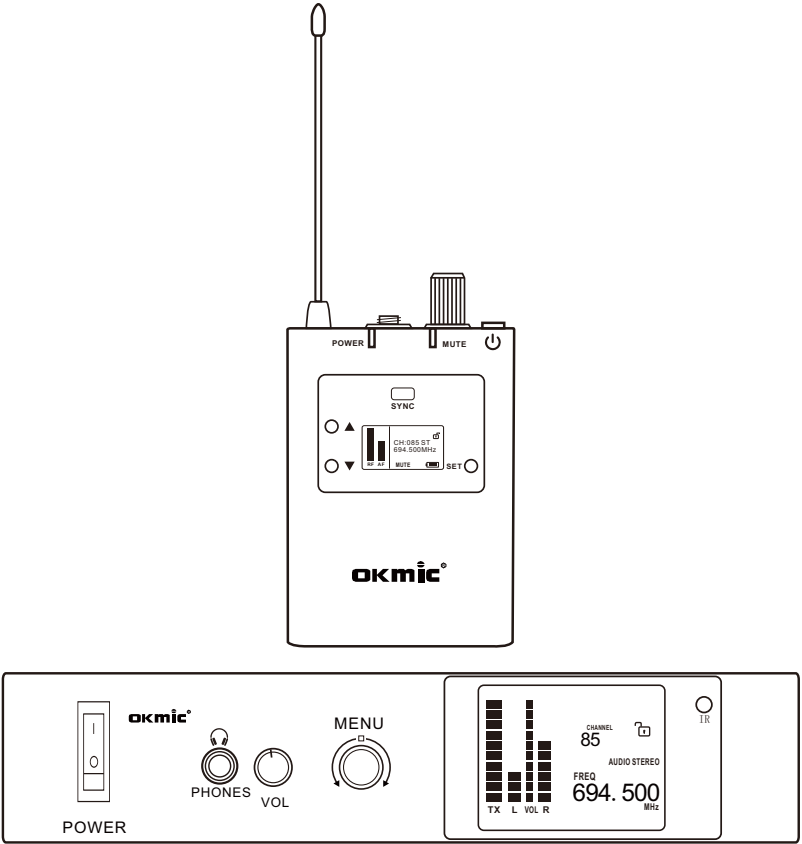


Professional Digital Wireless in-ear monitor system



USER MANUAL

INTRODUCTION

Wireless Personal monitoring system unmatched sound quality, stable radio frequency performance and leading in the class of setup functions, to meet the requirements of most of the most demanding professional monitoring applications High frequency wireless back listening transmit- ter, high quality back listening. The use of superb circuit technology, all- round no dead Angle reception, so that the received signal is more stable, you can operate and switch the preset 10 groups of frequency excellent and reliable technology, to help you perform more excellent and successful.

The 005UT is a wireless stereo in ear monitor system that works with a listening system. With 24-bit digital audio performance for clear sound quality and an effective 100meter operating range, the 005UT enables reliable wireless freedom of performance, covering every corner of the stage.

MAIN FUNCTION

- *Reliable 24-bit digital audio processing to create superior personal monitoring mixing for each performance.
- *One audio channel is sent to a waist pack receiver at a distance of up to 100 meters, while digital audio technology reliably ensures clear sound quality with neither noise nor signal loss.
- *Rugged half-rack transmitter with simple front panel control.
- *Full-color TFT display, wide viewing Angle, high clarity, all working conditions at a glance.
- *The rear panel balances inputs and loop outputs to provide full connectivity to the audio source and other units.

■ ■ Technical Parameter:

Transmitter

Frequency range.....500-590 MHz
 Audio input.....Max input +18dBu
 Power supply.....12-15V DC
 Consumption.....15V300mA
 Transmit output power.....10mW~50mW(optional)

Receiver

Frequency range.....694.5-702.7 MHz
 Receiving sensitivity.....-95dBm
 The battery.....2*1.5V AA
 Frequency response.....20-20000Hz
 Audio output power.....100mW (1kHz @< 1% distortion, peak power.@16)
 Consumption.....200mA

