

TAKSTAR® 得胜



CM500

电子管麦克风

PROFESSIONAL TUBE MICROPHONE

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PROFESSIONAL TUBE MICROPHONE

尊敬的用户：

感谢您选购得胜CM500电子管麦克风，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。

Dear Customer,

Thank you for purchasing Takstar CM500 Professional Tube Microphone. To better understand and use the product, please read this manual thoroughly. If you have any questions or suggestions, please contact our local after-sales service.



► 关于得胜 / ABOUT TAKSTAR

广东得胜电子有限公司成立于1995年，作为中国民族品牌企业享誉国内外，一直致力于为全球用户提供优秀的声音处理解决方案。公司集研发、设计、生产、销售、服务于一体，拥有国内专业电声技术研发团队，是具有全球知名度和影响力的电声产品制造商，旗下产品涵盖麦克风、声卡、耳机、扩音器、音响系统等音频设备，通过创新的技术和优质的产品，实现人们享受更高品质娱乐生活的梦想，成为您身边值得信赖的声音伙伴！

Guangdong Takstar Electronic Co., Ltd. was founded back in 1995 and over the years we've become a well-respected Chinese brand, known both domestically and abroad for our great audio solutions. We have the ability to handle everything in-house – from R&D and design to manufacturing, sales, and support. Our team of audio engineers are truly experts in their field. We make microphones, sound cards, headphones, speakers, and complete sound systems. Through innovation and quality products, we aim to enhance peoples' entertainment experiences. We want to be your trustworthy companion for all things audio!



► 产品生产工艺 / PRODUCTION PROCESS

得胜CM500是一款具有低频衰减及灵敏度衰减、全指向、单指向、双指向等9种指向性的多功能电子管麦克风。经专业技术研发团队的深入探索与开发，产品融合了精湛工艺和技术。从选材到生产，从测试到包装，我们采用严格的生产流程和质量把控，确保每一个细节都达到专业级标准。精密的结构制造和全新电子管线路设计，使CM500呈现出温暖而自然的音色，赋予声音以柔和细腻的质感。锌合金材质本体，艺术美感兼具，独显大气雍华。

Our CM500 is a multifunctional tube mic with low-frequency attenuation, sensitivity controls, and nine different polar patterns. It's the result of extensive research and development by our engineering wizards. From material selection to packaging, we have rigorous production standards to ensure quality at every step. Precise construction and a custom tube circuit deliver a warm, natural sound quality with a gentle, nuanced texture. The zinc alloy body looks as good as it sounds too - rugged and elegant.



► 外观设计构思 / DESIGN CONCEPTS

CM500诞生背后的故事，是一次次技术的突破和美学的敏锐捕捉。对于产品外观方面，我们保留了电子管麦克风经典元素，设计独具特色的可视化窗口，让电子管的温暖真实体现；同时结合现代时尚前卫造型设计，不断勾勒与完善出既具有复古韵味，又符合当下审美趋势的科技感外观。

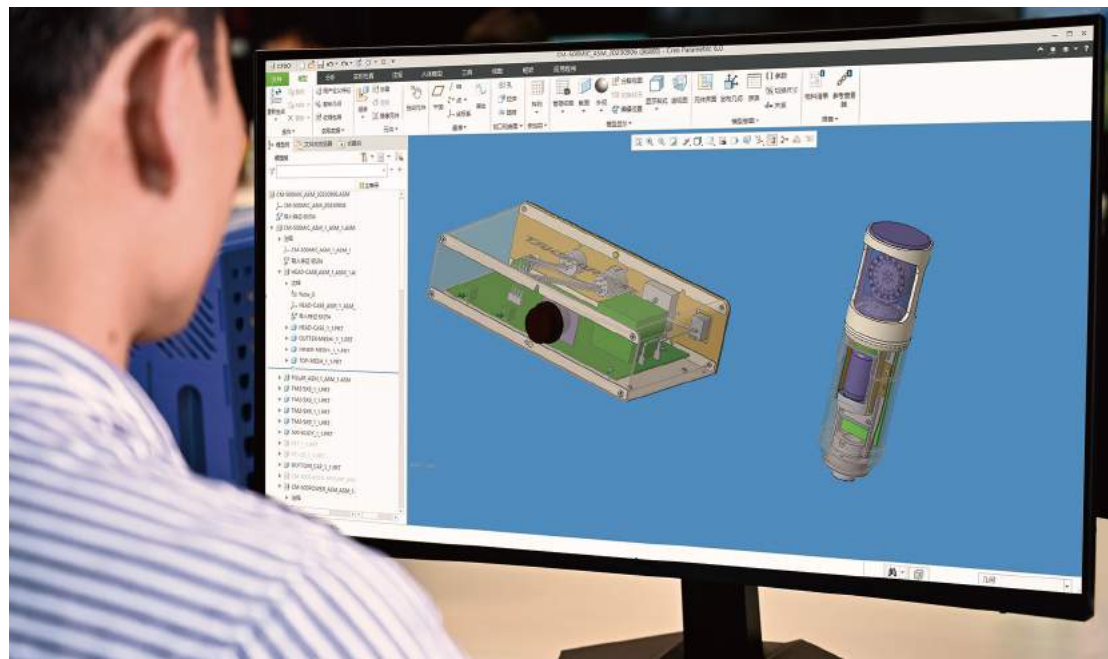
The story behind the CM500 involved pushing technical boundaries and keen aesthetic observation. We maintained classic tube mic elements but added a visible tube window, allowing the warmth to truly shine through. We combined vintage looks with modern, cutting-edge styling – blending retro flair with contemporary tastes.



