



Thank you for purchasing this product. Before using the product, read through the user manual to ensure that you will use the product correctly. Please keep this manual for future reference.

Features

- Exceptional performance for exceptional performers
- Same element as the classic AT4033 studio microphone
- Superior anti-shock engineering ensures low handling noise and quiet performance
- Cardioid polar pattern reduces pickup of sounds from the sides and rear, improving isolation of desired sound source
- Multi-stage grille design offers excellent protection against plosives and sibilance without compromising high-frequency clarity
- Robust all-metal design for enduring dependability on the road
- Integral 80 Hz HPF switch and 10 dB pad

Notes on use

With pristine audio quality, ultra-low handling noise, and high-frequency clarity, AE3300 gives voice to the subtleties of vocal performance. This cardioid condenser vocal microphone features the condenser element used in the legendary AT4033 and proven in the world's finest recording studios. The hardened-steel outer grille is lined with fine steel mesh and a layer of open-cell foam for ultimate protection against vocal plosives without compromising high-frequency clarity. Its superior anti-shock engineering ensures low handling noise and quiet performance. For exceptional performance. For exacting detail. For brilliant clarity: AE3300. it's the new standard in live audio.

When using the AE3300 in settings with a stage monitor speaker, the speaker should be located 180° off axis (at rear of the microphone). This placement, in conjunction with the microphone's uniform cardioid pickup pattern, will virtually eliminate the possibility of undesired audio feedback.

An integral 80 Hz hi-pass filter provides easy switching from a flat frequency response to a low-end roll-off. The roll-off position reduces the microphone's sensitivity to popping in close vocal use. It also reduces the pickup of low-frequency ambient noise (such as traffic, air-handling systems, etc.), room reverberation and mechanically-coupled vibrations.

Avoid using the microphone in the open sun or in areas where temperatures exceed 43°C for extended periods. Extremely high humidity should also be avoided.

Safety precaution

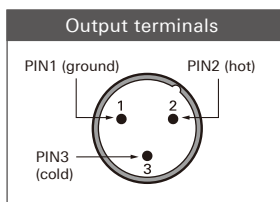
Although this product was designed to be used safely, failing to use it correctly may result in an accident. To ensure safety, observe all warnings and cautions while using the product.

Cautions for the product

- Do not subject the product to strong impact to avoid malfunction.
- Do not disassemble, modify or attempt to repair the product.
- Do not handle the product with wet hands to avoid electric shock or injury.
- Do not store the product under direct sunlight, near heating devices or in a hot, humid or dusty place.

Connection procedure

Connect the output terminals of the microphone to a device that has a microphone input (balanced input) compatible with a phantom power supply. The output connector is an XLRM-type with polarity as shown in the figure below.



This product requires 48 V DC phantom power.

Specifications

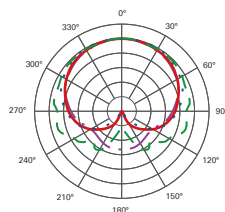
Element	Fixed-charge back plate, permanently polarized condenser
Polar pattern	Cardioid
Frequency response	30 - 18,000 Hz
Low Frequency response	80 Hz, 12 dB/octave
Open circuit sensitivity	-42 dB (7.9 mV) re 1V at 1 Pa
Impedance	150 ohms
Maximum input sound level	147 dB SPL, 1 kHz at 1% T.H.D. 157 dB SPL, with 10 dB pad (normal)
Noise	19 dB SPL
Dynamic range (typical)	128 dB, 1 kHz at Max SPL
Signal-to-noise ratio	75 dB, 1 kHz at 1 Pa
Phantom power requirements	11-52 V DC, 3 mA typical
Switch	High-pass filter, 10 dB pad (normal)
Weight (less accessories)	300 g
Dimensions	179.0 mm long, 50.0 mm head diameter, 33.0 mm to 22.0 mm tapered body diameter
Output connector	Integral 3-pin XLRM-type
Included accessories	AT8470 Quiet-Flex stand clamp for 5/8"-27 threaded stands; soft protective pouch

• 1 Pascal = 10 dynes/cm² = 10 microbars = 94 dB SPL

* Typical, A-weighted, using Audio Precision System One.

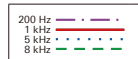
For product improvement, the product is subject to modification without notice.

