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**广东省电声工程技术研究开发中心
广东得胜电子有限公司制造**

地址：广东省惠州市博罗县龙溪街道富康一路2号

Designed & Manufactured by:

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

得胜科声系列中国总代理

**惠州音平电声科技股份有限公司
HUZHOU INGPING ELECTROSONIC CO., LTD**

地址：惠州市惠城区江北26号小区盛丰商务大厦1111
电话：+86 752 2072638 传真：+86 752 7213017
邮箱：ingping@ingping.com
网址：www.ingping.com

TAKSTAR® 得胜



— 气质 —
**与声
俱来**



PC-K850

专业录音麦克风
Professional Recording Microphone

■ 前言

尊敬的用户：

感谢您选购得胜PC-K850专业录音麦克风，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。



■ 产品特性

- Φ 34mm镀金大振膜音头，频响宽、动态大、音质清晰自然；
- 采用低底噪的音频处理电路，满足高要求的录音需要；
- 高灵敏度设计，捕捉丰富的声音细节，声音表现更到位；
- 优越的声压级表现，有效的防止过载失真；
- 配置专用金属防震架，具有出色的隔震性能；
- 配置专用防风网，有效消除人声“pop”和气流等杂音干扰；
- 配置手提铝合金箱，方便用户携带和存放。

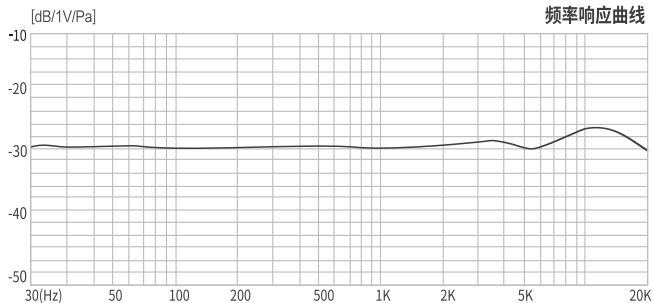
■ 使用范围

- 网络K歌、直播、录音棚、广播电视台、个人录音、乐器录音等场合

■ 标准配置

- 麦克风 一支
- 防震架 一个
- 防风网 一个
- 铝合金箱 一个
- 说明书 一份

■ 技术参数



音头： Φ 34mm镀金大振膜音头

指向性：单指向

频率响应：30Hz-20kHz

灵敏度： $-30\text{dB} \pm 3\text{dB}$ ($0\text{dB}=1\text{V/Pa}$ at 1kHz)

等效噪声级： $\leq 20\text{dBA}$ (IEC 581-5)

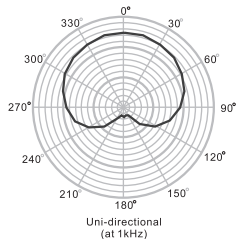
峰值声压级： 130dB ($\text{THD} \leq 0.5\%$ at 1kHz)

输出阻抗： $200\Omega \pm 30\%$ (at 1kHz)

工作电压：48V幻象电源

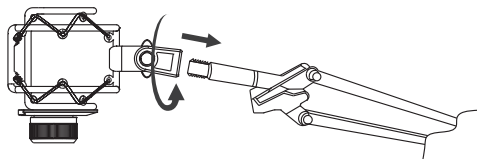
单体尺寸： $\Phi 52\text{mm} * 187\text{mm}$


单体重量：约420g

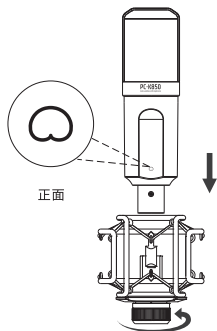


■ 安装使用

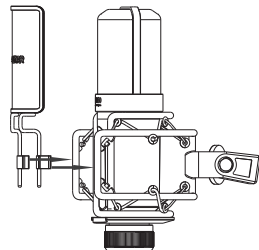
1. 将防震架安装到麦克风支架或吊杆上，并旋紧防震架上的固定螺母。建议防震架安装固定好后正面朝上，底部螺母朝下，以防麦克风夹不紧时从防震架中脱落造成损坏；



