ATM410

ARTIST SERIES™

CARDIOID DYNAMIC VOCAL MICROPHONE

SPECIFICATIONS

ELEMENT	Dynamic
POLAR PATTERN	Cardioid
FREQUENCY RESPONSE	90-16,000 Hz
OPEN CIRCUIT SENSITIVITY	-55 dB (1.7 mV) re 1V at 1 Pa
IMPEDANCE	300 ohms
WEIGHT (less cable and accessories)	233 g
DIMENSIONS	170.0 mm - long, 53.5 mm - diameter
OUTPUT CONNECTOR	Integral 3-pin XLRM-type
ACCESSORIES FURNISHED	AT8470 Quiet-Flex™ stand clamp for ⅝”-27 threaded stand; ⅝”-27 to ⅜”-16 threaded adapter; Soft protective pouch

- Tailored for smooth, natural vocal reproduction.

- Cardioid polar pattern reduces pickup of sounds from the sides and rear, improving isolation of desired sound source.

- Durable performance for professional applications.

- Hi-ENERGY® neodymium magnet for improved output and transient response.

- Excellent off-axis rejection for minimum feedback.

- Superior anti-shock engineering for low handling noise.

- Multi-stage grille design offers excellent protection against plosives and sibilance without compromising high-frequency clarity.

- Quiet-Flex™ stand clamp provides silent, flexible microphone positioning.

- Corrosion-resistant contacts from gold-plated XLRM-type connector.

- Rugged, all-metal design and construction for years of trouble-free use.

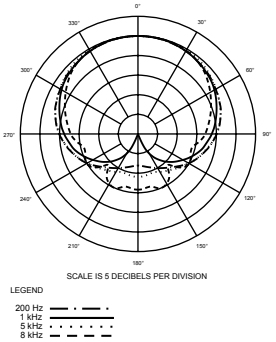
Output from the microphone’s XLRM-type connector is low impedance (Lo-Z) balanced. The signal appears across Pins 2 and 3; Pin 1 is ground (shield). Output phase is “Pin 2 hot” - positive acoustic pressure produces positive voltage at Pin 2.

To avoid phase cancellation and poor sound, all mic cables must be wired consistently: Pin 1-to-Pin 1, etc. For a high-impedance (Hi-Z) mic input, connect a Lo-Z balanced cable to a Hi-Z matching transformer (A-T CP8201 or equal) at the equipment input.

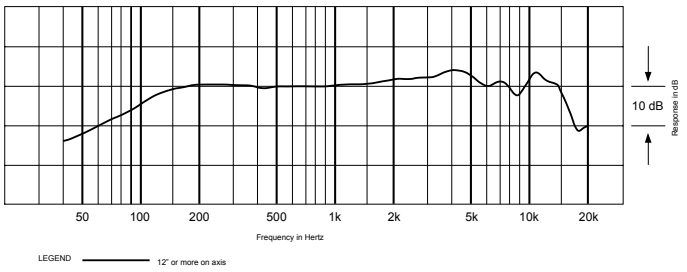
When using the ATM410 in settings with a stage monitor speaker, the speaker should be located 180° off axis (at the rear of the microphone). This placement, in conjunction with the microphone’s uniform cardioid pickup pattern, will virtually eliminate the possibility of undesired audio feedback.

Take care to keep foreign particles from entering the windscreen. An accumulation of iron or steel filings on the diaphragm, and/or foreign material in the windscreen’s mesh surface, can degrade performance.

Polar Pattern



Frequency Response



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FORM No. ATGC-L0030-06-E

ATM410

ARTIST SERIES™

心形指向性动圈式话音话筒

- 专为要求自然及柔和的人声话音收音而开发。
- 心形指向性设计，减低旁边及后方的噪声干扰，提高收音目标的隔离度。
- 专业应用性的耐用表现。
- Hi-ENERGY® 高能量钕硼磁铁，提供更大输出及音质透明度。
- 出色的防回声特性，适合在舞台上使用。
- 优秀的抗震结构，能有效减低手持噪声。
- 多层音头保护网结构，能加强收录爆破声时的保护，又不会影响高音的收音质量。
- Quiet-Flex™ 话筒夹，提供防震、静音的保护，并可调校话筒位置。
- 抗腐蚀的镀金XLRM卡农输出头。
- 全金属结构，坚固、耐用、可长期使用。

话筒的XLRM卡农输出端为低阻抗平衡输出，话筒音频信号最终以卡农公头的2号及3号针脚输出，而1号针脚则为地线(屏蔽)连接。输出相位将以正相位电平设于2号针脚上。

为避免出现相位相互抵消而失真的情况，所有话筒连接时，接线必需以1-1，2-2，3-3型式把针脚连接。如连接高阻抗的话筒输入，请配套阻抗匹配变压器AT8201。

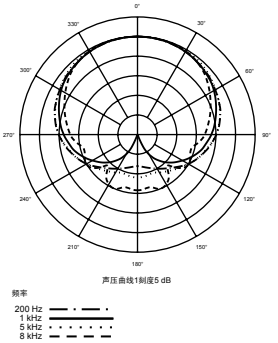
当ATM410话筒及现场监听音箱同时使用时，需要把音箱放置于话筒的180°正后方。在这位置上，由于话筒的心形指向性设计，可减低出现反馈回声的情况。

小心不要把金属碎或铁屑掉进防风罩内，铁屑会吸进收音头磁铁中，或贴在防风罩内，将会影响及减低收音效果。

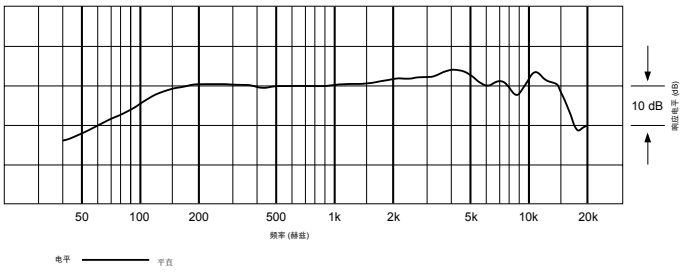
技术指标

收音头	动圈式
指向特性	心形指向性
频率响应	90-16,000 Hz
开通灵敏度	-55 dB (1.7 mV) 以 1V 于 1 Pa
输出阻抗	300 欧姆
重量(不带连线与配件)	233 克
外形尺寸	170.0 mm - 长度, 53.5 mm - 直径
输出连接器	内置 XLRM-3针卡农公头
附属品	AT8470 Quiet-Flex™ - ⅝”-27接头话筒夹， ⅝”-27至⅜”-16转接头，保護袋。

指向特性



频率特性



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