

# TAKSTAR® 得胜

## TS-K201

便携式无线麦克风

Portable wireless microphone



使用手册 User Manual

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## ■ 前言

尊敬的用户：

感谢您选购得胜TS-K201便携式无线麦克风，为了您能够更好的了解使用本产品，建议您在使用前仔细阅读本说明书。

若存在有疑问或者您有宝贵的建议，可通过拨打得胜官方服务热线400 6828 333或微信扫描二维码关注得胜官方公众号与我们联系。



## ■ 产品特性

- 专为直播、K歌、演讲等场合设计，广泛应用于声卡、功放及户外音箱等设备上；
- 采用 UHF 无线技术，摆脱复杂的线材连接，让直播、K歌、演讲不再有束缚；
- 自动对频技术，操作简便，抗干扰强，在空旷地带使用距离约25米；
- 50 个频道可调节，避免频率干扰，支持多套麦克风同时使用；
- 麦克风带有 LED 显示屏，操作简单，使用信息更直观；
- 接收器集成小体积封装芯片，便携小巧，即插即用，方便与各种音频设备连接；
- 一键静音功能，可以根据实际情况快速切断麦克风声音信号；
- 配送 $\phi 6.3\text{mm}$ 转换插头，方便与 $\phi 6.3\text{mm}$ 接口的音频设备连接。

## ■ 适用范围

直播、K歌、宣传、演讲等

## ■ 包装清单

麦克风	1个
接收器	1个
充电线	1条
转换插头	1个
防滑圈	1个
5号干电池	1对
说明书	1份

## ■ 技术参数

### 综合参数

频率范围：630-698MHz(分段)

通道数：单通道

信道数：50个

调频宽度：12.5MHz

信道间隔：250KHz

调制/解调方式：FM

静音控制：导频/数字ID

频率响应：120Hz-17KHz(1KHz为基准 -3dB) 尺寸：Φ36.5mmX245mm (直径X长)

频率稳定度：±7KHz

信噪比：≥95dB

动态范围：≥90dB

失真度：<1% (at 1KHz)

使用距离：约25米 (空旷地带)

### 发射器 (麦克风)

拾音器：动圈

指向性：单指向

灵敏度：-55±3dB dB

(0db=1V/Pa/m at 1kHz)

增益调节：-18dB - 21dB

发射器功率：≤10mW

供电方式：2节AA电池

净重：约237g

### 接收器

音频输出方式：Φ3.5mm线路输出

电池类型：锂离子电池

电池规格：3.7V  $\approx$  400mAh

充电规格：USB 5V  $\approx$  200mA(电池最大充电电流)

充电时间：约2小时

使用时间：约5小时

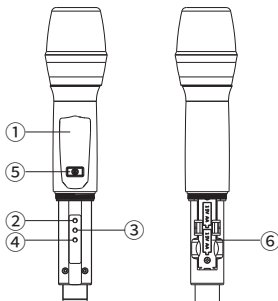
尺寸：80.5mmX28mmX15.5mm (长X宽X高)

净重：约22g

注：以上数据由得胜实验室测试得到，并拥有最终解释权！

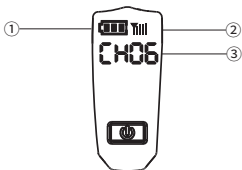
## ■ 功能示意

### 麦克风



- ① 显示屏：显示工作频道、麦克风音量、麦克风信号、电池电量等信息；
- ② CH按键：用于对频操作，详见本说明书的“对频调节方法”部分；
- ③ ^ 按键：点按增加麦克风音量；在对频状态下，点按切换上一个频道，长按快速跳转频道；
- ④ V 按键：点按减少麦克风音量；在对频状态下，点按切换下一个频道，长按快速跳转频道；
- ⑤ 电源按键：点按开机，长按2秒关机。开机状态下，循环点按开启或关闭“静音”功能；
- ⑥ 电池仓：装入两节5号干电池。

### 麦克风显示屏



- ① 电池电量：电池电量有三格，以格数的多少来表示电池电量，电量不足时，电池符号闪烁；
- ② 信号符号：麦克风静音时，信号符号消失；取消静音时，信号符号恢复显示；
- ③ 工作频道/麦克风音量：默认显示当前麦克风工作频道，有“CH01-CH50”共50个工作频道；当调整麦克风音量时，则显示当前麦克风音量大小，有“U01-U13”共13级音量；

