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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
服务热线：400 6828 333 传真：0752 6383950
邮箱：xs@takstar.com
网址：www.takstar.com

Guangdong Takstar Electronic Co., Ltd.
Address: No. 2 Fu Kang Yi Rd., Longxi Boluo
Huizhou, Guangdong 516121 China
Tel: 86 752 6383644 Fax: 86 752 6383952
Email: sales@takstar.com
Website: www.takstar.com

TAKSTAR® 得胜



GR87 | 专业录音麦克风
Professional Recording Microphone

使用手册 | User Manual

■ 前言

尊敬的用户：

感谢您选购得胜GR87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，具有优秀的频响及良好的瞬态，真实还原人声、乐器等细微声音信号；
- 准确的拾音指向，将背景噪音弱化到较小状态，满足高要求的录音需要；
- 超低底噪电路从本质上消除杂音干扰，锌合金材质管体确保厚重质感的同时，赋予强大的电磁屏蔽；
- 双层疏密金属网声腔，保护音头免受爆破音干扰，减震结构音头座，减少震动噪声的传导；
- 带低频衰减开关，有效滤除低频噪音，避免近讲效应，声音录制纯净清澈；
- 带灵敏度衰减开关，可承受高声压级收音，防止过载失真；
- 配置专用金属防震架，具有出色的隔震防抖性能，无惧微小抖动；
- 采用镀金XLR卡侬接口，提供高质量的传输与高抗干扰性，以获得高品质声音体验。

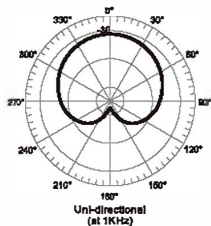
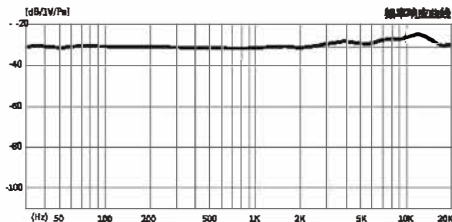
■ 适用范围

适用于舞台大合唱、专业录音、广播电台、影视配音等场所

■ 标准配置

- 麦克风 1支
- 防震架 1个
- 橡皮筋 2条
- 防风棉 1个
- 防喷网 1个
- 说明书 1份

■ 技术参数



- 类型：大振膜电容拾音器
- 声学原理：压力梯度传感器
- 膜片：3微米镀金振膜
- 传感器：25.4mm, 1in
- 指向性：单指向
- 灵敏度：28.18mV/-31dBV/Pa
- 上限声压级等级 \geq 1%的失真度：135dB SPL
- 噪音：-110dBV(A-wt)
- 动态范围：130dB (A)
- 供电电压范围：48V+/-4V
- 电流消耗：3mA
- 内部阻抗：110 Ω
- 额定负载阻抗：1000 Ω
- 连接器：镀金三针 XLR
- 麦克风外观结构：锌合金本体
- 麦克风尺寸：196mm*54mm
- 麦克风净重：446g

注：以上数据由得胜实验室测试得到，并拥有最终解释权！

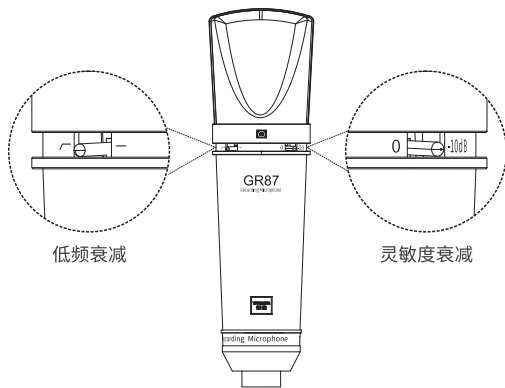
■ 功能示意

1. 低频衰减功能:

