

U857R/U857RL CARDIOID CONDENSER ADAPTER-MOUNT GOOSENECK MICROPHONES



- 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 U857R stands 12.01" (305.0 mm) from the table or podium; it is also available in a 16.58" (421.0 mm) version as U857RL. The two models are identical in all other respects.

The U857R requires 11V to 52V 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.

An 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 U857R features a 9.8' (3.0 m) permanently attached miniature cable. It connects to the provided AT8538 power module via a special TA3F-type connector designed to optimize RFI immunity. Cable exit is from the bottom of the microphone. The included pass-through adapter, designed for use with desk stands and microphone stands, provides a side-exit for the cable.

Avoid leaving the microphone in the open sun or in areas where temperatures exceed 110° F (43° C) for extended periods. Extremely high humidity should also be avoided.

NOTE: Audio-Technica has developed a special RFI-shielding mechanism, which is an integral part of the connectors in the UniPoint line. If you remove or replace the connector, you may adversely affect the unit's RFI immunity.

U857R/U857RL SPECIFICATIONS†

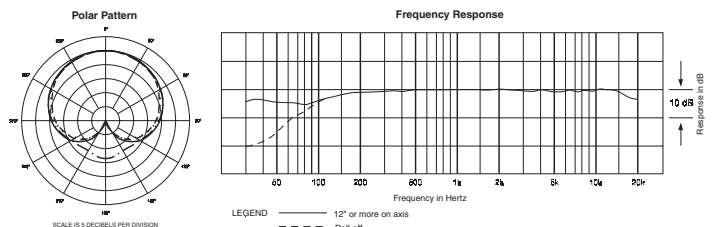
ELEMENT	Fixed-charge back plate permanently polarized condenser
POLAR PATTERN	Cardioid
FREQUENCY RESPONSE	30-20,000 Hz
LOW FREQUENCY ROLL-OFF	80 Hz, 18 dB/octave
OPEN CIRCUIT SENSITIVITY	-39 dB (11.2 mV) re 1V at 1 Pa*
IMPEDANCE	250 ohms
MAXIMUM INPUT SOUND LEVEL	139 dB SPL, 1 kHz at 1% T.H.D.
DYNAMIC RANGE (typical)	115 dB, 1 kHz at Max SPL
SIGNAL-TO-NOISE RATIO¹	70 dB, 1 kHz at 1 Pa*
PHANTOM POWER REQUIREMENTS	11-52V DC, 2 mA typical
SWITCH	Flat, roll-off
WEIGHT	
U857R	4.4 oz (124 g)
U857RL	4.6 oz (131 g)
POWER MODULE	2.9 oz (81 g)
DIMENSIONS	
U857R	12.01" (305.0 mm) long
U857RL	16.58" (421.0 mm) long
BOTH	0.48" (12.2 mm) head diameter
POWER MODULE	3.66" (92.9 mm) long, 0.74" (18.9 mm) diameter
OUTPUT CONNECTOR (power module)	Integral 3-pin XLRM-type
CABLE	9.8' (3.0 m) long (permanently attached to microphone), 0.13" (3.2 mm) diameter, 2-conductor, shielded cable with TA3F-type connector
OPTIONAL INTERCHANGEABLE ELEMENTS	UE-H hypercardioid (100°); UE-O omnidirectional (360°); UE-UL UniLine™ (90°)
ACCESSORIES FURNISHED	AT8538 power module; AT8663 A-mount flange; AT8664 A-mount cable pass-through adapter; AT8153 two-stage foam windscreen

†In the interest of standards development, A.T.U.S. offers full details on its test methods to other industry professionals on request.

*1 Pascal = 10 dynes/cm² = 10 microbars = 94 dB SPL

¹ Typical, A-weighted, using Audio Precision System One.

Specifications are subject to change without notice.



Audio-Technica U.S., Inc., 1221 Commerce Drive, Stow, Ohio 44224
Audio-Technica Limited, Old Lane, Leeds LS11 8AG England

www.audio-technica.com

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