

## 1. Performance and Features

1: Use the 670 to 690MHz frequency band (channel A: 682-690MHz; channel B: 670-680MHz), strong anti-interference.

A channel frequency B channel frequency

①682.7MHZ①670.8MHZ

②683.7MHZ②672.3MHZ

③684.3MHZ③673.7MHZ

④685.5MHZ④674.5MHZ

⑤686.1MHZ⑤676.3MHZ

⑥686.9MHZ⑥677.1MHZ

⑦687.5MHZ⑦677.7MHZ

⑧688.7MHZ⑧678.8MHZ

⑨689.3MHZ⑨679.5MHZ

⑩690.3MHZ⑩680.6MHZ

2: Adopt 24Bit/48KHz high-performance audio dedicated A/D and D/A processing.

3: Use ID code + frequency for data encryption and frequency (even if the same frequency is used, when the receiving chip is interfered by RF, it will only affect the receiving distance, and there will be no interference.

If the two receivers are separated by a certain distance (such as 10 meters), you can consider frequency reuse.

4: With automatic mute and impact elimination circuit, to avoid the impact and noise of switch machine.

5: The effective distance of wireless transmission is 20-50 meters.

6: Simple operation interface,

Very few adjustable parts, can completely avoid misoperation caused malfunction.

7; Very high pickup sensitivity, excellent sound quality, so that you can speak or sing Easily.

8: Multiple devices can be used at the same time without interference and frequency channeling.

9: With power and wireless indicator lights.

10. Support single frequency

## 2. The main technical specifications of this equipment

2.1: Transmitter technical specifications

1: Frequency range 670~690MHz

2: The number of channels is 10 (conservative value) each time when pairing, the ID code changes randomly, within the frequency range set by the manufacturer.

3: Oscillation mode DSP chip frequency lock

4: Frequency stability  $\pm 10\text{ppm}$

5: RF power 10dBm

6: Audio frequency response 40~18000Hz

7: Distortion degree  $\leq 0.5\%$

- 8: Battery specification 3.7V lithium battery
- 9: 3 hours of battery life (depending on battery type and capacity)

## 2.2 Receiver technical specifications

- 1: Frequency range 670~690MHz
- 2: The number of channels is 10 (conservative value) each time when pairing, the ID code changes randomly, within the frequency range set by the manufacturer.
- 3: Oscillation mode DSP chip frequency lock
- 4: Rate stability  $\pm 10\text{ppm}$
- 5: Receiving sensitivity -95~-71dBm
- 6: Audio frequency response 40~ 18000Hz
- 7: Distortion  $\leq 0.5\%$
- 8: SNR  $\geq 90\text{dB}$
- 9: Audio output 300mv (maximum)
- 10: Battery specification 3.7V lithium battery
- 11: 4 hours of battery life (depending on battery type and capacity)

## 3, function introduction

1 Pairing (pairing ID code + pairing frequency):

This is a brand-new operating mode "frequency hopping mode" introduced by this program. The headset microphone sends these data to the receiver via wireless Fangwu for pairing. After the pairing is successful, the frequency point is switched among these 10 frequency points. The frequency point of the headset microphone can be manually changed at any time, and the receiver will automatically follow and jump to the corresponding frequency point. It not only solves the crosstalk problem, but also provides the flexibility of frequency setting. Products that use frequency hopping have been widely recognized by the market and meet the requirements of most products: hand luggage, suitcases, teaching, personal entertainment , Set-top boxes, wireless speakers, SOUND\_\_BAR wireless subwoofer, and other products.

Switching frequency: In the power-on state, short press the frequency key to switch a frequency. When pairing A headset microphone is turned on, long press the link button and release it when the RF indicator flashes, the headset microphone enters the linking state.

b. Receiver pairing: When the receiver is off, press the power button to turn on the receiver, it will automatically enter the pairing state, check if there is a pairing request, and if a pairing request is received, pairing will be performed automatically, and the pairing indicator will flash 3 times to confirm that the pairing is successful, and then automatically exit.

Exit pairing: After the headset microphone is successfully paired, short press the pairing button to automatically exit and perform the "switch frequency" operation. The headset microphone turns to a normal transmitting state, and the receiver's RF indicator lights up.

1. One-transmit-multiple-receive pairing special instructions: The entire pairing process is: first let the transmitter enter the pairing state (the transmitter will always send a pairing request) and

then let the receiver enter the pairing state (the receiver will automatically exit after pairing), (if there is "one If you need to send and receive more, you can continue to pair other receivers) Finally, let the transmitter manually exit the pairing state, and the pairing is complete. Regarding the antenna: try to choose 1/4 wavelength as the exposed length of the antenna, and the length  $L$  (cm)=7500/ freq (MHz), for example, the exposed length of the 790MHz frequency antenna is  $7500/790 \approx 9.5$ cm.

Charging tips: The charger requires 5V500mA. Do not turn on and charge when charging. It can be fully charged in 2 to 3 hours. The charging indicator will go off when fully charged. It is recommended not to keep the charger for a long time after being fully charged. The charger should be unplugged to avoid short battery life, etc. , Improper operation is at your own risk!