

User's Guide

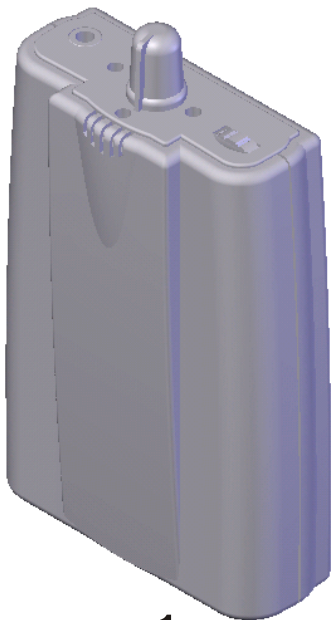
WT-808T/R

UHF-PLL

**16-CH Switchable Tour Guide
& Wireless Mic. Systems**

INTRODUCTION

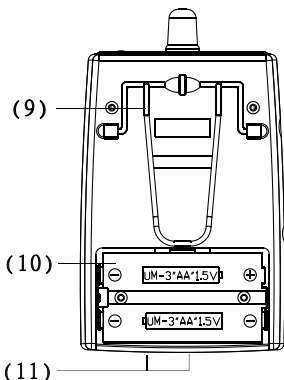
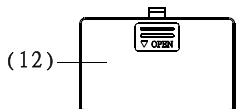
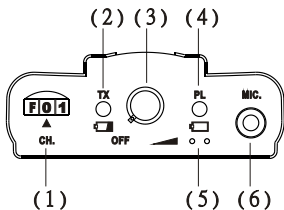
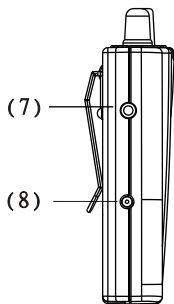
Thank you for purchasing this UHF - PLL 16-CH switchable tour guide and wireless microphone systems WT-808T/R. This manual includes the complete functions and operations of the tour guide and wireless microphone systems. Please read this manual carefully in order to operate and use the system to its fullest potential.



DESCRIPTIONS OF FUNCTIONS

WT - 808T Transmitter:

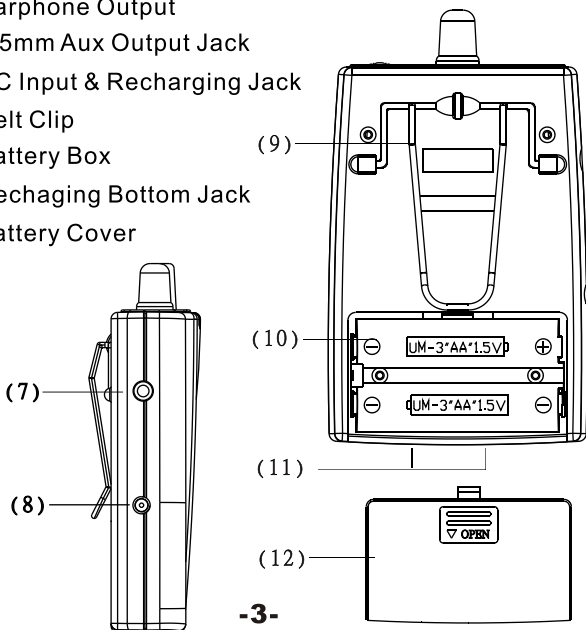
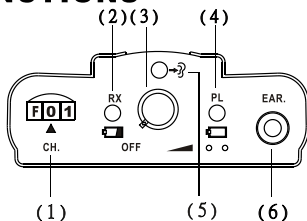
1. Channel Selector
2. Tx LED Indicator
3. Power Switch & MIC. Volume
4. PL LED Indicator
5. Built-In MIC
6. 3.5mm MIC. Input Jack
7. 3.5mm Aux Input Jack
8. DC Input & Recharging Jack
9. Belt Clip
10. Battery Box
11. Recharging Bottom Jack
12. Battery Cover



DESCRIPTIONS OF FUNCTIONS

WT-808R Receiver:

1. Channel Selector
2. Rx LED Indicator
3. Power Switch & Volume Adjust
4. PL LED Indicator
5. Earphone Tube Output
6. Earphone Output
7. 3.5mm Aux Output Jack
8. DC Input & Recharging Jack
9. Belt Clip
10. Battery Box
11. Recharging Bottom Jack
12. Battery Cover



INSTALLATION AND OPERATION

Inserting the batteries into the transmitter and receiver:

Open the battery cover by pushing the open mark and sliding the cover down. Insert two 1.5V AA type dry cell batteries or two 1.2V AA size Ni-MH rechargeable batteries into the battery box. Match the battery terminals marked "+" with the "+" on the label in the battery box.

Charging the batteries:

Use the charger (HDC-808 or HDC-36) to charge, simply set the transmitter into to the charger slot. The recharging bottom jack could connect to charger (HDC-808 or HDC-36) for fast charging. Usually full-charged batteries can be used for 10 hrs. and batteries charged by adaptor for 6 hrs. after 8 hrs charging.

WARNING: Do not place the transmitter or receiver with Alkaline batteries into the charger.

WT-808T Transmitter Operation:

1. The transmitter has only one switch for power and volume adjust. Turning clockwise is to turn on and adjust volume. And turning counterclockwise is to turn off and minimize volume. When turning on the transmitter, the TX light will light up GREEN that indicates transmitting normally.
2. TX light turns RED If the batteries are low and need to be recharged or be replaced soon, but the transmission still can stay for 30 minutes or so. If the batteries run out, TX light turns off and PL light turns on RED that indicates the transmitter stop working and need to change batteries or to recharge immediately.
3. Use the channel selector with 16 CH selectable to select the channel to transmit.
4. Use condenser MIC with 3.5mm input jack. Besides, for connecting MP3, CD player, or other audio sources, AUX IN is available and prior to MIC and build-in mic. When AUX IN and MIC is without input, build-in microphone is on so that it can receive voice and sound anytime anywhere.
5. All input levels are controlled by the power switch. Also it could work with lapel microphone or headset microphone.