2. 麦克风印有“PC-K850”产品型号和一个“”心型指向性标记的一面是正面，将麦克风的这一面对准声源，安置到防震架中，旋紧防震架底部的螺母到完全夹紧麦克风；



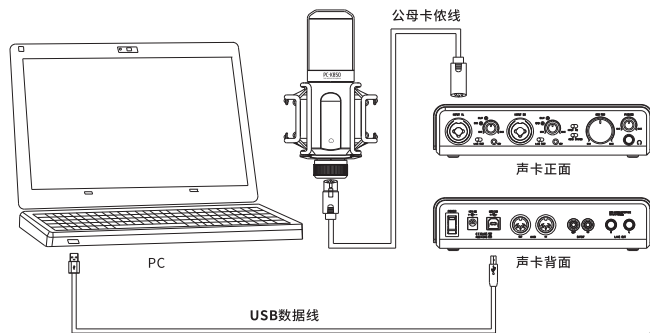
3. 通过防风网上的两个卡扣将防风网安装到防震架上，并调整好防风网高度；



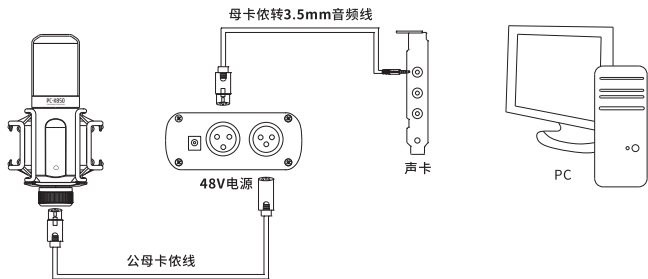
4. 将麦克风的接口通过公母卡侖线连接到具有48V幻象电源的音频设备（如声卡、调音台、功放等），如果设备本身没有幻象电源，则需要另购一个48V幻象电源进行连接；

注意：本产品要求的48V幻象电源规格： $DC \approx 48V \pm 4V/2.8mA \pm 20\%$

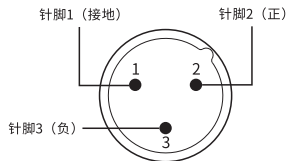
- ① 音频设备带48V的连接方法：



② 音频设备不带48V的连接方法：



5. 将连接线固定到麦克风支架或吊杆上，在麦克风位置预留一圈连接线，这种做法可实现有效的隔震效果；
6. 使用时，应先将设备音量调小，再打开幻象电源开关，并将音量从小到大慢慢调节至合适，以免声压过大对扬声器产生冲击；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，从而有效控制回馈啸叫；
7. 麦克风输出接口是三针XLRM接口，其极性如图所示：



■ 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. 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；
4. 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；
5. 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；
6. 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



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 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,应将本产品应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。要获取最新版说明书,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>

■ 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。



■ Foreword

Dear Customer,
Thank you for purchasing TAKSTAR PC-K850 Professional Recording 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

- Φ 34mm large gold plated diaphragm capsule, wide frequency response, wide dynamic, clear and natural sound quality
- Adopts low background noise audio processing circuit to meet the high demand of recording requirement
- High sensitivity design for rich sound details pickup and original sound reproduction
- Prominent SPL performance effectively prevents from overload distortion
- Provided with metal shock mount
- Professional windscreen effectively eliminates pop noise and wind noise
- Provided with aluminum carrying case for convenient transportation and storage

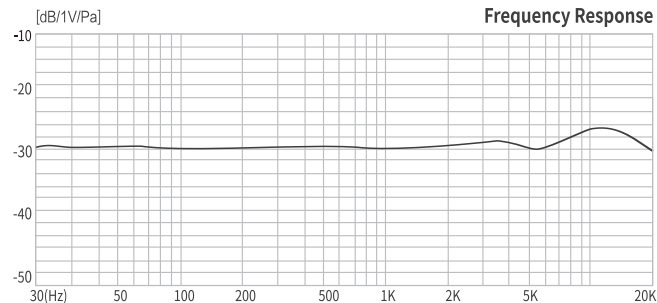
■ Application

- Online Karaoke, live broadcast, recording studio, broadcast TV station, personal recording, instrument recording

■ Product Content

microphone	1 pc
Shock mount	1 pc
Windscreen	1 pc
Aluminum carrying case	1 pc
User manual	1 pc

■ Specification



Capsule: Φ 34mm large gold plated diaphragm capsule

Polar Pattern: Uni-directional

Frequency Response: 30Hz-20kHz

Sensitivity: $-30\text{dB} \pm 3\text{dB}$ ($0\text{dB}=1\text{V/Pa}$ at 1kHz)

Equivalent Noise Level: $\leq 20\text{dBA}$ (IEC 581-5)

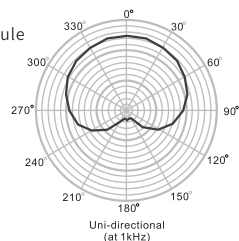
Peak SPL: 130dB (THD $\leq 0.5\%$ at 1kHz)