► 探索与研发 / RESEARCH & DEVELOPMENT

愿景初现：通过对不同音频领域的洞察与调研，我们团队致力于打造一款革新性的电子管麦克风，旨在带来更温暖、柔和具有感染力的声音表现，为录音行业的工作流程提供更高的灵活性。

设计开发：一如既往，我们的产品开发始于功能需求，设计塑造独特形态。产品外观设计工程师借助建模软件，反复推敲产品的每一个轮廓与细节，无论是尺寸、布局、功能、旋钮的手感及每一个零部件等方面，都力求提升用户使用体验和实现设计理念的初衷。



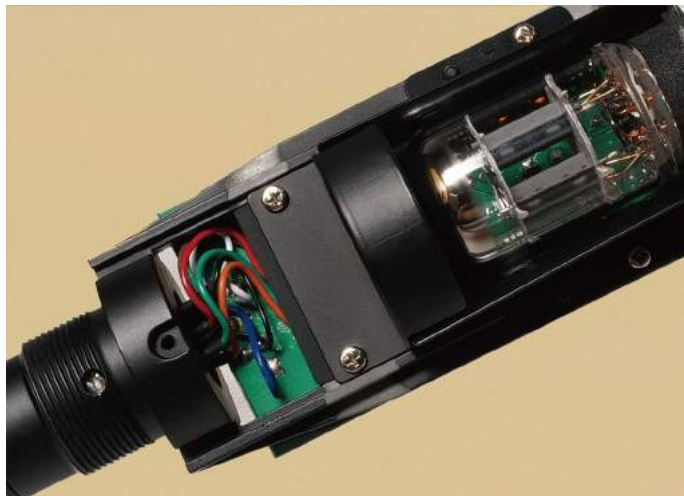
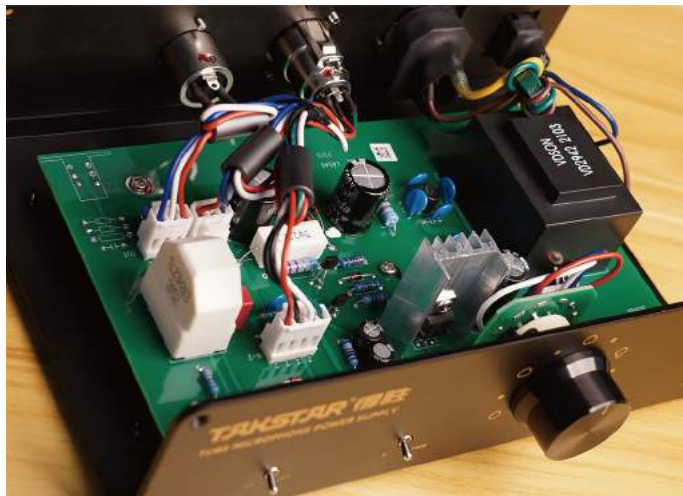
Brewing Vision: The seed of the CM500 was planted through studying different audio applications. We aimed to create an innovative tube mic delivering enveloping, lush tones for flexible recording setups.

Design Development: Product design starts with functionality. Our industrial designers crafted aesthetics around core specs. Extensive computer modeling helped refine every contour and component. Whether size, layout, ergonomics or each individual part - we focused on optimizing the user experience to fulfill our original vision.

► 电路设计阶段 / CIRCUIT DESIGN

电子管麦克风电路设计是一个复杂而精细的过程，合适的电子管选择、信号路径规划、电源设计、电路布局与布线以及安全性等因素都尤为关键。我们对每一支电子管进行性能测试，包括增益、噪声、失真等指标，严格筛选出性能稳定的电子管，确保其与各元件能够协同工作，以实现温暖、柔和的电子管音色，保留丰富的声音细节。通过反复测试和调整，严谨的布线和电路板布局得以完成，并成功将声音信号在传输过程中的损失和干扰最小化。此外，我们还充分考虑了实用性和适应性，设计了可调节的灵敏度衰减和低切滤波器功能，以适应不同录音环境和各种音频录制任务。

Circuit design for a tube mic is an intricate process. Proper tube selection, signal routing, power supply, layout and wiring are all critical. We tested each tube's gain, noise and distortion, carefully selecting ones ensuring harmonious operation for our desired warm, gentle tube sound whilst retaining rich detail. Through rigorous testing and tweaking, our meticulously wired boards achieve minimal signal loss or interference during transmission. Adjustable attenuation and filtering further tailor the mic for diverse recording conditions.



