

# TAKSTAR®

**GUANGDONG TAKSTAR ELECTRONIC CO., LTD.**

Address: No. 2 Fu Kang Yi Rd., Longxi Boluo Huizhou Guangdong, 516121 China

Tel: +86 752 6383644

Fax: +86 752 6383952

Email: [sales@takstar.com](mailto:sales@takstar.com)

Website: [www.takstar.com](http://www.takstar.com)

# TAKSTAR®



**User Manual**

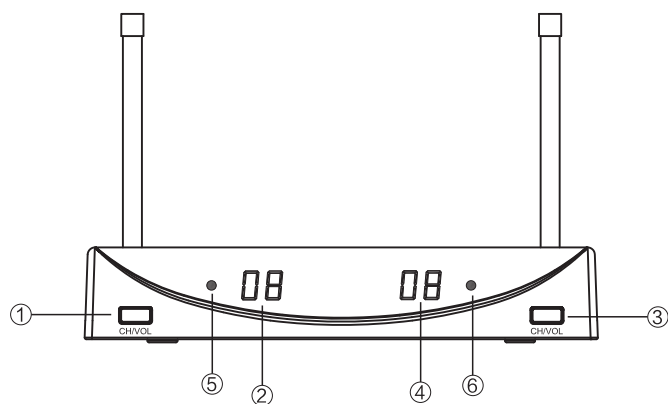
## **X3** UHF Wireless Microphone

Thanks for purchasing X3 UHF wireless microphone, in order to maximize the performance of the product, please read the manual carefully before using, and keep the manual handy for future reference.

## Features

- UHF wireless microphone dedicated frequency band design avoids other industrial frequency interference
- D-PLL RF frequency lock technology for accurate frequency and stable performance
- Professional audio companding technique for reducing the noise and increasing the dynamic range
- Long operating range up to 50m in open area
- Transmitter is powered by 2pcs 1.5V batteries for easy replacement
- Advanced pilot signal lock function can better avoid interference and eliminate the on/off mechanical noise
- Mixed(6.35mm)output for convenient connection with the audio processing and amplifier equipment
- Receiver adopts USB power interface which can be conveniently powered by various devices with USB function directly

## Front Panel



## Specification

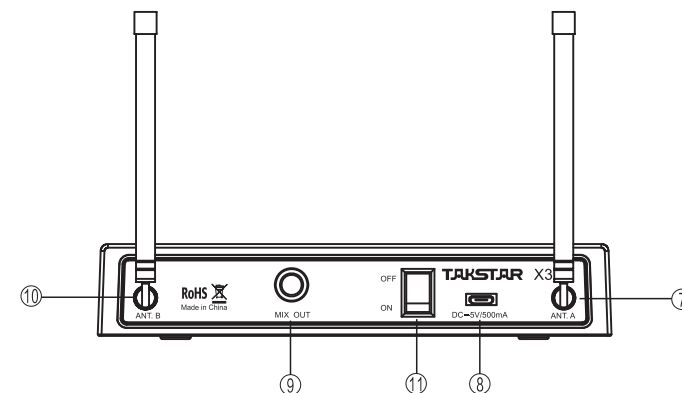
- Frequency Range: 540MHz-950MHz (Segment)
- Modulation Mode: FM
- Number of Channels: 16(R)+16(L)
- Frequency Steadiness:  $\pm 0.005\%$
- Sensitivity: -85dBm
- Transmit Power:  $< 10\text{mW}$
- Frequency Deviation:  $\pm 45\text{kHz}$
- Frequency Response: 60Hz-15kHz
- S/N Ratio:  $> 85\text{dB}$  (A+)
- Total Harmonic Distortion:  $< 1\%$
- Operating Range: 50m in open area
- Transmitter Power Supply: 3V(2pcs AA batteries)
- Operating Time: Approx.10hrs(dependent on the battery)
- Receiver Power Supply: DC  $\approx 5\text{V}/500\text{mA}$  (USB)
- Output Type: Unbalanced mixed output