Output Impedance: $200\Omega \pm 30\%$ (at 1kHz)

Operating Voltage: 48V phantom power

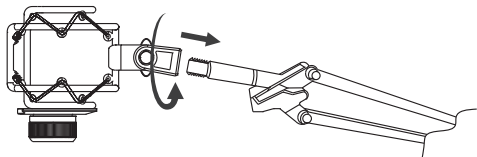
Unit Dimension: $\Phi 52\text{mm} * 187\text{mm}$

Net Weight: approx 420g

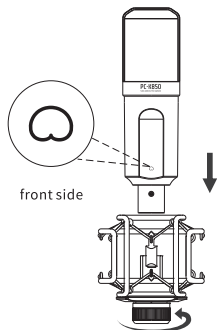


■ Installation

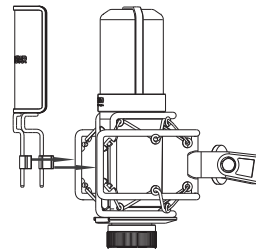
1. Assemble the shock mount onto the microphone stand or the microphone stand boom via tightening the fixing nut. It is recommended to keep the shock mount upward and the nut downward to prevent the microphone drops.



2. The microphone is silkscreened the model number PC-K850 and a "⊖" cardioid directivity mark, this side is the front side, facing this side to the audio source and install to the shock mount, then tighten the fixing nut to hold the microphone.



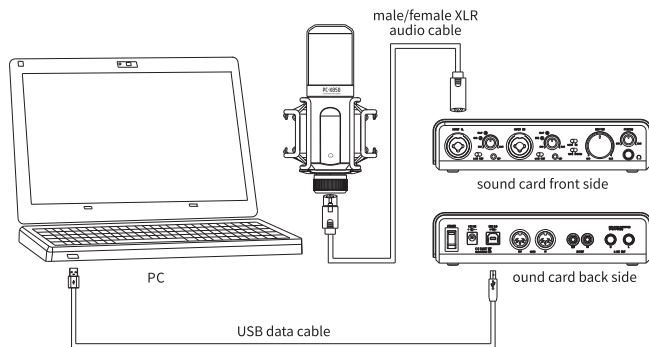
3. Via the two clips to assemble the windscreen onto the shock mount, and adjust the windscreen height.



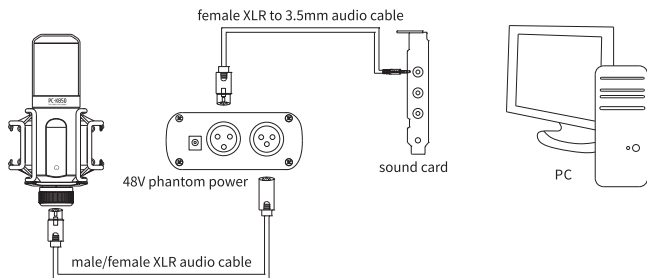
4. Via the male/female XLR cable to connect the microphone connector with microphone balanced input equipment (e.g. sound card, mixer, power amplifier, etc) which has 48V phantom power. If the equipment without phantom power, buy an additional 48V phantom power for connection.

Note: the 48V phantom power specification for this product: DC \approx 48V \pm 4V/2.8mA \pm 20%

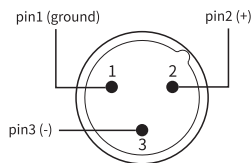
① The connecting way of audio equipment with 48V phantom power



② The connecting way of audio equipment without 48V phantom power



5. Fix the connection cable onto microphone stand or the stand boom, and leave a cable loop to effectively isolate the vibration.
6. Before operation, set the equipment volume control to minimum, then turn on the phantom power switch, increase the volume slowly to the proper volume to avoid too high sound pressure surges the speaker. Put the microphone away from the speaker as much as possible, and keep the capsule against the speaker to avoid feedback.
7. The microphone output connector is a 3 pin XLR male connector. Refer to the picture below:



■ 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. 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.
4. The product must, when installed on walls or ceilings, be fixed firmly in place at adequate strength to prevent from falling.
5. Please abide by safety rules during operation. Do not use the product in places prohibited by laws or regulations to avoid accident.
6. Do not disassemble or repair the product by yourself to avoid injury. If you have any questions or require any services, please contact our local after-sales service.

Label Meanings



This device is compliant with the limits of the European Council Directive on the approximation of the laws of the member states relating to electromagnetic compatibility according to RL2004/108/EG and European Low Voltage Directive RL2006/95/EG.



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/>

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

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)。

◆ 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福康一路2号