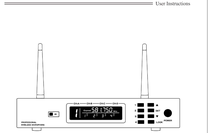
4 CHANNEL WIRELESS MICROPHONE SYSTEM

User Instructions



Model: V10

Please read this instruction manual carefully before use and keep it properly for future use

Product introduction

UHF wireless system

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

Microcomputer CPU control

The hardware circuit of the whole system is controlled by the microcomputer CPU, which can automatically scan and lock the frequency, frequency synthesis, automatic frequency matching, etc., to achieve various functions that the traditional model is not easy to achieve.

Large and clear LCD display

With high performance, wide and clear 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 content includes: RF signal, audio signal strength, channel and frequency, working status, etc.

Anti-interference multi-channel design

The system uses a variety of anti-interference technology, the system has preset a number of non-interference frequency points, reasonable design, convenient for users to use multiple systems at the same time.

Sensitivity adjustment/Noise detection Noise rejection function

The system is with sensitivity adjusting parameters, and adopts noise detection and noise resistance technology, which can conveniently adjust the receiving sensitivity and effectively reduce the noise caused by interference factors

Battery status indicator/low battery warning function

The battery power of the handheld transmitter and the bodypack transmitter can be displayed in real time on LCD screen, and a warning is issued when the battery is low, reminding the user to replace the battery in time to avoid the interruption of the program.

Audio output

The audio output is equipped with XLR balanced socket output and 6.35mm unbalanced socket output, which is convenient for users to connect to different external devices.

Advanced Technology

The system uses high-quality DZT components, reliable surface mounting technology (SMT) production, more stable and reliable performance

Technical parameter

Technical parameter

Comprehensive characteristic
Band width :60MHz
Modulation mode: FM
Maximum frequency offset: ±45KHz
Signal to noise ratio (S/N): >70dB
Distortion degree (SKD): <5%
Operating temperature: -10°C~55°C

Power consumption: 4W
Static power: 5W

Receiver
Spurious suppression: >50dB
Image suppression: >50dB
Sensitivity: 3dbu5
Audio output level: Balanced output (XLR output jack) : 250mV/600 Ω
Unbalanced output (1/4" output jack) : 400mV/1KΩ
Working voltage: DC 12V
Working current: <200mA

Transmitter

Oscillation mode: PLL(Digital Frequency Synthesizer)
Transmission frequency stability: <20ppm
Dynamic range:≥ 70dB(A)
Max input sound pressure: 130dB SPL
Bavlal pickup: moving-coil type
Power supply: 2 AA alkaline batteries

Replace the battery
- The expected use time of two alkaline batteries is about 8 hours.
- When the transmitter light pulsates red, the battery should be replaced immediately.

System component

One drag four system Includes

Handheld systems include:
- Handheld transmitter: 4
- Receiver: 1
- Audio signal connection cable: 1
- Non-slip rings: 4
- Power Adapter : 1
- Antenna: 2
- Manual: 1

Lavalier microphone system includes:
- Belt-pack transmitter: 4
- Lavalier microphone: 4
- Headset microphone: 4
- Receiver: 1
- Audio signal connection cable: 1
- Power Adapter: 1
- Antenna: 2
- Manual: 1

Function description

RECEIVER

Front panel

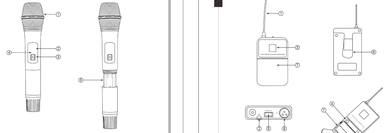
1. Infrared (IR) Port: Pair infrared signals to the transmitter to synchronize the receiver's frequency with the transmitter.
2. LCD Display: Displays the current working status of the system.
3. Menu Button ( ): Press the ▲or ▼ button to adjust the volume or select the frequency pair.
4. Confirm Button (SET): Press to select the frequency point and perform frequency synchronization.
5. Power Switch: Press the power switch to turn on or turn off.
6. Lock Button: Locks the screen to prevent accidental touches.
7. Channel Button: Select a channel to configure its settings.

Rear panel

8. Power Adapter Socket (DC INPUT)
9. ANTENNA
10. BALANCED Output Socket
11. 6.35mm Unbalanced Output Socket (MIX OUT)

Function description

A handheld transmitter



1. Microphone head: including network head and sound head module.
2. LCD display: display working channel, battery power, infrared frequency operation, etc.
3. Power switch: Press and hold for 5 seconds to turn on/off.
4. Infrared receiving window for changing transmitter frequency.
5. Battery compartment: Install two AA alkaline batteries.

