

# TAKSTAR®

## WTG-500

*Wireless Acoustic Transmission System*

# TAKSTAR®



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*Wireless tour guiding,  
simultaneous translation, audio-visual education*

## Receiver

Operating Voltage: DC 3V/ 2pcs of 1.5V AA batteries

Operating Current: 70mA ±10mA

Frequency Response: 30Hz-15KHz

S/N Ratio: > 50dB

Frequency Range: 780-789MHz

Sensitivity: S/N: 12dB 3uV

## Product Content

Transmitter	1pc
Receiver	1pc
Headworn Microphone	1pc
Earphone	1pc
AA Battery	4pcs
3.5mm-3.5mm Conversion Cable:	1pc
User Manual	1pc

## Application

- Wireless tour guiding, simultaneous translation, audio-visual education

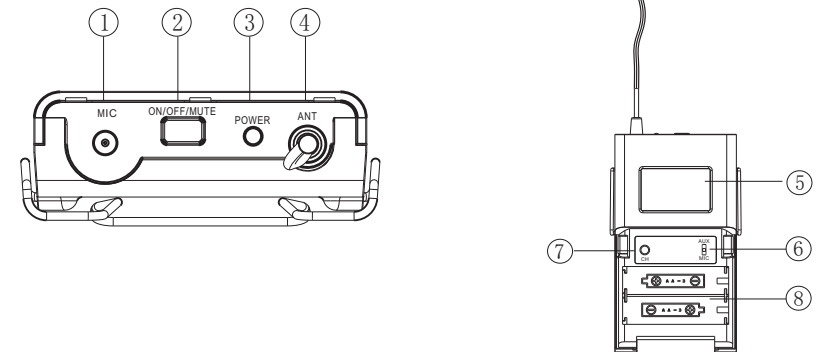
\* Specification and photos are subject to change without prior notice.

## Features

- ※ UHF frequency band with 6 selectable channels
- ※ PLL frequency synthesis technique for stable signal transmission
- ※ Complex interference-free circuit enables 4 channel groups to use simultaneously without mutual interference
- ※ One transmitter can be operated with multiple receivers within the operating range
- ※ Long operating range up to 100m
- ※ Low power consumption design, receiver can work for more than 24hrs by using 2pcs alkaline batteries
- ※ Dynamic expanding circuit for high S/N ratio
- ※ Both transmitter and receiver use LCD-display to indicate frequency, channel, battery level status

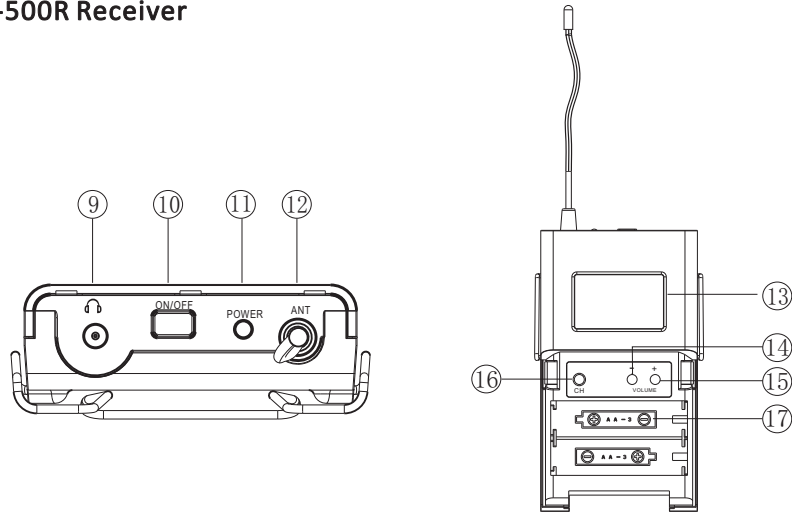
## Function Operating Instruction

### WTG-500T Transmitter



- ① MIC socket: input MIC or AUX signal (the signal input mode selection switch ⑥ should match with the input signal)
- ② Power button: long press to turn on/off, short press for mute/speak
- ③ Power indicator: when the transmitter is turned on, the indicator is green; when it is in mute state, the indicator is flickering green; when it is at low power, the indicator is flickering red, please replace the battery timely
- ④ Antenna: 1/4 wave whip antenna
- ⑤ LCD panel: indicates the current working channel and battery power level
- ⑥ Signal input mode selection switch: shift the switch to "AUX" for line input mode and shift the switch to "MIC" for microphone input mode
- ⑦ Channel adjustment: short press "CH" button to shift to the needed channel, 6 channels for option
- ⑧ Battery compartment: assemble 2pcs of AA batteries

## WTG-500R Receiver



- ⑨ Headphone socket
- ⑩ Power button: long press for power on/off
- ⑪ Power indicator: the LED lights green when the receiver is powered on; the LED lights red when the battery level is low, please replace timely
- ⑫ Receiving antenna: 1/4 wave whip antenna
- ⑬ LCD panel: indicates the current working channel and battery power level
- ⑭ Volume decreasing button
- ⑮ Volume increasing button
- ⑯ Channel adjustment: press “CH” button to shift to the needed channel, 6 channels for option
- ⑰ Battery compartment: assemble 2pcs of AA batteries

## Operating Instruction

1. Assemble the supplied batteries into the battery compartment and turn on the power, when the indicator lights up, it means the transmitter is under normal working status.
2. Insert the microphone into MIC socket (switch signal input mode to “MIC” position)
3. Turn on the receiver after assembling the batteries, when the indicator lights up, it means the receiver is under normal working status (adjust the CH button to match the channel with that of the transmitter)
4. Insert the earphone into headphone socket (9) and adjust the volume to gain the satisfied sound effect

## Cautions

1. Make sure the batteries are assembled with correct polarity to avoid damage
2. This product has been modulated by accurate equipment, do not dismantle it by yourself to avoid abnormal working
3. Do not use or store it under dusty, humid, high temperature and strong magnetic environment to avoid lifetime influence
4. Use standard new battery, it may lead to chemical material leakage and damage the electronic components if using inferior and low power battery
5. Take out the batteries when not using it for a long time

## Simple Trouble Shooting

Troubles	Possible reason	Method
<b>No sound</b>	The transmitter is not turned on	Turn on the transmitter
	The receiver is not turned on	Turn on the receiver
	Battery power is low	Replace with new battery
	Receiver volume is low	Adjust the volume of the receiver
	Receiver is too far away from the transmitter and the mute control of the receiver turns on automatically	Use the receiver within the effective range as specified in the manual
	Frequencies are not matched	Adjust the CH button on the receiver to match the channel of the transmitter
<b>The power indicator does not light</b>	Battery is assembled oppositely	Check if the battery is assembled wrongly, reassemble it in the right way according to the polarity
<b>The receiver receives other sound or broadcasting</b>	The working channel is close to other frequency channel	Adjust a new channel for the transmitter and the receiver

## Specification

### Transmitter

Frequency Range: 780-789MHz  
 Operating Current: 120mA ±10mA  
 Power Supply: DC 3V/2pcs AA 1.5V batteries  
 Operating Range: 100m  
 Transmit Power: ≤10dBm