MHz,2X100CHs Sampling Ratio:48KHz Transmission Rate:204.8Kbps Dynamic Range: >90dB Total Harmonic Distortion: <0.1% Delay Time of Audio Transmission: <3ms S/N Ratio:>96 dB Frequency Response:30 ~ 20 KHz RX Sensitivity:<-94dBm Unique ID Address:YES

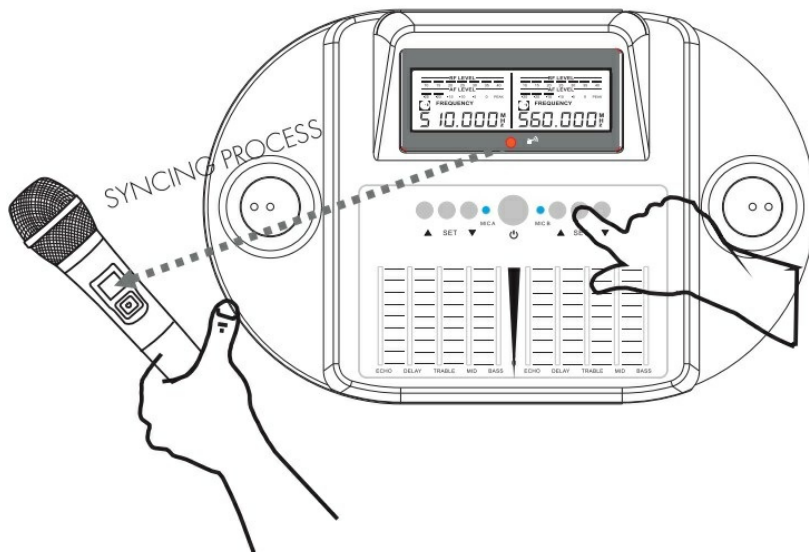
Some tips to improve the performance of the system

- The transmitter and antenna should kept in the relative position of accessibility of the straight line.
- Don't put the receiver close to the metal surface or near any digital device (such as the CD player, computer etc.)
- Try to place the receiver in height of 1.5 meters from the ground and the position of a distance of 1 meter away from the wall.

Body pack transmitter stinting

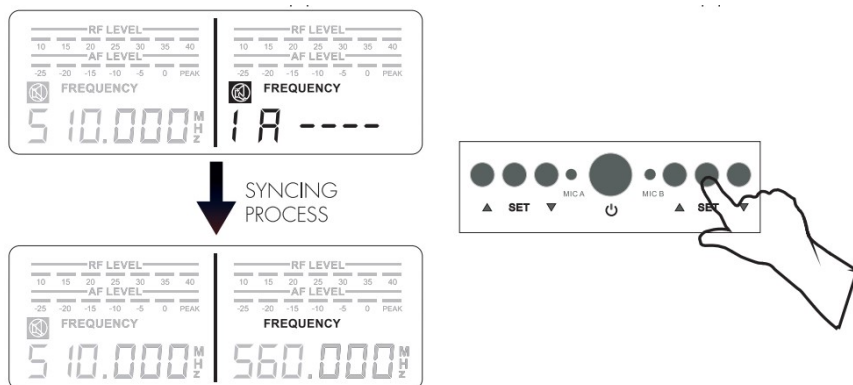
HOW TO MATCH RECEIVER'S FREQUENCY WITH MICROPHONE

STEP 1: Turn ON the microphone, point the microphone infrared port (IR] direcily at the receiver's IR PORT.



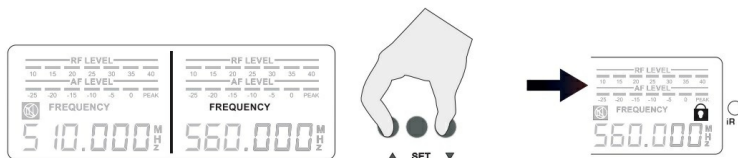
Note Please make sure that the other handheld microphone is powered off when adjusting the frequency on one microphone.

