



DDM-257 UHF Wireless Microphone System

694.5 - 702.5MHz and 748.3 - 756.3 MHz



USER MANUAL

Receiver panel introduction



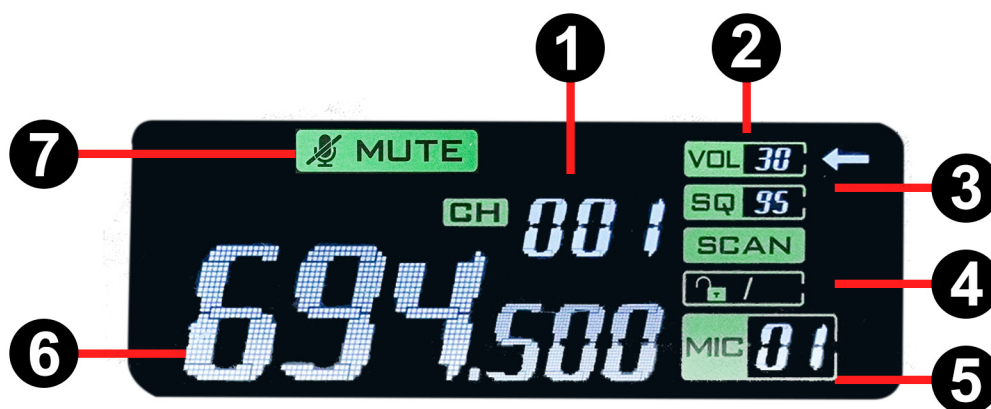
1. Power switch button/volume/frequency adjustment knob
2. Menu entry button
3. Channel display window
4. AF radio frequency indicator
5. Independent binding button
6. Infrared pairing window
7. RF audio indicator
8. Lock setting button

Remarks: A/B Channel is same. will not state again.



1. CH-A/B Antenna Interfaces
2. CH-A/B Balanced output
3. Mix output
4. DC Power Interface

Receiver Screen Display Introduction



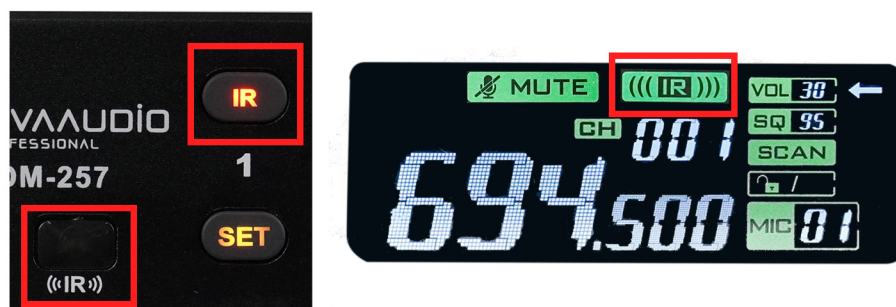
- | | |
|------------------------------|------------------------------|
| 1. Working channel display | 5. Microphone Number |
| 2. Microphone volume display | 6. Working frequency display |
| 3. Squelch display | 7. Mute Status |
| 4. System lock/unlock icon | |

Handheld transmitter introduction



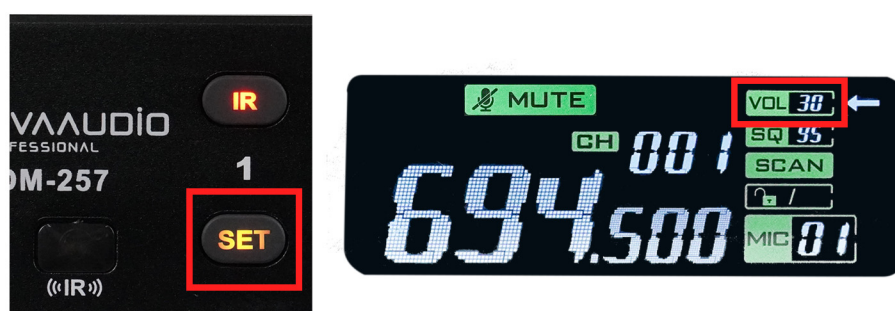
- | | |
|-----------------------|-----------------|
| 1. Net | 5. Dynamic core |
| 2. LCD screen display | 6. Upper tube |
| 3. Power switch | 7. Battery case |
| 4. Underneath tube | |

Receiver System menu Introduction



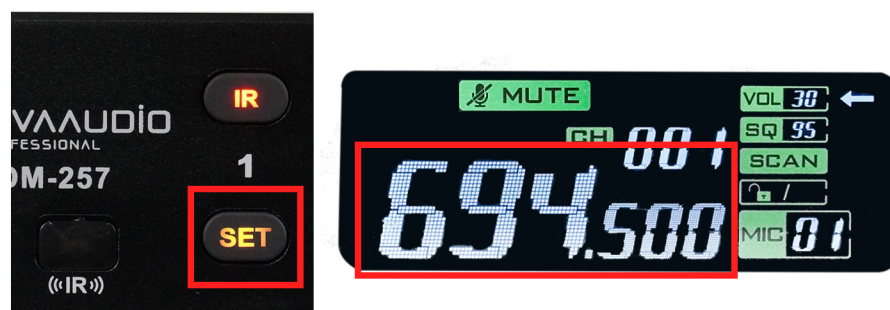
System Menu 1 : Infrared IR Linking

Press the " IR "key will display "---- " status. Receiver will transmit infrared frequency data of the channel, pls make receiver's IR window face to transmitter's IR window and keep on same straight line of each other ,their distance should not exceeds 30CM, when IR linking operation is successful, transmitter's working frequency will automatically change to be the same frequency as receiver, then system will begin to work.