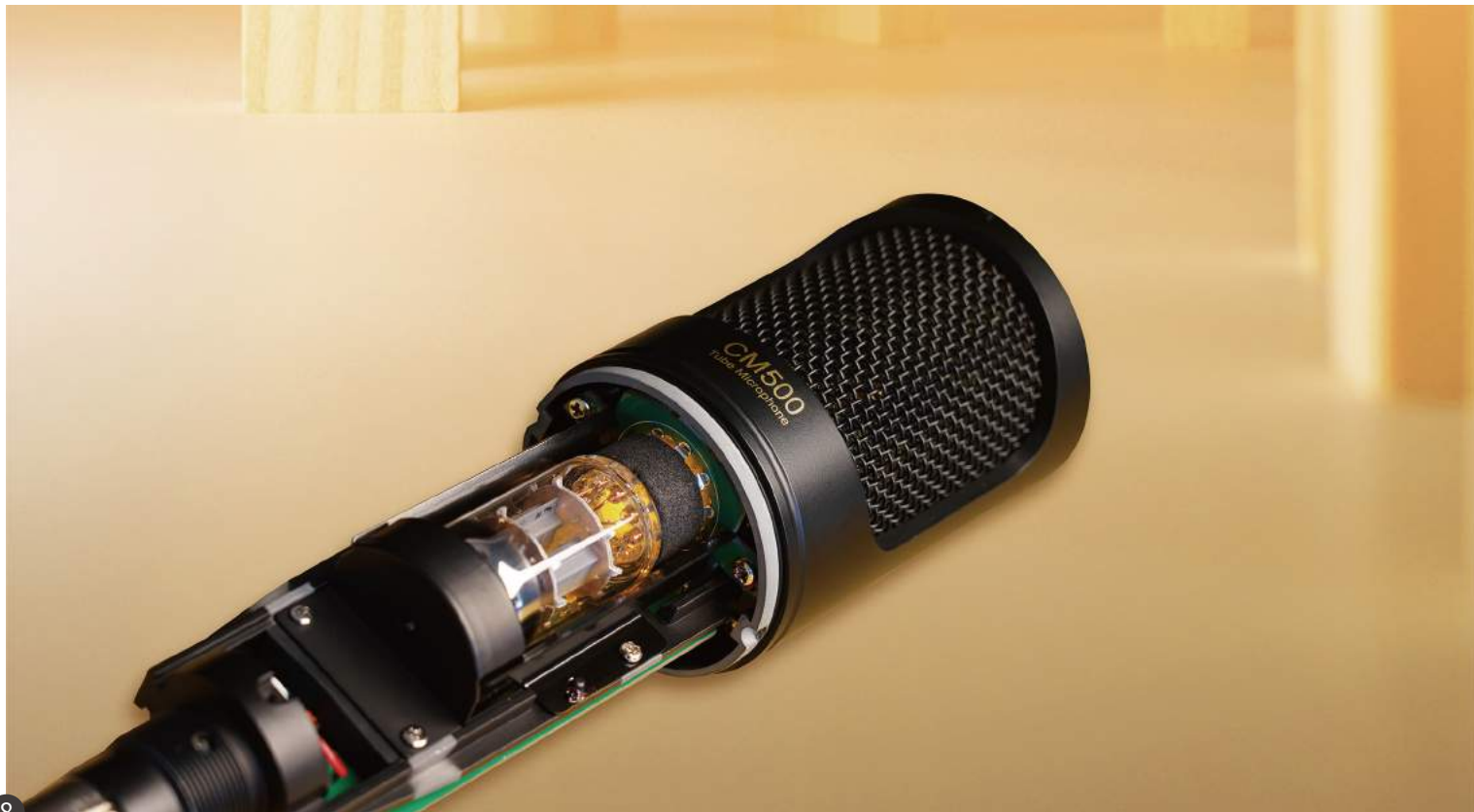




► 原型机制作与迭代优化 / PROTOTYPING & OPTIMIZATION

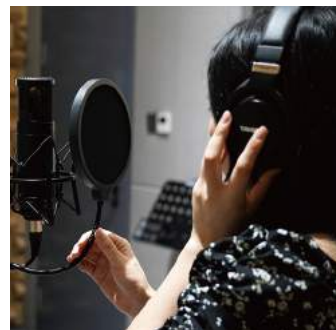
在产品开发的关键阶段,我们通过零部件加工与制作、组装与调试等多个工序,成功制作了一系列原型机。这些原型机不仅见证了我们的付出与坚持,更为产品设计师和工程师提供了不断探索优化和追求完美的空间。

At this critical stage, we assembled series of working prototypes through machining, assembly and testing. Witnessing our efforts come to life, these prototypes also provided our designers and engineers invaluable opportunities to continuously explore improvements and push towards perfection.



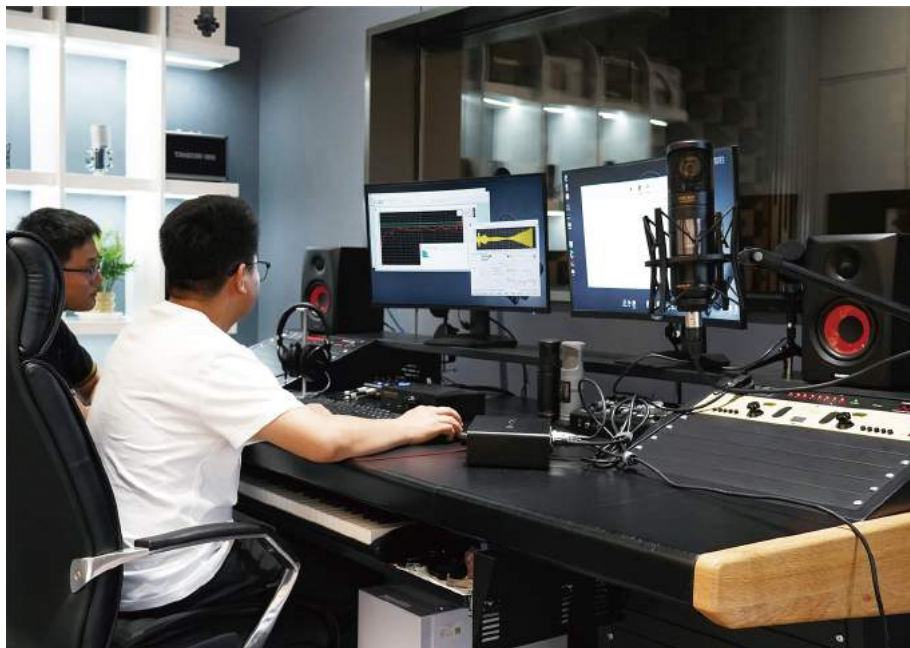
为了确保产品的性能与市场需求的高度契合,我们将其送往音频圈达人、音乐制作人等进行真实录音环境的评测,他们以其丰富的经验为我们提供了许多有价值的反馈和建议。正是基于这些有针对性的反馈

To ensure optimum product-market fit, we sent prototypes for real world testing by audio professionals and music producers. Their wealth of experience yielded much valuable feedback and suggestions.



我们得以对产品进行更加精准的优化和改良迭代，使产品的功能要求、声音特性等方面达到我们的预期。

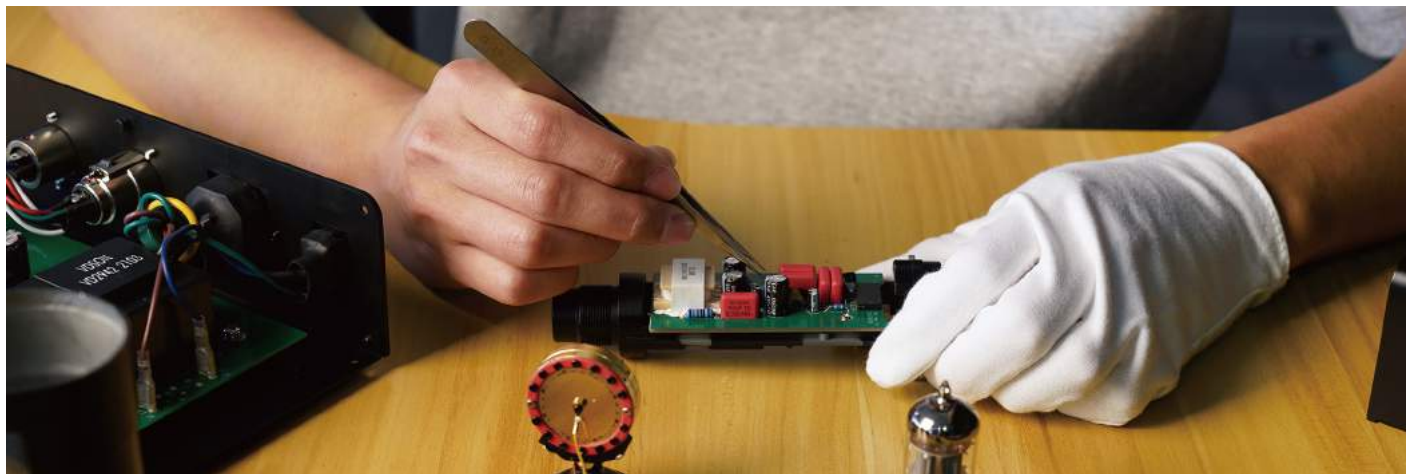
Incorporating these targeted insights enabled even more precise optimization and refinement of functionality, sonic attributes and beyond - fulfilling our vision for the CM500.



