

# TAKSTAR® 得胜

用户手册  
User's Manual



TS-6310/TS-6310A  
VHF频段无线麦克风系统  
VHF Wireless Microphone System

### ■ 前言

尊敬的用户：

感谢您选购TAKSTAR TS-6310 VHF频段无线麦克风系统，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 或使用微信扫描二维码关注得胜官方公众号与我们联系。



### ■ 产品介绍

传统无线麦克风因频率低等多种原因至使容易受到干扰，特别是来自CD/VCD/LD/电脑等数码设备散发出的大量高次谐波，为解决这一问题，我们设计了TS系列专业级的无线麦克风，除采用了常用的提高频率，多级窄带高频及中频选频滤波、多重噪音控制方式之外，更设计了独特的干扰噪音静噪功能，将非本系统的干扰信号拒之门外。

本产品系采用VHF频段特殊设计的无线麦克风系统。精选的抗干扰频段，非常适合卡拉OK工程安装以及家庭娱乐、户外演唱之用。这套系统有着长距离（50-100米）高保真的音色，频率响应宽广、极低的失真，可以让您随时随地放心地使用。

### ■ 产品特性

- 使用VHF-H频段，避免干扰频率
- 采用多级窄带高频及中频选频滤波，充分消除干扰信号
- 采用特别ALC电路不用担心音量过大而失真
- 采用石英振荡电路，具有极高的频率稳定性能
- 采用音频压缩-扩展技术，提高了动态范围和信噪比
- 设有声反馈防啸叫功能，能有效减小声反馈啸叫
- 采用低电压设计，电池电压低到4V，腰挂2V仍可工作
- 发射机具有低电指示电路，提示更换电池
- 特设发射机关噪声冲击波消除电路
- 具有独立的输出和混合输出，可接调音台和卡拉OK放大器
- 发射机设计合理，坚固耐用

### ■ 麦克风操作使用方法

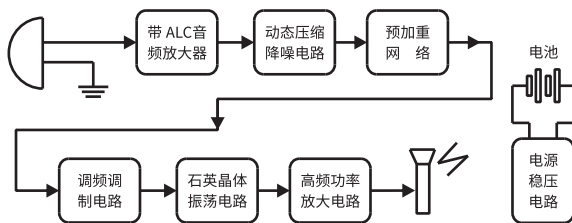
#### TS-6310

1. 按逆时针方向旋开发射器尾管，装入9V层叠电池（注意电池极性不能反），然后顺时针旋紧尾管。
2. 将电源开关推至“ON”，如电源指示灯不亮，应检查电池电压是否不足或电池极性是否接反。
3. 将电源开关推至中间档时，将关闭拾音功能，抑制噪音通过接收机。
4. 若长期不使用，请将麦克风内电池取出，以免电池漏液而损坏麦克风。

#### TS-6310A

1. 领夹发射器：按发射器上所标示“OPEN”字样处，打开电池盖，然后装入电池注意电池的正负极不能接反。
2. 将电源开关推至“ON”，如电源指示灯不亮，应检查电池电压是否不足或电池极性是否接反。
3. 将电源开关推至中间档时，将关闭拾音功能，抑制噪音通过接收机。
4. 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。