## 接收器

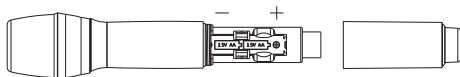


- ①  $\Phi 3.5\text{mm}$ 插头：与带有 $\Phi 3.5\text{mm}$ 的麦克风接口连接，如设备的麦克风接口为 $\Phi 6.3\text{mm}$ 规格的，请使用标配的转接头连接；
- ② 充电指示灯：当使用过程中指示灯闪烁红灯，表示电量不足，需及时充电。充电时常亮红灯，充满电常亮绿灯。
- ③ 工作指示灯：无线配对过程中闪烁蓝灯，配对成功常亮蓝灯；
- ④ 开关拨钮：拨至“ON”位置时，开启设备；拨至“OFF”位置时，关闭设备；
- ⑤ Micro USB充电接口：外接电源适配器给接收器充电。也可以边充电边用，边充电边用时建议用移动电源，可避免电流干扰。

## ■ 使用说明

### 一、麦克风电池安装

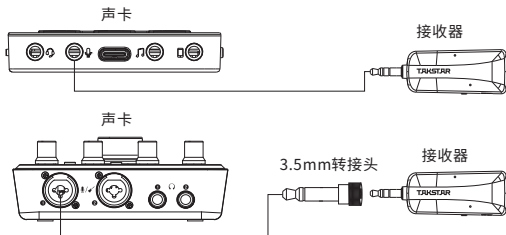
逆时针扭开麦克风尾盖，将2节5号干电池按电池仓标明的正负极性安装，注意电池极性不要装反；然后顺时针旋紧麦克风尾盖；如下图



提示：当麦克风显示屏电量符号闪烁，显示电量不足，请及时更换电池。

## 二、连接声卡

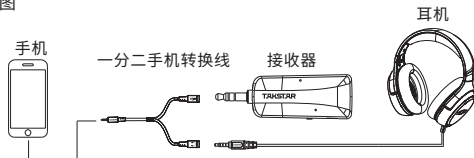
1. 连接前请先将声卡的麦克风音量调至最小；
2. 将接收器连接到声卡的 $\Phi 3.5\text{mm}$ 麦克风接口，如声卡的麦克风接口为 $\Phi 6.3\text{mm}$ 规格的，请使用标配的转接头连接；如下图

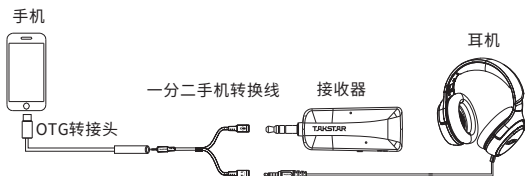


3. 打开接收器和麦克风电源开关，根据实际需要，适当调节声卡音量及无线麦克风音量即可；
4. 声卡连接耳机监听麦克风声音是否正常，如没有监听到麦克风声音，请参照本说明书的故障排除部分尝试解决。

## 三、连接手机

1. 将一分二手机转换线（一分二手机转换线需自行另购）连接到手机的 $\Phi 3.5\text{mm}$ 接口，如果手机没有 $\Phi 3.5\text{mm}$ 耳机接口的，需配合OTG转接头使用（OTG转接头需自行另购），再将接收器接到一分二手机转换线上标有“ $\mu$ ”符号的接口，如需监听录制效果，则把耳机接到一分二手机转换线上标有“ $\alpha$ ”符号的接口；如下图



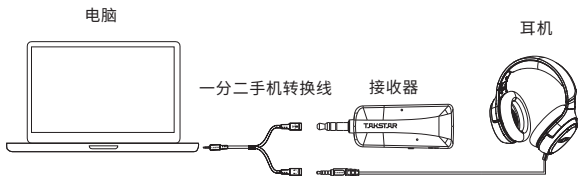


2. 打开接收器和麦克风电源开关，根据实际需要，适当调节无线麦克风音量即可；
3. 打开手机录音（录像）测试是否能正常录音，请参照本说明书的故障排除部分尝试解决。

提示：强烈建议购买苹果原装转接头或原装Type-C转接头，否则有可能会各种兼容性问题。

## 四、连接电脑

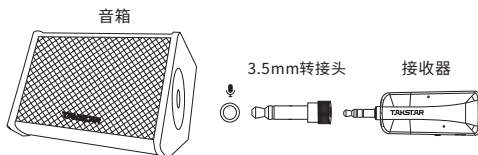
1. 当电脑的音频接口是双孔接口的，直接将接收器连接到电脑上标有“🎧”符号的接口；如果电脑的音频接口是单孔接口的，需先将一分二手机转换线（一分二手机转换线需自行另购）连接到电脑的Φ3.5mm接口，再将接收器接到一分二手机转换线上标有“🎧”符号的接口，如需监听录制效果，则把耳机接到一分二手机转换线上标有“🎧”符号的接口；如下图



2. 打开接收器和麦克风电源开关，根据实际需要，适当调节声卡音量及无线麦克风音量即可；
3. 打开电脑的录音或录像软件测试是否能正常录音，请参照本说明书的故障排除部分尝试解决。

