

## 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 "27 stand, or to included threaded mounting flange.

The U857R stands 305mm from the table or podium, it is also available in a 421mm version as U857RL. The two models are identical in all other respects.

The microphone requires 11V to 52V DC phantom power for operation.

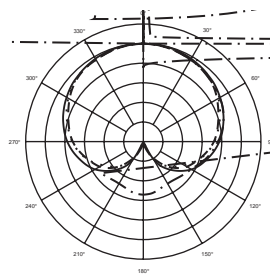
Output from the power module's XLRM-type connector is low impedance (Lo-Z) balanced. The signal appears across Pins 2 and 3; Pin 1 is ground (shield). Output phase is "Pin 2 hot" - positive acoustic pressure produces positive voltage at Pin 2.

At integral 80 Hz high-pass UniSteep® filter provides easy switching from a fat 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 AT8538 power module via a special TA3F-type connector designed to optimize RFI immunity.

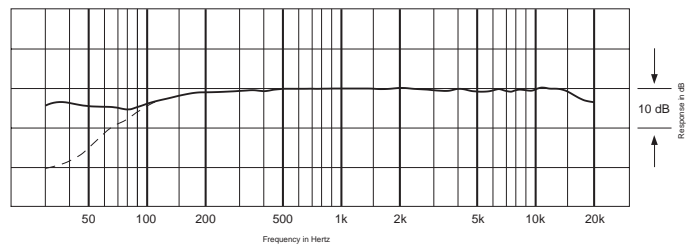
Avoid leaving the microphone in the open sun or in areas where temperatures exceed 43°C for extended periods. Extremely high humidity should also be avoided.

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	U857R	124 g
	U857RL	131 g
	POWER MODULE	81 g
DIMENSIONS	U857R	305 mm - long
	U857RL	421 mm - long,
	BOTH	12.2 mm - head diameter
	POWER MODULE	92.9 mm - long, 18.9 mm - diameter
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	AT8538 power module; AT8153 two-stage foam windscreen Cable	



SCALE IS 5 DECIBELS PER DIVISION

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



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

- 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).

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-							
- UniGuard™ -	(RFI)						
-	" "						
- UniSteep® -							
-							
-	90° 360°						
-							
-	"-27						

30-20,000 Hz  
 80 Hz, 18 dB/octave  
 -39 dB (11.2 mV) 1V 1 Pa  
 250  
 139 dB , 1 kHz 1% T.H.D.  
 115 dB, 1 kHz  
 70 dB, 1 kHz 1 Pa  
 11-52V 2 mA

U857R 124  
 U857RL 131  
 81  
 U857R 305 mm -  
 U857RL 421 mm -  
 12.2 mm -  
 92.9 mm - x 18.9 mm  
 3  
 3m 3.2 mm  
 2  
 TA3F  
 UE-C (120°)  
 UE-H (100°)  
 UE-O (360°)  
 UE-UL UniLine™ (90°)¾

U857R 305mm  
 U857RL 421mm

11V 52V

2 3

1 ( )  
 2

UniSteep®  
 80 Hz

( )

3m  
 AT8538

TA3F

43°C