- (1) 开关拨到“—”位置时，能够拾取真实的声源，一般在环境比较安静的情况下（如消声室）使用；
- (2) 开关拨到“/”时可滤除100Hz以下的低频环境噪声（如交通、空调系统、舞台地板震动声等），有效降低喷麦声，使音质更加清晰

2. 灵敏度衰减功能:

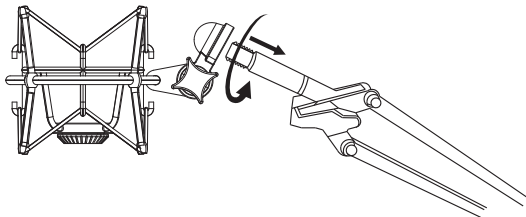
- (1) 当开关拨到“0dB”位置时，为无衰减状态；
- (2) 当开关拨到“-10dB”位置时，灵敏度衰减-10dB，能够承受更高的声压，一般在高声压级大动态拾音场合使用（如交响乐队的低频鼓、小号等乐器拾音）。



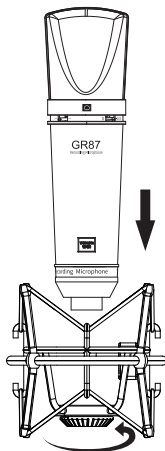
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■ 使用说明

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“GR87”产品型号和一个“○”心型指向性标记的一面为正面，将麦克风的正面对准声源，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；

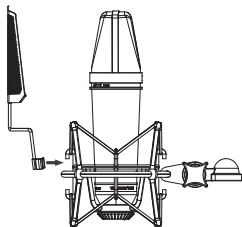


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GR87 专业录音麦克风

3. 通过防喷网上的卡扣将防喷网安装到防震架上；
如图所示：

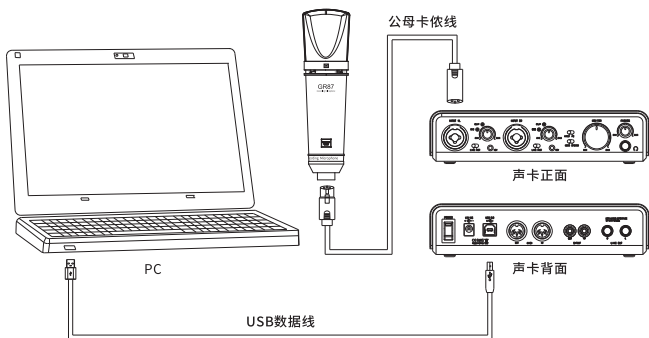
提示：也可以去掉防喷网，换成用防风棉，两者只选用一款即可。防喷网比较美观，对于声音的保真度保持比较好，但防水作用没有防风棉好。防风棉虽然防水作用较好，但因为遮挡了麦克风头部，影响了麦克风整体美感，而且通透性没有防喷网好，对麦克风音质还原有轻微的影响。可根据个人喜好选择是否安装防风棉。



4. 将麦克风的接口通过公母卡依线连接到具有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：本产品需求的48V幻象电源规格：DC 48V±4V/2.8mA±20%

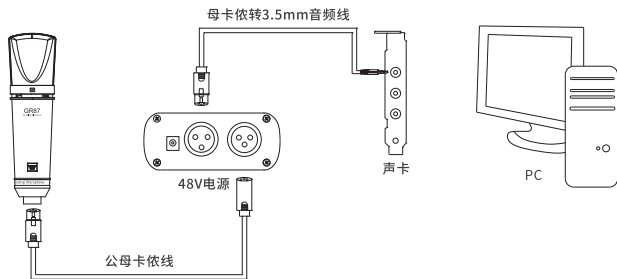
①音频设备带48V供电的连接方法：



05

GR87 专业录音麦克风

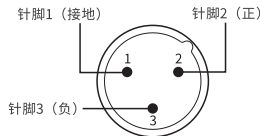
②音频设备不带48V供电的连接方法：



5. 将连接线固定在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离效果；

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. 麦克风输出口是三针XLRM接口，其极性如图所示：



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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；
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，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；
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



