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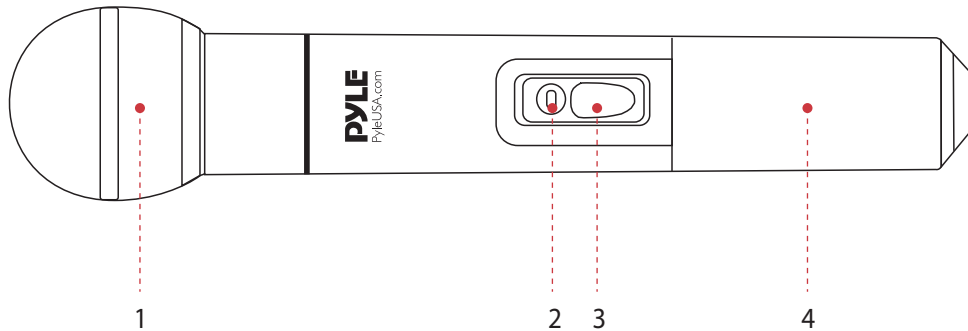
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**PDKWM102UM**  
**Handheld Dynamic UHF Mic System**  
Dual Fixed Frequency Wireless Karaoke Mixer,  
RCA/Aux/Mic Inputs with Echo Control

**User Manual**

## HANDHELD MICROPHONE



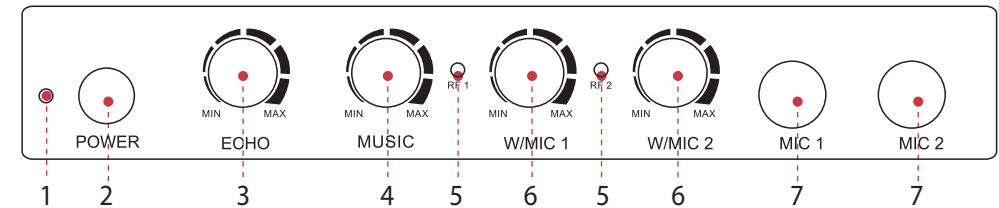
1. Grille (capsule inside)
2. Power/Low battery Indicator
3. Power ON/OFF/MUTE Switch
4. Battery Compartment/Cover

## MICROPHONE OPERATION

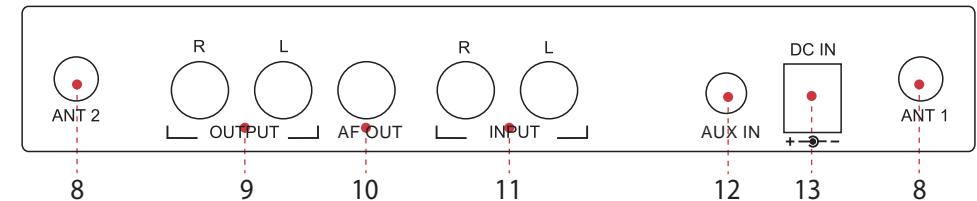
1. Open battery cover. Install the provided 2pcs 1.5V AA batteries and then close the cover. Pay attention to the correct polarity.
2. Slide power switch to "ON" position to turn on the microphone. Power indicator will flash once and then go off. This indicates correct operation.
3. Now receiver RF indicator should light. Please confirm frequency of microphone same as the receiver before operation.
4. Slide power switch to center "MUTE" position to mute the sound.
5. During operation if power indicator lights red, this indicates the battery is low. Please replace new battery.
6. If the microphone is not going to be used for any length of time, please slide power switch to OFF position and remove the battery.