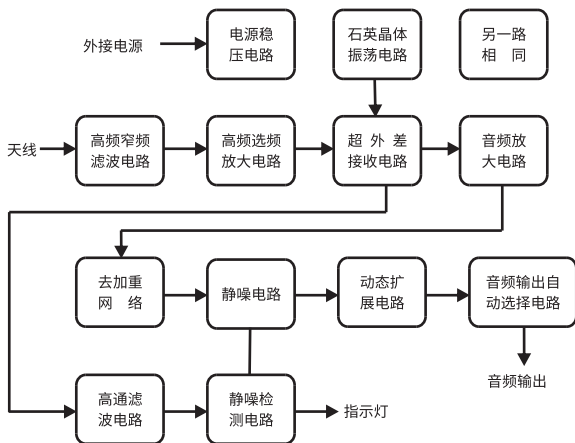
### ■ 麦克风工作原理



## ■ 接收机的操作

1. 将电源适配器插头插入供电插座，注意电压是否是交流220V~50-60Hz。
2. 打开电源开关，电源指示灯亮。
3. 拉出天线A和B，使之与机体成90度角。
4. 音频输出的连接：本接收机音频输出采用自动选择输出电路，如果需要混合输出，则只要用一条音频输出线与任何一个输出插座连接即可，如果需要独立输出，则需再连上另一音频输出线即可。
5. 当手持麦克风或领夹发射器开机后，接收机“RF”信号灯亮，接收机输出音量大小，可由音量控制旋钮调整。
6. 若长期不使用请拔出电源转换器。

## ■ 接收机工作原理



### ■ 注意事项

为避免电击、过高温度、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，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耳朵听力损伤；
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. 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，使用中避免靠近裸露火源、碰到液体物质、雨淋、产品进水、过度碰撞、抛掷、振动本机及覆盖通风孔，以免损坏其功能；
6. 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；
7. 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本机，以免导致意外事故；
8. 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；
9. 只能使用本机附送或同规格的电源适配器。若产品无附送电源适配器时，可在5000米以下高度及热带和寒冷气候条件下正常使用；若产品有附送电源适配器时，适用海拔及气候条件由适配器决定，使用前请阅读并理解适配器上的图标含义。示例如下：



仅适用于海拔2000  
米以下地区使用



仅适用于非热带  
气候条件下使用

### ■ 简单故障处理

现象	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	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	麦克风电池已经用完，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（至少相隔100米）。

若发生故障或本说明书未提及的问题，切勿自行拆开修理，请及时与经销商或本公司联系，我们将竭诚为您服务！

### ■ 技术参数

#### TS-6310

静音控制：锁杂讯

频偏：±18KHz

频率响应：80Hz-12.5KHz

频率稳定度：±0.005%

信噪比：>80dB

失真度：≤0.5% (1KHz)

频道数：两通道

接收灵敏度：-80dBm

使用距离：空旷地带50米

接收机供电：DC 12V  300mA

发射器供电：9V电池

发射功率：≤10mW

载波频段：VHF-H

输出方式：独立及混合自动输出

### ■ 标准配置

接收机	1台
手持麦克风	2支
电源转换器	1个
音频过机线	1条
9V层叠电池	2个
用户手册	1本

## ■ 技术参数

### TS-6310A

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：两通道

接收灵敏度：-80dBm

使用距离：空旷地带35米

接收机供电：DC 12V≈300mA

调制方式：FM

发射功率：≤10mW

发射器供：AA1.5V X 2

电池使用时间：大于10小时

载波频段：VHF-H

输出方式：独立及混合自动输出

## 标准配置

接收机 .....	1台
音频过机线 .....	1条
交流转换器 .....	1个
用户手册 .....	1本
腰挂发射器 .....	2个
领夹麦克风 .....	2支
头戴麦克风 .....	1支
1.5V电池 .....	4个



产品中有毒有害物质或元素名称及含量标识表

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。

### **■ Foreword**

Dear Customer,

Thank you for purchasing TAKSTAR TS-6310 VHF Wireless Microphone System. 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.

### **■ Introduction**

For many reasons, low frequency among others, traditional wireless microphone systems can be easily interfered, especially by such equipment as CD, VCD and LD. To solve this problem, Takstar designed the professional TS series wireless microphones, which adopt a series of measures to improve its functions, advance frequency using multilevel high frequency and mid frequency narrowband filter, multiple noise detect and control. They feature also the special functions of avoiding interference from the outside.

This wireless microphone system is suitable for any public speeches and Karaoke performance. It features long distance (50-100m), high fidelity tone quality and wide frequency response range (80Hz-15KHz) with low distortions, which will assure you a pleasant using anywhere at any moment.

