

# TAKSTAR® 得胜



## TC-4R系列 升级款 NEW | 无线麦克风 Wireless Microphone

使用手册 | User Manual

# TC-4R 系列升级款 无线麦克风

## ■ 前言

尊敬的用户：

感谢您选购得胜TC-4R系列升级款无线麦克风，为了您能够更好地了解使用本产品，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

- 采用UHF高性能集成电路设计，有效改善接收死角，提高接收稳定度；
- 特设频道ID码识别功能，有效防止外界或频道之间串扰出现噪声；
- 在空旷无遮挡环境下，无线使用距离约达80米；
- LCD直观显示当前工作信息，人机对话一目了然；
- 独立的平衡(XLR)及非平衡(6.35插座)的混合输出，方便设备连接；
- 精选抗干扰频点组合，支持多套叠机使用，发射器互不干扰。

## ■ 适用范围

适用学校教室、会议、家庭娱乐、户外演出等场合

## ■ 产品配置

### TC-4R 主机标准配置

接收主机 .....	1台
电源适配器 .....	1个
音频输出线 .....	1条
说明书 .....	1份

### TC-TD配置(选配)

手持话筒 .....	1只
AA1.5V电池 .....	1对
防滑圈 .....	1个

### TC-TH配置(选配)

会议底座 .....	1个
鹅颈咪杆 .....	1只
AA1.5V电池 .....	1对
防风棉 .....	1个

# TC-4R 系列升级款 无线麦克风

## ■ 技术参数

### 接收机

- 频率范围:500-690MHz(分段设计)
- 失真度:<0.5%
- 信噪比:80dB
- 频率稳定度:±10ppm
- 频率响应:50Hz-18kHz
- 灵敏度:10dBuV
- 接收距离:约80米(无遮挡)
- 邻道抑制:65dB
- 功能显示方式:LCD
- 镜像频率抑制:75dB
- 电源供应:DC =12V
- 音频输出:200mV
- 输出阻抗:XLR接头:200Ω ;1/4接头:1KΩ
- 尺寸:482\*180\*44mm
- 重量:约650g

### 手持话筒

- 频率范围:500-690MHz(分段设计)
- 频率响应:50Hz-18kHz
- 调制方式:FM
- 频率稳定度:±10ppm
- 最大调制度:75K
- 发射功率:10mW
- 工作电压:3V
- 发射距离:约80米(无遮挡)
- 工作电流:180mA
- 谐波抑制:65dB以上
- 功能显示方式:LCD
- 工作时长:约8小时(碱性电池)

注:以上数据由得胜实验室测试得到,并拥有最终解释权!

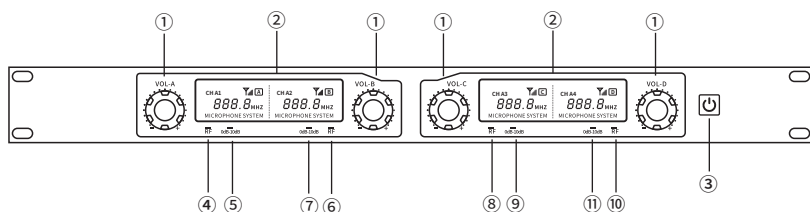
### 鹅颈会议座

- 频率范围:500-690MHz(分段设计)
- 频率响应:60Hz-18kHz
- 调制方式:FM
- 频率稳定度:±10ppm
- 最大调制度:75K
- 发射功率:10mW
- 工作电压:3V
- 发射距离:约80米(无遮挡)
- 工作电流:180mA
- 谐波抑制:65dB以上
- 功能显示方式:LCD
- 工作时长:约8小时(碱性电池)