STEP 2: Press and hold "SET" until "8- -" displays. Once syncing is completed the RF level bar appears and the "MUTE" icon disappears



HOW TO LOCK/UNLOCK THE DISPLAY

Press and hold “UP ▲” and “DOWN ▼” at the same time to lock /unlock the setting



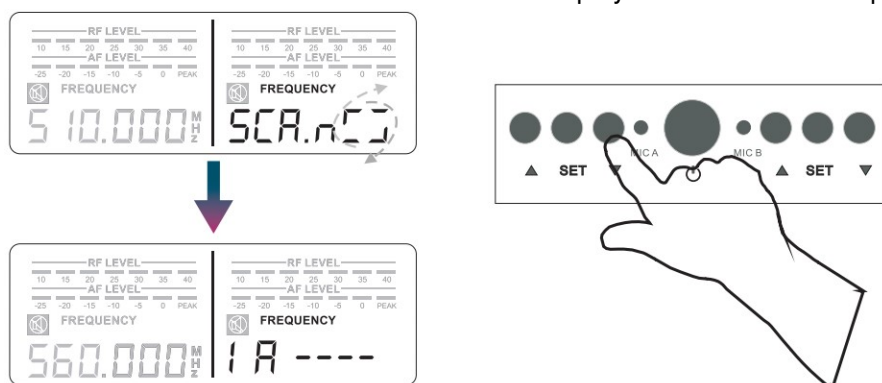
OPERATION

HOW TO SELECT FREQUENCIES/CHANNELS FOR THE RECEIVER

The 2-in-1 Base Module comes with two handheld microphones and each microphone is preset with 50 frequency channels. The frequency can be selected either automatically or manually.

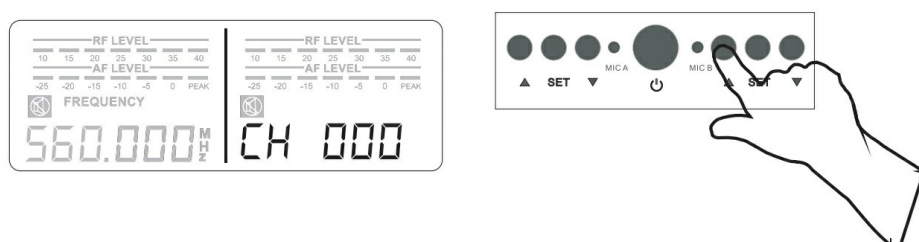
1. AUTOMATIC FREQUENCY/CHANNEL SELECT

Press and hold “DOWN ” ▼ until “SCR.a” 3” displays. Then the best frequency will be selected

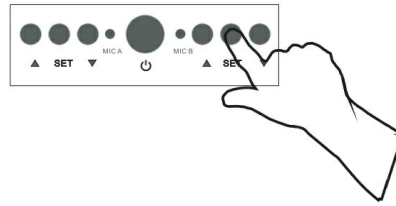
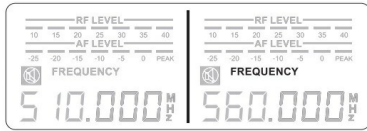


MANUAL FREQUENCY/CHANNEL SELECT

STEP 1: Press and hold “UP ▲” on the receiver until the channel blinks. e MuTE

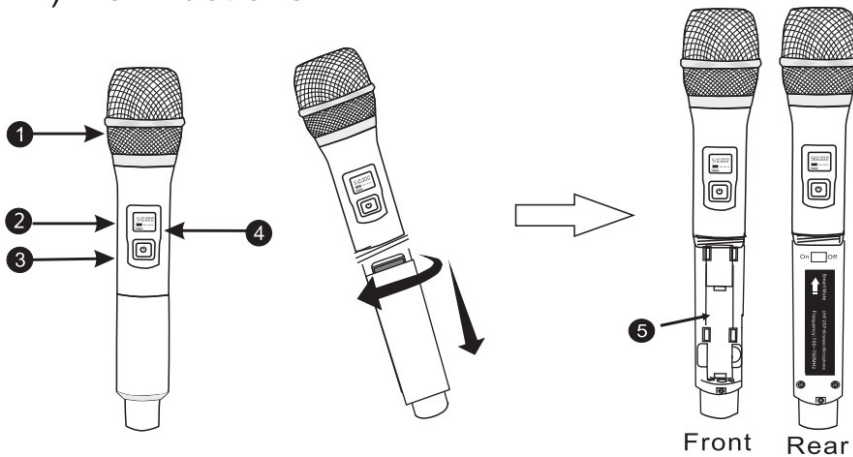


STEP 2: While the channel is blinking, press “UP ▲” or “DOWN ▼” to select the desired channel. Then press “SET” to confirm the channel.