## 五、连接户外音箱/扩音器

1. 连接户外音箱/扩音器方法与声卡连接相似，不再赘述。如下图



## 六、音量调节方法

1. 点按“^”增大麦克风音量，点按“v”键减小麦克风音量，显示屏“U01到U13”循环变化（13级可调）；
2. 音量有记忆功能，下次开机时保持最后一次关机时的音量；
3. 停止操作音量按钮2秒钟后，自动退出，音量显示“UXX”恢复到“CHXX”频道显示状态；

补充说明：由于手机、声卡、户外音箱等拍摄设备所接受的录音输入增益要求有所不同，因此需要根据所接的拍摄设备情况对麦克风输出音量进行适当的调整。单反、专业摄像机等拍摄设备应适当调小麦克风的输出音量，手机、平板等设备可适当增加麦克风的输出音量。一般调节至不出现爆音、失真为宜。

## 七、对频方法

产品出厂时频率已默认配对好，开机会自动连接，无需配对。如遇到信号干扰，可按下面方法进行重新配对或变频。

### 1、对频方法

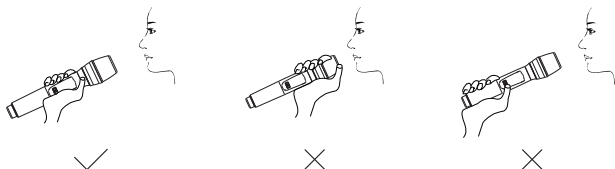
- ①麦克风及接收器保持关闭状态，首先打开麦克风电源开关；
- ②扭开麦克风尾管，长按“CH”键3秒，待显示屏频道变为“———”动态显示时，松开按键，此时立即打开接收器电源开关开始对频。如果10秒钟内没有打开接收器电源开关，则对频失败；
- ③对频大约在5秒钟内完成，当麦克风由“———”动态显示变为频道（CHXX）静态显示，接收器蓝色指示灯由闪烁变为常亮状态时，对频成功；
- ④如对频失败，接收器蓝灯则一直闪烁，重新按上面方法对频。

## 2、变频方法

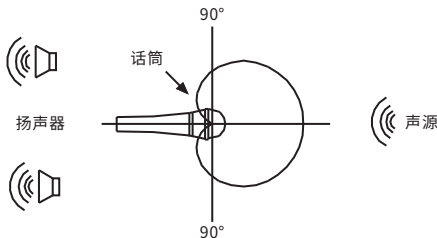
- ①确保对频是成功的状态下，分别打开发射器及接收器电源开关；
- ②点按麦克风“CH”键，显示屏频道（CHXX）闪烁，进入变频状态；
- ③在8秒内点按“^”或“V”键可切换频道数值，点按“CH”键确认；
- ④如果8秒钟内没有操作“CH”确认，频率自动停止闪烁固定在当前选择的频率。

## 八、正确握持方法

1. 嘴部与麦克风保持距离建议在5~15CM之间。太近会引起调制过大而产生信号失真，太远的灵敏度使调制度不够，将会降低信噪比；
2. 手握麦克风管体中间部位，不能用手捂住麦克风网头，否则容易产生啸叫，也不要用手握住麦克风尾部，以免影响麦克风信号；
3. 尽可能的拉开麦克风与扬声器的距离，避免麦克风和扬声器相对，以免影响麦克风音质及有效控制回馈啸叫。



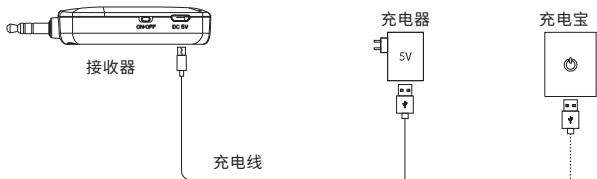
握持示意



## 九、充电说明

1. 可连接移动电源、电源适配器给接收器充电；
2. 打开接收器电源开关，工作指示灯不亮，说明接收器没电。充电指示灯闪烁红灯，说明接收器电量不足，需及时充电；
3. 充电过程中，电量指示灯常亮红灯；充满电后，电量指示灯常亮绿灯。请使用5V直流电源充电，在充电电流200mA的情况下，约2小时即可充满电。当电池电量充满时，请及时停止对电池充电，避免电池过充。

提示：初次使用时，建议先充满电；如长时间不用，要每半年给接收器充一次电，避免电池过放，对电池性能产生影响。如果需要边充电边使用接收器，建议连接充电宝给接收器充电。如果连接电源适配器上充电使用，使用中有可能会生产电流声。



