

ATM650

ARTIST SERIES™

HYPERCARDIOID DYNAMIC INSTRUMENT MICROPHONE



SPECIFICATIONS

ELEMENT	Dynamic
POLAR PATTERN	Hypercardioid
FREQUENCY RESPONSE	80-17,000 Hz
OPEN CIRCUIT SENSITIVITY	-56 dB (1.5 mV) re 1V at 1 Pa
IMPEDANCE	300 ohms
WEIGHT (less cable and accessories)	279 g
DIMENSIONS	164.2 mm - long, 38.8 mm - diameter
OUTPUT CONNECTOR	Integral 3-pin XLRM-type
ACCESSORIES FURNISHED	AT8470 Quiet-Flex™ stand clamp for 5/8"-27 threaded stand; 5/8"-27 to 3/8"-16 threaded adapter; Soft protective pouch

- Tailored response for musical instrument pickup-guitar cabinets, snare and other percussion.
- Hypercardioid polar pattern reduces pickup of sounds from the sides and rear, improving isolation of desired sound source.
- Durable performance for professional applications.
- Special dual-wall floating construction reduces handling noise and assures consistent performance from mic to mic.
- Hi-ENERGY® neodymium magnet for improved output and transient response.
- Multi-stage flat grille design is engineered to enable easy placement as close as possible to sound source.
- Corrosion-resistant contacts from gold-plated XLRM-type connector.
- Rugged, all-metal design and construction for years of trouble-free use.

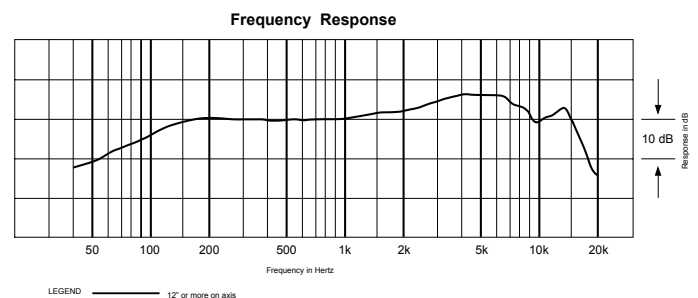
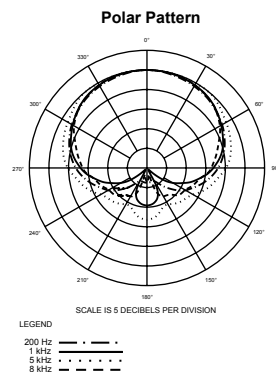
Output from the microphone's XLRM-type connector is low impedance (Lo-Z) balanced. The signal appears across Pins 2 and 3; Pin 1 is ground (shield). Output phase is "Pin 2 hot" - positive acoustic pressure produces positive voltage at Pin 2.

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 ATM650 in settings with a stage monitor speaker, the speaker should be located 135° off axis (45° off rear of the microphone). This placement, in conjunction with the microphone's uniform hypercardioid 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.

Note: Remove the rubber sleeve at the base of the microphone handle to use the AT8471 isolation stand clamp (not included) for more secure, permanent installation.



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FORM No. ATGC-L0027-06-E

ATM650

ARTIST SERIES™

超心形指向性动圈式乐器话筒



技术指标

收音头	动圈式
指向特性	超心形指向性
频率响应	80-17,000 Hz
开通灵敏度	-56 dB (1.5 mV) 以 1V 于 1 Pa
输出阻抗	300 欧姆
重量 (不带连线与配件)	279 克
外形尺寸	164.2 mm - 长度, 38.8 mm - 直径
输出连接器	内置 XLRM-3针卡农公头
附属品	AT8470 Quiet-Flex™ - 5/8"-27接头 话筒夹, 5/8"-27至3/8"-16转接头, 保护袋。

- 专为结他、小鼓及其他敲击乐器等作收音而开发。
- 超心形指向性设计，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。
- 使用浮动式双筒抗震垫设计，减至最少的手持摩擦噪声，并可维整体重量平衡。
- Hi-ENERGY® 高能量钕硼磁铁，提供更大输出及音质透明度。
- 多层平面式音头保护网结构，能加强收录爆破声时的保护，又不会影响高音的收音质量。
- 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。

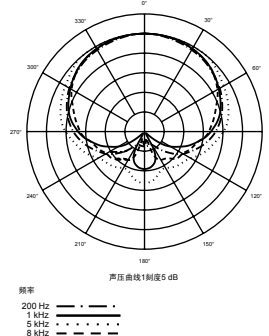
为避免出现相位相互抵消而失真的情况，所有话筒连接时，接线必需以1-1，2-2，3-3型式把针脚连接。如连接高阻抗的话筒输入，请配套阻抗匹配变压器AT8201。

当ATM650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135°后方(正后方的45°位置)。在这位置上，由于话筒的超心形指向性设计，可减低出现反馈回声的情况。

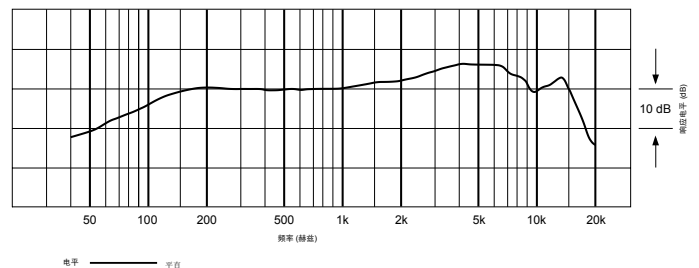
小心不要把金属碎或铁屑掉进防风罩内，铁屑会吸进收音头磁铁中，或贴在防风罩内，将会影响及减低收音效果。

备注：可除掉话筒底部的橡胶套筒，而换上AT8471防震话筒套(选配件)，可作为更稳固及永久安装使用。

指向特性



频率特性



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