System

Distortion.....<0.1%
 Signal-to-noise ratio.....100dB
 Frequency range.....500-590MHz
 Bandwidth 8.2MHz
 Dynamic range.....100dB
 Audio sampling.....24bit/192kHz
 Launch system.....digital modulation
 Audio response time 5 ms
 Audio.....digital coding
 Frequency response.....20-20,000Hz
 Service distance.....100 meters

■ ■ Fault diagnosis:

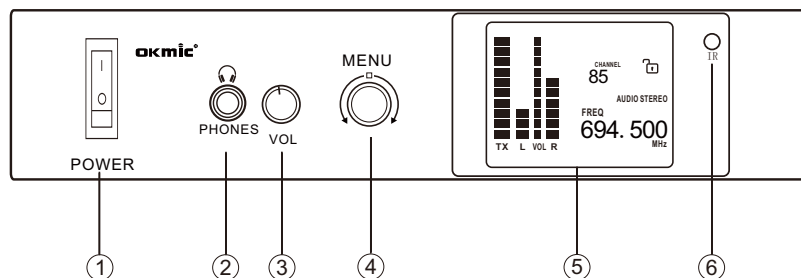
Wireless Receiver

Fault Phenomenon	Analysis	Solution
cannot boot	the battery without electricity	replace battery
	the positive and negative of batteries are reversed	place the batteries correctly
earphone without sound	whether work in suitable range	using in suitable range
	not turn on the volume	turn on the volume
	do not in the same frequency with transmitter	set the frequency same with transmitter
without stereo audio	audio output selected single	audio output selected dual
	the transmitter without stereo modulation	check the transmitter

Wireless Transmitter

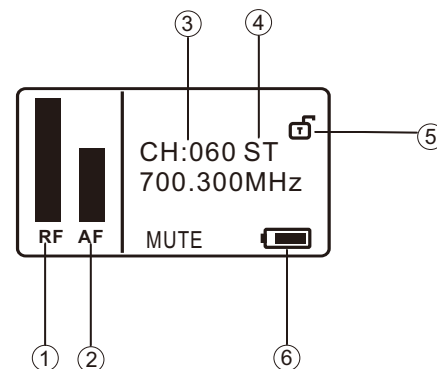
Fault Phenomenon	Analysis	Solution
cannot boot	not connect the power	connect the power with the supplied cable
	blowout	contact the local agent to replace the fuse
short distance for signal receiving	receiver is not installed antennas, or not installed correctly	install antennas correctly
	obstacles obstruct signal transmission	remove or avoid the obstacle
no stereo audio modulation	set in mono modulation in menu	set in stereo modulation in menu
	no stereo audio signal output	use the audio signal output with stereo

■ Transmitter Diagram:



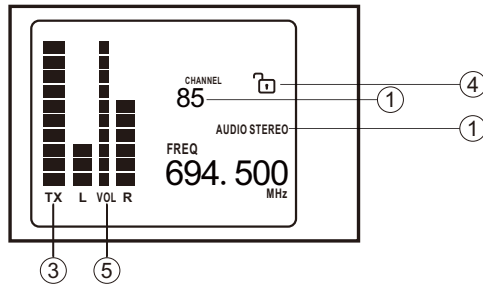
1. Switch on/off button.
2. Monitoring port, connect the 6.35mm jack for the earphone.
3. Monitoring volume knob.
4. Function setting knob button.
Press the settings knob: select save settings and return to the main screen;
Rotate the settings knob to change the menu item.
5. TFT display.
6. SYNC window.

■ Receiver Display And Operation :



1. RF
The receiver got the transmitter RF signal strength.
2. AF
The receiver got the transmitter audio signal strength.
3. CHANNEL
Long press "SET" button to enter into the menu, then short press the "SET" button twice time, channel number will flashing, then press the "UP" or "DOWN", there are 85 channels can select.
4. Stereo/mono selection
Press the key on the side to select a mode.
5. LOCK
Long press "SET" button to enter into the menu, then short press the "SET" button five time, enter the lock interface, press the DOWN button then the LCD display will show it "LOCK YES".and "LOCK NO" is unlock. Into unlock before, every set function is no work.
6. BATTEIRES
The low power is empty looks like this "  " when it flashing, please change the battery.