# TC-4R 系列升级款 无线麦克风

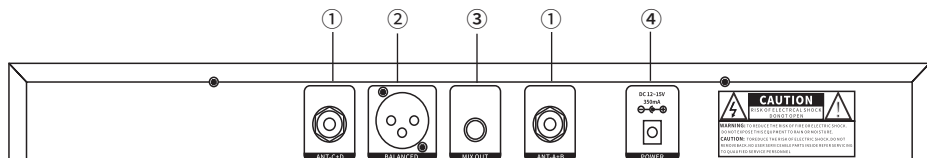
## ■ 功能示意

### 接收机前面板



- ① 音量调节旋钮:用于调整对应通道音量大小;顺时针旋转增大音量;反之减小音量。
- ② 屏幕显示:显示通道当前工作频率。
- ③ 电源开关:控制机内电源供应,长按开关接通电源,显示屏与电源开关亮起,再次长按后关闭电源。
- ④ A通道RF指示:当RF指示亮起,表示A通道正在接收有效的射频信号。
- ⑤ A通道音量电平指示:显示A通道声音信号状态。
- ⑥ B通道RF指示:当RF指示亮起,表示B通道正在接收有效的射频信号。
- ⑦ B通道音量电平指示:显示B通道声音信号状态。
- ⑧ C通道RF指示:当RF指示亮起,表示C通道正在接收有效的射频信号。
- ⑨ C通道音量电平指示:显示C通道声音信号状态。
- ⑩ D通道RF指示:当RF指示亮起,表示D通道正在接收有效的射频信号。
- ⑪ D通道音量电平指示:显示D通道声音信号状态。

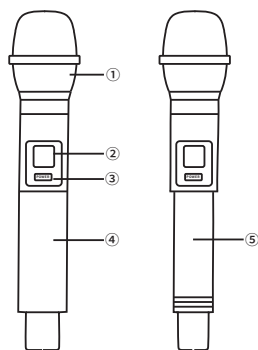
### 接收机背面板



- ① 天线:A/B、C/D通道天线接口。
- ② 平衡式音频混合输出:采用“XLR”型插座,将四路音频信号混合成一路输出。
- ③ 非平衡混合音频输出:将四路的音频信号混合成一路输出。
- ④ 电源插座:连接DC12V电源至输入插座。

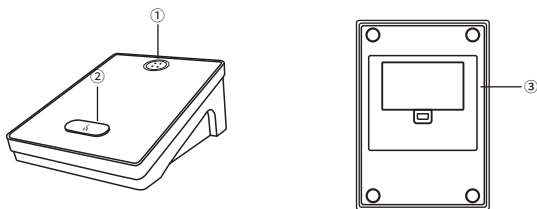
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## 手持发射器



- ① 网头及音头模组：网头用以保护将声音转换成电信号的音头模组，并能防止麦克风放置在台面时滚动。
- ② 显示屏：显示当前工作频率信息，低电量时屏幕关闭，需更换电池。
- ③ 电源键：点开开启麦克风电源，长按关闭麦克风电源。
- ④ 麦克风管体：管端装配网头、音头模组、管体内装电池、发射电路板、尾部内置发射天线。
- ⑤ 电池仓：将两节AA电池按照正负极正确方向装入电池仓。

## 会议底座



- ① 4插针话筒输入插座：用于安装或更换麦克风咪杆。
- ② 电源开关/静音开关：长按开启或关闭电源。开机状态下，点按该按键开启/关闭静音模式，低电量时，电源开关红灯闪烁，需更换电池。
- ③ 电池仓：用于安装5号电池。（注意电池放置极性）

# TC-4R 系列升级款 无线麦克风

## ■ 使用说明

1. 接通电源, 打开接收机的电源开关。
2. 点按手持发射器电源键开机, 对应通道RF指示亮起; 对着麦克风说话, 接收机的音量电平指示随麦克风音量大小对应点亮, 表示系统已正常工作。
3. 如接收机RF指示未亮起或音量电平无反应, 请检查手持发射器的电池电量, 以及两者间的距离是否在有效使用范围内。
4. 工作频率表 (共两组频点)

第一组频组		第二组频组	
序号	频率	序号	频率
A1	509.2MHz	B1	513.2MHz
A2	562.0MHz	B2	566.0MHz
A3	535.5MHz	B3	539.5MHz
A4	587.3MHz	B4	591.3MHz