System menu 2 : Volume adjustment

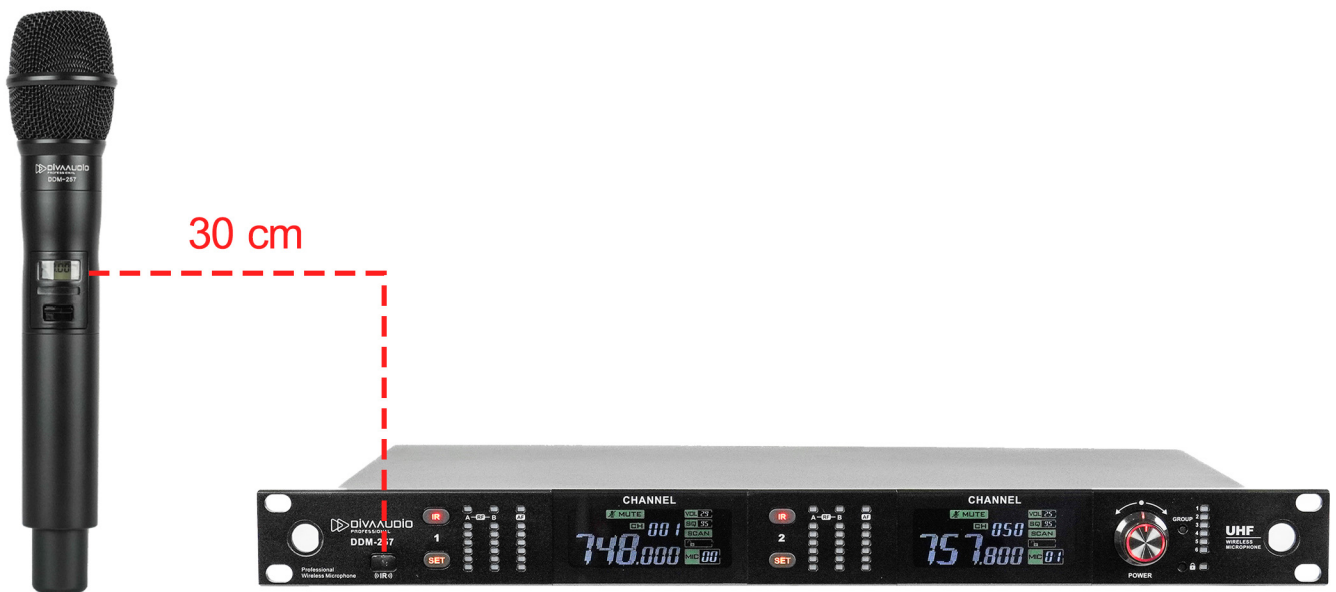
Press the SET button once , VOL30 will be in the flashing state , turn the knob to adjust the volume, turn to the left to decrease the volume , turn to the right to increase the volume , press the knob to confirm the current setting.



System menu 3 : Manual adjusting

Press the SET key twice , and turn the knob left and right to adjust the working frequency of the corresponding channel . There is 41 channels each side that can be adjusted. Each channel has 200KHz . After adjusting frequency, press the knob to confirm the current setting , and then match the frequency

Handheld transmitter frequency sync introduction



1. Turn on the power for receiver and handheld transmitter, and then press “SET” button on the receiver, screen display “-----” status.
2. Put handheld transmitter IR port at the same level to the receiver IR port, face to face, keep distance within 30cm.
3. Receiver screen display the frequency, the transmitter frequency same as the receiver, frequency sync operation finished.

Remak: If frequency sync fail, please repeat above steps

System Specifications

System Technical Index:

- Frequency range: 694.5 - 702.5MHz and 748.3 - 756.3MHz
- Modulation method: frequency modulation
- Adjustable range: 8 MHz
- Number of channels: 82 (2X41CH)
- Channel spacing: 200KHz
- Frequency stability: $\pm 0.005\%$
- Dynamic range: 105dB
- Audio response: 60Hz-18KHz ($\pm 3\text{dB}$)
- Output power: Low power 5mW/High power 30mW
- Comprehensive signal-to-noise ratio: $>105\text{ dB}$
- Comprehensive distortion: $\leq 0.5\%$
- Working temperature: $-10^{\circ}\text{C}\sim+40^{\circ}\text{C}$

Receiver Technical:

- Frequency range: 694.5 ~ 702.5MHz and 748.3-756.3 MHz
- Number of channels: 82 (2X41CH)
- Frequency stability: 0.002ppm
- Receiving sensitivity: -100dBm
- Audio response: 60Hz-18KHz ($\pm 3\text{dB}$)
- Harmonic distortion: $< 0.5\%$
- Wireless interface: BNC/50 Ω
- Dynamic range: 105dB
- Spurious suppression: $>75\text{dB}$
- Maximum output level:+10dBV
- Audio output: balanced output and unbalanced output
- Working voltage and current: 12V 1000mA

Transmitter Technical:

- Frequency range: 694.5 ~ 702.5MHz and 748.3-756.3 MHz
- Output power: Low power 5mW/High power 30mW
- Power Supply: AA 1.5V x2
- Use time: High power 10 hours/Low power