U859QL

unipoint®

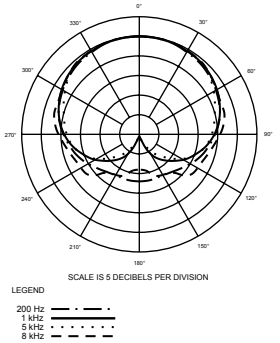
CARDIOID CONDENSER QUICK-MOUNT GOOSENECK MICROPHONE

- Designed for high-quality sound reinforcement, professional recording and broadcasting.
- Superior off-axis rejection for maximum gain before feedback.
- Easy-to-adjust, rugged, small-dimeter, 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.
- 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.

SPECIFICATIONS

ELEMENT	Fixed-charge back plate permanently polarized condenser
POLAR PATTERN	Cardioid
FREQUENCY RESPONSE	100-16,000 Hz
LOW FREQUENCY ROLL-OFF	80 Hz, 18 dB/octave
OPEN CIRCUIT SENSITIVITY	-43 dB (7.0 mV) re 1V at 1 Pa
IMPEDANCE	250 ohms
MAXIMUM INPUT SOUND LEVEL	140 dB SPL, 1 kHz at 1% T.H.D.
DYNAMIC RANGE (TYPICAL)	111 dB, 1 kHz at Max SPL
SIGNAL-TO-NOISE RATIO	65 dB, 1 kHz at 1 Pa
PHANTOM POWER REQUIRMENTS	11-52V DC, 2 mA typical
SWITCH	Flat, roll-off
WEIGHT	152 g
DIMENSIONS	480 mm - long, 12.3 mm - head diameter, 18.9 mm - base diameter
OUTPUT CONNECTOR	Integral 3-pin XLRM-type
ACCESSORIES FURNISHED	AT8153 two-stage foam windscreen

Polar Pattern



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).

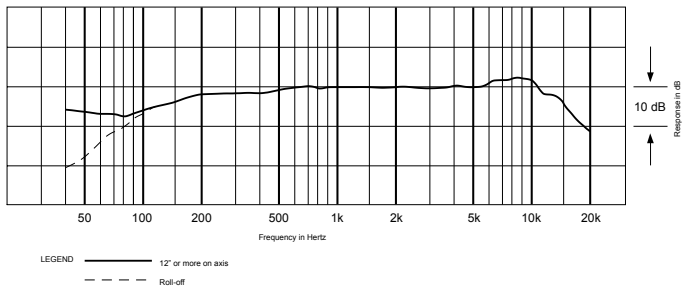
The U859QL stands 480mm from the table or podium, and require 11V to 52V phantom power for operation.

Output from the microphone's XLRM-type connector is low impedance (Lo-Z) balanced. The signal appears scross 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 reveberation and mechanically coupled vibrations.

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

Frequency Response



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U859QL

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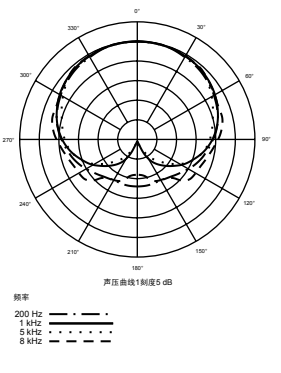
心形指向性 快速安装式
专业型鹅颈式会议话筒

- 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。
- 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话音的收音质量。
- 内置话筒前置放大器供电组件，无需使用外置供电模组。
- 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，可连接到以任何以3针卡农母头XLRF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，把话筒固定安装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。

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	100-16,000 Hz
高通滤波	80 Hz, 18 dB/octave
开通灵敏度	-43 dB (7.0 mV) 以 1V 于 1 Pa
输出阻抗	250 欧姆
最大承受声压	140 dB 声压, 1 kHz 于 1% T.H.D.
动态范围 （典型）	111 dB, 1 kHz 于最高声压
讯噪比	65 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	152 克
外形尺寸	480 mm - 长 12.3 mm - 收音头直径， 18.9 mm - 底部插头直径
输出连接器	内置式3针卡农公头
附属品	AT8153 双层式防风海棉罩

指向特性



选择配件:

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

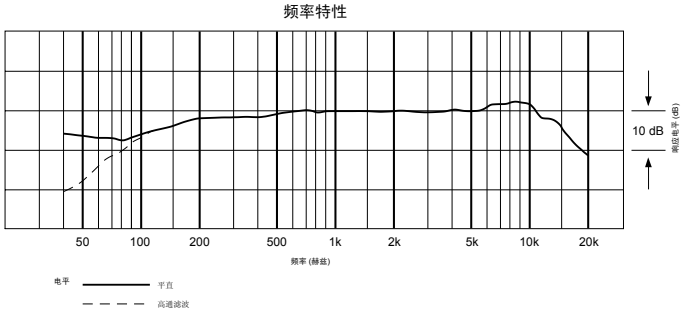
U859QL 全长为480mm，可安装在桌面或控制板上使用。以直流11V 至52V 幻象供电工作。

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。

频率特性



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