Transmitter Display And Operation :



1.Channel display

Short press the function setting button, rotate the knob to select the channel (there are 01-85 channels), press the setting knob to confirm and exit the option, and display the currently selected channel.

2.Stereo/Mono selection

Short press the function setting button, rotate the knob to select the mode (stereo, mono), press the setting knob to confirm and exit the option, and the currently selected mono will be displayed.

3. Select high/low transmit power

Short press the function setting button, rotate the knob to select the power (high, low), press the setting button to confirm and exit the option, the current selection is displayed.

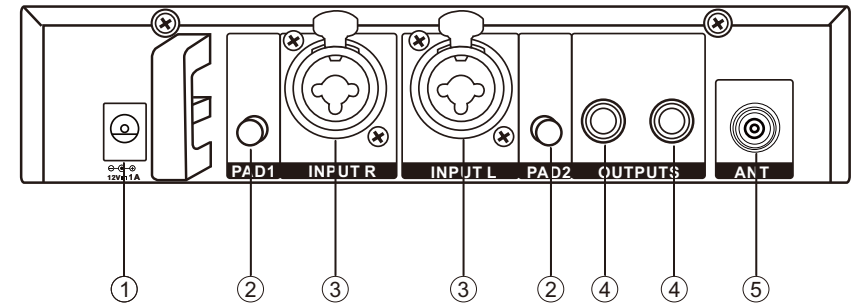
4.Lock

Long press the set knob key to lock the transmitter, and long press the set knob key again to unlock. Press the setting button, rotate the knob to select (on, off) Press the setting knob to confirm and exit the option, and the current selection is displayed.

5. Input level display

PEAK light on indicates that the input level is too high.

Transmitter Diagram:



1. Power socket.

Used for external DC power supply 12V-1A.

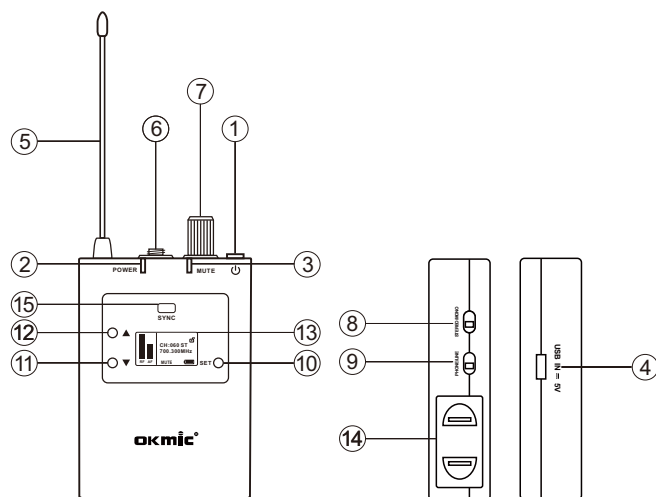
2. Wired microphone gain button.

3. Audio input (left/right) For connecting balanced or unbalanced outputs, any connector can be used for mono inputs acceptable 1/4 inch or plug XLR connector.

4. Loop output(left/right) The audio signal sent to the transmitter can be copied to other devices.

5. TNC port for the antenna.

Receiver Diagram:



1. Power switch/ Mute switch

Long press can open or close the power, short press can be muted.

2. Power Light

Green light mean equipment power supply has been opened.

3. Mute indicator light

The red light indicates that the device is in the mute state.

4. External USB cable power input socket

Standby mode, load two ni-mh rechargeable batteries plug in the USB cable.

Receiver Diagram:

5. Body-pack receiver antenna

Used to receive RF signals.

6. Phone/Line audio output 3.5mm socket.

Used to connect the headset to listen for the sound of the transmitter.

7. Volume control

8. Phone/Line output adjustment

9. Stereo/Mono adjustment

10. Menu setting SET button

11. Downward button(▼)

Just for searching on list and change the parameters.

12. Upward button(▲)

Just for searching on list and change the parameters.

13. LCD

View the menu screen and settings.

14. Battery room

Put 2*1.5V AA batteries or 2*1.2V AA batteries.

15. SYNC window

When select transmitter to the frequency 700.300MHz, long press the transmitter menu button, until SYNC port from transmitter is flashing, after use receiver align to transmitters' SYNC port. Finish SYNC function.