## ■ 故障现象

故障现象	故障原因
接收器连接断开、不能连接发射器	距离超出使用范围，请缩短使用范围：室外有效使用距离约为25米，如有遮挡或室内使用时，距离会相应缩短
	可能受到干扰，请调整更换工作频率
大声讲话时声音失真	请调整麦克风和声源之间的距离
无声/声音极小	检查接收器的输出插头是否连接到位，请重新连接后再试
	检查所连接设备的音量是否调的过小，调节后看是否能恢复正常
	检查麦克风是否设置了静音，请取消静音再试
	检查麦克风及接收器是否电量过低，请尝试更换电池以及充电后再试
	检查无线信号连接是否正常，如信号不正常，请尝试重新对频解决
无线使用距离短	发射器和接收器受建筑物遮挡会影响使用距离
	发射器和接收器尽量不被物体（特别是金属件）笼罩，以利于信号传送
	在人群众多的环境，人体会衰减无线电波，尽可能使发射和接收不被人群遮挡
	可能受到干扰，请更换发射器的频率
电池使用时间短	请使用高能碱性电池或大容量可充电电池为本机供电
风噪声大	可在麦克风上加套一个防风棉
	不要在迎风的位置或电风扇前使用麦克风
干扰噪声	发射器或接收器低电量时，产品性能降低可能导致轻微噪声，应及时充电或更换电池
	受到其它无线电设备干扰产生噪声，请更换发射器频率尝试解决
	受到其他电器设备的干扰，如电磁灶、电机、功放机等，请远离这些设备


如果出现的故障不包含在上表，请勿自行拆开修改，请联系厂家或当地经销商！

## ■ 安全警示

为避免电击、高温、着火、辐射、爆炸、机械危险以及使用不当等可能造成的人身伤害或财产损失，使用本产品前，请仔细阅读并遵守以下事项：

1. 使用产品时请确认所连接设备与本产品功率是否匹配以及合理调整设备音量大小，不要在超过产品功率及大音量下长时间使用，以免造成产品异常和听力损伤；
2. 使用中若发现有异常（如冒烟、异味等），请立即关闭电源开关并拔掉电源插头，然后将产品送经销商检修；
3. 若产品需要使用可拆装电池时，严禁使用外壳绝缘材料破损的电池；请不要为非充电电池充电；
4. 废弃电池需放入指定的分类垃圾桶，不可作为儿童玩具或直接丢弃，以免造成安全隐患或影响环境；
5. 超过一周不使用本产品时，请取出麦克风内电池，以免电池漏液导致产品损坏；
6. 本产品及配件都应放置在室内干燥通风处，勿长期存放在潮湿、灰尘多的环境，使用中避免靠近火源，雨淋、进水、过度碰撞、抛掷、振动本机及覆盖通风孔，避免损坏其功能；
7. 若产品需要固定于墙壁或天花板上时，请确保固定到位，防止因固定强度不足导致产品发生跌落危险；
8. 使用该产品时需遵守相关安全规定，法律法规明确禁止使用场合请勿使用产品，以免导致意外事故；
9. 请不要自行拆机改装或维修，以防止出现人身伤害，如有问题或服务需求请联系当地经销商跟进处理。

## ■ 关于图标含义解释

 根据RL2004/108/EG和European Low Voltage Directive（欧洲低电压指令）RL2006/95/EG的测试结果表明，本产品符合欧共体关于电磁兼容性的成员国法律整合的指令中所规定的限值。



此符号表示, 根据WEEE指令(2012/19/EU)和国家法律, 由于这种类型的废弃物会有潜在的有害物质, 可能对环境和人类健康产生负面影响, 所以本产品不应与您的家庭垃圾一起处置, 应将本产品交由授权的电气和电子设备(WEEE)回收站回收。同时, 您在正确处理本产品的同时将有助于自然资源的利用。如了解更多有关您可以在何处放置废物回收设备的信息, 请有效联系您当地的城市办事处、废物管理局或家庭废物处理服务部门。



未经合规方明确批准的变更或修改可能会使用户失去操作设备的权限。

此设备符合FCC规则第15条部分的要求。操作须符合以下两个条件:

- (1) 此设备可能不会造成有害干扰, 并且
- (2) 此设备必须接受接收到的任何干扰, 包括可能导致意外操作的干扰。

## ■ 环保说明

产品中有毒有害物质或元素的名称及含量标识表

部件名称	有毒有害物质或元素					
	铅 (Pb)	汞 (Hg)	镉 (Cd)	六价铬 (Cr(VI))	多溴联苯 (PBB)	多溴二苯醚 (PBDE)
塑料部件	○	○	○	○	○	○
金属部件	×	○	○	○	○	○
电路板组件	×	○	○	○	○	○
线缆	×	○	○	○	○	○

本表格依据SJ/T 11364的规定编制。

○: 表示该有害物质在该部件所有均质材料中的含量均在 GB/T 26572规定的限量要求以下。

×: 表示该有害物质至少在该部件的某一均质材料中的含量超出 GB/T 26572规定的限量要求。

此标志为产品的环保使用期限标志,

且此环保使用期限只适用于产品正常工作的温度和湿度等条件。



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## ■ Product

Dear Customer,

Thank you for purchasing TAKSTAR TS-K201 portable wireless microphone. Please read the user manual carefully before operation and keep it for reference in future.

