

TAKSTAR® 得胜

TC-2R

无线麦克风 Wireless Microphone

用户手册 User Manual



TAKSTAR®

广东得胜电子有限公司

生产基地:广东省惠州市博罗县龙溪镇富康一路2号

电话: 400 6828 333 传真: 0752-6383950

邮箱: xs@takstar.com

邮编: 516121

网址: www.takstar.com

Designed & Manufactured by:

Guangdong Takstar Electronic Co., Ltd.

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

International Sales:

Tel: +86 752 6383644

Email: sales@takstar.com

Website: www.takstar.com

广东得胜电子有限公司

GUANGDONG TAKSTAR ELECTRONIC CO., LTD.

尊敬的客户您好，感谢您购买了TAKSTAR TC-2R无线麦克风。为了确保您更好的使用本产品，请在使用前，详阅本说明书了解正确操作方法，以获得良好的使用效果，并请妥善保管好本说明书，以备将来需要。

» 产品介绍：

本TC系列的无线麦克风系统适用于卡拉OK演唱、节目主持、节目访谈、广播应用、会议主持、户外活动等场合。这套系统有着长距离（50-80米）、高保真音色和低失真，可以让您随时随地放心地使用。

» 产品特性：

- VHF双通道无线麦克风，有效距离达50-80米。
- 采用动圈麦克风咪芯和语音处理电路，能发挥出良好的音质效果。
- 具有防声反馈啸叫功能，能有效降低啸叫的产生。
- 具有独立和混合式 $\phi 6.3\text{mm}$ 音频输出插座，可接调音台和卡拉OK放大器。
- 采用独立包装方式，可任意搭配手持麦克风TC-TD，腰挂式发射器TC-TL，台式会议无线麦克风TC-TH使用，满足不同场合的需求。
- 发射器和对应接收机的频率使用不同的颜色区分，一目了然，操作简便。

» 注意事项：

- 接收机的安装离地面要高于一米，距墙面要大于一米。
- 主机使用时应避免放置到死角的地方以确保信号接收状况良好。
- 使用手持麦克风时，请勿抛、摔、扔、丢，以免造成严重损坏。
- 机体应避免直接日晒雨淋，尽量远离电磁场。
- 没有经过厂家授权同意，用户不得擅自对机体内部做修改和变动，修改或擅改系统内部配件可能导致机器不能正常工作，并可能使保修承诺作废。
- 请勿自行拆卸，内有可能伤及身体的高压。

» Contents

Receiver	1pc
Audio Connecting Cable	1pc
Power Adaptor	1pc
User Manual	1pc
TC-TD Configuration (optional): handheld microphone	1pc
9V battery	1pc
TC-TL Configuration (optional): bodypack transmitter	1pc
headset microphone	1pc
lavalier microphone	1pc
alkaline batteries	2pcs(AA)
TC-TH Configuration (optional): conference microphone	1pc
alkaline batteries	2pcs(AAA)

» Trouble/Troubleshooting

Troubles	Troubleshooting
When the receiver is powered on, indicator does not light up	Check the adaptor is plug well, power receptacle is work or not
The "RF" indicator is lit when sound to the microphone, but there is no sound output	Check the microphone power switch is pushed to the middle position, volume knob is turned to the minimum level
Operating distance is too short, signal is not stable	Receiver antenna does not pull out, microphone run out of the battery, please change. The receiver is placed on the wrong places such as ground, dead corner or there is strong interference around, keep the receiver away from electromagnetic field
Sound quality turns bad	Transmitter is run out of the battery, please change. There is same high frequency band around, do not use two systems with same frequency at one venue simultaneously

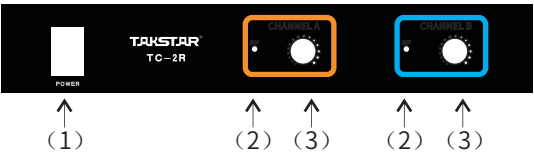
- (16) Audio Output Port: connect the XLR cable to this port to use the microphone as a wired conference microphone.
- (17) Power Switch.
- (18) Power Status Indicator: when the power switch is turned on, indicator is lit.
- (19) Battery Compartment: install 2pcs AA battery, then close the battery cover.
- Notice: Take out the battery when the microphone is unused for a long periods of time, avoid the battery leakage damage the microphone.