## ■ 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)	邻苯二甲酸二正丁酯 (DBP)	邻苯二甲酸二异丁酯 (DIBP)	邻苯二甲酸丁基苯酯 (BBP)	邻苯二甲酸二(2-乙基)己酯 (DEHP)
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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## ■ 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设备与本产品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;
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,然后将产品送售后服务网点检修;
3. 消费者若使用电源适配器供电,则应购买配套使用获得CCC认证并满足标准要求的电源适配器;
4. 本产品及配件都应放置在室内干燥通风处,请勿长期存放在潮湿、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,以免损坏其功能;
5. 若产品需要固定于墙壁或天花板时,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;
6. 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产品,以免导致意外事故;
7. 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售后服务网点跟进处理。

## ■ 关于图标含义解释



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 and 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有效利用。如需了解更多有关您可以在何处放置废物回收设备的信息,请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。

## ■ 关于本说明书

本说明书中内容符合截止印刷之日的技术规格。由于得胜公司会不断改进产品,本说明书可能不符合您的特定产品的技术规格。要获取最新款说明书,请访问得胜官网,然后下载说明书文件。技术规格、设备或另售的附件在各个地区可能有所不同,如有问题请与当地得胜销售网点确认。如需更多支持和深层产品信息,请浏览得胜官方网站:<https://www.takstar.com>

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# TC-4R Upgraded Series Wireless Microphone

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## ■ Preface

Dear Customer,

Thank you for purchasing Takstar TC-4R Upgraded Series Wireless Microphone. To better understand and use the product, please read this manual thoroughly.

If you have any questions or suggestions, please contact our local dealer.

## ■ Features

- Utilizes UHF high-performance integrated circuit design to effectively reduce reception blind spots and improve reception stability.
- Features unique channel ID code identification to effectively prevent crosstalk and noise from external sources or between channels.
- Wireless operation range of approximately 80 meters in an open, unobstructed environment.
- LCD clearly displays current operating information for user interaction at a glance.
- Independent balanced (XLR) and unbalanced (6.35 mm jack) mixed outputs for flexible device connectivity.
- Equipped with selected anti-interference frequency combinations, supports multi-unit stacking for simultaneous use without transmitter interference.

## ■ Applications

Suitable for school classrooms, conferences, home entertainment, outdoor performances and other occasions.

## ■ Package Contents

### TC-4R Main Unit Standard Configuration

- 1 × Receiver Main Unit
- 1 × Power Adapter
- 1 × Audio Output Cable
- 1 × User Manual

### TC-TD Configuration (Optional)

- 1 × Handheld Microphone
- 2 × AA 1.5V Batteries
- 1 × Anti-Slip Ring

### TC-TH Configuration (Optional)

- 1 × Conference Base
- 1 × Gooseneck Microphone
- 2 × AA 1.5V Batteries
- 1 × Windscreen

# TC-4R Upgraded Series Wireless Microphone

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## ■ Specifications

### Receiver

- Frequency Range: 500-690 MHz (Sectional Design)
- Distortion: <0.5%
- Signal-to-Noise Ratio: >80dB
- Frequency Stability:  $\pm 10$  ppm
- Frequency Response: 50 Hz - 18 kHz
- Sensitivity: 10 dBuV
- Operating Range: Approx. 80m (unobstructed)
- Adjacent Channel Rejection: 65 dB
- Display: LCD
- Image Rejection: 75 dB
- Power Supply: DC = 12V
- Audio Output: 200 mV
- Output Impedance: XLR connector: 200 $\Omega$ ; 1/4 connector: 1k $\Omega$
- Dimensions: 482\*180\*44mm
- Weight: Approx. 650g

