



- Designed for video production and broadcast (ENG/EFP) audio acquisition
- Extremely short length (under 7") ideal for use with compact digital cameras
- Provides the narrow acceptance angle desirable for long-distance sound pickup
- Excellent sound rejection from the sides and rear of mic
- · Tailored response minimizes camera and handling noise
- Operates on phantom power only

The AT875R requires 11V to 52V DC 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.

To avoid phase cancellation and poor sound, all mic cables must be wired consistently: Pin 1-to-Pin 1, etc.

The high sensitivity of the AT875R assures useful output and an excellent match to most input sources. In some cases, however, an attenuator such as the Audio-Technica AT8202 may be required between the microphone and preamplifier to avoid overloading sensitive input stages.

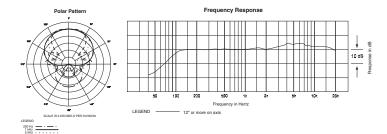
The microphone is RoHS compliant-free from all substances specified in the EU directive on hazardous substances.

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.

AT875R SPECIFICATIONS [†]	
ELEMENT	Fixed-charge back plate permanently polarized condenser
POLAR PATTERN	Line + gradient
FREQUENCY RESPONSE	90-20,000 Hz
OPEN CIRCUIT SENSITIVITY	-30 dB (31.6 mV) re 1V at 1 Pa*
IMPEDANCE	100 ohms
MAXIMUM INPUT SOUND LEVEL	127 dB SPL, 1 kHz at 1% T.H.D.
DYNAMIC RANGE (typical)	107 dB, 1 kHz at Max SPL
SIGNAL-TO-NOISE RATIO ¹	74 dB, 1 kHz at 1 Pa*
PHANTOM POWER REQUIREMENTS	11-52V DC, 2 mA typical
WEIGHT (less accessories)	80 g (2.8 oz)
DIMENSIONS	175.0 mm (6.89") long, 21.0 mm (0.83") diameter
OUTPUT CONNECTOR	Integral 3-pin XLRM-type
ACCESSORIES FURNISHED	AT8405a stand clamp for 5/s"-27 threaded stands; 5/s"-27 to 3/s"-16 threaded adapter; windscreen; soft protective pouch

[†]In the interest of standards development, A.T.U.S. offers full details on its test

Specifications are subject to change without notice.



🕅 audio-technica.

methods to other industry professionals on request.

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

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