» Specification

- Squelch Control: noise lock
- Frequency Deviation: $\pm 18\text{kHz}$
- Frequency Response: 80Hz-15kHz
- Frequency Steadiness: $\pm 0.005\%$
- S/N Ratio: $>70\text{dB}$
- THD: $<0.5\%$ (1kHz)
- Number of Channels: 2 channels
- Sensitivity: -80dBm
- Operating Range: 50-80m in open area
- False Image Interference Rate: $\geq 80\text{dB}$
- Harmonic Interference Rate: $\geq 50\text{dB}$
- Transmit Power: $<10\text{mW}$
- Receiver Power Supply: DC 12V/300mA
- Transmitter Power Supply: 9V battery (TC-TD)
AA 1.5V x 2 (TC-TL)
AAA 1.5V x 2 (TC-TH)
- Frequency Range
- Orange: 268.9MHz
- Blue: 240.9MHz
- Red: 250.3MHz
- Green: 221.3MHz
- Output Type: Separate or mixed output

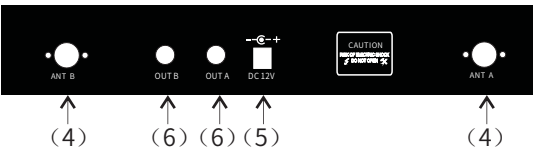
» 使用说明：

接收机的操作 正面板



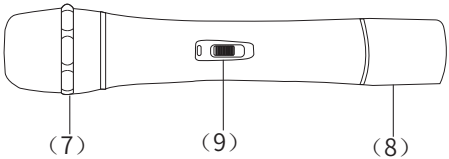
- (1) . 电源开关: 打开电源开关，电源指示灯亮。
- (2) . 接收机对应信号灯：当手持麦克风、领夹麦克风或底座麦克风开机后，接收机对应的“RF”信号灯亮。
- (3) . 接收机对应频道音量调节旋钮：接收机输出音量大小，可由对应音量控制旋钮调整。

接收机的操作 后面板



- (4) . 天线输入，BNC座：使用时，拉出天线A和B，使之与机体成90度的角。
- (5) . 电源插座：连接12V DC 电源至输入插座；插座的中心电极连接正电压。
- (6) . 音频输出
- 注： 若长期不使用请拔出电源转换器。

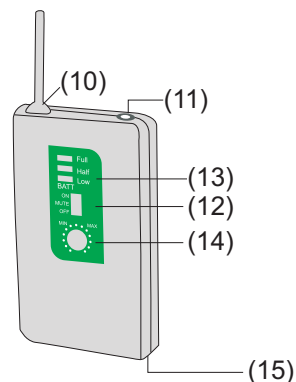
麦克风的操作 手持麦克风



- (7) . 网头及音头模组：网头用以保护将声音转换成音频信号的音头模组，消除“POP”风杂音，并能防止麦克风放置在台面时滚动。

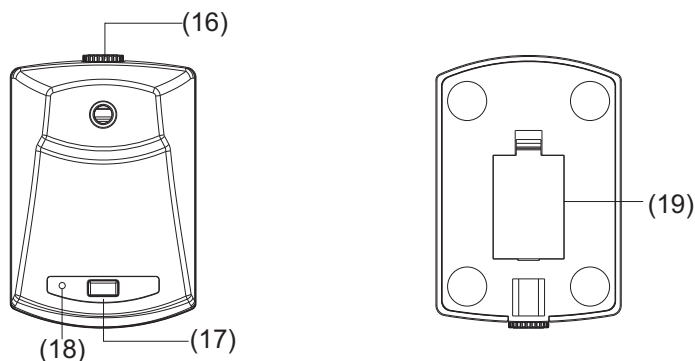
- (8) . 电池仓：按逆时针方向旋开发射器尾管，装入9V层叠电池，然后顺时针方向旋紧尾管。
- (9) . 电源开关：将电源开关推至“ON”，电源指示灯亮。