## Product Content

X3 Receiver	1pc
X3 Transmitter	2pcs
USB Power Adapter	1pc
USB Cable	1pc
1.5V AA Battery	4pcs
Antiskid Ring	2pcs
Audio Connecting Cable	1pc
User Manual	1pc

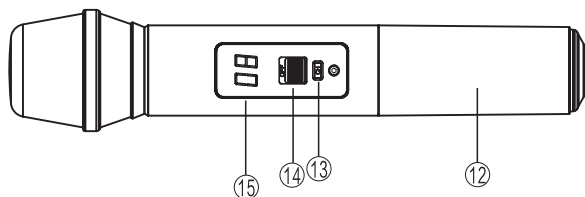
- ① Channel A Function Button: Used to switch the channel or adjust the volume (short press for volume adjustment and long press for frequency switchover)
- ② Channel A Digital Display Screen: Displays the current channel or volume
- ③ Channel B Function Button: Used to switch the channel or adjust the volume
- ④ Channel B Digital Display Screen: Displays the current channel or volume
- ⑤ Channel A Signal Indicator
- ⑥ Channel B Signal Indicator

## Rear Panel



- ⑦ Channel A Antenna
- ⑧ Micro-USB 5PIN Power Socket: DC  $\approx 5\text{V}/500\text{mA}$
- ⑨ Unbalanced Output Socket: Can be connected with the audio devices
- ⑩ Channel B Antenna
- ⑪ Power Switch

## Handheld Microphone



⑫ Tail Tube

⑬ Channel Switch Button

⑭ Power Switch

⑮ Digital Display Screen: Displays the current channel and low battery voltage (When the screen turns from light to dark and flashes, it means that the battery needs to be replaced)

## Caution

### 1. Acoustic feedback (howling) prevention

Turn down the volume and never point the microphone towards the speaker, keep an appropriate distance between the speaker and the microphone. Do not cover the head of the microphone with your hand.

### 2. When the microphone is close to the sound source, it will generate the near-field effect (low frequency response

is enhanced), if it is used properly, it can make the low frequency sound effect fuller and softer.

### 3. When installing the receiver, make sure that the distance between the receiver and metal parts, wall and other

RF devices is more than 0.5m.

### 4. During the system installation, please check and select the channel with the most stable signal transmission.

### 5. Please click the function button on the front panel of the receiver to adjust the volume to get the desired sound effect.

## How to Use

1. Connect one end of the USB cable to the power adaptor USB socket and connect the other end of the USB cable to the receiver power socket, then plug the power adaptor into the AC power socket.
2. Connect the unbalanced output socket of the receiver with the input port of the other audio devices, please make sure to turn down the volume of the audio devices before connecting.
3. Turn on the power switch at the rear of the receiver.
4. Open the tail tube of the transmitter clockwise and install 2pcs AA batteries correctly according to the mark of the battery polarity.
5. Push the power switch of the transmitter to the “ON” position and make sure that its channel matches with the channel of the receiver.

## Operating Instruction

### 1. Channel Adjustment Method of the Receiver

Long press the “CH/VOL” function button until the screen flashes and enters the channel switchover mode, then click the button to adjust (circulation: within 01-16) and select the desired channel. Two seconds later, the screen will stop flashing, then the system will save the channel and exit the channel switchover mode ( The Channel A function button is used to adjust Channel A and the Channel B function button is used to adjust Channel B).

### 2. Output Volume Adjustment Method of the Receiver

Click the “CH/VOL” function button of Channel A or Channel B on the front panel to increase the volume (the screen is flashing while displaying “0-9” circularly) for the desired volume level. Two seconds later, the system will save the volume and exit the volume adjustment mode, and the current channel will be indicated on the display screen.

### 3. Channel Adjustment Method of the Handheld Transmitter

Long press the “CH” button until the screen flashes and enters the channel switchover mode, then click the button to adjust (circulation: within 01-16) and select the desired channel. Two seconds later, the screen display will stop flashing, the system will save the channel and exit the channel switchover mode.