### Handheld Microphone

- Frequency Range: 500-690 MHz (Sectional Design)
- Frequency Response: 50Hz-18kHz
- Modulation: FM
- Frequency Stability:  $\pm 10$ ppm
- Maximum Deviation: 75K
- RF Output Power: 10mW
- Operating Voltage: 3V
- Operating Range: Approx. 80m (unobstructed)
- Operating Current: 180mA
- Harmonic Suppression: >65dB
- Display: LCD
- Operating Time: Approx. 8 hours (Alkaline battery)

# TC-4R Upgraded Series Wireless Microphone

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## Gooseneck Conference Base

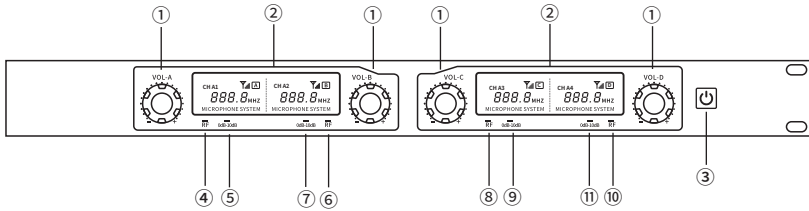
- Frequency Range: 500-690MHz (Sectional Design)
- Frequency Response: 60Hz-18kHz
- Modulation: FM
- Frequency Stability:  $\pm 10$ ppm
- Maximum Deviation: 75K
- RF Output Power: 10mW
- Operating Voltage: 3V
- Operating Range: Approx. 80m (unobstructed)
- Operating Current: 180mA
- Harmonic Suppression: >65dB
- Display: LCD
- Operating Time: Approx. 8 hours (Alkaline battery)

Note: The above data are measured by Takstar laboratory which has the final interpretation right!

# TC-4R Upgraded Series Wireless Microphone

## ■ Function Descriptions

### Receiver Front Panel



① Volume Control Knob: Adjust the corresponding channel volume; clockwise to increase, counterclockwise to decrease.

② Screen Display: Show the current operating frequency of channels.

③ Power Switch: Control internal power; press and hold to turn on (display and switch illuminate), press and hold again to turn off.

④ Channel A RF Indicator: Illuminate when receiving valid RF signal.

⑤ Channel A Volume Level Indicator: Show the audio signal status of Channel A.

⑥ Channel B RF Indicator: Illuminate when receiving valid RF signal.

⑦ Channel B Volume Level Indicator: Show the audio signal status of Channel B.

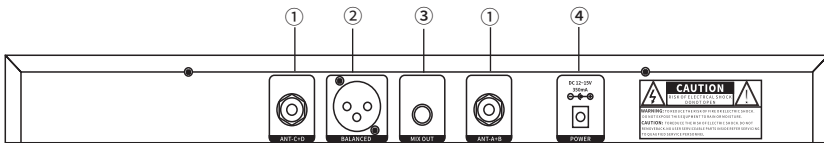
⑧ Channel C RF Indicator: Illuminate when receiving valid RF signal.

⑨ Channel C Volume Level Indicator: Show the audio signal status of Channel C.

⑩ Channel D RF Indicator: Illuminate when receiving valid RF signal.

⑪ Channel D Volume Level Indicator: Show the audio signal status of Channel D.

### Receiver Rear Panel



① Antenna: A/B and C/D channel antenna connectors.

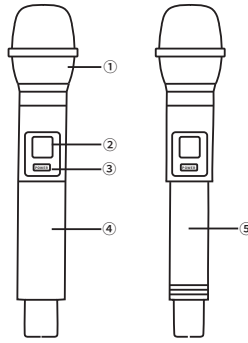
② Balanced Audio Mixed Output: XLR connector, mixes 4-channel audio to single output.

③ Unbalanced Audio Mixed Output: Mixes 4-channel audio to single output.

④ Power Socket: Connect to DC 12V power supply.