Hand-held Transmitter

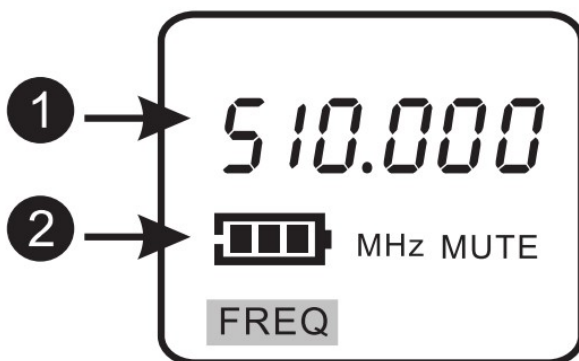
1. Main functions




1. Microphone head
2. LCD display window
3. Power Switch
4. Infrared receiving window
5. Battery house

Transmitter display content

1. Handheld microphones transmit frequency/The number of channels
2. Battery indicator



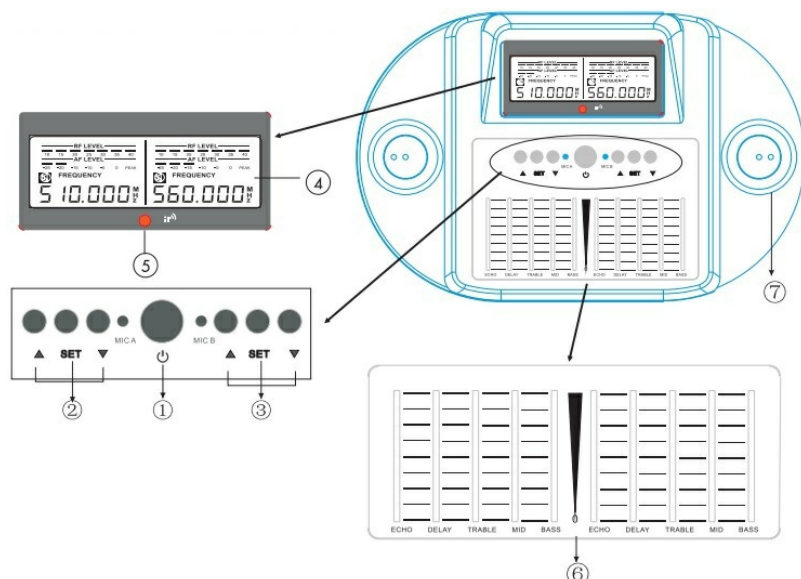
Replace the battery

Two polar batteries are expected to use for 8 hours. When the battery power displays  as empty and flashing,

you should replace the batteries at once. This replace step is shown in the figures on the left.

Receiver Function

CONTROLS AND FUNCTIONS

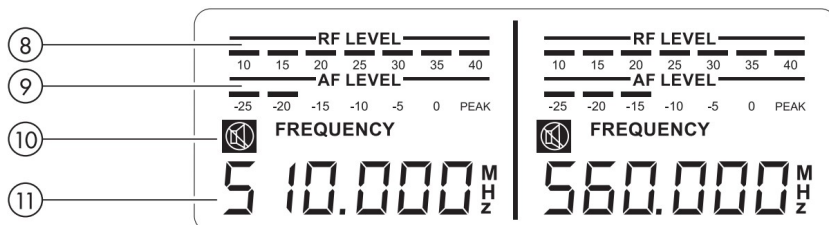


FRONT PANEL:

1. **POWER BUTTON:** Turns the system on/off.
2. **MIC 1 SELECTOR BUTTONS (UP/SET/DOWN):** Allows control of LCD screen and functions for Microphone 1.
3. **MIC 2 SELECTOR BUTTONS (UP/SET/DOWN):** Allows control of LCD screen and functions for Microphone 2
4. **LCD SCREEN:** Displays system status.
5. **IR PORT:** Infrared port for the Wireless Infrared Auto Sync System. Pointing the handheld @cr(.)phones infrared port at the receiver's infrared port to allow communication.
6. **Sound console:** Adjust the sound tone: echo ,delay ,treble, mid, bass.
7. **Recharge port:** Put in the microphone recharge.