麦克风的操作 腰挂麦克风



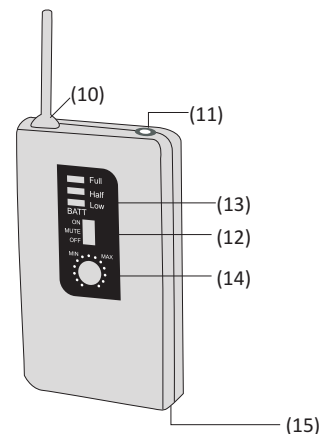
- (10). 发射天线：为1/4 波长鞭状发射天线
- (11). 麦克风输入连接座：将领夹麦克风或头戴麦克风的插头插入发射器的“MIC”插孔内
- (12). 电源开关：使用时将开关置于“ON”的位置；静音时置于“MUTE”；不使用时则置于“OFF”
- (13). 电源状态指示灯：当电源开关置于“ON”时；指示灯亮，表示电池电量饱和程度。当灯亮“LOW”时，则表示电量即将用完，请备好电池以便更换。
- (14). 音量调节旋钮：将旋钮向“MAX”方向调节，则提升音量，反之则降低。
- (15). 电池仓：装入2节AA 电池后，盖住电池。

麦克风的操作 会议麦克风



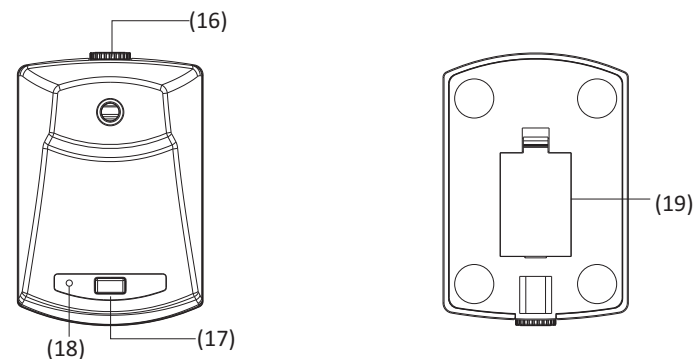
- (8) Battery Compartment: unscrew the tail pipe of the microphone counterclockwise, install 9V layer-built battery, then screw the tail pipe clockwise.
- (9) Power Switch: turn the switch to the “ON” position, power indicator lights up.

Bodypack Microphone



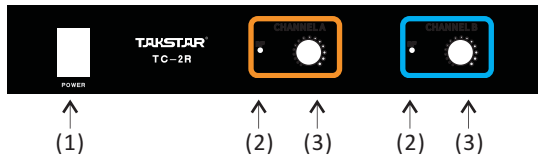
- (10) Transmit Antenna: 1/4 wave length whip antenna.
- (11) Microphone Input Port: plug the connector of the lavalier microphone/headworn microphone into the “MIC”port of the transmitter.
- (12) Power Switch: push the switch to the “ON” position to turn on the unit; push the switch to the “OFF” position to turn off the unit; push the switch to the “MUTE” position for mute mode.
- (13) Power Status Indicator: when the power switch on the “ON” position, indicator is lit, it means the battery capacity is full; when the indicator indicates “LOW” , it means the battery level is low and please replace in time.
- (14) Volume Control Knob: tune the knob to the “MAX” direction to increase the volume, conversely tune the knob to reduce the volume.
- (15) Battery Compartment: install 2pcs AA battery, then close the battery cover.

Table Conference Microphone



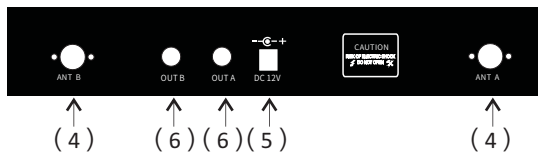
» Operating Instruction

Front Panel



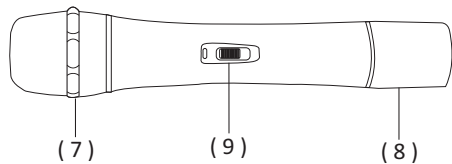
- (1) Power Switch: when the receiver is powered on, power indicator is lit.
- (2) Receiver Corresponding Signal Indicator: when the handheld microphone, lavalier microphone or table microphone turned on, the receiver corresponding RF signal indicator is lit.
- (3) Receiver Corresponding Channel Volume Control Knob: the receiver output volume can be adjusted by the corresponding volume control knob.