► 质量至上与严格把控 / QUALITY ASSURANCE

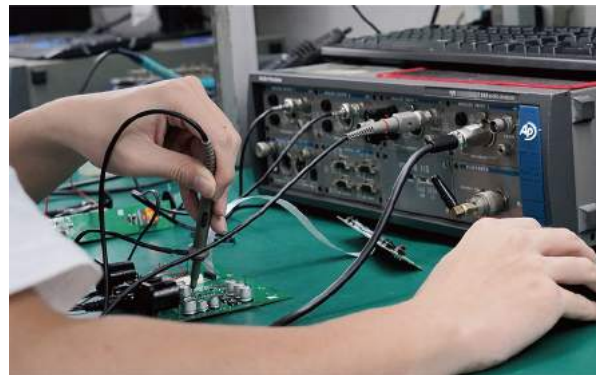
在开始大批量生产之前，我们进入到至关重要的预生产环节。在此阶段，我们对所有制造设备进行了全面且严格的测试，以确保其性能稳定、精准可靠。同时，我们反复检验各种配件，稳扎稳打逐步推进至最终的CMF（颜色、材料、成品）阶段，让预生产成品都符合我们设定的高质量标准。

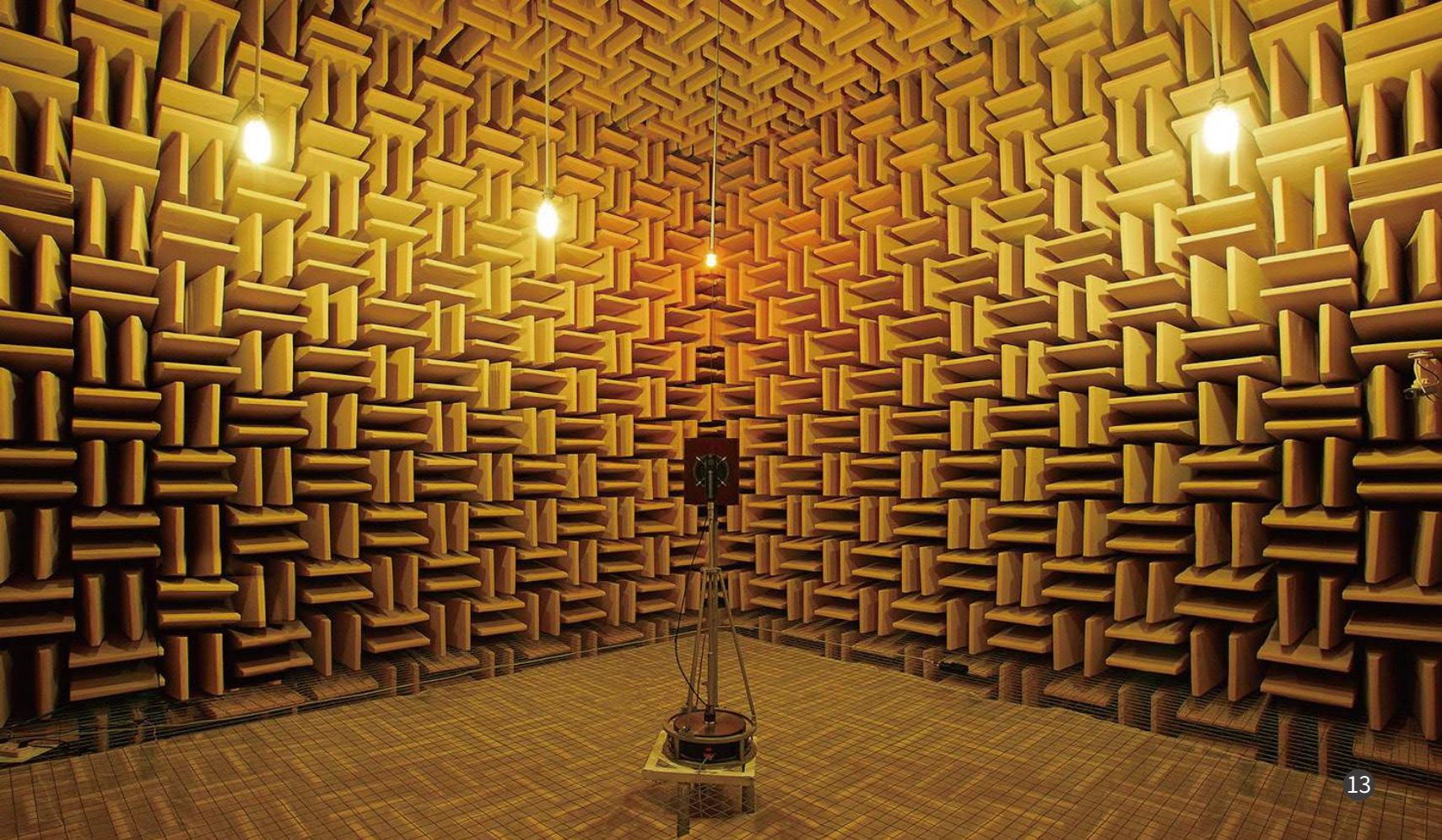
Before mass production, we entered the vital pre-production phase. Here, we thoroughly tested all manufacturing equipment to certify performance stability and precision reliability. Constant parts inspection refined our processes, systematically advancing to the final CMF (color, material, finishes) stage to ensure pre-production units meet our high standards.



试产是产品从设计走向量产的桥梁,我们通过小规模生产以验证成品的可制造性和工艺的可行性。这一环节帮助我们及时发现并解决了潜在问题,为大规模生产的顺利进行奠定了坚实基础。我们的最终目标,是让CM500这款电子管麦克风成为用户信赖的选择。

Pilot production bridges the gap from design to mass manufacture. Through limited initial runs we validated real-world build quality and workflow feasibility, helping resolve any latent issues to pave the way for smooth scaling. Our aim is for the CM500 to become your go-to mic trusted for years through meticulous quality assurance.