WT-808R Receiver Operation:

1. The receiver has only one switch for power and volume adjust. Turning clockwise is to turn on and adjust volume. And turning counterclockwise is to turn off and minimize volume. When turning on the receiver, the PL light will flash RED.
2. After switching on the power, the RX light up GREEN to indicate that RF signal is being received normally.
3. RX light turns RED If the batteries are low and need to be recharged or be replaced soon, but the reception still can stay for 30 minutes or so. If the batteries run out, RX light turns off and PL light turns on RED that indicates the receiver stop working and need to change batteries or to recharge immediately.
4. Use the channel selector with 16 CH selectable to select the channel that match to the transmitter to receive.
5. Use Earphone with 3.5mm output jack. When removing the earphone, the build-in speaker work and can be listened directly from the receiver. Or use an earphone tube to listening the sound output from the build-in speaker. It also could be connected with amplifier for amplification application, no matter the earphone or the build-in speaker is in use or not.

MAINTENANCE

Avoid Excessive Heat

Don't leave transmitter or receiver in hot sun, on a radiator, or near other sources of high temperature.

Avoid Rough Handling

Transmitter and receiver may be damaged if dropped.

Fully Charge Batteries

Before storing, fully charge the batteries in both transmitter and receiver. If possible, please recharge once a month during storation and again before first use.

Remove Batteries

Remove the internal batteries when storing the unit for a long break or vacation.

Battery Terminals

Keep the contacts clean and inspect them often to ensure they are not corroded. If they become corroded, polish them with a pencil eraser.

TROUBLE SHOOTING

Problem	Solution
No Power	Check if the power switch is turned on Please turn off the unit and check if the batteries run out or are not installed properly
No sound	Check if the transmitter and the receiver use the same channel Check if the volume of the transmitter or the receiver is too low Check if the distance between the transmitter and the receiver is too far Check if the transmitter and the receiver is too close to metal object
Sound interference	If there are two or more transmitters in use, select different channel for each Check if there are other transmitters near by and change to different channel
AUX Distortion	Check if the volume level of the transmitter is too high or too low

FEATURE

WT-808T Transmitter:

1. WT-808T transmitter, with built-in microphone, and also could work for with lapel MIC. or headset MIC.
2. WT-808T could use DC+5V switching adapter to provide power, and could use charger (HDC-808 or HDC-36) for recharging internal battery.
3. Applicable Occasion : Tour Guide , Museum and Factory visit, Oral multi - languages translating system , Journalist V8 voice recording , audio - visual language teaching , assist wireless amplification system etc,

WT-808R Receiver:

1. WT - 808R receiver with built -in speaker could connect earphone tube for listening , and AUX out could connect with amplifier for amplification that the transmitter signal would go through its external speakers.
2. WT-808R could use DC+5V switching adapter to provide power, and could use charger (HDC-808 or HDC-36) for recharging internal battery. Continue charging for 10Hrs, it could use for 8Hrs.
3. Applicable Occasions : Tour Guide , Museum and Factory visit, Oral multi - languages translating systems , Journalist V 8 voice recording , audio - visual language teaching , assist wireless amplification system etc.

SPECIFICATIONS / SPECIAL FEATURES OVERALL SYSTEM

WT-808T Transmitter:

◦ Oscillation mode	PLL synthesized
◦ Carrier frequency range	640~664 MHz
◦ Frequency	pre-programmed 16 switchable frequencies
◦ Max deviation	+/-30 KHz ,with level limiting
◦ Dynamic range	>80 dB
◦ T.H.D	<1%
◦ Pre/De-Emphasis	<50 μ s
◦ DC IN	5V(with 2.5mm jack)
◦ Mike	condenser microphone
◦ Antenna	in side Loop ant.
◦ R F output	10 mW (according to regulation)
◦ C/N Ratio	>110 dB
◦ Spurious	<-60 dBc
◦ Battery	1.2V(Ni-MH. 1300mA)*2AA rechargeable battery. 1.5V*2AA Alkaline disposable
◦ Dimensions (L*W*H)	98*66*27 mm
◦ Weight	80g (less battery)

WT-808R Receiver:

◦ Carrier frequency	640~664 MHz
◦ Adjustable frequencies	pre-programmed 16 switchable frequencies
◦ T.H.D	< 2 %
◦ Frequency response	150 Hz ~ 7 kHz (Earphone Out) 150 Hz ~ 12 kHz (Aux Out)
◦ Dynamic range	>80 dB
◦ Tone squelch	Tone Key (Squelch) Control Muting Circuit
◦ Battery	1.2V(Ni-MH. 1300mA)*2AA rechargeable battery. 1.5V*2AA Alkaline disposable
◦ DC IN	5V(with 2.5mm jack)
◦ Current drain	65 mA (NO Load)
◦ Operating range	up 45~65 M (Open Field)
◦ Operating temp	-10 °C ~ +60 °C
◦ Antenna	Internal
◦ Dimensions	98 X 66 X27 mm
◦ Weight	98g less battery

Notice : The changes or modifications not expressly approved by the party responsible for compliance could void the user's authority to operate the equipment.

IMPORTANT NOTE: To comply with the FCC RF exposure compliance requirements, no change to the antenna or the device is permitted. Any change to the antenna or the device could result in the device exceeding the RF exposure requirements and void user's authority to operate the device.

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.