If you have any question or suggestion, please contact our local dealer.

## ■ Features

- Tailored for sound card, power amplifier or speaker cabinet during webcast, Karaoke, speech;
- UHF technology, without the trouble of cable connection;
- Automatic matching technology, easy operation, high capability of anti-interference, about 25m operation range in open area;
- 50 channel for adjustment, without frequency interference, supporting multiple microphones used simultaneously;
- LED display, easy operation, intuitive information;
- Compact design, plug and play, conveniently connecting with various audio equipment;
- Press one button for mute function. Cutting down mic signal quickly according to actual situation;
- $\phi 6.3\text{mm}$  adapter to conveniently connect with audio equipment of  $\phi 6.3\text{mm}$  connector;

## ■ Application

Webcast, Karaoke, propaganda, speech

## ■ Product content

Microphone.....	1pc
Receiver.....	1pc
Charging cable.....	1pc
Adapter.....	1pc
Anti-skidding loop.....	1pc
AA battery.....	2pcs
User manual.....	1pc

## ■ Specification

### Specification

Frequency Range: 630-698MHz  
(frequency band)

Channel Quantity: mono

Frequency Band Quantity: 50

FM Width: 12.5MHz

Frequency Band Interval: 250KHz

Modulation: FM

Mute: wave guid/digital ID

Frequency Response: 120Hz-17KHz  
(1KHz reference -3dB)

Frequency Stability:  $\pm 7$ KHz

S/N Ratio:  $\geq 95$ dB

Dynamic Range:  $\geq 90$ dB

Distortion:  $< 1\%$ (at 1KHz)

Operation Range: approximate 25m(open area)

### Receiver

Audio Output:  $\Phi 3.5$ mm line out

Battery: Li-ion battery

Battery Specification: 3.7V  $\approx$  400mAh

Charging: USB 5V  $\approx$  200mA (max battery charging current)

Charging Time: approximate 2h

Operation Time: approximate 5h

Dimension: 80.5mmX28mmX15.5mm(L X W X H)

Net Weight: approximate 22g

### Transmitter (microphone)

Cartridge: dynamic

Polar Pattern: unidirectional

Sensitivity:  $-55 \pm 3$ dB dB  
(0db=1V/Pa/m at 1kHz)

Gain Adjustment: -18dB - 21dB

Transmitter Power:  $\leq 10$ mW

Power Supply: 2 AA batteries

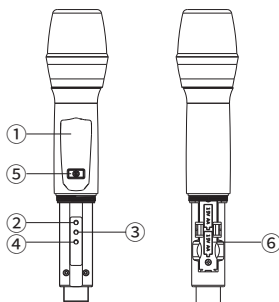
Dimension:  $\Phi 36.5$ mmX245mm

Net Weight: approximate 237g

Note: the above data is obtained from the test of Takstar laboratory, and Takstar has the final interpretation right!

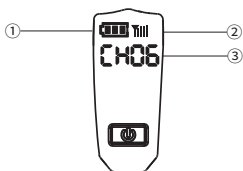
## ■ Function instruction

### Microphone



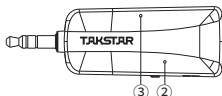
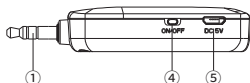
- ① Display: it shows the operation frequency band, mic volume, mic signal, battery power, etc.
- ② CH button: used for matching operation. refer to the Matching Adjustment section in this user manual.
- ③ ^ button: press to increase the mic volume. In matching status, press it to switch the previous frequency band. Keep pressing it to switch the frequency band quickly.
- ④ V button: press to decrease the mic volume. In matching status, press it to switch the next frequency band. Keep pressing it to switch the frequency band quickly.
- ⑤ Power switch: press it to turn on. Keep pressing it to turn off. In turning on status, press it to turn on/off the mute function.
- ⑥ Battery compartment: it loads two AA batteries.

## Mic display



- ① Battery power: three levels of the battery power to show the battery power. When the battery power is insufficient, the battery symbol flashes.
- ② Signal symbol: when the mic is muted, it disappears. When the mute is cancelled, it appears.
- ③ Operation frequency band/mic volume: it defaults to show the mic operation frequency band. CH01-CH50 totally 50. When the mic volume is being adjusted, it shows the mic volume, U01-U13 totally 13 levels.