Function description

Belt-pack transmitter

1. Antenna
2. Power/indicator light continuous red: power on. Indicator light pulsing red: battery is exhausted (the transmitter can work normally after replacing the battery)
3. LCD screen
4. Infrared port: Receive infrared beam to synchronize the frequency. When used, only one transmitter infrared port should be exposed at a time.
5. Power switch: ON/ Power on, OFF/ off
6. 3 Pin microphone input socket
7. Battery compartment
8. Buckle

Function description

System setting

- Power on transmitter and receiver.
- Connecting the Transmitter:

1. Select the channel you want to configure (Channel 1/2/3/4).
2. Press the SET button twice. When "IR" appears on the screen, align the transmitter's IR window with the receiver's IR window to establish the connection.

Alternatively:

1. Press the SET button once, use the ▲ or ▼ button to select a frequency point, then press SET button to confirm.
2. When "IR" appears on the screen, align the transmitter's IR window with the receiver's IR window to establish the connection.

Once the volume bar appears on the screen, the connection is successful.

- Volume adjustment:

1. Select the channel you want to configure (Channel 1/2/3/4).
2. Press the ▲ or ▼ button to adjust the volume.

Tips for improving system performance

- The transmitter and antenna should be kept in an unobstructed straight line for optimal reception.
- Do not place the receiver near a metal surface or near any digital devices (such as CD players, computers, etc.).
- The receiver should be positioned at least 1 meter above the ground and kept away from walls as much as possible.
- Transmitting devices such as cellular phones and two-way radios can interfere with audio transmission. So the transmitters and receivers should be kept away from these devices and other potential sources of interference.

Connection method

- If the matching is different, please use the correct connection according to the device used

Thank you for your support and trust in our company. Using this wireless microphone will bring you a better audio experience. To ensure proper use of this product, please read the manual carefully and keep this manual properly for reference when necessary.

I. Special precautions for use

- In case of interference from other local frequencies, choose another channel to avoid it.
- To reset or change the operating frequency of the receiver, the amplifier must be turned down to avoid damage to the amplifier equipment.

II. Special precautions for use

1. When the host is used, it should avoid being placed in areas with dead corners to maintain good signal reception.
2. Do not drop or throw the handheld microphone to prevent serious damage.
3. The body is not waterproof, so the equipment should not be exposed to water droplets or splashing, and items filled with liquid, such as vases, should not be placed nearby.
4. Try to stay away from electromagnetic fields, high-voltage transmission poles and large metal objects.
5. Do not disassemble it yourself, as there may be high pressure that could cause injury.
6. When replacing the microphone battery, turn off the power first. Do not blow the discarded battery, please put it into the designated recycling bin.
7. If the microphone is not used for a long time, please take out the battery to prevent battery leakage from damaging the parts.
8. If the receiver does not use for a long time, please unplug the power supply.
9. If any abnormal phenomenon occurs, please stop around the equipment shall not be less than 50 cm.
10. Ventilation holes on equipment should not be covered with items such as newspapers, tablecloths and curtains that impede ventilation.
11. Exposed flame sources, such as lit candles, should not be placed on the equipment.
12. If the machine is dropped or foreign objects enter the machine, please refrain from further use. Instead, contact the seller immediately for the best resolution.
13. This machine does not contain modifiable parts, please do not disassemble and modify, otherwise you will lose the right to warranty.
14. This product can be used in tropical and temperate conditions.

Cleaning machine

Before cleaning and wiping the machine, make sure to disconnect the power supply first. The machine can be cleaned with a soft cloth. For stubborn stains, you can use a small amount of neutral detergent or diluted alcohol solution to wipe it gently. Avoid using chemic gasoline, solvents or wet chemicals on the body, as they may damage the surface finish.

CCPA: DO NOT SHARE MY PERSONAL INFORMATION

Pictures and parameters may be different from the actual, the actual shall prevail, subject to change without prior notice.

FCC Statement

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.

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

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.

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