## RECEIVER PARTS DESCRIPTION

### Front



### Rear

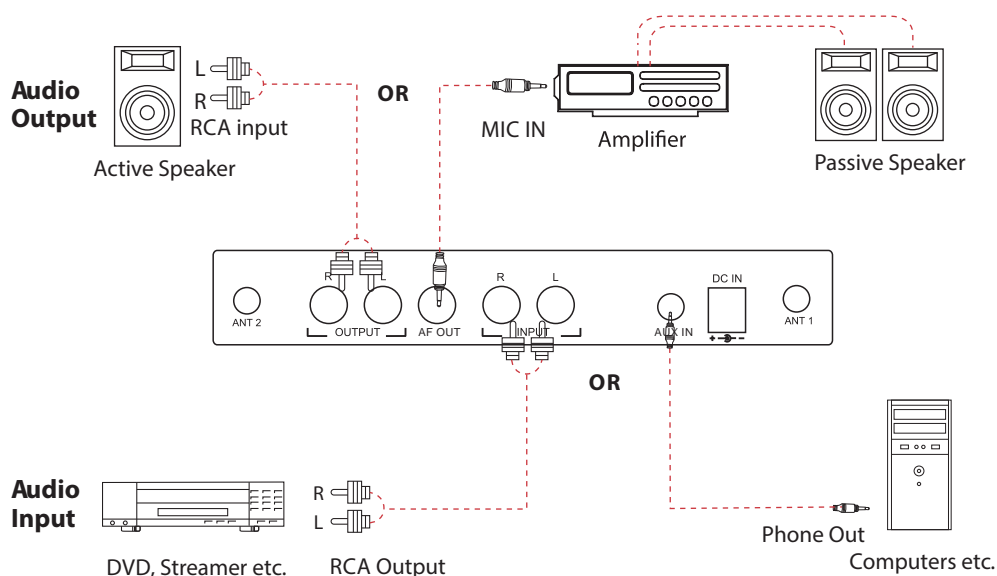


1. **Power Indicator:** The indicator will be illuminated when the receiver is powered ON.
2. **Power Switch:** Press to switch the receiver power to ON and OFF.
3. **ECHO:** Rotate the echo knob to your desired level.
4. **MUSIC:** Rotate to adjust volume of input music.
5. **RF 1/2:** The indicator will be illuminated when wireless microphone is on.
6. **W/MIC1/W/MIC2:** Rotate to adjust volume of wireless microphone 1/2 and wired dynamic MIC 1/2.
7. **MIC 1/2:** Insert the 6.3mm MIC plug of wired dynamic MIC (not provided) into MIC 1/2 jack.
8. **ANT 1/2:** Receiving antenna of wireless microphone.
9. **Audio output jack (RCA type):** Connect this set of RCA Jack to Active Speakers, Hi-Fi system, etc. to output the final mix of music and microphone.
10. **AF OUT:** Connect this jack to MIC IN of your amplifier to output the final mix of music and microphone.
11. **Audio Input Jack (RCA type):** Connect this set of RCA jacks to an audio source with RCA output such as DVD, Streamer etc. to bring in the music.
12. **Aux In (3.5mm stereo type):** Connect this jack to an audio source with phone out such as computer, iPad, mobile phone etc. to bring in the music.
13. **DC IN jack:** Connect DC jack of supplied AC/DC adapter to this jack.

## OPERATION

1. Connect the receiver to Amplifier(or Speaker) and Audio source (Refer to CONNECTION).
2. Connect DC plug of supplied AC/DC adapter to DC IN jack on rear panel of the mixer. Connect AC plug of AC/DC adapter to mains power socket.
3. Turn the receiver power on. Power indicator will be illuminated.
4. Turn the microphones power on. RF indicators on receiver will light.
5. Turn on your Amplifier (or Speaker) and Audio source.
6. Adjust Echo, MIC volume and music volume to your desired level.
7. Now you are ready to sing!
8. You can add 2 wired dynamic microphones (need to buy separately) to have 4 persons sing simultaneously. Connect wired dynamic MIC into MIC 1/MIC 2 Jacks on front panel of the mixer.

## CONNECTION



## AUDIO INPUT

To bring in music, connect audio source to L/R RCA INPUT jack on the back of receiver with the provided RCA cables (white and red) if your audio source has RCA output, such as DVD, Streamer etc. or connect audio source to AUX IN jack on the back of receiver with the provided 3.5mm/3.5mm cable if your audio source has 3.5mm phone out, such as iPad, Smartphones, Tablets, Laptops, Computers, etc.

## AUDIO OUTPUT

Both the ¼ inch AF OUT jack and the left/right RCA output jacks on the back of the receiver output the final mix of music and microphone. To output the sound you need to have an additional audio device (speaker or amplifier).

Connect the left/right RCA output jacks on back of receiver to RCA input jacks on active speaker with supplied RCA cables. Or connect the ¼ inch AF OUT jack on the back of receiver to MIC input jack on amplifier with supplied ¼ inch cable.

## FCC RULES AND REGULATIONS

**This device complies with Part 15, Subpart B 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 that is received, including any interference that may cause undesired operation.

## WARNING:

*Changes or modifications to this unit not expressly approved by the party responsible for compliance could void the user's authority to operate the equipment.*

### FEATURES:

- Hassle-Free Wireless Microphone System
- Echo Control
- Music Volume Control
- Two Individual MIC Volume Controls
- Two Wired MIC Inputs
- Stereo RCA Audio Input and Stereo 3.5 AUX Input
- Stereo RCA Audio Output and 6.35 Mono Output
- Rugged Construction & Steel Mesh Grill
- Convenient ON/OFF Power Switch Control
- Ultra-Wide Frequency Range
- Built-in Acoustic Pop Filter
- Ideal for Speech, Karaoke & More

### WHAT'S IN THE BOX:

- (2) Handheld Microphone
- Receiver
- Power Adapter
- (2) Audio (2RCA) Cable
- Audio (3.5mm) Cable
- Audio (6.35mm) Cable
- (4) 'AA' Batteries

### RECEIVER TECHNICAL SPECS:

- LINE Input Sensitivity: 380mV/-8.5dB
- MIC Input Sensitivity: 5mV/-46dB
- LINE Input Impedance: 20 K $\Omega$
- MIC Input Impedance: 600  $\Omega$
- Power Supply: DC 12V/200mA
- Construction Material: Engineered ABS
- Receiver Dimensions (L x W x H): 6.7" x 4.4" x 1.3" -inches

### HANDHELD MICROPHONE:

- Mic Capsule: Dynamic
- Antenna: Built-in Housing
- RF Output: <10mW
- Spurious Emission: <-40dB
- Power Supply: 2x 1.5V AA Batteries
- Current Dissipation: <120mA
- Construction Material: Engineered ABS and Aluminum
- Microphone Dimensions (L x D): 9.6" x 1.5" -inches

### TECHNICAL SPECS:

- **Frequency:**
  - S12: F1 (517.6MHz) + F2 (521.5MHz)
  - S34: F3 (533.7MHz) + F4 (537.2MHz)
- Frequency Response: 80Hz~18KHz at  $\pm$ 3dB
- Frequency Stability: 20 ppm
- Modulation Mode: FM
- Maximum Deviation: +/-75 KHz
- Audio Dynamic Range: >90dB
- S/N: >95dB
- T.H.D: <0.5%
- Operating Range: Up to 165' ft.
- Operation Temperature: -68°F~122°F

