

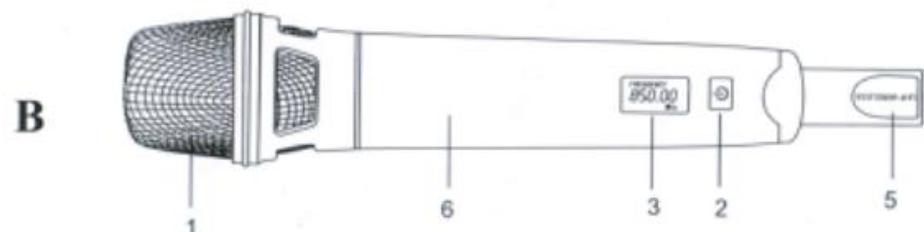
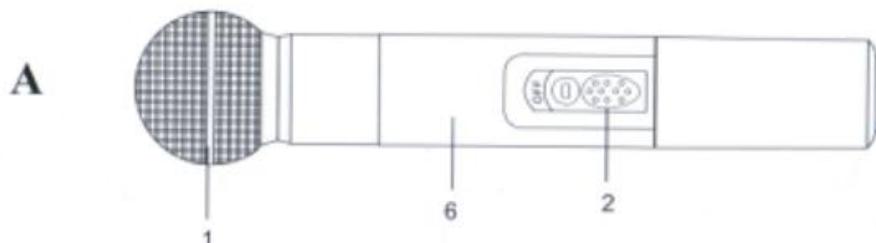
User manual

Model: U-778

Brand: YouXing ®

Thank you for selecting UHF PLL Synthesized Diversity System. Before operating please read this instruction manual carefully and thoroughly in order to attain the correct operating procedures and achieve the best results.

#### **Parts Name And Function (Microphone)**



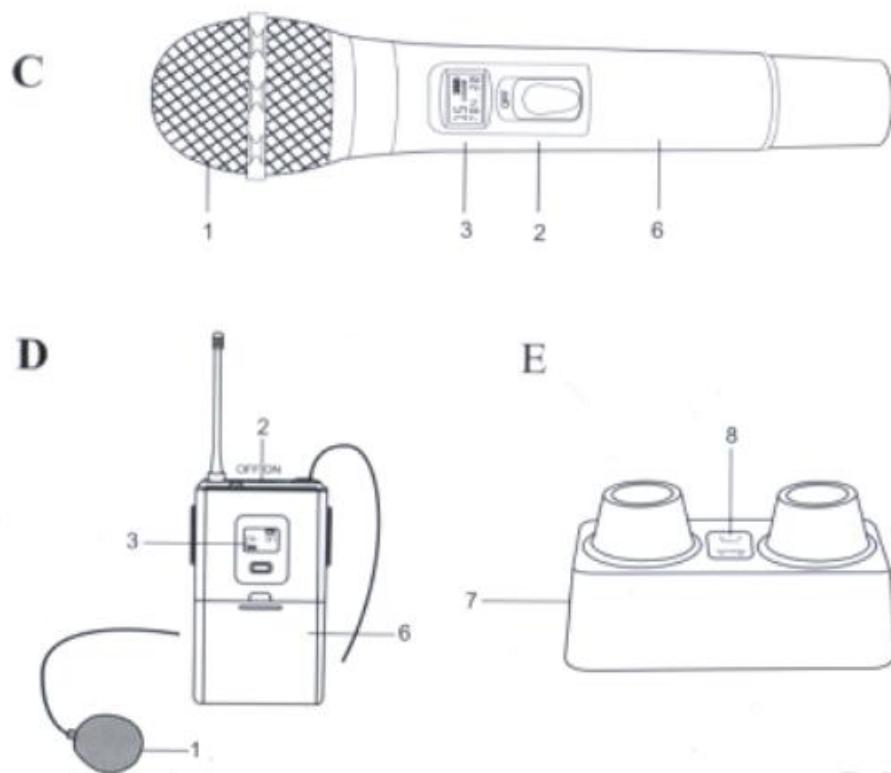


Fig.6

1. A head of receiving sound There are packages of microphone in it.
2. Power switch Turn it, microphone is working. Push it the middle, it is pause working.
3. LCD manifestation. (You can see: the channel show, frequency show, electricity measure the manifestation)
4. Channel Selector.
5. Ring with color Logo mark It is for distinguishing different microphones.
6. A box for a battery.
7. DC input
8. The charge indicator lamp

## **2、Operation of the Microphone**

1. Scrcw the battery box open anticlockwise, then put in a 1.5V battery.

Attention: The polarity should be right.

