



- 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
- Operates on battery or phantom power

The U857AL 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.

**Battery installation:** Remove the cap from the top of the power module. Insert a fresh 1.5V AA battery ("+" end toward the cap release button), then reassemble the power module. 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.

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 U857AL features a 9.8' (3.0 m) permanently attached miniature cable. It connects to the provided AT8531 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.

**U857AL 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> (Phantom / Battery)	-42 dB (7.9 mV) / -43 dB (7.0 mV) re 1V at 1 Pa*
<b>IMPEDANCE</b> (Phantom / Battery)	200 ohms / 270 ohms
<b>MAXIMUM INPUT SOUND LEVEL</b> (Phantom / Battery)	133 dB / 123 dB SPL, 1 kHz at 1% T.H.D.
<b>DYNAMIC RANGE</b> (typical) (Phantom / Battery)	109 dB / 99 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>BATTERY TYPE</b>	1.5V AA/UM3
<b>BATTERY CURRENT/LIFE</b>	0.4 mA / 1200 hours typical (alkaline)
<b>SWITCH</b>	Off, on-flat, on-roll-off
<b>WEIGHT</b>	
<b>MICROPHONE</b>	4.6 oz (131 g)
<b>POWER MODULE</b>	4.9 oz (139 g)

<b>DIMENSIONS</b>	
<b>MICROPHONE</b>	16.58" (421.0 mm) long, 0.48" (12.2 mm) head diameter
<b>POWER MODULE</b>	3.31" (84.0 mm) H x 2.48" (63.0 mm) W x 0.87" (22.0 mm) D

<b>OUTPUT CONNECTOR</b> (power module)	Integral 3-pin XLRM-type
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<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
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<b>OPTIONAL INTERCHANGEABLE ELEMENTS</b>	UE-H hypercardioid (100°); UE-O omnidirectional (360°); UE-UL UniLine™ (90°)
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<b>ACCESSORIES FURNISHED</b>	AT8531 power module; AT8153 two-stage foam windscreen; AT8663 A-mount flange; AT8664 A-mount cable pass-through adapter; battery
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\*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.