## Receiver

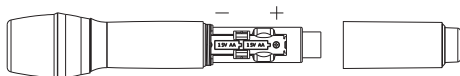


- ①  $\Phi$ 3.5mm connector: linking with  $\Phi$ 3.5mm mic connector. If the mic connector is not  $\Phi$ 6.3mm, please use adapter.
- ② Charging LED: it lights up red during operation. This means insufficient power. Please recharge in time. It lights up red during charging, and keeps lighting up green after being charged fully.
- ③ Operation LED: it flashes blue during wireless matching, and keeps lighting up blue after matching is successful.
- ④ Power switch: set it to ON to turn on and OFF to turn off.
- ⑤ Micro USB charging port: use external adapter to charge the receiver, or you can charge during operation. It is recommended to use power bank to charge during operation to avoid current interference.

## ■ Operation instruction

### A.Mic battery installation

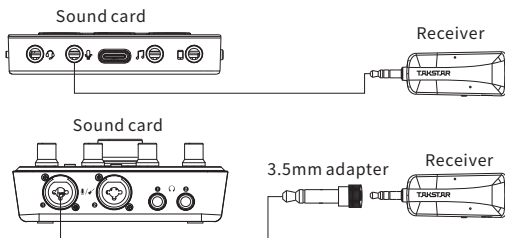
open the cover and load two AA batteries into the battery compartment. Please keep the right polarity, and then close the cover. Refer to the figure below:



Note: when the power symbol flashes, this means insufficient power. Please replace battery in time.

### B.Connecting with sound card

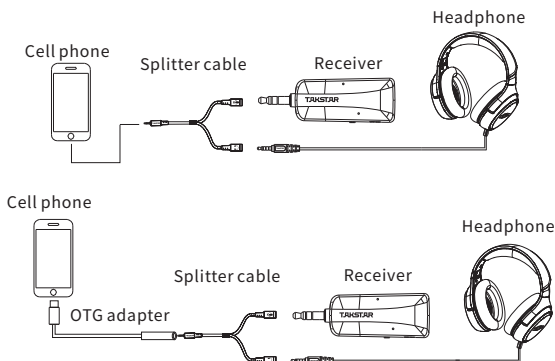
1. Please set the mic volume to minimum before connecting with the sound card.
2. Connect the receiver with  $\Phi 3.5\text{mm}$  mic connector of the sound card. If the sound card has no  $\Phi 6.3\text{mm}$  connector, please use adapter. Refer to the figure below:



3. Turn on the receiver and mic power switch. Adjust the sound card volume and mic volume to a proper level.
4. Connect the sound card with headset to check if the mic sound is normal. If you can not hear the mic sound. Please refer to the Trouble Shooting section in this manual to solve the problem.

### C. Connecting with cell phone

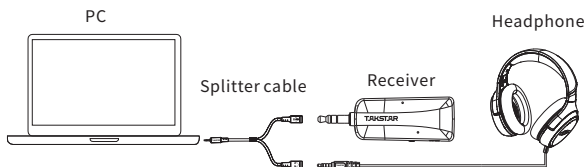

1. Connect the splitter cable (buy additionally) with  $\Phi 3.5\text{mm}$  connector of cell phone. If the cell phone has no  $\Phi 3.5\text{mm}$  connector, please use OTG adapter (buy additionally). Refer to the figure below; Connect the receiver with the connector marked with “ $\mu$ ” of the splitter cable. If you need to monitor the recording effect, connect the headset with connector marked with “ $\alpha$ ” of the splitter cable. Refer to the figure below:



2. Turn on the receiver and microphone power switch. Adjust the microphone volume to a proper level according to actual requirement.
3. Turn on the cell phone recording to check if it can record normally. If it has recording problem, please refer to the trouble shooting section to solve the problem.

Note: it is recommended to use the supplied iPhone adapter or Type C adapter, otherwise it may lead to compatibility problem.

## D. Connecting with PC

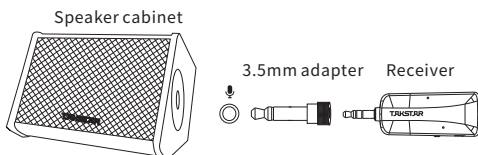
1. If the PC audio connector has dual ports. Connect the receiver with the port marked with “

The diagram illustrates the connection of the TS-K201 Receiver to a PC and headphones. On the left, a laptop is labeled "PC". A "Splitter cable" is connected to the PC's audio port. The splitter cable has two outputs: one labeled "MIC" which is connected to the "Receiver" (a small rectangular device with "TAKSTAR" branding), and another labeled "HP" which is connected to a pair of "Headphone".

2. Turn on the receiver and mic, adjust the volume of sound card and wireless mic to a proper level according to actual requirement.
3. Turn the recording or the recording software in PC to check if the recording is normal. If not, refer to the trouble shooting section in this manual to solve the problem.

## E. Connecting with speaker cabinet/amplifier

1. The way of connecting with speaker cabinet/amplifier is same as that with sound card. Refer to the figure below:



### F. Volume adjustment

1. Press “^” to increase mic volume and “v” to decrease the mic volume. “U01 ~ U13” on the display changes accordingly (13 levels adjustable).
2. The volume has memory function. Next time, it starts the volume when you turn off.
3. After stopping operation for 2 seconds, it exits automatically. The the volume display turns from “UXX” to “CHXX” channel display status.

