



- Designed for video production and broadcast (ENG/EFP) audio acquisition
- Short length (11") ensures mic stays out of the shot – even when used with compact digital cameras
- Smooth, natural-sounding on-axis audio quality
- Provides the narrow acceptance angle desirable for long-distance sound pickup
- Excellent sound rejection from the sides and rear of mic
- Switchable low-frequency roll-off
- Operates on battery or phantom power

The AT897 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:** Unscrew the lower section of the microphone body, just below the nameplate. Insert a fresh 1.5V AA battery in the handle compartment ("+" end up), then reassemble the microphone. Alkaline batteries are recommended for longest life. Remove the battery during long-term storage.

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.

An integral 80 Hz high-pass 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.

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.

## AT897 SPECIFICATIONS†

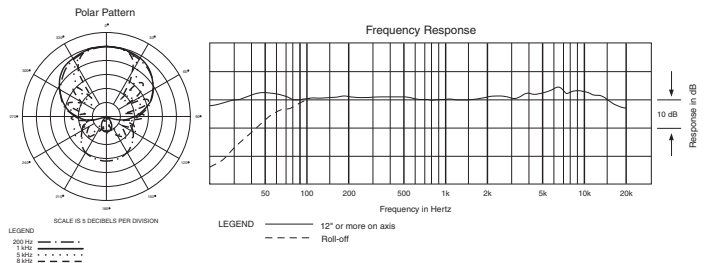
<b>ELEMENT</b>	Fixed-charge back plate permanently polarized condenser
<b>POLAR PATTERN</b>	Line + gradient
<b>FREQUENCY RESPONSE</b>	20-20,000 Hz
<b>LOW FREQUENCY ROLL-OFF</b>	80 Hz, 12 dB/octave
<b>OPEN CIRCUIT SENSITIVITY</b> (Phantom / Battery)	-40 dB (10.0 mV) / -41 dB (8.9 mV) re 1V at 1 Pa*
<b>IMPEDANCE</b> (Phantom / Battery)	200 ohms / 300 ohms
<b>MAXIMUM INPUT SOUND LEVEL</b> (Phantom / Battery)	129 dB / 115 dB SPL, 1 kHz at 1% T.H.D.
<b>SIGNAL-TO-NOISE RATIO</b> <sup>1</sup>	77 dB, 1 kHz at 1 Pa*
<b>DYNAMIC RANGE</b> (typical) (Phantom / Battery)	112 dB / 98 dB, 1 kHz at Max SPL
<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>	Flat, roll-off (recessed)
<b>WEIGHT</b> (less accessories)	5.1 oz (145 g)
<b>DIMENSIONS</b>	10.98" (279.0 mm) long, 0.83" (21.0 mm) diameter
<b>OUTPUT CONNECTOR</b>	Integral 3-pin XLRM-type
<b>ACCESSORIES FURNISHED</b>	AT8405a stand clamp for 5/8"-27 threaded stands; AT8134 windscreen; battery; 5/8"-27 to 3/8"-16 threaded adapter; protective carrying case

†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.



### One-Year Limited Warranty

Audio-Technica brand products purchased in the U.S.A. are warranted for one year from date of purchase by Audio-Technica U.S., Inc. (A.T.U.S.) to be free of defects in materials and workmanship. In event of such defect, product will be repaired promptly without charge or, at our option, replaced with a new product of equal or superior value if delivered to A.T.U.S. or an Authorized Service Center, prepaid, together with the sales slip or other proof of purchase date. **Prior approval from A.T.U.S. is required for return.** This warranty excludes defects due to normal wear, abuse, shipping damage, or failure to use product in accordance with instructions. This warranty is void in the event of unauthorized repair or modification, or removal or defacing of the product labeling.

**For return approval and shipping information,** contact the Service Department, Audio-Technica U.S., Inc., 1221 Commerce Drive, Stow, Ohio 44224.

Except to the extent precluded by applicable state law, **A.T.U.S. will have no liability for any consequential, incidental, or special damages; any warranty of merchantability or fitness for particular purpose expires when this warranty expires.**

This warranty gives you specific legal rights, and you may have other rights which vary from state to state.

Outside the U.S.A., please contact your local dealer for warranty details.



**Audio-Technica U.S., Inc.,** 1221 Commerce Drive, Stow, Ohio 44224  
**Audio-Technica Limited,** Old Lane, Leeds LS11 8AG England  
[www.audio-technica.com](http://www.audio-technica.com)