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广东得胜电子有限公司制造**

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得胜科声系列中国总代理

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**TAKSTAR® 得胜**



— 气质 —  
**与声  
俱来**



**PC-K850**

旁述式录音麦克风,  
Side-address Recording  
Microphone

GB/T 14198-2012  
9TCK850S1A

### 前言

尊敬的用户：

感谢您选购得胜PC-K850旁述式录音麦克风，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产品说明书。

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。



### 产品简介

PC-K850是一款镀金大振膜电容式麦克风。精密的电子电路设计使其拥有宽广的频率响应及动态范围，优越的声压级表现有效的防止过载失真，高灵敏度的设计能够捕捉更加丰富的声音细节，专为满足网络K歌、网络直播、个人录音等场合需要而设计。

### 产品特性

- ◆  $\Phi$ 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。

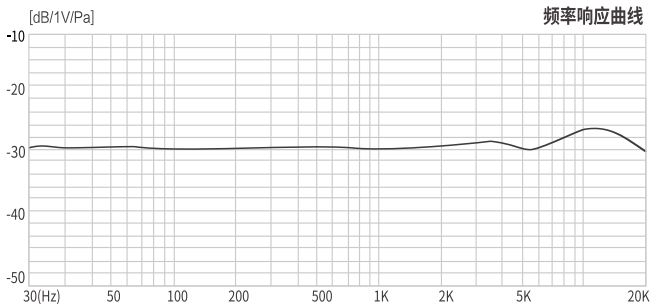
### 适用范围

- ◆ 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：Φ34mm镀金大振膜音头

指向性：单指向

频率响应：30Hz-20kHz

灵敏度：-30dB±3dB (0dB=1V/Pa at 1kHz)

等效噪声级：≤20dBA (IEC 581-5)

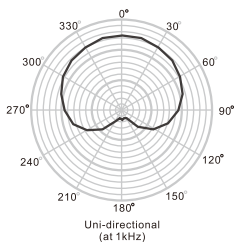
峰值声压级：130dB (THD≤0.5% at 1kHz)

输出阻抗：200Ω±30% (at 1kHz)

工作电压：48V幻象电源

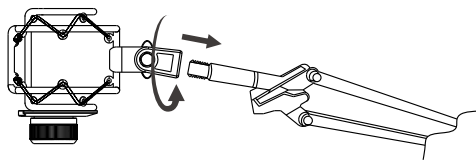
单体尺寸：Φ52mm\*187mm

单体重量：约420g

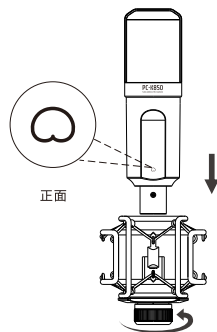


## 安装说明

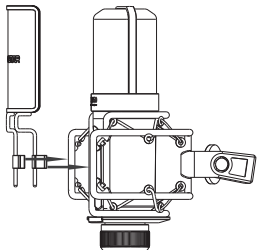
1. 将防震架安装到麦克风支架或吊杆上，并旋紧防震架上的固定螺母。  
建议防震架安装固定好后正面朝上，底部螺母朝下，以防麦克风夹不紧时从防震架中脱落造成损坏；



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；



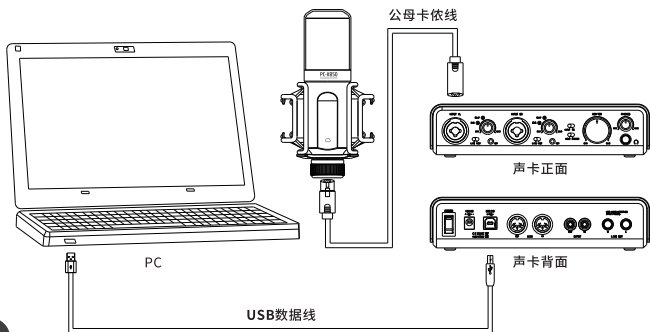
3. 通过防风网上的两个卡扣将防风网安装到防震架上，并调整好防风网高度；



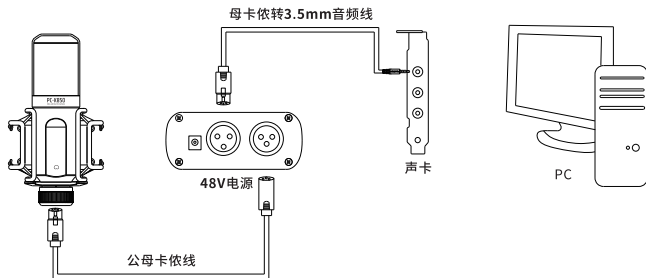
4. 将麦克风的接口通过公母卡侖线连接到具有48V幻象电源的音频设备（如声卡、调音台、功放等），如果设备本身没有幻象电源，则需要另购一个48V幻象电源进行连接；

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

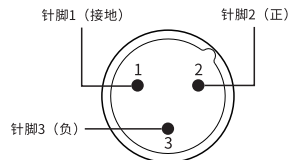
- ① 音频设备带48V的连接方法：



- 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：



## 注意事项

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. 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，以免损坏其功能；
4. 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；
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机，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经销商跟进处理；
7. 只能使用本产品要求规格的幻象电源，适用的海拔及气候条件由幻象电源决定，使用前请阅读并理解幻象电源上的图标含义。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

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，  
 且此标保使用期限只适用于产品正常工作的温度和湿度等条件。



### Preface

Dear Customer,

Thank you for purchasing **TAKSTAR** PC-K850 side address 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.