使用手册 | User Manual



■ 产品特性

- 双面镀金大振膜设计, 确保了指向的精确度及宽广的频率响应;
- 具有9种指向性可供选择, 强大的灵活性, 满足不同场合拾音需求;
- 采用全新真空电子管线路技术, 音色更加温暖柔和、富有感染力;
- 带低频衰减开关, 有效降低环境噪音, 声音录制干净清晰;
- 带灵敏度衰减开关, 可承受高声压级收音, 防止过载失真;
- 磁吸式双层金属防喷网, 精巧美观易安装, 更大限度滤除喷麦声和气流声等杂音干扰;
- 配置专用的金属防震架, 出色的隔震性能, 防止震动声的传导;
- 典雅大气外观, 可视化电子管窗口设计, 精湛工艺, 彰显高端品质;
- 定制高档收纳箱, 大容量存放有序, 保护全面, 携带更方便。

■ 适用范围

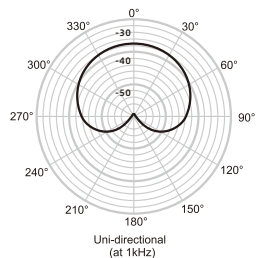
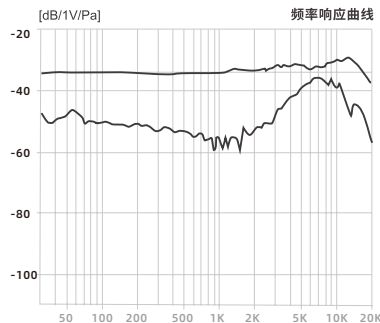
适用于大合唱、舞台演出、录音棚、影视配音等专业场合

■ 标准配置

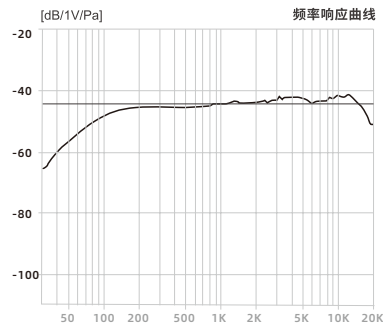
CM500麦克风 1支	48V幻象电源盒 1个	防震架 1个
磁吸防喷网 1个	防风绵 1个	皮革袋 1个
7P公母卡侬输出线 1条	电源线 1条	防震架皮筋 2条
皮盒 2个	铝合金箱 1个	说明书 1份

■ 技术参数

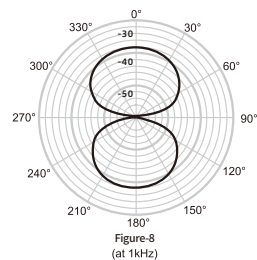
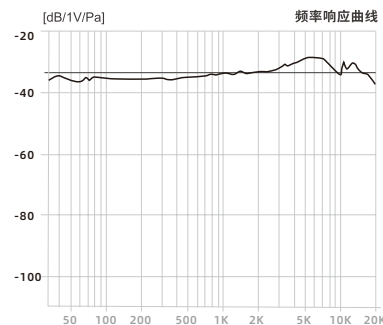
单指向



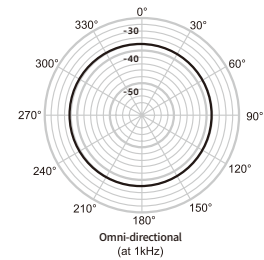
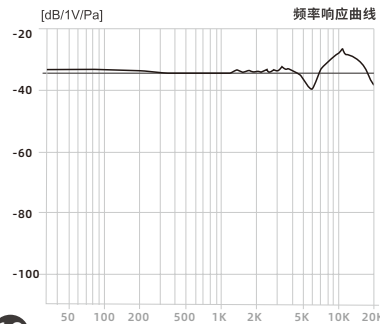
10dB衰减



8指向



全指向



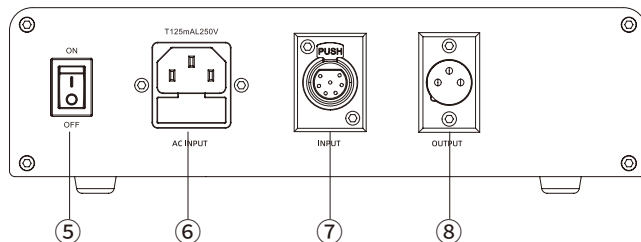
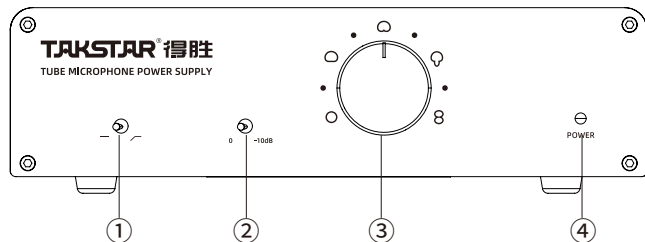
CM500电子管麦克风

- 音头：双面镀金大振膜音头
- 指向性：全指向、单指向、双指向等9种
- 频率响应：20Hz-20kHz
- 灵敏度：-33dB±3dB (0dB=1V/Pa at 1kHz)
- 输出阻抗：200Ω±30% (at 1KHz)
- 负载阻抗：≥1000Ω
- 等效噪声级：22dBA (IEC 268-5)
- 声压级：120dB (1KHz 谐波失真≤1%)
- 麦克风单体重：约700g
- 幻象电源盒重量：约1970g

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

幻象电源盒



① 低频衰减开关:

- a. 当开关拨至“—”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;
- b. 当开关拨至“∧”位置时,可滤除150Hz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,使音质更加清晰自然。

② 灵敏度衰减开关:

- a. 当开关拨至“0dB”位置时,为无衰减状态;
- b. 当开关拨至“-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)。

③ 指向性调节功能:

- a. 开关调节至“○”时为全指向,在各个方位(360°)拾音效果是相同、均匀的,此时可在同一个麦克风上对多个语音或乐器收音,消除近讲效应和保留现场环境声音,用于多声场音源拾音;
- b. 开关调节至“○”时为宽心型指向,从麦克风正前方拾音,可实现(180°)拾音效果,该指向适用于录制乐器组(如弦乐);
- c. 开关调节至“◐”时为心型指向,从麦克风正前方拾音,此时在抑制声反馈、环境噪音和在多个表演者之间实现隔音方面非常有效,通常用于单一声源录音,也是较常用的拾音方式;
- d. 开关调节至“◑”时为超心型指向,抵消了更多来自麦克风侧面方向的声音,常用于室内乐的多轨录音中,减少来自附近其他乐器的声音;
- e. 开关调节至“8”时为双指向,从麦克风正前方和背面的拾音灵敏度相等,适用于双向录音场合,通常还会结合立体拾音时使用;
- f. 开关调节至“●”时为过渡指向。

④ 电源指示灯: 指示灯显示绿色时,表示电源盒进入工作状态,指示灯熄灭时,表示电源盒停止工作。

⑤ 电源开关: 拨到“ON”的位置为开启电源,拨到“OFF”位置为关闭电源。

⑥ 供电接口: AC 220V电源电压输入。

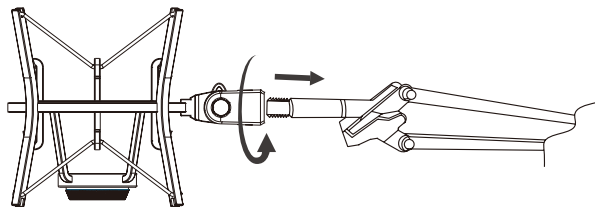
⑦ INPUT输入: 用于连接麦克风使用。

⑧ OUTPUT输出: 标准的卡侬线接口,用于连接声卡、调音台、放大器等音频设备。

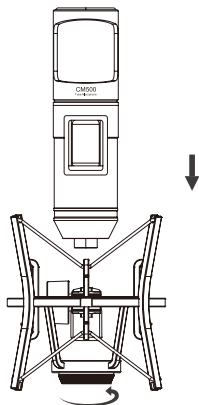
■ 使用说明

安装说明

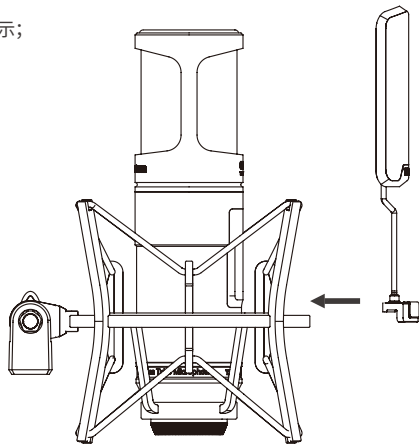
1. 将防震架安装到麦克风支架或吊杆上，并悬紧防震架上的固定螺母。建议防震架安装固定好后正面朝上，底部螺母朝下，以防麦克风夹不紧时从防震架中跌落造成损坏；



2. 麦克风印有“CM500”型号和带可视化电子管窗口的一面为正面，确保将麦克风的这一面对准声源，安置到防震架中；



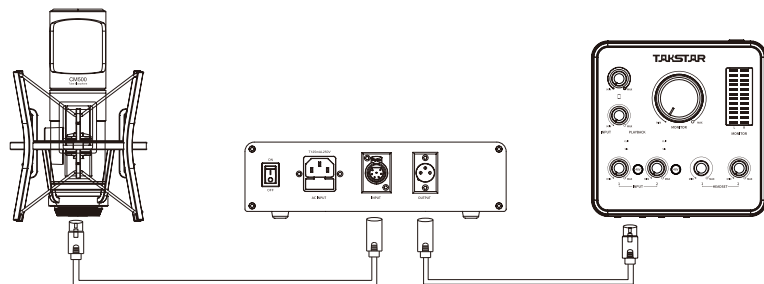
3. 将附带的防喷网安装到防震架上, 如图所示;



提示: 也可以卸掉防喷网, 更换成防风棉, 两者只选用一款使用即可。防喷网造型比较美观, 对于声音的保真度保持比较好, 但防口水作用没有防风棉效果佳。防风棉虽然防口水作用较好, 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影响。具体可以根据个人的喜好选择使用。

4. 将7P公母卡侬麦克风线母头一端插入麦克风底部的接口, 另一端连接到电源盒的INPUT输入接口上; 然后再使用标准的卡侬线, 母头一端连接电源盒OUTPUT输出接口, 另一端连接至声卡、调音台等音频设备的输入接口。

连接示意图



5. 连接完成后, 在通电状态下, 打开电源盒开关, 当CM500电子管显示窗发出亮光时, 表示麦克风进入工作状态。为确保其正常工作, 请在通电后将麦克风先预热几分钟, 让电子管内的零部件和电子元件达到工作温度。
6. 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震效果。
7. 建议使用时, 应先将所连接的音频设备音量调小, 再打开幻象电源盒开关, 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; 尽可能地拉开麦克风与扬声器的距离, 避免麦克风和扬声器相对, 从而有效控制反馈啸叫。



■ 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. 本产品不得遭受水滴或水溅, 产品上不得放置诸如花瓶类的装有液体的物品;
5. 在对本产品进行清洁时, 请务必将电源插头从电源插座中拔出。清洁产品时, 使用柔软的干布, 请勿使用涂料稀释剂、溶剂、清洁液或浸了化学物质的抹布;
6. 在雷暴期间或长时间不使用时, 请拔下本产品的插头;
7. 请勿使用墙壁插座或延长线过载, 否则可能会导致风险火灾或电击;
8. 保护电源线不被踩到或挤压, 尤其是插头、插座以及它们与电源线连接的位置;
9. 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;
10. 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;
11. 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, 未经同意对本产品进行自行拆机改装或维修, 可能会失去由得胜电子有限公司提供的保修;
12. 请使用制造商指定的附件。

■ 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	×	○	○	○	○	○
<p>本表格依据SJ/T 11364的规定编制</p> <p>○：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。</p> <p>×：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。</p>						
<p>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。</p> <p>电池部分的环保使用期限为5年。</p>						<div></div> <div></div>

■ 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。

 未经合规方明确批准的变更或修改可能会使用户失去操作设备的权限。此设备符合FCC规则第15条部分的要求。操作须符合以下两个条件: (1) 此设备可能不会造成有害干扰, (2) 此设备必须接受接收到的任何干扰, 包括可能导致意外操作的干扰。



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>
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■ Features

- Dual-side gold-sputtered diaphragm for precise directionality and wide frequency response.
- 9 selectable polar patterns for versatile application.
- State-of-the-art vacuum tube circuitry for warm, gentle, expressive sound.
- Low cut switch to reduce ambient noise.
- Sensitivity attenuation switch to prevent distortion from high SPLs.
- Magnetic dual-layer metal pop filter eliminates plosives/airflow noise.
- Metal shock mount isolates vibration noise.
- Electronic tube window design for elegant aesthetics.
- Premium storage case protects and organizes for travel.

