

U857A / U857AL

unipoint®

CARDIOID CONDENSER ADAPTER-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.
- 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.
- Direct mounts to any 5/8"-27 stand, or to included threaded mounting flange.

The U857A stands 305mm from the table or podium, it is also available in a 421mm version as U857AL. The two models are identical in all other respects.

The microphone requires 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.

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.

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.

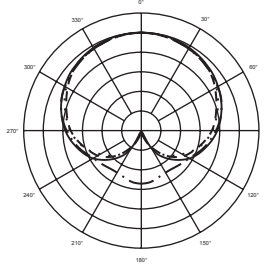
The microphone features a 3m permanently attached miniature cable. It connects to provided AT8531 power module via a special TA3F-type connector designed to optimize RFI immunity.

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 (Phantom / Battery)	-42 dB (7.9 mV) re 1V at 1 Pa -43 dB (7.0 mV) re 1V at 1 Pa	
IMPEDANCE (Phantom / Battery)	200 ohms / 270 ohms	
MAXIMUM INPUT SOUND LEVEL (Phantom / Battery)	133 dB / 123 dB SPL, 1 kHz at 1% T.H.D.	
DYNAMIC RANGE (TYPICAL)	109 dB / 99 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	
BATTERY TYPE	1.5V AA/UM3	
BATTERY CURRENT / LIFE	0.4 mA / 1200 hrs typical (alkaline)	
SWITCH	Off, on-flat, on-roll-off	
WEIGHT	U857A	124 g
	U857AL	131 g
	POWER MODULE	139 g
DIMENSIONS	U857A	305 mm - long
	U857AL	421 mm - long,
	BOTH	12.2 mm - head diameter
	POWER MODULE	84 mm(H) x 63 mm(W) x 22 mm (D)
OUTPUT CONNECTOR	Integral 3-pin XLRM-type	
CABLE	3m long, 3.2mm diameter, 2-conductor shielded cable with TA3F-type connector	
OPTIONAL INTERCHANGEABLE ELEMENTS	UE-C cardioid (120°) UE-H hypercardioid (100°) UE-O omnidirectional (360°) UE-UL UniLine™ (90°)	
ACCESSORIES FURNISHED	AT8531 power module; AT8153 two-stage foam windscreen Cable; Battery	

Polar Pattern



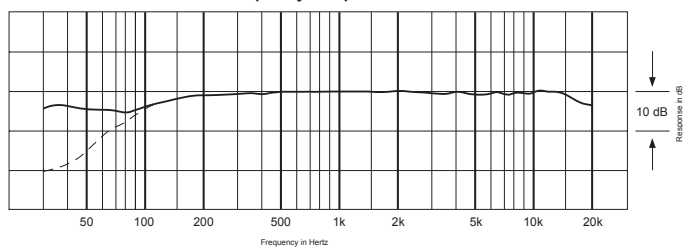
SCALE IS 5 DECIBELS PER DIVISION

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

Optional Accessories:

- AT8601 Desk stand.
- AT8614 Desk stand with thru-hole.
- AT8506 four-channel 48V phantom power supply (AC powered).
- AT8801/EU single-channel 48V phantom power supply (AC powered).

Frequency Response



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

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U857A / U857AL

unipoint®

心形指向性 螺帽安装式 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、可反复摆动而没有“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。
- 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。
- 螺帽安装设计，可直接把话筒安装在任何5/8"-27的话筒架或配合螺帽附件安装于桌面上。

U857A 全长为305mm，可安装在桌面或话筒架上使用。另外，U857AL 全长为421mm，而两个型号的其他细节均相同。

话筒使用直流11V 至52V 幻象供电或一枚1.5V AA 3号电池供电操作，当使用幻象供电时，可不用安装电池。

建议使用硷性电池工作，当长期不使用电池时，请把电池取出。

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。

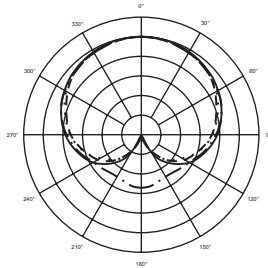
话筒配置3m长的固定式连接线，以防射频干扰的TA3F插头连接于AT8531供电设备上。

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	(幻象供电) (电池)	-42 dB (7.9 mV) 以 1V 于 1 Pa -43 dB (7.0 mV) 以 1V 于 1 Pa
输出阻抗(幻象供电/电池)	200 欧姆 / 270 欧姆	
最大承受声压(幻象供电/电池)	133 dB / 123 dB 声压, 1 kHz 于 1% T.H.D.	
动态范围(典型)	109 dB / 99 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	
电池种类	1.5V AA 3号电池	
电池耗电量 / 电池寿命	0.4 mA / 1200 小时(典型硷性电池)	
开关	关闭, 平直, 高通滤波	
重量	U857A U857AL 供电模组	124 克 131 克 139 克
外形尺寸	U857A U857AL 共同为 供电模组	305 mm - 长 421 mm - 长, 12.2 mm - 收音头直径 84 mm(高)x 63 mm(宽)x 22 mm(厚)
输出连接器	内置式3针卡农公头	
连接线	3m 长, 3.2 mm 直径连接线, 2蕊线连屏蔽电线, 以TA3F插头连接	
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	AT8531 双供电模组 AT8153 双层防风海棉罩 连接线, 电池	

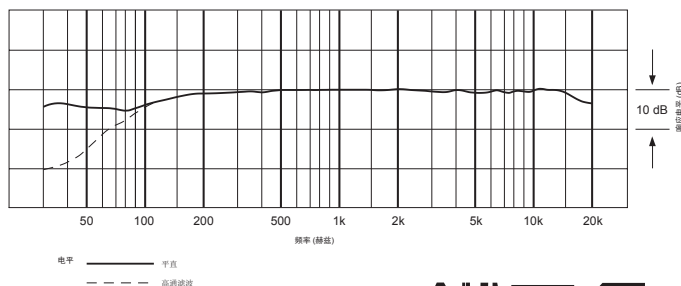
指向特性



选择配件:

- AT8601 座桌式话筒座。
- AT8614 座桌式话筒座(带穿孔)。
- AT8506 四通48V幻象供电设备(交流供电)。
- AT8801/EU 单通道48V幻象供电设备(交流供电)。

频率特性



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