Rear Panel



- (4) Antenna Input, BNC socket: when using, pull out the antenna A and B, making it and the unit into a 90 degree angle.
- (5) Power Socket: connect 12V DC Power to input socket, central electrode of the socket connects to positive voltage.
- (6) Audio Output.
- Notice: unplug the adaptor when it is unused for a long periods of time.

Handheld Microphone



- (7) Wire-mesh Cap and Capsule: wire-mesh cap protects the capsule, eliminates “pop” noise and avoid rolling when placed on the table.

- (16). 音频输出连接座：卡侬线插入此插座，将作为有线会议麦克风模式使用。
- (17). 电源开关
- (18). 电源状态指示灯：当电源开关置于开时，指示灯会亮。
- (19). 电池仓：装入2节AAA 电池后，盖住电池。
- 注： 若长期不使用，请取出电池，以免电池漏液而损坏麦克风。

» 技术参数：

- 静音控制：锁杂讯
- 频偏：±18kHz
- 频率响应：80Hz-15kHz
- 频率稳定度：±0.005%
- 信噪比：>70dB
- 失真度：<0.5% (1kHz)
- 频道数：双通道
- 接收灵敏度：-82dB±3dB
- 使用距离：空旷地带50-80米
- 假象干扰比：≥80dB
- 谐波干扰比：≥50dB
- 发射功率：<10mW
- 接收机供电：DC 12V/300mA
- 发射器供电：9V 电池 (TC-TD)
- AA 1.5V×2 (TC-TL)
- AAA 1.5V×2 (TC-TH)
- 频率范围：橙色：268.9MHz
- 蓝色：240.9MHz
- 红色：250.3MHz
- 绿色：221.3MHz
- 输出方式：独立及混合自动输出

» 配置：

接收机	一台
音频连接线	一条
电源适配器	一个
说明书	一本

TC-TD配置（选配）：手持麦克风1支、9V层叠电池1个

TC-TL配置（选配）：腰挂发射器1个、头戴/领夹麦克风各1个、碱性电池2节（AA）

TC-TH配置（选配）：会议麦克风1个、碱性电池2节（AAA）

» 故障现象/故障原因：

故障现象	故障原因
打开接收机电源开关，指示灯不亮	检查电源转接器是否插好，插座是否有电
讲话时“RF”灯亮但系统完全无声输出	麦克风电源开关是否拨至中间档，音量旋钮是否调小
使用距离变短，信号不稳定	接收机天线没拉出，麦克风电池即将用完，请更换。接收机放置位置不对，例如放在地上或墙角，周围有强烈的电磁场干扰，应远离电磁场
音质变差	发射器电池已经用完，请更换。周围有同频率之高频信号，切勿将两台同频率的机器同时同地使用

Thanks for purchasing TAKSTAR TC-2R wireless microphone, in order to exert the best performance of this product, please read the manual detailedly before using , and keep it handy for future reference.

» Introduction

The TC series wireless microphone is customized for karaoke, host, talk show, broadcasting and outdoor activities, the system features long operating distance up to 50-80m, high fidelity sound performance and low distortion characteristics.

» Features

- VHF dual channels wireless microphone
- 50–80m operating range
- High quality dynamic capsule and audio processing circuitry features excellent sound quality
- Feedback rejection function effectively reduces howling
- Individual and mixed $\Phi 6.3\text{mm}$ audio output socket for connecting with mixer and karaoke amplifier
- The receiver can be used together with handheld mic TC-TD, body-pack mic TC-TL or conference mic TC-TH at the same time
- Easy recognition by different color for each channel

» Cautions

- Receiver should be installed more than 1m above the ground and away from the wall
- To ensure the excellent receiving performance, avoid placing the host unit on the dead corner
- When using the hand-held microphone, avoid throwing the microphone, otherwise damage will be caused
- Avoid exposing the unit to rain, sunshine, keep it away from the electromagnetic field
- Without Takstar's express approval, user is not allowed to make any changes or modifications to the unit, it may cause failure or damage to the unit and void the warranty
- Do not disassemble the unit by yourself, high pressure inside the unit may hurt your body