2. Turn on the microphone .If the light does not twinkle or is always lighted, you should check the battery if the voltage is enough or the battery is well arranged.

3.Turn the switch to "STN BY"(middle), the receiver will cut out audio output and control noises through it.

## **3、Repair with Simple Fault**

1.Turn on the receiver, but the indicator is not lighted.

Make sure if the power cable is well fixed .Is the socket in good condition.

Is the fuse blown.

2.When you speak ,the "AF"light twinkles, but no sound output.

Make sure if the volume keep in the lowest place, or the audio cable is not fixed well.

3.The effective signal-receiving distance becomes close. And signal-receiving is not well.

Check whether the receiver antenna is set up in good condition and pull out, whether the receiver placed wrong (for example, on the ground or corner), around the use of whether there is a strong jamming signal, transmitter battery voltage is too low

Timbre becomes bad

Perhaps the voltage of the battery is not enough. You need change.

Perhaps there are the same frequency signals in your surroundings. Do not use two machines with the same frequency at the same time in a place. (separate them at least 120 meters.)

Don't open and repair it when some serious breakdown happens. Please connect the seller or our company,we'll help you whole heartfelt. Thank you!

#### **4.Specification**

1 .COMPREHENSIVE PERFORMANCE

CARRIERFREQUENCY : UHF627.19-682.49MHZ

FREQUENCY STABILIZATION : < 30ppm

DYNAMIC RANGE: MORE THAN 90dB

TOTAL HARMONIC DISTORTION: LESS THAN 0.5%

FREQUENCY RESPONSE: 40HZ-15KHZ 3dB

AUDIO OUTPUT LEVEL: UNBALANCED OUT: 0- 400mV

BALANCED OUT: 0- 200mV

#### **2.FIXED RECEIVER**

POWER SUPPLY: AC 220V/50-60HZ DC12V

CONSUME POWER: 5W

SIGNAL/NOISE RATIO: MORE THAN 90DB

IMAGE & SPURIOUS REJECTION: MORE THAN 80db

BORDER UPON CHANNEL REJECTION: MORE THAN 80db

RECEIVING SENSITIVITY: LESS THAN 10dBuV (SINAD=30dB)

DE-EMPHASIS: 50us

### 3. HANDING MICROPHONE

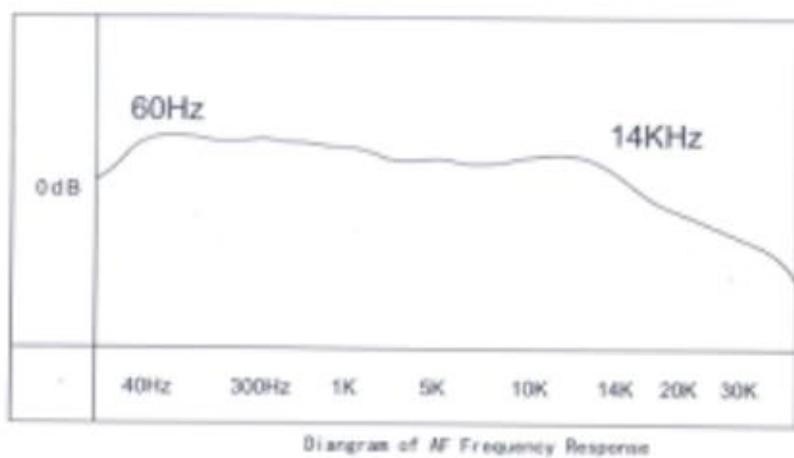
Modulation mode: FM, F3F

Max deviation:  $\pm 25\text{KHz}$

Spurious emission: >40dB (with carrier)

Battery voltage: 1.5V battery (Two AA batteries)

Noise control: Perfectness circuit for eliminating noise



### 5. Matters Needing Attention

1. Avoid putting the main machine in a blind angle when it is used. This is for keeping signal-receiving in good condition.

2. Don't throw, fall, toss, cast the handling microphone when it is used, in

case damage it seriously.

3. Please keep the machine from direct sunshine or rains, And put it in a place as far as possible from the magnetic field.

4. Don't open it yourself, because there is high voltage in it.

## **6.Caution**

1. Since the installation of antenna influences the operating efficiency of the receiver, the most important rule is to minimized the distance between receiver antenna and microphone as short as possible for better reception and performance.

2. The external DC power supply shoud not be below 12V, otherwise it would not work properly. If it is over 15V, some components of the receiver will be damaged due to higher current. Use minimum 1A power supply.

**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.

The device has been evaluated to meet general RF exposure requirement.

The device can be used in portable exposure condition without restriction.