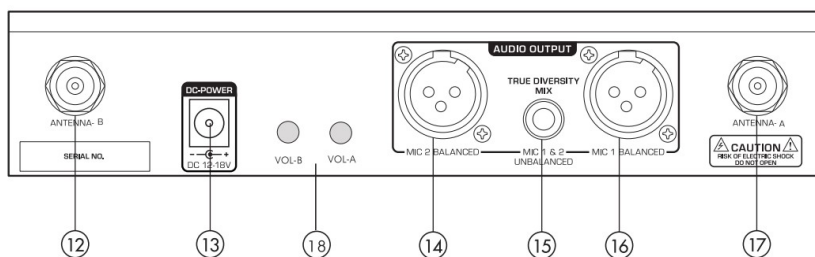
LCD PANEL:

After turning on the “POWER”, LCD screen will display the following:



8. **RADIO FREQUENCY LEVEL:** Strength indicator of radio signal
9. **AUDIO FREQUENCY LEVEL:** Strength indicator of incoming audio signal.
10. **MUTE:** Indicates if microphone is powered off.
11. **FREQUENCY & CHANNEL:** Displays current frequency and channel.

REAR PANEL:



12. **ANTENNA-A:** Connect the antenna fo the BNC socket.
13. **POWER SUPPLY:** For power adapter with DC12~18V 500mA.
14. **MIC 2 BALANCED OUTPUT:** Balanced XIR audio oufpu.
15. **MIXED OUTPUT:** Unbalanced 1/4" audio output for MIC 1 & MIC 2.
16. **MIC 1 BALANCED OUTPUT:** Balanced XIR audio oufput.
17. **ANTENNA-A:** Connect the antenna fo the BNC socket.
18. **VOL -A,VOL-B:** Control the microphone- A or channel -B volume

This device complies with Part 15 of the FCC Rules. Operation is subject to the following two conditions:

1. this device may not cause harmful interference, and
2. this device must accept any interference received, including interference that may cause undesired operation

NOTE: This equipment has been tested and found to comply with the limits for a Class B digital device, pursuant to Part 15 of the FCC Rules. These limits are designed to provide reasonable protection against harmful interference in a residential installation. This equipment generates, uses and can radiate radio frequency energy and, if not installed and used in accordance with the instructions, may cause harmful interference to radio communications. However, there is no guarantee that interference will not occur in a particular installation.

If this equipment does cause harmful interference to radio or television reception, which can be determined by turning the equipment off and on, the user is encouraged to try to correct the interference by one or more of the following measures:

- Reorient or relocate the receiving antenna.
- Increase the separation between the equipment and receiver.
- Connect the equipment into an outlet on a circuit different from that to which the receiver is connected.
- Consult the dealer or an experienced radio/TV technician for help.

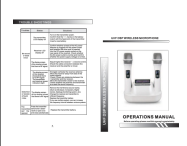
Warning: changes or modifications not expressly approved by the party responsible for compliance could void the user's authority to operate the equipment

The devices has been evaluated to meet general RF exposure requirement , the device can be used in portable exposure condition without restriction

Ant.	Atnenna Br and	Antenna M odel Name	Antenna Ty pe	Connector	Gain (dBi	EIRP(dBm	NOTE
1	N/A	FTGB	Sting Antenna	N/A	2.32	70	Antenna



Documents / Resources

	<p>TVM PDWM3100 UHF DSP Wireless Microphone System [pdf] User Manual 2AAGH-PDWM3100, 2AAGHPDWM3100, pdwm3100, PDWM3100, UHF DSP Wireless Microphone System, PDWM3100 UHF DSP Wireless Microphone System, DSP Wireless Microphone System, Wireless Microphone System</p>
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