



- 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†

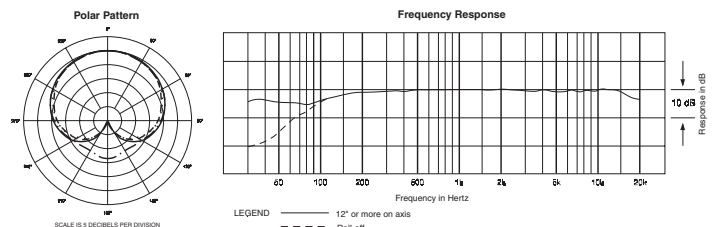
<b>ELEMENT</b>	Fixed-charge back plate permanently polarized condenser
<b>POLAR PATTERN</b>	Cardioid
<b>FREQUENCY RESPONSE</b>	30-20,000 Hz
<b>LOW FREQUENCY ROLL-OFF</b>	80 Hz, 18 dB/octave
<b>OPEN CIRCUIT SENSITIVITY</b>	-39 dB (11.2 mV) re 1V at 1 Pa*
<b>IMPEDANCE</b>	250 ohms
<b>MAXIMUM INPUT SOUND LEVEL</b>	139 dB SPL, 1 kHz at 1% T.H.D.
<b>DYNAMIC RANGE (typical)</b>	115 dB, 1 kHz at Max SPL
<b>SIGNAL-TO-NOISE RATIO<sup>1</sup></b>	70 dB, 1 kHz at 1 Pa*
<b>PHANTOM POWER REQUIREMENTS</b>	11-52V DC, 2 mA typical
<b>SWITCH</b>	Flat, roll-off
<b>WEIGHT</b>	
U857R	4.4 oz (124 g)
U857RL	4.6 oz (131 g)
<b>POWER MODULE</b>	2.9 oz (81 g)
<b>DIMENSIONS</b>	
U857R	12.01" (305.0 mm) long
U857RL	16.58" (421.0 mm) long
<b>BOTH</b>	0.48" (12.2 mm) head diameter
<b>POWER MODULE</b>	3.66" (92.9 mm) long, 0.74" (18.9 mm) diameter
<b>OUTPUT CONNECTOR (power module)</b>	Integral 3-pin XLRM-type
<b>CABLE</b>	9.8' (3.0 m) long (permanently attached to microphone), 0.13" (3.2 mm) diameter, 2-conductor, shielded cable with TA3F-type connector
<b>OPTIONAL INTERCHANGEABLE ELEMENTS</b>	UE-H hypercardioid (100°); UE-O omnidirectional (360°); UE-UL UniLine™ (90°)
<b>ACCESSORIES FURNISHED</b>	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/cm<sup>2</sup> = 10 microbars = 94 dB SPL

<sup>1</sup> Typical, A-weighted, using Audio Precision System One.

Specifications are subject to change without notice.



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