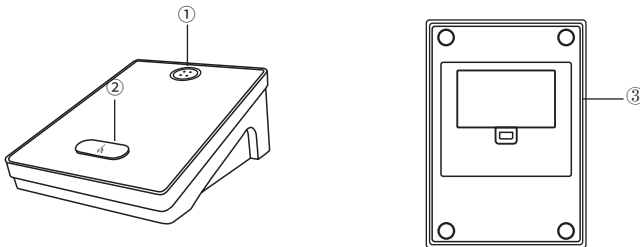
# TC-4R Upgraded Series Wireless Microphone

## Handheld Transmitter



- ① Grille & Capsule Module: The grille protects the capsule module (which converts sound into electrical signals) and prevents the microphone from rolling when placed on a flat surface.
- ② Display Screen: Shows current operating frequency information. Screen turns off at low battery. Please replace the battery.
- ③ Power Button: Short press to turn on, long press to turn off.
- ④ Microphone Body: Grille & capsule module on top; houses batteries, transmitter circuit board inside; built-in transmit antenna at tail.
- ⑤ Battery Compartment: Insert two AA batteries with correct polarities.

## Conference Base



- ① 4-Pin Mic Input Socket: For installing or replacing mic boom.
- ② Power/Mute Switch: Long press to power on/off; short press to toggle mute on/off when powered on. Red LED on power switch blinks at low battery. Please replace the battery.
- ③ Battery Compartment: For AA battery installation (Note correct polarity).

# TC-4R Upgraded Series Wireless Microphone

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## ■ Operating Instructions

1. Connect the power supply and turn on the receiver's power switch.
2. Short press the handheld transmitter's power button to power on, the corresponding channel RF indicator illuminates; speak into the mic, the receiver's volume level indicator lights up with audio input, indicating the system is operating normally.
3. If the receiver's RF indicator fails to illuminate or the volume level has no response, check the battery level of the handheld transmitter and ensure the distance between the two devices is within the effective working range.
4. Operating Frequency Table (2 Frequency Groups in Total)

Group 1		Group 2	
No.	Frequency	No.	Frequency
A1	509.2MHz	B1	513.2MHz
A2	562.0MHz	B2	566.0MHz
A3	535.5MHz	B3	539.5MHz
A4	587.3MHz	B4	591.3MHz

## ■ Safety Instructions

To avoid electric shock, overheat, fire, radiation, explosion, mechanical risk and injury or property loss due to improper use, please read and observe the following items before use:

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 extended time to avoid product malfunction.
2. If there is any abnormality during use (e.g., smoke, strange odor), please kill the power switch and unplug from power source, then send the product to the local after-sales service for repair.
3. Power adapter used, if any, should be approved by CCC certification or similar standards and comply with the power supply requirements.

# TC-4R Upgraded Series Wireless Microphone

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4. Keep this product and its accessories in a dry and ventilated area. Do not store in a humid or dusty area for extended time. Keep away from fire, rain, liquid intrusion, bumping, throwing, vibrating, or from blocking any ventilation openings, to prevent malfunction.
5. The product must, when installed on walls or ceilings, be fixed firmly in place at adequate strength to prevent from falling.
6. Please abide by safety rules during operation. Do not use the product in places prohibited by laws or regulations to avoid accident.
7. Do not disassemble or repair the product unauthorized to avoid injury. If you have any questions or require any services, please contact our local after-sales service.

## ■ Label Meanings



This symbol indicates that this product should not be disposed of with your household waste, according to the WEEE directive (2012/19/EU) and your national law. This product should be handed over to an authorized collection site for recycling waste electrical and electronic equipment (WEEE). Improper handling of this type of waste could have a possible negative impact on the environment and human health due to potentially hazardous substances that are generally associated with WEEE. At the same time, your cooperation in the correct disposal of this product will contribute to the effective usage of natural resources. For more information about where you can drop off your waste equipment for recycling, please contact your local city office, waste authority, or your household waste disposal service.

## ■ About This Manual

This manual contains up-to-date technical specifications as of printing. However, specifications contained herein may not conform to your particular product since Takstar is constantly improving its products. Also, specifications, devices or accessories available may vary from region to region. If you have any questions, please contact our local sales outlet. For the latest version/more information, please visit our website: <https://www.takstar.com/>

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### 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)。

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