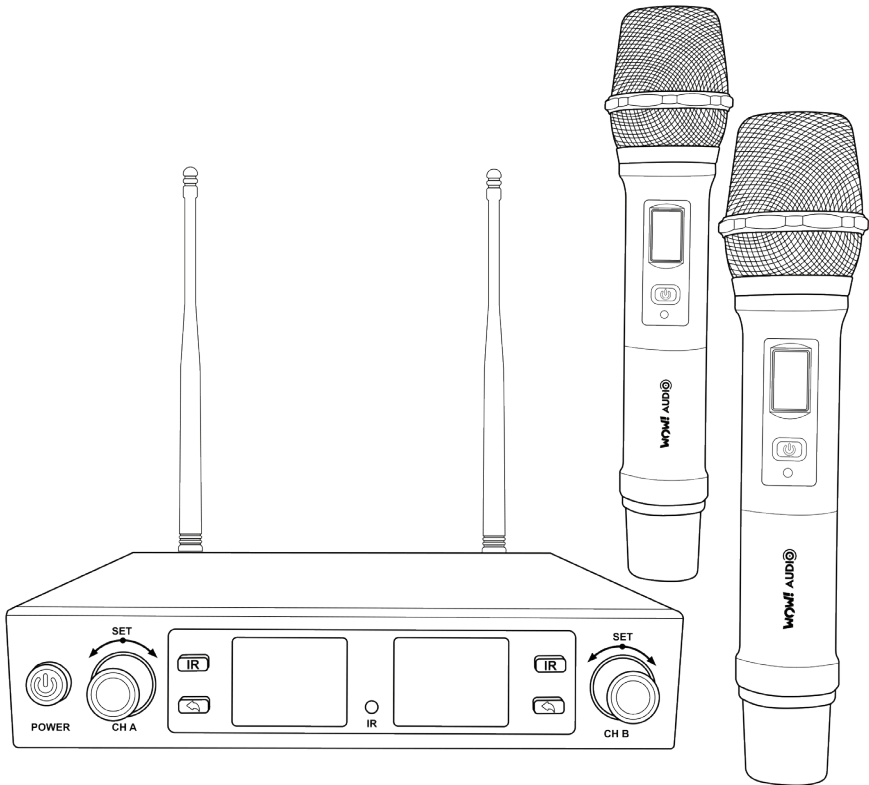




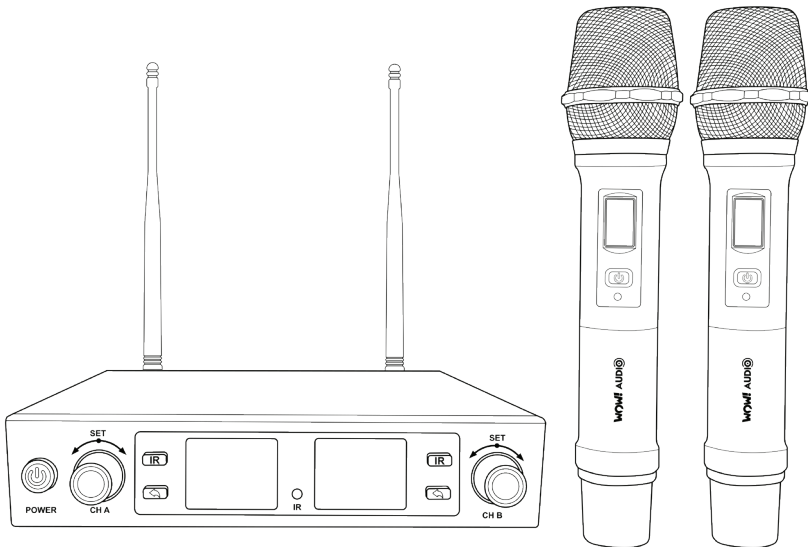
DUAL UHF
WIRELESS MICROPHONE SYSTEM
WAM-V400

USER MANUAL

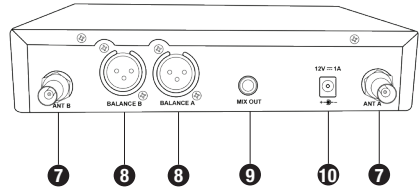
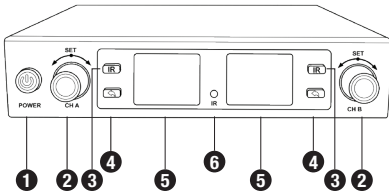


