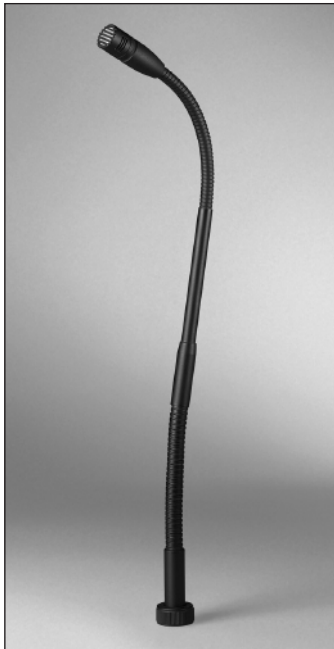


U857R/U857RL CARDIOID CONDENSER ADAPTER-MOUNT GOOSENECK MICROPHONES

unipoint



- 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†

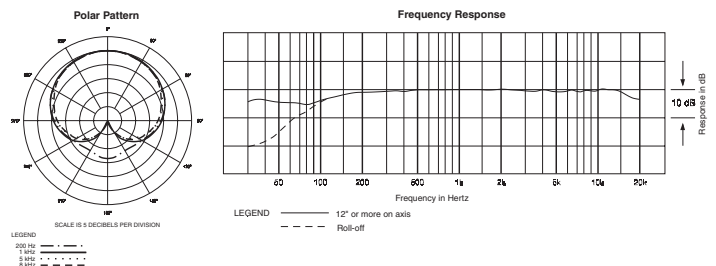
| | |
|---|---|
| ELEMENT | Fixed-charge back plate permanently polarized condenser |
| POLAR PATTERN | Cardioid |
| FREQUENCY RESPONSE | 30-20,000 Hz |
| LOW FREQUENCY ROLL-OFF | 80 Hz, 18 dB/octave |
| OPEN CIRCUIT SENSITIVITY | -39 dB (11.2 mV) re 1V at 1 Pa* |
| IMPEDANCE | 250 ohms |
| MAXIMUM INPUT 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

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