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，
且此标志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 GR87 Professional Recording 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

- ø34mm gold-sputtered large diaphragm capsule, with excellent frequency response and good transient response, faithfully reproduces subtleties of vocals and instruments.
- Precise pickup pattern reduces background noise for professional recordings.
- Ultra-low noise circuit effectively removes interference from self-noise, while the zinc alloy body ensures a solid, heavy feel and provides strong electromagnetic shielding.
- Double-layer mesh protects against pops while the capsule holder absorbs vibrations.
- Switchable low cut filter for filtering out low-frequency noise and avoiding proximity effect.
- Switchable attenuation pad for recording high sound pressure levels without distortion.
- With a dedicated shock mount to isolate from minor shakes or bumps.
- Gold-plated XLR connector delivers high-quality transmission and high resistance to interference.

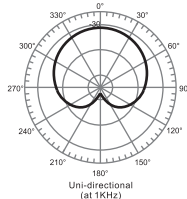
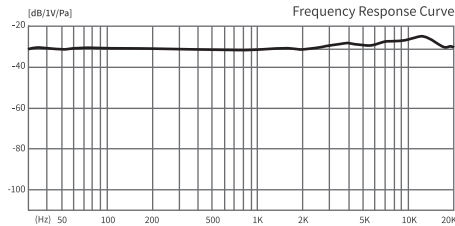
■ Applications

- Ideal for stage performances, professional recording, broadcast stations, voice-over for film and television, and more.

■ Package Contents

- Microphone 1 pc
- Shock Mount 1 pc
- Elastic Band 2 pcs
- Windscreen 1 pc
- Pop Screen 1 pc
- User Manual 1 pc

■ Specifications



- Type: Large diaphragm condenser mic
- Acoustic principle: Pressure gradient sensor
- Diaphragm: 3 μ m-gold-sputtered
- Sensor: 25.4mm, 1 inch
- Polar Pattern: Unidirectional
- Sensitivity: 28.18mV/-31dBV/Pa
- Maximum SPL (1% THD): 135dB SPL
- Noise: -110dBV (A-wt)
- Dynamic Range: 130dB (A)
- Power Supply Voltage Range: 48V+/-4V
- Current Consumption: 3mA
- Internal Impedance: 110 Ω
- Rated Load Impedance: 1000 Ω
- Connector: Gold-plated three-pin XLR
- Mic Housing: Zinc alloy
- Mic Dimensions: 196mm * 54mm
- Mic Net Weight: 446g

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

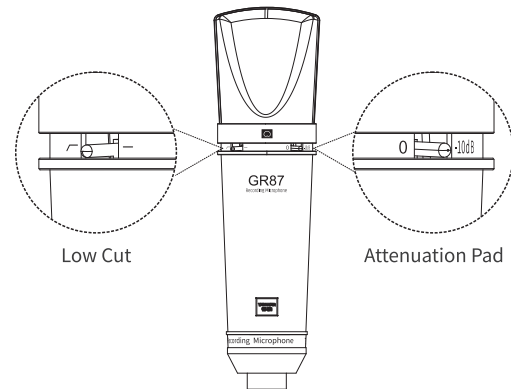
■ Function Descriptions

1. Low Cut:

- 1) Switch to "—": records sound as it is, generally used in a quiet environment (e.g., anechoic room).
- 2) Switch to "⎓": filters out low-frequency environmental noise below 100Hz (e.g., traffic, air-conditioner, stage floor vibration), and effectively reduces plosives for clearer sound.

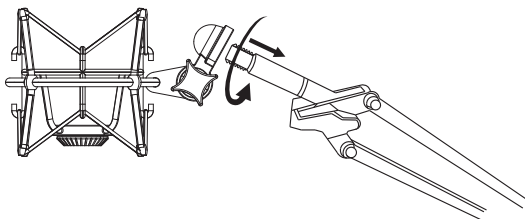
2. Attenuation Pad:

- 1) Switch to "0dB": no attenuation.
- 2) Switch to "-10dB": attenuates sensitivity by 10dB for recording higher sound pressure, usually used in areas with high SPL (e.g., instruments like bass drum, trumpet in a symphony orchestra).

