

# Wireless Microphone User Manual

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### 1. Product Overview:

With the progress of human society and the development of science and technology, audio equipment has also undergone updates and upgrades. Microphones, for example, have evolved from the earliest dynamic microphones to condenser microphones, and from wired microphones to wireless microphones. Wireless microphones come in various types, but the two most commonly used in the entertainment industry are handheld wireless microphones and lavalier (lapel) wireless microphones. As the name suggests, handheld wireless microphones are essential for music enthusiasts;

### 2. Technical Specifications:

1. This product's microphone is powered by two 3V alkaline batteries, while the receiver board is powered by a regulated 5-9V supply.
2. Operating current  $\leq 50\text{mA}$ .
3. Transmission method: Bluetooth 2.4G.
4. Signal-to-noise ratio (S/N):  $>80\text{dB}$ .
5. Analog mono output.
7. Operating temperature range:  $-40^{\circ}\text{C}$  to  $80^{\circ}\text{C}$ .  
Storage temperature range:  $-40^{\circ}\text{C}$  to  $90^{\circ}\text{C}$ .
8. Effective operating distance: 15 meters. It is recommended to use within 15 meters.

### III. Panel and Operation Instructions:

#### 1: Microphone:

1) Press and hold the power button in the middle to turn on the device. The display screen will flash (unconnected state). After the receiver board is powered on, the display screen will remain lit (indicating a connection).

2) Press the volume up/down keys to adjust the sound level, with 5 levels available. The system defaults to maximum volume upon startup.

3) A beep tone will sound when reaching maximum or minimum volume.

4) When the microphone battery voltage drops below 2.0V, the indicator light will flash rapidly, and the system will automatically shut down after 30 seconds.

#### 2: Receiver Board:

1) The receiver board must be powered by a regulated power supply of 5 – 9V.

2) The receiver board should be installed away from interference sources, such as CPU, reverb IC, power supplies, motors, etc.; do not share the ground with them.

Appropriate anti-interference measures should be taken, such as filtering, isolation, and shielding.

## FCC Warning

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.

Any 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.