

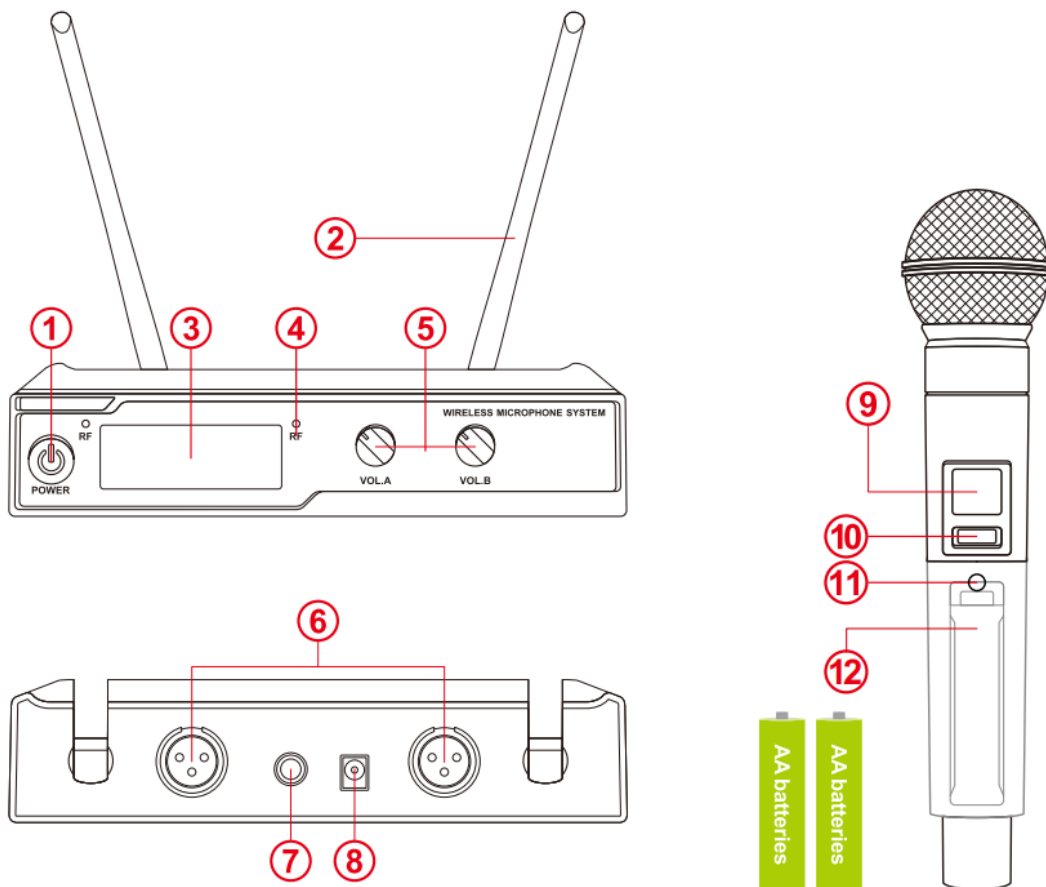
# FS-2023 SELECTABLE FREQUENCY UHF WIRELESS MICROPHONE

## WELCOME

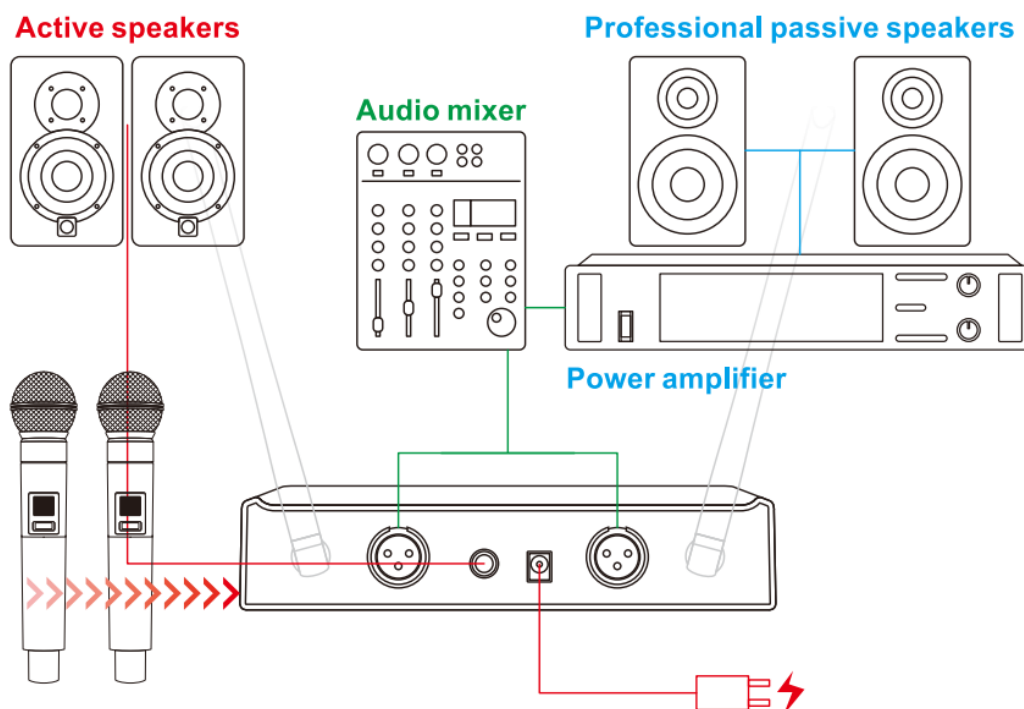
The system provides clear, noise-free wireless transmission and excellent sound reproduction. Simple setup and installation will have you streaming clear sound in no time. System functions include handheld microphone , UHF signal transmission, high signal-to-noise ratio performance, etc. Enjoy two-channel voice distribution across transmitters. Whether it is for work or entertainment, whether it is a small stage vocal performance or a conference room speech, this wireless microphone system will provide you with a high-quality audio experience. Enjoy hassle-free, reliable wireless sound transmission with today's latest system technology in an all-in-one kit. It can be connected to power amplifiers, mixers, active speakers and other equipment. Suitable for small stage, church, meeting, party, karaoke.