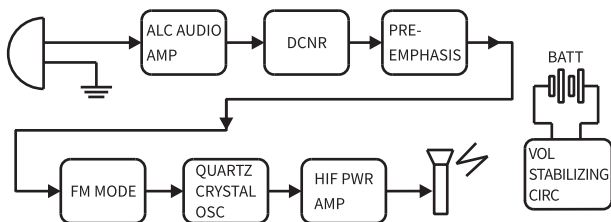
### **■ Features**

- VHF-H frequency band for interference-free reception
- Multilevel high frequency and mid frequency narrowband filter for fully eliminating signal disturbing
- Low power consumption design
- Unique ALC circuitry for avoiding distortion from high volume
- Low voltage indication available on handheld microphone transmitter
- Circuit controlled switching noise avoidance
- Quartz crystal oscillator circuitry for extremely stable frequency
- Audio companding technique for reducing the noise and increasing the dynamic range
- Effective feedback control circuitry
- Independent unbalanced and mixed outputs
- Rugged and durable handheld microphone design

### ■ Microphone Operational Instructions

1. Handheld Microphone: Rotate the battery cover anti-clockwise, and put a 9V battery into the battery compartment with proper polarities, then rotate the battery cover clockwise till it is tight enough. Belt-pack Transmitter: Open the battery cover by pressing the “OPEN” sign, then put in the batteries. (Caution: the battery must be in Correct Polarities.)
2. Push the microphone power switch to the “ON” position. If the power indicator doesn't light, please check if the battery is full enough or the battery polarities are correct.
3. If the mute function is needed, please push the switch to the middle position, then the microphone will be in mute state and the unit is still working.
4. Plug the tie-clip or headset microphone into the “MIC” socket of the belt pack transmitter.
5. When not using the microphone for a long time, please take out the batteries from the microphone base in order to avoid damaging the unit By chemical leakage from the battery.

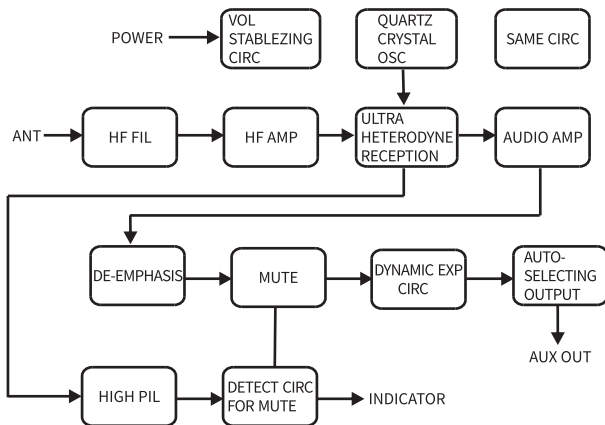
### ■ Working Principle of Microphone



### ■ Receiver

1. Plug the connector of the power adaptor into the socket of power Source, please make sure the power voltage is AC 220V~50-60Hz.
2. Turn on the power switch, the power indicator lights.
3. Pull out the antenna A & B and make them perpendicular to the unit.
4. 2 - Audio Output Connection (auto-selecting): If the mix output is needed, only use 1 audio output cable and connect it with any output socket. If independent output is required, please connect another cable.
5. The “RF” indicator of receiver will light when turning on the transmitter. Please swivel the volume knob to adjust the sound.
6. When not using the receiver for a long time, please disconnect it from the power adaptor.

### ■ Working Principle of Receiver



### ■ CAUTION

To avoid personal injury or property loss caused by electric shock, over temperature, fire, radiation, explosion, mechanical risk and improper use, please read carefully and abide by the following items 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 with broken insulation material is forbidden. Please do not charge the non-rechargeable battery.
4. Put the waste battery into classified dustbin rather than used as toy by children or discarded directly to avoid potential danger or affecting the environment.
5. The product and accessories should be put in dry and ventilated place rather than humid or dusty environment. Prevent the product from fire, liquid, rain, water, over-colliding, throwing, vibrating, vent hole covered to avoid function damage.
6. When the product needs to be installed on wall or ceiling, please fix it tightly to avoid dropping risk.
7. Please abide by safety rules during operation. Do not use the product in the place prohibited by regulation or law to avoid accident.
8. Do not disassemble or repair the product by yourself to avoid personal injury. If you have question or need service, please contact the local dealer.
9. Only use the supplied power adaptor or equivalent. If the product is supplied without power adaptor, it can be used normally under the altitude below 5000m and tropical or cold climate condition; if the product is supplied with power adaptor, the applicable altitude and climate condition of the product is subject to the power adaptor, below are the examples of the meaning of the power adaptor icons:



