

U857Q / U857QM / U857QL

unipoint®

CARDIOID CONDENSER QUICK-MOUNT GOOSENECK MICROPHONE



- Designed for high-quality sound reinforcement, professional recording and broadcasting.
- Superior off-axis rejection for maximum gain before feedback.
- UniGuard™ RFI-shielding technology offers outstanding rejection of radio frequency interference (RFI).
- Easy-to-adjust, rugged, small-diameter, alternating gooseneck with virtually no “memory” permits quick positioning into desired shape.
- UniSteep® filter provides a steep low-frequency attenuation to improve sound pickup without affecting voice quality.
- Self-contained electronics eliminate need for external power module.
- Accepts interchangeable elements to permit angle of acceptance from 90° to 360°.
- Two-stage foam windscreen yields dramatically improved resistance to P-pops and other breath blasts.
- Quick-mount design with 3-pin XLRM-type connector insert at base plugs into any standard XLRF-type surface or cable connector.
- Optional shock mount attenuates noise, shock and vibration transmitted through the mounting surface.

The U857Q stands 365mm from the table or podium, it is also available in a 419mm version as U857QM and 481mm version as U857QL. The three models are identical in all other respects and require 11V to 52V phantom power for operation.

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.

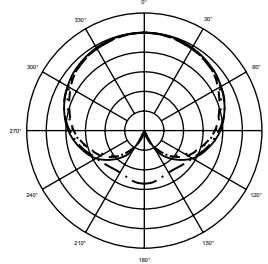
At integral 80 Hz high-pass UniSteep® filter provides easy switching from a flat frequency response to a low-end roll-off. The roll-off position reduces the microphone's sensitivity to popping in close vocal use. It also reduces the pickup of low-frequency ambient noise (such as traffic, air-handling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

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

SPECIFICATIONS

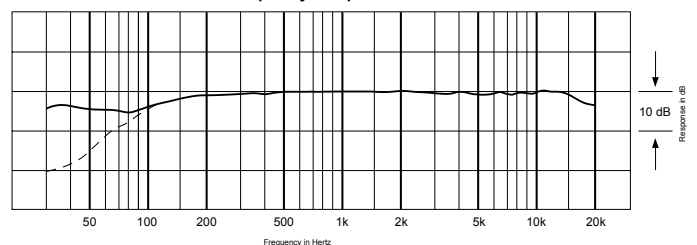
ELEMENT	Fixed-charge back plate permanently polarized condenser	
POLAR PATTERN	Cardioid	
FREQUENCY RESPONSE	30-20,000 Hz	
LOW FREQUENCY ROLL-OFF	80 Hz, 18 dB/octave	
OPEN CIRCUIT SENSITIVITY	-39 dB (11.2 mV) re 1V at 1 Pa	
IMPEDANCE	250 ohms	
MAXIMUM INPUT SOUND LEVEL	139 dB SPL, 1 kHz at 1% T.H.D.	
DYNAMIC RANGE (TYPICAL)	115 dB, 1 kHz at Max SPL	
SIGNAL-TO-NOISE RATIO	70 dB, 1 kHz at 1 Pa	
PHANTOM POWER REQUIREMENTS	11-52V DC, 2 mA typical	
SWITCH	Flat, roll-off	
WEIGHT	U857Q	144 g
	U857QM	147 g
	U857QL	150 g
DIMENSIONS	U857Q	365 mm - long
	U857QM	419 mm - long
	U857QL	481 mm - long,
	BOTH	12.2 mm - head diameter
OUTPUT CONNECTOR	Integral 3-pin XLRM-type	
OPTIONAL INTERCHANGEABLE ELEMENTS	UE-C cardioid (120°) UE-H hypercardioid (100°) UE-O omnidirectional (360°) UE-UL UniLine™ (90°)	
ACCESSORIES FURNISHED	AT8153 two-stage foam windscreen	

Polar Pattern



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

Frequency Response



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

Optional Accessories:

- AT8662 shock mount.
- AT8506 four-channel 48V phantom power supply (AC powered).
- AT8615 quick-mount plug-in microphone desk stand.
- AT8801/EU single-channel 48V phantom power supply (AC powered).