## INTRODUCTION OF RECEIVER AND TRANSMITTER

- |                                 |  |
|---------------------------------|--|
| 1. Receiver ON/OFF Power Switch | 7. 1/4" (6.35mm) Mixed Output            |
| 2. Antenna                      | 8. Power input                           |
| 3. Receiver Frequency Display   | 9. Handheld Mic LED Frequency Display    |
| 4. RF Signal Indicator          | 10. Handheld Mic ON/OFF Switch           |
| 5. Volume Control               | 11. Frequency Selectable Button (16 CH)  |
| 6. XLR Audio Output             | 12. Battery Compartment (2 AA batteries) |



## CONNECTION EXAMPLE GUIDE



### Operation of the receiver:

1. Connect the **power adapter** with the **Power input**⑧ . Then Plug the power adapter into a power socket.
2. Use the **Audio Cable** to connect the receiver **1/4" output**⑦ and 1/4" input of a mixer or active speaker.
3. Pull out **antenna A & B** ② , make it vertically.
4. Turn ON the **ON/OFF power switch** ① and the **Frequency Display Screen**③ is bright.
5. When turn on the microphone, the receiver **RF Signal Indicator** ④ is lit.
6. The sound volume could be adjusted by the **volume control knobs**⑤
7. Please unplug the power adapter if you don't use for a long time.

### Operation of the transmitter:

1. Open the **battery compartment cover** (12) , install 2PCS AA batteries correctly, then cover it.
2. Turn ON the **ON/OFF Power switch**⑩ when using, the **LED Frequency display**⑨ is lit.
3. If other system is using the same frequency, or the signal is not good. Please change the frequency by the **Frequency Selectable Button**(11). There are 16 channels per each microphone.
4. If battery icon is become "empty", please replace the batteries.
5. Please take out the batteries if you don't use transmitter for long time.

## **SPECIFICATIONS**

Channel Frequency: 470.2 ~ 607.7MHz

Pickup/Polar Pattern: Uni-Directional

Impedance: 600 Ohms  $\pm$  30%

Frequency Response: 50~15KHz $\pm$ 3

Sensitivity: -95dBm (S/N: 12dB)

RF Image Rejection: -75dB

Audio Dynamic Range: 95dB

T.H.D.: <1%

Frequency Stability:  $\pm$ 0.002%

S/N Ratio: >70dB

Interference: >70dB

Output power: <10 mW

Power Adapter: AC 90-240V, 50Hz-60Hz, DC 12V

Transmitter Power Supply: 2 x AA battery

Wireless Range: Up to 50 meters

## **TROUBLE SHOOTING**

Check the following items before contacting a dealer. If the trouble is not improved, contact us.

### **NO sound, the receiver's RF indicator does not light up.**

- Make sure the transmitter power switch is ON and the receiver is plugged in. (Push up the switch of the hand-held microphone)
- Check that the battery is installed. And make sure the battery is fully charged.
- Check that the frequency on the transmitter matches the frequency on the receiver.

### **No sound, the receiver's RF indicator is on.**

- Turn up the receiver audio volume control. Also turn up the volume control of other connected devices.
- Check that the connection between the receiver and the mixer or other equipment is correct.

### **Receiver signal is noisy or contains extraneous sounds with transmitter on.**

- Check if the battery is low.
- Check for other sources of RF interference causing interference.
- If using a guitar or other musical instrument, check the connections. If multiple transmitters are used together, it is possible that multiple transmitters are operated on the same frequency. Please change the frequency.
- Find the same frequency point, close the others, and only keep one of them.
- Signal may be too weak. Reposition the antenna. Move them closer to the transmitter if possible.

### **Noise from receiver with transmitter off.**

- Check for other sources of RF interference causing interference.
- It is recommended to replace the audio cable with a better quality.
- Test other equipment connected to the receiver for problems.

### **Momentary loss/stop of sound as transmitter is moved around performing area.**

- Reposition the receiver and perform another "drill" test and observe the RF indicator. If audio loss

persists, mark these "dead spots" in the performance area and avoid them during the performance.

#### FCC Caution.

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.

#### \* RF warning for Portable device:

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