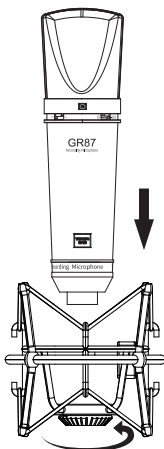


■ Operation Instructions

1. Assemble the shock mount onto the mic stand or boom arm, and tighten the fixing nut on the shock mount. It is recommended to keep the shock mount upwards and bottom screw downwards, to prevent accidental mic drop and damage in case of loose mic clamping.

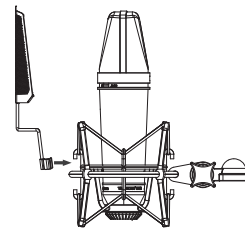


2. The front side of the mic is silkscreened with the model number "GR87" and a "☉" cardioid symbol. Face the front side towards the sound source. Install the mic onto the shock mount by tightening the bottom screw until fully secured.



3. Fasten the pop screen onto the shock mount via the bottom clip.

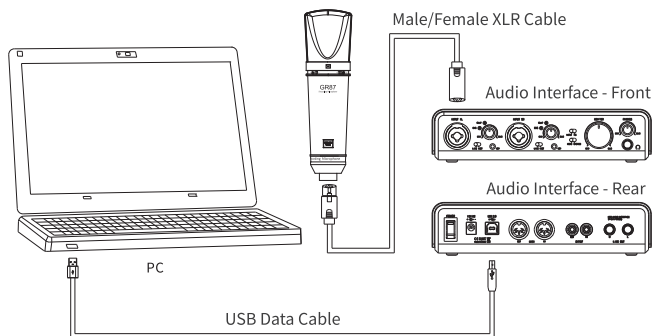
Tips: You can also replace the pop screen with the foam windscreen. Use either one at your preference. Compared to the foam windscreen, the pop screen provides better aesthetics, maintains slightly higher audio transparency/fidelity, and does not block view of the mic capsule, but offers lesser protection from speech droplets.



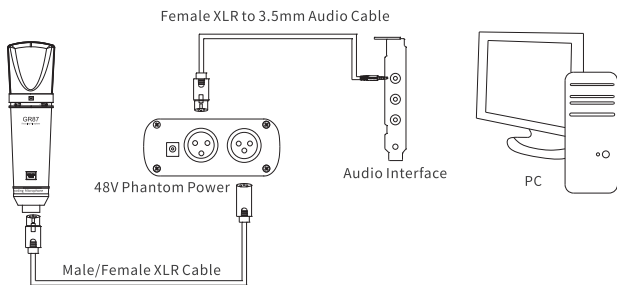
4. Using the XLR male-to-female cable, connect the mic to an audio device (e.g., audio interface, mixing console) with built-in 48V phantom power supply, or use an external 48V power supply (not included) if none.

Note: The phantom power supply requirement for this product is DC 48V±4V/2.8mA±20%.

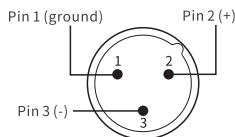
① Connection to audio device with built-in 48V phantom power:



② Connection to audio device without built-in 48V phantom power:



5. Fix the connection cable onto the mic stand or boom arm, and leave a section/loop of cable at the mic. This helps to effectively isolate the vibration.
6. Please turn the volume to the minimum on the audio device before switching on the phantom power. Then gradually increase the volume to an appropriate level. This helps to prevent speaker damage from high sound pressure. Keep a proper distance between the mic and the speakers to avoid feedback howling.
7. The mic output uses a three-pin XLR male connector, as shown 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 or hearing impairment.
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 after-sales service outlet 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 outlet.

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/>



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 (不包含港澳台地区)。