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心形指向性 快速安装式 专业型鹅颈式会议话筒



- 设计于高质量收音、专业录音、电视广播、会议等高要求的收音应用。
- 良好的隔音设计，在最大增益时仍能避免啸叫声的出现。
- UniGuard™ - 射频干扰(RFI)屏蔽技术，提供杰出的防止射频干扰能力，避免收音时受到如手提电话等的干扰。
- 易于调节、耐用、细小、可反覆摆动而没有“记忆”效果的鹅颈弯曲结构，可快速及随意地把话筒收音头固定在合适的位置。
- UniSteep® - 高通滤波器，提供了一个高效能的高通滤波，把低频噪声作出衰减而无损语音的收音质量。
- 内置话筒前置放大器供电组件，无需使用外置供电模组。
- 更换式的收音头设计，可选配适合的收音头配合实际的应用，收音角度可由90°至360°。
- 附有双层式防风海棉罩，可减低在讲话时收到不雅的喷气声及其他风声的情况出现。
- 快速安装设计，在话筒接线端为标准的3针卡农公头XLRM，可连接到任何以3针卡农母头XLR设计的会议话筒座上，亦可在有需要时直接连线到调音台上。
- 可选配桌面防震话筒座，把话筒固定在桌面或其他板面上，并能减低碰撞平面时产生的敲击声及震动声。

U857Q 全长为365mm，可安装在桌面或控制板上使用。另外，U857QM 全长为419mm和U857QL 全长为481mm，而三个型号的其他细节均相同，并同样以直流11V至52V 幻象供电工作。

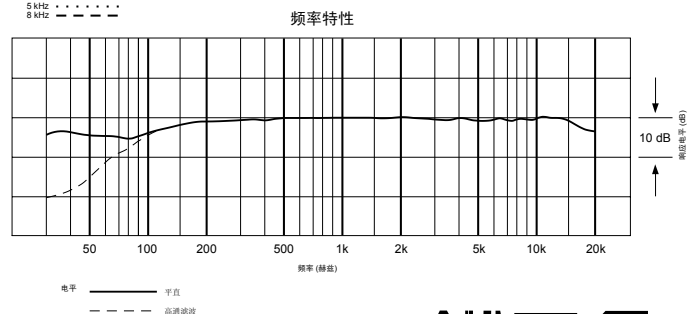
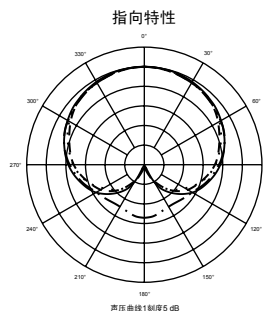
低阻抗的平衡音频输出，音频信号以卡农公头的2号及3号针脚输出，而1号针脚则为地线(屏蔽)连接。输出相位将以正相位电平设于2号针脚上。

内置高质量 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。

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	心形单指向性	
频率响应	30-20,000 Hz	
高通滤波	80 Hz, 18 dB/octave	
开通灵敏度	-39 dB (11.2 mV) 以 1V 于 1 Pa	
输出阻抗	250 欧姆	
最大承受声压	139 dB 声压, 1 kHz 于 1% T.H.D.	
动态范围 (典型)	115 dB, 1 kHz 于最高声压	
讯噪比	70 dB, 1 kHz 于 1 Pa	
幻象供电	直流 11-52V, 耗电 2 mA 典型	
开关	平直, 高通滤波	
重量	U857Q	144 克
	U857QM	147 克
	U857QL	150 克
外形尺寸	U857Q	365 mm - 长
	U857QM	419 mm - 长
	U857QL	481 mm - 长,
	共同为	12.2 mm - 收音头直径
输出连接器	内置式3针卡农公头	
可转换收音头	UE-C 心形指向 (120°) UE-H 超心形指向 (100°) UE-O 全方向性 (360°) UE-UL UniLine™ 超指向性 (90°)	
附属品	AT8153 双层式防风海棉罩	



- 选择配件：
AT8662 防震座。
AT8506 四通48V幻象供电(交流供电)。
AT8615 座桌快速安装话筒座。
AT8801/EU 单通道48V幻象供电(交流供电)。



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