Note: because cell phone, sound card, speaker cabinet has different requirement on recording input gain, so you need to adjust the receiver output volume accordingly. Decrease the microphone output volume properly for DSLR/pro camera, and increase for cell phone/iPad. Generally, adjust to a level without pop noise or distortion.

### G. Matching frequency

The product has been matched frequency in the factory. When you turn on it, it matches automatically. if there is signal interference, you can match again or change the frequency according to the steps below:

#### 1. Matching method

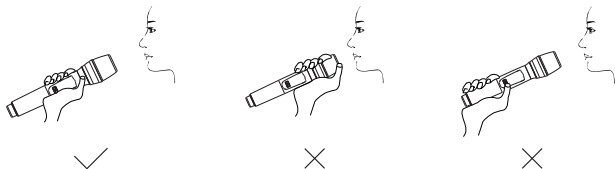
- ① When the mic and receiver are in the turning off status. Turn on the microphone first.
- ② Unlock the tail tube of mic, keep pressing “CH” button for 3 seconds. When channel on display changes to “— — — —”, release the button. Turn on the receiver power switch to match. If the power switch of receiver is not turned on in 10 seconds, the matching fails.
- ③ The matching can be finished in 5 seconds. When the mic “— — — —” dynamic status changes to (CHXX) static display, and the receiver blue LED turns flashing into lighting up status, the matching is successful.
- ④ If the matching fails, the receiver blue LED keeps flashing. Match again according to the method mentioned above.

## 2. Changing frequency method

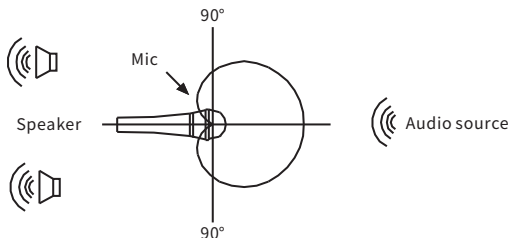
- ① After matching is successful, turn on the transmitter and receiver.
- ② Press mic CH button, channel (CHXX) flashes on the display, and it enters into changing frequency status.
- ③ Press “^” or “v” button in 8 seconds to change channel number. Press “CH” button to confirm.
- ④ If “CH” button is not pressed for confirmation in 8 seconds, the frequency stops flashing and it fixes to the currently selected frequency.

## H. Correct holding method

1. Put the mic away from mouth in a range 5~15CM. Too close range leads to signal distortion. Too far range leads to reducing S/N ratio.
2. Hold the middle section of mic housing. Do not hold the mic grille to avoid feedback. Do not hold the tail section of microphone to avoid affecting microphone signal.
3. Put the mic away speaker as much as possible. Do not point the mic to the speaker to avoid feedback.



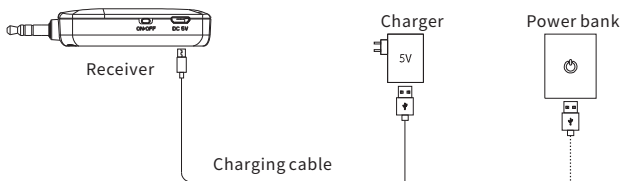
Holding diagram



## I. Charging instruction

1. Power bank or adapter can be connected for charging receiver.
2. Turn on the receiver power switch. If the operation LED does not light up, this means it has no power supply. If the LED flashes red, this means insufficient power supply. Please recharge in time.
3. During charging, power LED keeps lighting up red. After being charged fully, power LED keeps lighting up green. please use 5V DC for charging. In 200mA current status, it takes about 2h to charge fully. After fully charging, please stop charging to avoid over-charging.

Note: it is recommended to charge fully before the first time operation. if it will not be used for a long time, please charge it every half a year to avoid over-discharging. Please use power bank to charge during operation. If you connect the adapter to charge during operation, it leads to current noise.



## ■ Trouble shooting

Trouble	Trouble shooting
Receiver disconnected with transmitter	Too far distance. Put them closer: the effective outdoor operation range is 25m in open area. The indoor operation range will be smaller.
	There is interference. Adjust the operation frequency.
Distortion during speaking loudly	Adjust the distance between mic and audio source.
No sound or weak sound	Check the connection of receiver output connector. Reconnect and check the result.
	Check volume setting of connected equipment. Adjust and check the result.
	Check if the mic is muted. Please cancel the mute.
	Check if the mic and receiver have too low power. Please replace battery and charge, and then check the result.
	Check if the wireless signal connection is OK. If not, please rematch.
Near wireless operation range	The use distance of transmitter and receiver will be affected if they are blocked by buildings
	The antenna of transmitter and receiver shall not be covered by objects (especially metal part) as much as possible to facilitate signal transmission.
	In the environment with a large number of people, the human body will attenuate the radio waves, so the transmission and reception should not be blocked by the crowd as much as possible.
	There is interference. Please change the transmitter frequency.
Short battery operation time	Please use high capacity alkaline battery or large capacity rechargeable battery for power supply.