■ Applications

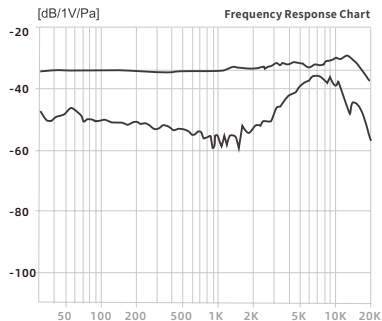
Suitable for professional applications such as choir performances, stage shows, recording studios, and dubbing for film and television.

■ Package Contents

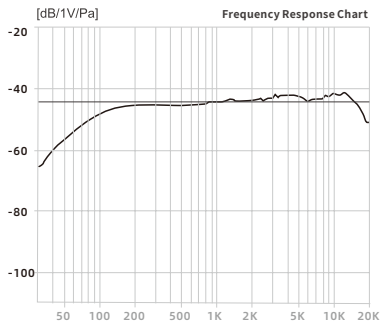
1 × CM500 Microphone	1 × 48V Phantom Power Supply Unit	1 × Shock Mount
1 × Magnetic Pop Filter	1 × Windscreen	1 × Leather Bag
1 × 7-Pin Male-to-Female XLR Cable	1 × Power Cord	2 × Shock Mount Elastic Band
2 × Leather Box	1 × Aluminum Alloy Case	1 × User Manual

■ Specifications

Unidirectional



10dB Attenuation



Omnidirectional

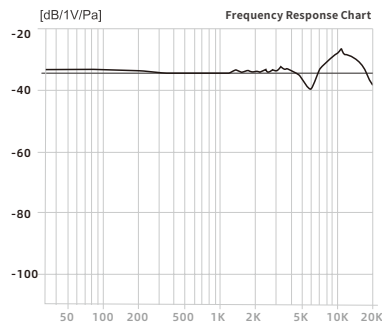
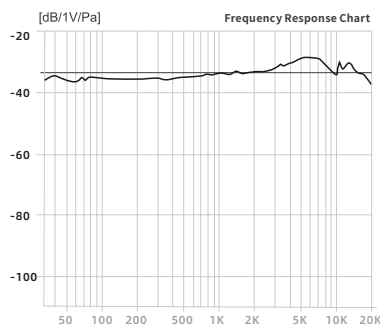


Figure-8



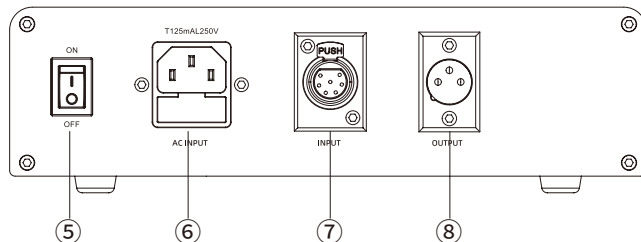
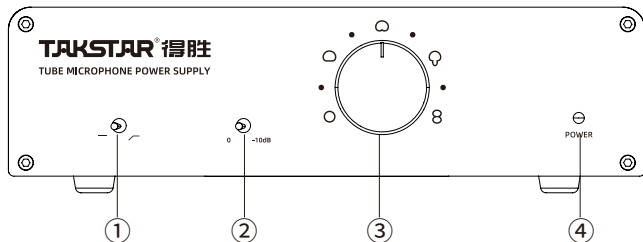
CM500 PROFESSIONAL TUBE MICROPHONE

- Capsule: dual-side gold-plated large diaphragm capsule
- Directivity: 9 types incl. omni-/uni-/bi-directional
- Frequency Response: 20Hz-20kHz
- Sensitivity: $-33\text{dB} \pm 3\text{dB}$ ($0\text{dB}=1\text{V}/\text{Pa}$ at 1kHz)
- Output Impedance: $200\Omega \pm 30\%$ (at 1KHz)
- Load Impedance: $\geq 1000\Omega$
- Equivalent Noise Level: 22dBA (IEC 268-5)
- Maximum SPL: 120dB (1KHz THD $\leq 1\%$)
- Mic Weight: about 700g
- PSU Weight: about 1970g

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

■ Function Descriptions

Phantom Power Supply Unit



1. Low Cut Switch:

- a. When set to " — ", it can pick up the true sound source, and is generally used in quiet environments such as soundproof rooms.
- b. When set to " 〵 ", it can filter out low-frequency environmental noise below 150Hz (such as traffic, air conditioning systems, and stage floor vibrations), effectively reducing plosives and making the sound cleaner.

2. Sensitivity Attenuation Switch:

- a. When set to 0dB, there is no attenuation.
- b. When set to -10dB, the sensitivity is attenuated by 10dB, allowing it to withstand higher sound pressure levels, and is generally used in high SPL dynamic recording situations, such as low-frequency drums and trumpets in symphony orchestras.

3. Polar Pattern Selection:

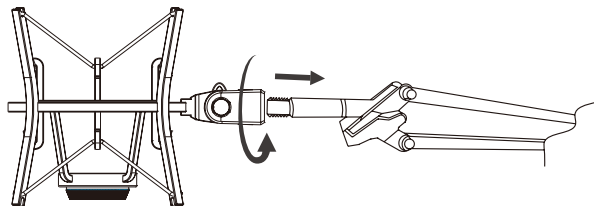
- a. When set to " ○ ", it is omnidirectional pattern, and the pickup effect is the same and uniform in all directions (360°). This can be used to capture multiple voices or instruments with a single mic, eliminate proximity effect, and preserve ambient sound. It is suitable for multi-source field recording.
- b. When set to " ⊙ ", it is wide cardioid pattern, which captures sound from directly in front of the mic and achieves 180° pickup. It is suitable for recording instrument groups, such as strings.
- c. When set to " ⊙ ", it is cardioid pattern, which captures sound from directly in front of the mic. This is very effective in suppressing feedback, environmental noise, and achieving isolation between multiple performers. It is usually for recording a single sound source and is commonly used.
- d. When set to " ⊙ ", it is supercardioid pattern, which cancels out more sound from the sides of the mic. This is commonly used in multi-track recording of chamber music to reduce sound from nearby instruments.
- e. When set to " 8 ", it is bidirectional pattern, with equal pickup sensitivity from the front and back of the mic. This is suitable for bidirectional recording and is often used in combination with stereophonic recording.
- f. When set to " ● ", it is a transitional pattern between two adjacent directivities.