Applicable to the altitude below 2000m only



Applicable to the non-tropical climate condition only

**■ Troubleshooting**

Phenomena	Cause
The receiver is returned on, but the indicator does not light.	Check if the adaptor is well connected, and if the socket is broken.
The “RF” indicator lights while speaking, but no output signal is available.	Check if the power switch is in the middle position, or the volume control is on the minimum position.
When the using distance gets shorter, the signal becomes unstable.	<ol style="list-style-type: none"><li>1. Put out the antenna.</li><li>2. Check if the batteries are running off and replace them with the fresh ones if needed.</li><li>3. Check if the receiver is put in inappropriate position, i.e. on the ground or at the corner of the wall or in a strong electromagnetic filed, please change its position.</li></ol>
Sound quality gets worse.	<ol style="list-style-type: none"><li>1. The battery of the microphone is running off, please replace it with fresh one.</li><li>2. Check if there is same frequency signal problem, do not use two units with same frequency at the same time in the same area. (The distance must be at least 100m between two units with same frequency.)</li></ol>

Remarks: If there are any other troubles or problems observed, please do not open and repair it by yourselves. Please, first contact our distributors or directly come back to us. We will try our best to provide you with professional and efficient service.

## ■ Specification

### TS-6310

Mute Control: Noise Lock

Frequency Deviation:  $\pm 18\text{KHz}$

Frequency Response: 80Hz-12.5KHz

Frequency Stability:  $\pm 0.005\%$

S/N Ratio:  $> 80\text{dB}$

Total Harmonic Distortion:  $\leq 0.5\%$  (at 1KHz)

Number of Channels: 2 Channels

Receiving Sensitivity:  $-80\text{dBm}$

Operating Range: 50m in Open Area

Receiver Power Supply: DC 12V  $\approx 300\text{mA}$

Transmitter Power Supply: 9V Battery

Transmit Power:  $\leq 10\text{mW}$

Carrier Frequency Band: VHF-H

Output Type: Separate and Mixed Output (auto-selecting)

## ■ Delivery Includes

Receiver.....1 pc

Handheld Microphone.....2 pcs

Power Adaptor.....1 pc

Audio Output Cable.....1 pc

9V batteries.....2 pcs

User' s Manua.....1 pc

## ■ Specification

### TS-6310A

Mute Control: Noise Lock

Frequency Deviation:  $\pm 18\text{KHz}$

Frequency Response: 80Hz-15KHz

Frequency Steadiness:  $\pm 0.005\%$

S/N Ratio:  $> 70\text{dB}$

Total Harmonic Distortion:  $< 0.5\%$  (at 1KHz)

Number of Channels: 2 Channels

Receiving Sensitivity:  $-80\text{dBm}$

Operating Range: 35m in Open Area

Receiver Power Supply: DC 12V  300mA

Modulation Mode: FM

Transmit Power:  $\leq 10\text{mW}$

Transmitter power supply: AA1.5V X 2

Battery Life : More than 10 hours

Carrier Frequency Band: VHF-H

Output Type: Separate and Mixed Output (auto-selecting)

## ■ Delivery Includes

Receiver.....	1 pc
Audio Output Cable.....	1 pc
Power Adaptor.....	1 pc
User' s Manual .....	1 pc
Belt-Pack Transmitter.....	2 pcs
Tie-clip Microphone.....	2 pcs
Headworn Microphone.....	1 pcs
1.5V batteries.....	4 pcs



## 产品服务保证书

姓名: \_\_\_\_\_ 电话: \_\_\_\_\_ 地址: \_\_\_\_\_

商品: \_\_\_\_\_ 型号: \_\_\_\_\_ 购买日期: \_\_\_\_\_ 年 \_\_\_\_\_ 月 \_\_\_\_\_ 日

### 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)。

### 维修记录栏(由维修员填写)

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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