

ATM75

ARTIST SERIES™

CARDIOID CONDENSER HEADWORN MICROPHONE



- Professional-quality vocal pickup with hands-free operation.
- Low-visibility headband provides stable, comfortable fit.
- Pivot-mounted flexible mic boom descends from left or right side.
- Belt-mounted power module operates on battery or phantom power.
- Cardioid polar pattern improving isolation of desired sound source.
- Also available as: ATM75cW - less power module; 1.4m cable terminated with locking 4-pin connector for A-T UniPak™ wireless systems.

The ATM75 required 11V to 52V DC phantom power or a 1.5V AA battery for operation. A battery need not be in place for phantom power operation.

Battery installation: Remove the cap from the top of the power module. Insert a fresh 1.5V AA battery (“+” end toward the cap release button), then reassemble the power module. Alkaline batteries are recommended for longest life. Remove the battery during long-term storage.

Output from the power module’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.

An integral 80Hz high-pass UniSteep® 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.

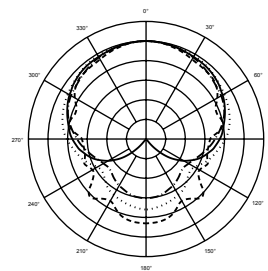
For maximum stability and minimum visibility, the adjustable headband should be worn around the back of the head, with each cushioned support pad resting on the temple in front of the ear. The cable should remain clipped to the headband, with slack at the boom connection.

Avoid leaving the microphone in the open sun or in areas where temperatures exceed 40°C for extended periods. Extremely high humidity should also be avoided.

SPECIFICATIONS

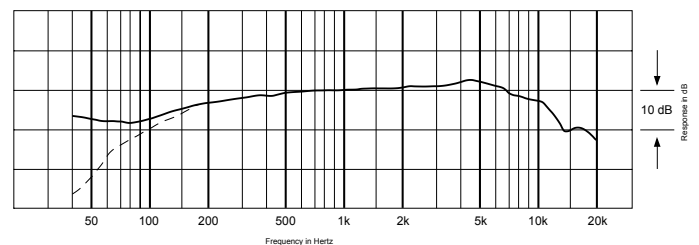
ELEMENT	Fixed-charge back plate permanently polarized condenser	
POLAR PATTERN	Cardioid	
FREQUENCY RESPONSE	100-13,000 Hz	
LOW FREQUENCY ROLL-OFF	80 Hz, 18 dB/octave	
OPEN CIRCUIT SENSITIVITY (Phantom / Battery)	-51 dB (2.8 mV) / -53 dB (2.2 mV) re 1V at 1 Pa	
IMPEDANCE (Phantom / Battery)	200 ohms / 270 ohms	
MAXIMUM INPUT SOUND LEVEL (Phantom / Battery)	132 dB / 121 dB SPL, 1 kHz at 1% T.H.D.	
DYNAMIC RANGE (typical) (Phantom / Battery)	96 dB / 85 dB, 1 kHz at Max SPL	
SIGNAL-TO-NOISE RATIO	58 dB, 1 kHz at 1 Pa	
PHANTOM POWER REQUIREMENTS	11-52V DC, 2 mA typical	
BATTERY TYPE	1.5V AA/UM3	
BATTERY CURRENT/LIFE	0.4 mA / 1200 hours typical (alkaline)	
SWITCHES	Off, on-flat, on-roll-off	
WEIGHT	MICROPHONE	60 g
	POWER MODULE	139 g
DIMENSIONS	HEADSET	120.0 mm - nominal at widest point, 80.5 mm - flexible boom,
	MICROPHONE	20.4 mm - diameter,
	POWER MODULE	84.0(H) x 63.0(W) x 22.9(D) mm
OUTPUT CONNECTOR	Integral 3-pin XLRM-type	
CABLE	1.4 m long (permanently attached to microphone), 2.8 mm diameter, 2-conductor shielded cable with TA3F-type connector	
ACCESSORIES FURNISHED	AT8531 power module; AT8439 clothing clip; AT8139L large windscreen; AT8139S small windscreen; battery	