4. Power Indicator: green if the PSU is turned on, and light off if the PSU is turned off.

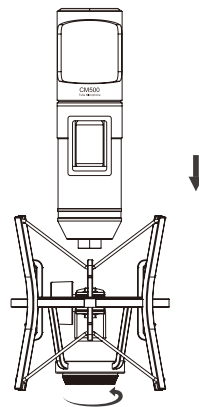
5. Power Switch: Set to ON to turn on the power supply, and set to OFF to turn off the power supply.
6. Power Input: AC 220V power input.
7. Mic Input: Used to connect the mic.
8. Mic Output: Standard XLR interface, used to connect audio equipment such as audio interfaces, mixers, and amplifiers.

■ Operating 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.

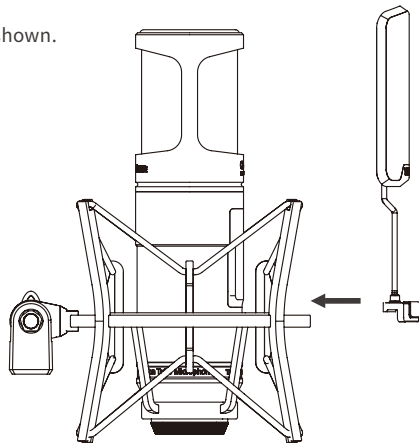


2. The front of the mic is the side with an inspection window of the vacuum tube and with silkscreened model number "CM500". Face the front side towards the sound source, and install the mic onto the shock mount.



CM500 PROFESSIONAL TUBE MICROPHONE

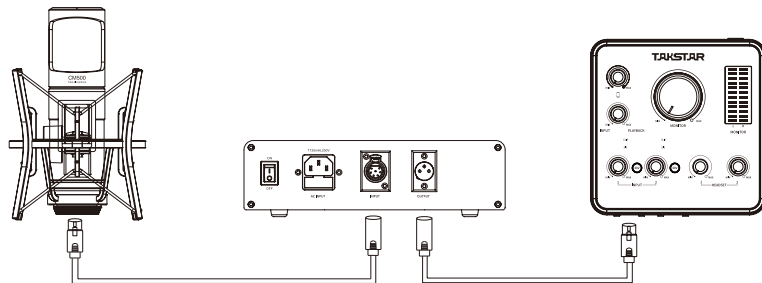
3. Install the pop filter onto the shock mount, as shown.



Note: You can also replace the pop filter with the foam windscreen. Use either one at your preference. Compared to the foam windscreen, the pop filter is better looking, maintains higher audio transparency, does not partly block view of the mic, but lacks same protection from speech droplets.

4. Take the 7-pin male-to-female XLR mic cable and plug the female end into the mic jack located at the bottom of the mic. Connect the other end of the cable to the INPUT interface on the PSU. Next, connect a standard XLR cable to the OUTPUT interface on the PSU, with the female end of the cable plugged into the PSU and the male end to the input interface of an audio interface, mixer or other audio equipment.

Connection Diagram



5. Once connected, make sure that the PSU is connected to the mains. Turn on the PSU by flipping its power switch to the ON position, and the CM500 vacuum tube display window will light up to indicate that the mic is operational. To ensure proper functioning of the mic, it is recommended to preheat it for a few minutes after turning on the power supply. This allows the components and electronic elements inside the vacuum tube to reach their operating temperature.
6. 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.
7. 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 by high sound pressure. Keep a proper distance between mic and speakers, and try not to point the mic towards the speakers to avoid feedback howling.

■ 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 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. Do not expose to water or splashes, and do not place liquid containers on top of the product, e.g., vases.
5. Unplug from power source before cleaning the device. Clean with a dry soft cloth. Do not use any thinner, solvent or cleaning agent.
6. Please unplug the device during thunderstorms or extended periods of non-use.
7. Do not overload the wall outlet or extension cord, as it may result in the risk of fire or electric shock.
8. Protect the power cord from being stepped on or crushed, especially near the plug, socket, and where they connect to the power cord.
9. The product must, when installed on walls or ceilings, be fixed firmly in place at adequate strength to prevent from falling.
10. Please abide by safety rules during operation. Do not use the product in places prohibited by laws or regulations to avoid accident.

CM500 PROFESSIONAL TUBE MICROPHONE

11. Do not disassemble or repair the product by yourself to avoid personal injury. If you have question or need service, please contact our local after-sales service.

Unauthorized disassembly or repair may void the warranty.

12. Please use accessories designated by the manufacturer.

■ 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.



Note: This equipment has been tested and found to comply with the limits for a Class B digital device, pursuant to part 15 of the FCC Rules. These limits are designed to provide reasonable protection against harmful interference in a residential installation. This equipment generates, uses, and can radiate radio frequency energy and, if not installed and used in accordance with the instructions, may cause harmful interference to radio communications. However, there is no guarantee that interference will not occur in a particular installation.

If this equipment does cause harmful interference to radio or television reception, which can be determined by turning the equipment off and on, the user is encouraged to try to correct the interference by one or more of the following measures:

- Reorient or relocate the receiving antenna.
- Increase the separation between the equipment and receiver.
- Connect the equipment to an outlet on a circuit different from that to which the receiver is connected.
- Consult the dealer or an experienced radio/TV technician for help.

Changes or modifications not expressly approved by the complying party may cause the user to lose permission to operate the device.

This device complies with part 15 of the FCC Rules. Operation is subject to the following two conditions:

- 1) This device may not cause harmful interference, and
- 2) This device must accept any interference received, including interference that may cause undesired operation.



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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- 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）。

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

◆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



PROFESSIONAL TUBE MICROPHONE

CM500 电子管麦克风

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