Polar pattern

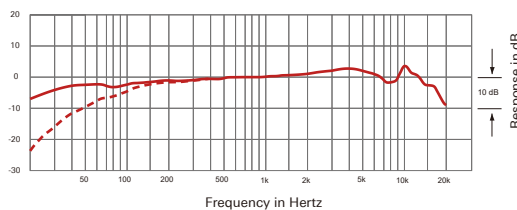


SCALE IS 5 DECIBELS PER DIVISION

LEGEND



Frequency response



LEGEND





感谢您购买本产品。在使用产品之前，请全文浏览本用户手册以确保您将正确地使用本产品。请妥善保存本手册，以供将来参考。

产品特点

- 为杰出表演者提供卓越的收音表现
- 与经典 AT4033 录音棚话筒使用相同的收音元件
- 出色的防震结构以确保更低的手持噪声
- 心形指向性减少了从侧面和后方的声音拾取，改善了对所需声源的隔离
- 多层式保护网格栅在不影响高频清晰度的情况下提供了防爆破音和稳定性保护
- 坚固的全金属主体设计，坚固耐用
- 内置 80Hz 高通滤波器及 10dB 衰减

使用注意事项

AE3300 具有朴实的音频质量，更低的手持噪声和低频清晰度，与传奇的 AT4033 录音棚话筒采用相同的电容收音元件，提供更微妙的人声收音效果，并在世界各地的录音棚中得到验证。强化的钢制外格栅保护衬有细钢丝网和一层开孔海绵，可在不影响高频清晰度的情况下提供了出色的防爆破音保护。其卓越的抗震技术可确保防止手持噪声和静音性能。表现更出色、收音更细致、音色更清晰，这是 AE3300 现场演出的新标准。

在设置有监听音箱的舞台上使用 AE3300 时，音箱应位于话筒偏离轴 180° 的位置（即话筒的后方）。这种放置方式与话筒的心形指向收音方式相结合，能在无形中消除不希望有的音频反馈声。

内置低截止滤波电路，可轻易由平直的频率响应，开启为于 80Hz 以下衰减的收音效果，应用低截止滤波器可降低话筒在近距离讲话收音时的喷气声，并可减低收音环境中低频噪声（如外间汽车引擎声，空调系统的风声等），房间中的回声及机械性的震动声。

把话筒暴露于高温中可能导致输出电平逐渐及永久性减弱，应避免将话筒留在日晒的地方或长时间置于温度超过 43°C 的地方，而极高湿度也应避免。

安全预防措施

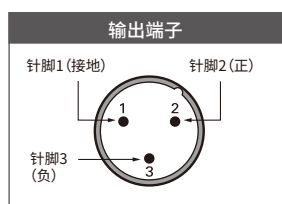
虽然本产品采用安全设计，但使用不当仍可能发生安全事故。为了确保安全，使用本产品时请注意全部警告和提醒。

本产品注意事项

- 切勿让本产品遭受强烈冲击，以避免发生故障。
- 切勿拆开、改装或尝试维修本产品。
- 切勿用湿手握持本产品，以免触电或受伤。
- 切勿将本产品存放在阳光直射的地方、加热装置附近或者炎热、潮湿或多尘的地方。

连接步骤

将话筒的输出端子连接到具有兼容幻象电源的话筒输入（平衡输入）的设备。输出接口是 XLRM 型接口，其极性如下图所示。



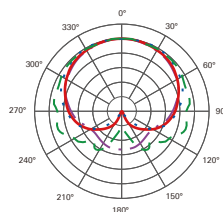
本产品使用直流 48V 幻象电源。

规格

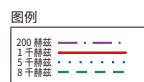
元件	固定充电背板，静电型电容式
指向性	心形指向性
频率响应	30 - 18,000 Hz
高通滤波	80 Hz, 12 dB/octave
开路灵敏度	-42 dB (7.9mV) 以 1V 于 1Pa
输出阻抗	150 欧姆
最大承受声压	147 dB 声压, 1 kHz 于 1% T.H.D. 157 dB 声压, 于 10 dB 衰减 (正常)
噪声	19 dB 声压
动态范围 (典型)	128 dB, 1 kHz 于最高声压
信噪比	75 dB, 1 kHz 于 1 Pa
幻象供电	直流 11-52V, 3mA 典型
开关	低截止滤波, 10 dB 衰减
重量 (不含配件)	300 克
尺寸	长度 179.0 mm, 保护网直径 50.0 mm 锥形话筒身直径 33.0 mm 至 22.0 mm
输出端子	内置式 3 针卡农公头
附带配件	AT8470 Quiet-Flex 防震式 5/8"-27 接头话筒夹; 保护袋

* 1 帕 = 10 达因 / 平方厘米 = 10 微巴 = 94 dB SPL
* 典型, A 计权, 使用 Audio Precision System One
因产品改进, 本产品会随时改装, 恕不另行通知。

指向性



比例是每分贝 5 分贝



频率响应