Features Overview:

- Graphical spectrum scanning technology effectively avoids interference frequencies.
- Multiple timbres are available, making the sound brighter and more impressive, suitable for various occasions.
- Unique digital ID code pilot technology completely eliminates the same frequency crosstalk phenomenon.
- Intelligent mute function and horizontal static mute function are included.
- The receiver features a color TFT display, while the transmitter utilizes an OLED display. The interface is clear, and operation is convenient.



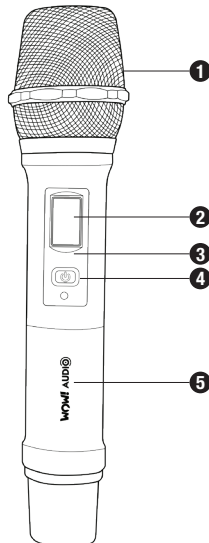
A. Receiver Product Label



1. Power On/Off
2. Function Setting
3. IR frequency Button
4. Back Menu Button
5. Display Screen

6. Infrared
7. Antenna
8. Balance Output Interface
9. Mixed Output
10. Power Input


B. Transmitter Product Label



1. Metal Head
2. Display Screen
3. Infrared Frequency Window
4. Power On/Off
5. Battery Cover

C. Receiver System Menu Description


System Menu 1: Channel Setting

1. Press the function setting knob to enter the channel setting interface. The working frequency of the receiving host can be adjusted.
2. Each terminal provides  selectable frequencies with a total of 25MHz bandwidth that can be adjusted for selection.
3. After setting the channel, press IR to quickly return to the main interface.
4. Then, press the IR key to perform infrared frequency operation. Refer to the frequency operation of the corresponding transmitter.

System Menu 2: Automatic Frequency Search

1. Press the function setting knob to enter the automatic frequency search interface.
2. The system automatically searches for the least-interference channel in the workspace and locks it.
3. The entire search will take about 55 seconds. Do not turn off the power or perform other functions during the search.
4. Once the search is complete, the system locks onto the cleanest available frequency.
5. At this point, perform infrared frequency operation. Refer to the frequency operation of the corresponding transmitter for further instructions.

System Menu 3: Custom Frequency Settings

1. Press the function setting knob to enter the custom frequency setting interface.
2. The operating frequency can be set with a step frequency of 0.025MHz.
3. Choose from  optional frequencies within the effective bandwidth for selection.

System Menu 4: Receiving Sensitivity Adjustment

1. Press the function setting knob to enter the receiving sensitivity adjustment interface.
2. The machine offers a total of eight sensitivity choices.
 - 2.1. A smaller value indicates lower sensitivity and shorter receiving distance.
 - 2.2. A larger value indicates higher sensitivity and longer receiving distance.

Note: The higher the sensitivity of the receiver, the more chances of interference.

Please flexibly set the receiver sensitivity according to the environment used.

System Menu 5: Electronic Volume Adjustment

1. Press the function setting knob to enter the electronic volume adjustment interface.
2. Adjust the knob to increase or decrease volume. Volume adjustment range is 0 to 30.
3. The default value is 28. Please flexibly control the volume according to the environment.
4. In standby mode, you can quickly adjust the volume using the function setting knob.

System Menu 6: Audio Mode

1. Press the function setting knob to enter the audio mode adjustment interface.
2. Choose Mic or Line audio output mode based on different use occasions.

