

U857QLU

unipoint®

UNILINE™ CONDENSER QUICK-MOUNT GOOSENECK MICROPHONE



- Designed for high-quality sound reinforcement, professional recording and broadcasting.
- UniLine™ polar pattern provides narrow 90° acceptance angle.
- 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.
- Self-contained electronics eliminate need for external power module.
- 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.

- Quick-mount design with 3-pin XLRM-type connector insert at base plugs into any standard XLRF-type surface or cable connector.

- Optional shock mount attenuates noise, shock and vibration transmitted through the mounting surface.

The U857QLU stands 603mm from the table or podium. The model is require 11V to 52V phantom power for operation.

Output from the microphone'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.

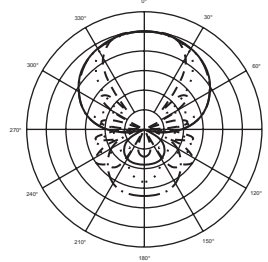
At integral 80 Hz high-pass UniSteep® filter provides easy switching from a fat frequency response to a low-end roll-off. The roll-off position reduces the microphone's sensitivity to popping in close vocal use. It also reduces the pickup of low-frequency ambient noise (such as traffic, air-handling systems, etc.), room reverberation and mechanically coupled vibrations.

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.

SPECIFICATIONS

ELEMENT	Fixed-charge back plate permanently polarized condenser
POLAR PATTERN	Line Cardioid
FREQUENCY RESPONSE	30-20,000 Hz
LOW FREQUENCY ROLL-OFF	80 Hz, 18 dB/octave
OPEN CIRCUIT SENSITIVITY	-35 dB (17.7 mV) re 1V at 1 Pa
IMPEDANCE	250 ohms
MAXIMUM INPUT SOUND LEVEL	135 dB SPL, 1 kHz at 1% T.H.D.
DYNAMIC RANGE (TYPICAL)	115 dB, 1 kHz at Max SPL
SIGNAL-TO-NOISE RATIO	74 dB, 1 kHz at 1 Pa
PHANTOM POWER REQUIREMENTS	11-52V DC, 2 mA typical
SWITCH	Flat, roll-off
WEIGHT	167 g
DIMENSIONS	603 mm - long, 12.2 mm - head diameter
OUTPUT CONNECTOR	Integral 3-pin XLRM-type
OPTIONAL INTERCHANGEABLE ELEMENTS	UE-C cardioid (120°) UE-H hypercardioid (100°) UE-O omnidirectional (360°)
ACCESSORIES FURNISHED	AT8154 two-stage foam windscreen

Polar Pattern

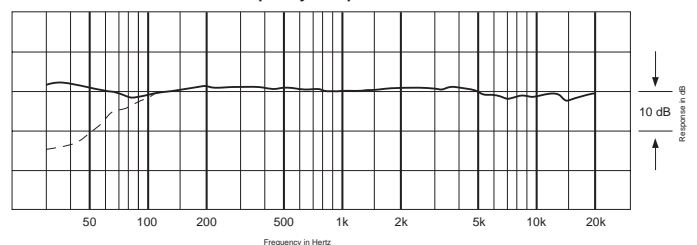


LEGEND
200 Hz — — — —
1 kHz — — — —
5 kHz — — — —
8 kHz — — — —

Optional Accessories:

- AT8662 shock mount.
- AT8506 four-channel 48V phantom power supply (AC powered).
- AT8615 quick-mount plug-in microphone desk stand.
- AT8801/EU single-channel 48V phantom power supply (AC powered).

Frequency Response



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

 **audio-technica®**
Machida • Tokyo • Japan

U857QLU



-				
- UniLine™				
90°				30-20,000 Hz
-				80 Hz, 18 dB/octave
-				-35 dB (17.7 mV) 1V 1 Pa
- UniGuard™	(RFI)			250
()				135 dB, 1 kHz 1% T.H.D.
-				115 dB, 1 kHz
-				74 dB, 1 kHz 1 Pa
-				11-52V 2 mA
- UniSteep®				167
-				603 mm -
-				12.2 mm -
-				3
-				UE-C (120°)
-				UE-H (100°)
-				UE-O (360°)
-				AT8154

90° 360°

XLRM

3

XLRF³

U857QLU
11V 52V

603mm

1
2

()

2 3

UniSteep®
80 Hz

()



43°C