Polar Pattern



LEGEND
200 Hz ————
1 kHz ————
5 kHz - - - - -
8 kHz - - - - -

Frequency Response



LEGEND ———— 12" or more on axis
- - - - - Roll-off

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ARTIST SERIES™

心形指向性头戴夹式话筒



- 专业质量的免提型话音收音性能。
- 不显眼头环设计，提供稳定及舒适的操作。
- 采用可自由改变电线位置的设计，左右方向都可使用。
- 配置盒式供电模组，可使用电池或幻象供电操作。
- 心形指向性收音，能有效减低旁边及后方的杂声干扰。
- 设有ATM75cW型号 - 不设供电模组，1.4m长连线，专为鐵三角UniPak™无线系统使用。

ATM75应用于专业收音工作，需要提供11V至52V幻象供电或1.5V AA电池操作，当使用幻象电源操作时，可以不安装电池。

安装电池时，把供电模组顶部的电池盒盖打开，确认电池的极性(跟随电池盒内的标记)，放入一枚新的1.5V AA电池，再盖回电池盖。建议使用碱性电池，而长时间不使用时，请把电池取出。

供电模组的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。

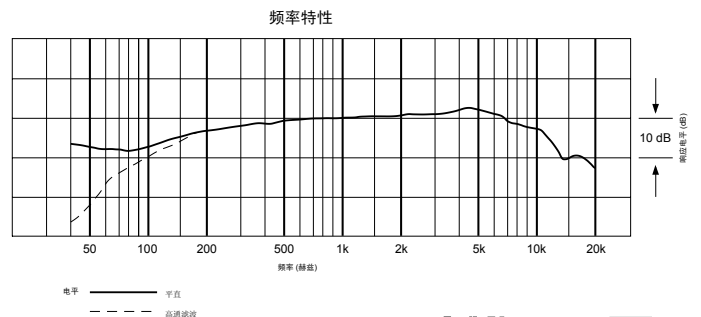
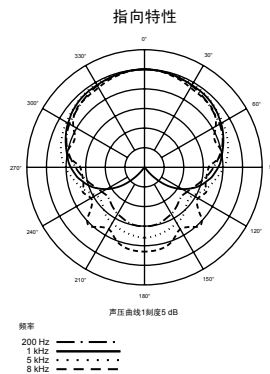
内置UniSteep®高通滤波电路，可轻易由平直的频率响应，开启为于80 Hz以下衰减的收音效果，应用高通滤波器可减低话筒在近距离讲话收音时的喷气声，并可减低收音环境中低频噪声(如外间汽车引擎声，空调系统的风声等)，房间中的回声及机械性的震动声。

作出最大的稳定性及最小的阻碍，请把话筒头环调校至头的后方，并把两旁的垫子轻贴在太阳穴的位置。连接线应夹持于头环上，并应提供一些松弛给话筒杆活动。

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。

技术指标

收音头	固定充电背板，静电型电容式	
指向特性	心形指向性	
频率响应	100-13,000 Hz	
高通滤波	80 Hz, 18 dB/octave	
开通灵敏度	(幻象供电 / 电池) -51 dB (2.8 mV) / -53 dB (2.2 mV) 以 1V 于 1 Pa	
输出阻抗	(幻象供电 / 电池) 200 / 270 欧姆	
最大承受声压	(幻象供电 / 电池) 132 dB / 121 dB 声压, 1 kHz 于 1% T.H.D.	
动态范围	(幻象供电 / 电池) 96 dB / 85 dB, 1 kHz 于最高声压	
讯噪比	58 dB, 1 kHz 于 1 Pa	
幻象供电	直流 11-52V, 耗电 2 mA 典型	
电池种类	1.5V AA型 5号电池	
耗电/电池寿命	0.4 mA / 1200小时 (碱性电池)	
开关	关闭、开启-平直、开启-高通滤波	
重量	话筒 / 供电模组	60 克 / 139 克
外形尺寸	头环	120.0 mm - 宽度, 80.5 mm - 话筒杆
	话筒	20.4 mm - 直径
	供电模组	84.0(高) x 63.0(宽) x 22.0(厚) mm
输出连接器 - 供电模组	内置 XLRM-3针卡农公头	
连线	1.4 m - 长, 2.8 mm - 直径, 话筒固定连接，一端为TA3F屏蔽接头。	
附属品	AT8531 供电模组; AT8439 夹子; AT8139L 大防风棉; AT8139S 小防风棉; 电池	



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