System Menu 7: Audio Equalizer

1. Press the function setting knob to enter the audio equalizer adjustment interface.
2. Choose from four EQ modes to adjust timbre output according to personal preferences and environmental needs.

System Menu 8: Pilot Setting

1. Press the function setting knob to enter the pilot setting interface.
2. The system uses digital ID code pilot technology for strong anti-interference capability.
3. Enable or disable the pilot function as required. It is recommended to set it to "on" to enhance anti-interference capability.

System Menu 9: Spectrum Analysis

1. Press the function setting button to enter the spectrum analysis interface.
2. This function detects and graphically displays the current electromagnetic environment.
3. Helps users set the correct working frequency to effectively avoid interference.

System Menu 10: Factory Reset

1. Press the function setting knob to enter the factory reset interface.
2. Restore system parameters to the factory default state as required.

System Menu 11: Language Choice



1. Press the function setting knob to enter the language selection interface.
2. Choose between Chinese or English for the system menu as required.

System Menu 12: System Function Lock

1. Press the function setting knob to enter the system function lock interface.
2. Lock or unlock system functions as needed.
3. In locked mode, volume adjustment and IR frequency key functions remain active, while other functions are locked.

D. Handheld Transmitter Menu Description

System Menu 1: Mute/Unmute the Microphone

1. Power on the transmitter (short press to turn on, long press to turn off).
2. Press the power button once. The [] icon on the display indicates that the microphone is muted with no sound output.
3. Press again the power button, and the [] icon on the display indicates that the microphone is unmuted and sound output is available.

System Menu 2: Transmit Power Adjustment

1. Quickly press the power button three times while the microphone is on. The power indicator character flashes on the display.
2. **RF-LO** indicates low power.
3. **RF-HI** indicates high power.
4. At this time, you can short press the power button to select the required power output.
5. After you stop operations for 3 seconds, the system locks and exits the adjustment interface.

System Menu 3: Automatic Mute Setting

1. Long press the power button for 5 seconds while the microphone is off to enter the automatic mute setting interface.
2. Short press the power button again to set the automatic mute.
3. **GYRO: ON** indicates that automatic mute is enabled.
4. **GYRO: OFF** disables automatic mute.
5. After you stop operations for 3 seconds, the system locks and exits the adjustment interface.

When auto mute is turned on, if the microphone is at rest for about 5 seconds, the display shows the "SLEEP" characters, indicating microphone automatic mute activation with no sound output. The microphone will automatically unmute if there is slight movement. If the silence time exceeds 3 minutes, the system will perform an automatic shutdown to save battery power.

E. Transmitter Infrared Frequency Description

1. **Power** on the transmitter and receiver. Press the IR key on the receiver panel. The infrared icon on the display flashes, and the red light flashes in the infrared emission window.
2. Align the frequency window of the handheld transmitter and the infrared frequency window of the receiver in a straight line. It is best to keep the distance within 30 cm.
3. After the frequency operation is successful, the transmitter frequency is changed to match the receiver **frequency**

F. Technical Specifications

Receiver

Frequency range :	640-690MHz
Number of adjustable channels:	2000
Frequency stability :	0.002PPM
Receiving sensitivity:	-100dB
Frequency response :	50Hz-18KHz(± 3 dB)
Harmonic distortion :	< 0.5%
S/N ratio :	> 105dB
Dynamic range:	105dB
Max frequency deviation :	± 48 KHz
Spurious suppression :	> 75dB
Audio output:	Balanced output and unbalanced output
Power:	12V DC/1000mA

Transmitter

Frequency range :	640-690MHz
Output power:	5mW/15mW
Subcarrier rejection :	> -70dBc
Frequency bandwidth:	50MHz
Max modulation depth :	± 48 KHz
Frequency response:	50-15KHz
S/N ratio :	> 105dB
THD:	< 0.5%
Input voltage range:	MIC 1V max
Power:	2X1.5V(AA)
Battery life:	8 hours(1300mAh) rechargeable battery)



**WARRANTY
REGISTRATION
& SUPPORT**