### Introduction

PC-K850 is a condenser microphone with large gold plated diaphragm. It features well designed circuit to offer wide frequency response and dynamic range, excellent SPL to effectively prevent from overload distortion, high sensitivity to catch up rich sound details, thus to meet the requirement of network Karaoke, online live broadcasting, personal recording.

### Features

- ◆  $\Phi 34$ mm 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

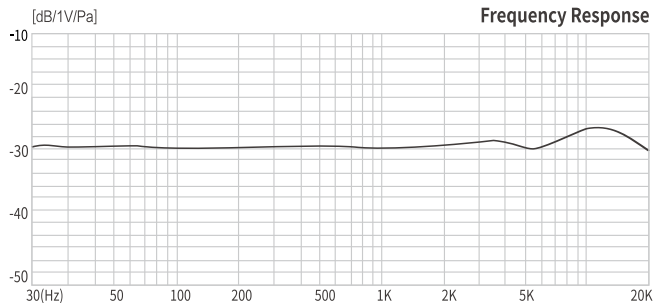
### Application

- ◆ 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:  $\Phi 34\text{mm}$  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)

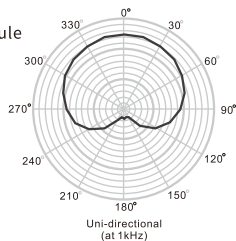
Peak SPL: 130dB (THD  $\leq 0.5\%$  at 1kHz)

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

Operating Voltage: 48V phantom power

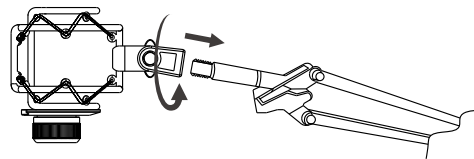
Unit Dimension:  $\Phi 52\text{mm} * 187\text{mm}$

Net Weight: approx 420g

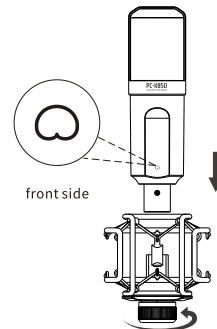


## Installation

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.

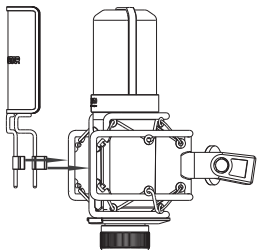


2. The microphone is silkscreened the model number PC-K850 and a "  $\infty$  " cardioid directivity mark, this side is the front side, facing this side to the audio source and install to the shock mount, then tighten the fixing nut to hold the microphone.



## PC-K850 Side-address Recording Microphone

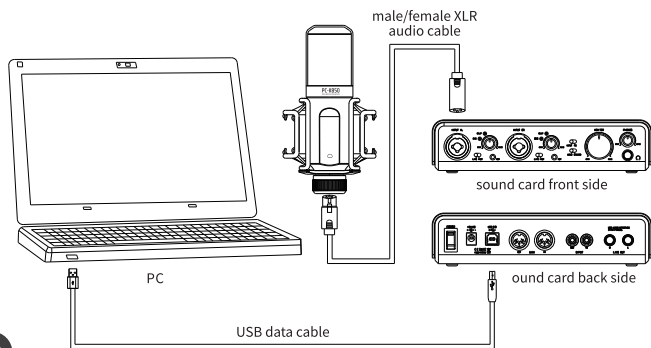
3. Via the two clips to assemble the windscreen onto the shock mount, and adjust the windscreen height.



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.

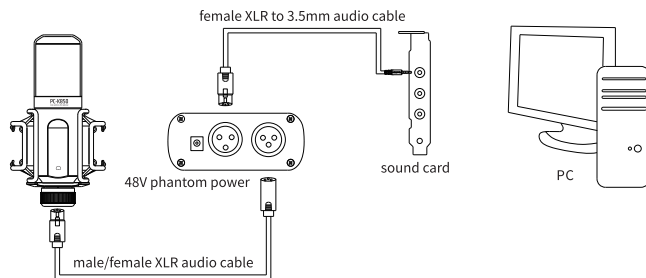
Note: the 48V phantom power specification for this product: DC  $\approx$  48V  $\pm$  4V/2.8mA  $\pm$  20%

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

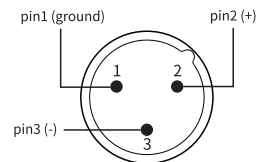


## PC-K850 Side-address Recording Microphone

- 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:





## Cautions

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

1. Adjust the volume to proper level during operation. Do not operate at high volume level to avoid hearing loss.
2. If abnormal phenomenon (smoke, abnormal smell) happens, please turn off the power switch and disconnect the power plug with power socket immediately, and send the product to local dealer for maintenance.
3. The product and accessories should be put in dry and ventilated place rather than humid or dusty environment. Prevent the product from fire, rain, water, over-colliding, throwing, vibrating, vent hole covered to avoid function destroyed.
4. When the product needs to be installed on wall or ceiling, please fix it tightly to avoid dropping risk.
5. Please abide by safety rules during operation. Do not use the product in the place prohibited by regulation or law to avoid accident.
6. Do not disassemble or repair the product by yourself to avoid hurt. If you have question or need service, please contact the local dealer.
7. Only use the phantom power right for this product. The applicable altitude and climate conditions of this product is subject to the phantom power. The meaning of the icons on phantom power is as below:



Applicable to the altitude below 2000m only



Applicable to the non-tropical climate conditions only

## 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, 恕不保修或更换。
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)。

## Notes

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如有疑问，请关注本公司的文章资讯或网上查询：[www.takstar.com](http://www.takstar.com)对其中涉及的描述和图像，  
以包装箱内容和实物为准！

Product is subject to update and improve without prior notice.  
Actual product may differ slightly from the description and photo of this user manual.