

# PROFESSIONAL WIRELESS MICROPHONE SYSTEM

## WIRELESS SYSTEM

Please read this instruction carefully before use to understand the correct operation method and obtain the best use effect.

## SYSTEM FEATURES

### MICROCOMPUTER CPU CONTROL

The hardware circuit of the whole system is controlled by the microcomputer CPU, which can perform functions such as frequency selection, display, frequency data processing and automatic channel tracking, and realize various functions that are not easy to achieve in traditional models.

### LARGE AND CLEAR LCD DISPLAY

Using high-performance, large and clear dual LCD display, all operations can be displayed on the LCD screen, which is convenient for users to understand the working status of the system and set the system. The display contents include: RF signal, audio signal strength, channel and frequency, working status, etc.

### ANTI-INTERFERENCE MULTI-CHANNEL DESIGN / DEDICATED TO KTV BOXES

The system uses a variety of anti-interference technologies. The system has preset 200 frequency points that do not interfere with each other when leaving the factory. The reasonable design is convenient for users to use multiple systems at the same time. It is an ideal product for KTV boxes.

### SENSITIVITY ADJUSTMENT/NOISE DETECTION ANTI-NOISE FUNCTION

The system is equipped with a sensitivity adjustment potentiometer, and also adopts the noise detection and anti-noise technology, which can easily adjust the receiving sensitivity and effectively reduce the noise caused by the interference of environmental factors.

### BATTERY STATUS INDICATION/LOW BATTERY WARNING FUNCTION

The battery power of the handheld transmitter and bodypack transmitter can be displayed on their respective LCD screens in real time, and a warning prompt will be issued when the battery is low to remind the user to replace the battery in time to ensure the normal operation of the system.

### AUDIO OUTPUT

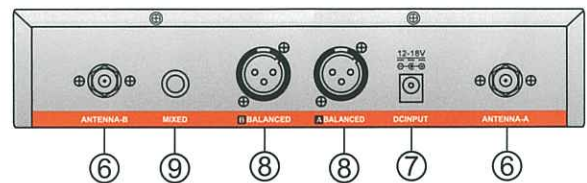
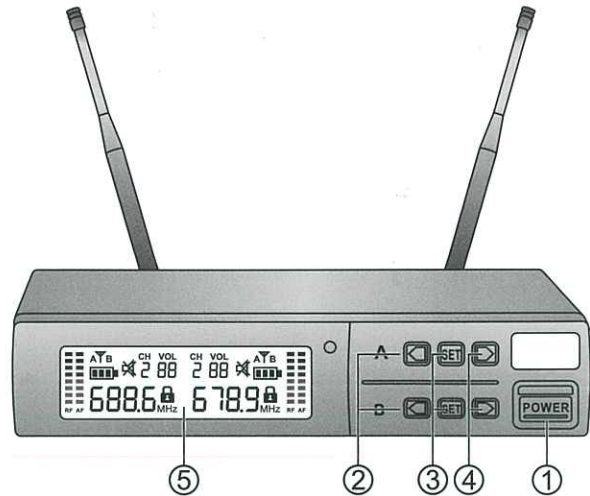
The audio output has two modes: XLR balanced socket output and 6.3 unbalanced socket output, which is convenient for users to connect to different external devices.

## COMPREHENSIVE CHARACTERISTICS

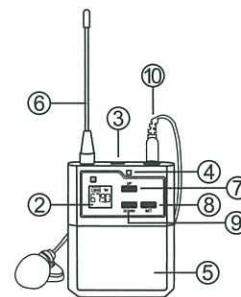
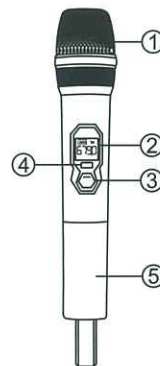
Carrier frequency range: 640MHz-690MHz  
 Bandwidth: 60MHz  
 Modulation method: FM frequency modulation  
 Maximum frequency deviation:  $\pm 45$ KHz  
 Frequency Response: 100Hz-300Hz  
 Signal-to-noise ratio (S/N):  $> 50$ dB  
 Distortion (1kHz):  $< 5\%$   
 Working temperature:  $-10^{\circ}\text{C} \sim 55^{\circ}\text{C}$   
 Working distance: 100 meters  
 Power consumption: 8W  
 Static power: 3W

## RECEIVER

Oscillation Mode: PLL (Digital Synthesizer)  
 Spurious suppression:  $\geq 50$ dB  
 Image rejection:  $\geq 50$ dB  
 Sensitivity: 5dBuV  
 Audio output level:  
 Balanced output (XLR output jack): 250mV/600 $\Omega$   
 Unbalanced output (1/4" output jack): 400mV/3K $\Omega$   
 Working voltage: DC 12-18V  
 Working current:  $\leq 350$ mA  
 Chassis size: 420(W)X155(D)X42(H)mm



- |                              |                          |
|------------------------------|--------------------------|
| 1. Power switch              | 6. Antenna socket        |
| 2. Frequency volume up key   | 7. Power socket          |
| 3. Frequency setting key     | 8. Balanced output jacks |
| 4. Frequency volume down key | 9. Audio output jack     |
| 5. LCD screen                |                          |



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|---------------------------------|
| 1. Microphone pickup            |
| 2. LCD screen                   |
| 3. Power switch                 |
| 4. The frequency window         |
| 5. Battery compartment          |
| 6. Antenna                      |
| 7. Frequency up key             |
| 8. Frequency setting key        |
| 9. Frequency down key           |
| 10. Lavalier/headwear interface |

## HANDHELD TRANSMITTER

RF power output: 30mW max  
 Oscillation Mode: PLL (Digital Synthesizer)  
 Transmit frequency stability:  $< 30$ ppm  
 Dynamic range:  $\geq 50$ dB(A)  
 Frequency Response: 100Hz-300Hz  
 Maximum input sound pressure: 130 dB SPL  
 Radiation pickup: moving coil  
 Power supply: 2 AA size alkaline batteries

## BODYPACK TRANSMITTER

RF power output: 30mW max  
 Oscillation Mode: PLL (Digital Synthesizer)  
 Transmit frequency stability:  $< 30$ ppm  
 Dynamic range:  $\geq 50$ dB(A)  
 Frequency Response: 100Hz-300Hz  
 Maximum input sound pressure: 130 dB SPL  
 Microphone pickup: condenser  
 Power source: 2 AA alkaline batteries