Loud wind noise	Put a windscreen on mic.
	Do not use the microphone in the windy position or in front of the fan.
Interference noise	If the transmitter or receiver has low power, it leads to low noise due to performance reduced. Please charge or replace the battery in time.
	The interference of other wireless equipment leads to noise. Please change the transmitter frequency to solve the problem.
	The interference of other electric equipment (e.g. induction cooker, electric motor, power amplifier, etc) leads to noise. Put them away from them.

If the problem still can not be solved, please contact local dealer. Do not disassemble by yourself!


## ■ Caution

To avoid electric shock, over temperature, catching fire, explosion, mechanical risk and hurt or property loss caused by improper use, please read the following items carefully before operation:

1. Please check if the power of the connected equipment matches with that of this product before operation. Adjust the volume to proper level during operation. Do not operate at over-power or high volume level for a long time to avoid abnormal functioning or hearing loss.
2. If abnormal phenomenon (smoke, abnormal smell) happens, please turn off the power switch and disconnect the power plug with power socket, and send the product to local dealer for maintenance.
3. Using battery of broken insulation material is forbidden to avoid short circuit. Please do not charge the non-rechargeable battery.
4. Put the waste battery into classification dustbin rather than used as toy by children or discarded directly to avoid potential danger or affecting the environment.

5. If this product will not be used for more than one week, take out the battery to avoid damage.
6. The product and accessories should be put in dry and ventilated place rather than humid or dusty environment. Prevent the product from liquid, rain, water, over-colliding, throwing, vibrating, vent hole covered to avoid function destroyed.
7. When the product needs to be installed on wall or ceiling, please fix it tightly to avoid dropping risk.
8. Please abide by safety rules during operation. Do not use the product in the place prohibited by regulation or law to avoid accident.
9. Do not disassemble or repair the product by yourself to avoid hurt. If you have question or need service, please contact the local dealer.

### ■ Icon meaning

 According to the test results of RL2004 / 108 / EG and European low voltage directive RL2006 / 95 / EG, this product conforms to the limit values specified in the directive of the European Community on the integration of the laws of the member states on electromagnetic compatibility.



This symbol indicates that according to WEEE Directive (2012 / 19 / EU) and national laws, this type of waste will have potential harmful substances, which may have a negative impact on the environment and human health, so this product should not be disposed together with your household waste, and should be handed over to the authorized electrical and electronic equipment (WEEE) recycling station for recycling. At the same time, when you handle this product correctly, it will help the effective use of natural resources. For more information on where you can place your waste recycling equipment, please contact your local city office, Waste Management Bureau or household waste treatment service.



NOTE: This equipment has been tested and found to comply with the limits for a Class B digital device, pursuant to part 15 of the FCC Rules. These limits are designed to provide reasonable protection against harmful interference in a residential installation. This equipment generates uses and can radiate radio frequency energy and, if not installed and used in accordance with the instructions, may cause harmful interference to radio communications. However, there is no guarantee that interference will not occur in a particular installation. If this equipment does cause harmful interference to radio or television reception, which can be determined by turning the equipment off and on, the user is encouraged to

try to correct the interference by one or more of the following measures:

- Reorient or relocate the receiving antenna.
- Increase the separation between the equipment and receiver.
- Connect the equipment into an outlet on a circuit different from that to which the receiver is connected.
- Consult the dealer or an experienced radio/TV technician for help

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

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.

## 注意事项:

1. 本单为保修凭证, 请用户妥善保管, 如有遗失, 恕不保修或退换。
2. 保修期限制: 购买之日起十二个月内。
3. 除了不可抗力事件损坏外, 由本公司负责, 免费维修。
4. 如属保管不善或使用不当造成的损坏, 维修点将酌情收费。
5. 擅自拆卸维修者, 不予保修。
6. 以上保修条款仅限于中国市场适用 (不含港澳台地区)。

## 产品服务保证书

姓名: \_\_\_\_\_ 电话: \_\_\_\_\_ 地址: \_\_\_\_\_  
 商品: \_\_\_\_\_ 型号: \_\_\_\_\_ 购买日期: \_\_\_\_\_ 年 \_\_\_\_\_ 月 \_\_\_\_\_ 日

维修记录栏 (由维修员填写)	维修员签名	日期

◆ 广东得胜电子有限公司 ◆ 电话: 400-6828-333 ◆ 地址: 广东省惠州市博罗县龙溪街道富康一路2号





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