

# AT804 OMNIDIRECTIONAL DYNAMIC MICROPHONE



## AT804 SPECIFICATIONS†

<b>ELEMENT</b>	Dynamic
<b>POLAR PATTERN</b>	Omnidirectional
<b>FREQUENCY RESPONSE</b>	50-15,000 Hz
<b>OPEN CIRCUIT SENSITIVITY</b>	-49 dB (3.5 mV) re 1V at 1 Pa*
<b>IMPEDANCE</b>	600 ohms
<b>WEIGHT (less accessories)</b>	7.5 oz (213 g)
<b>DIMENSIONS</b>	5.94" (151.0 mm) long, 1.42" (36.0 mm) head diameter
<b>OUTPUT CONNECTOR</b>	Integral 3-pin XLRM-type
<b>ACCESSORIES FURNISHED</b>	AT8405a stand clamp for 5/8"-27 threaded stands; soft protective pouch

†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  
Specifications are subject to change without notice.

- Ideal for interviews, sportscasting and as the "mono" mic when used in conjunction with a stereo microphone
- Omnidirectional polar pattern provides natural reproduction of surrounding ambience
- Rugged housing with hardened-steel grille stands up to field use
- Internal shock mounting minimizes handling and cable noise

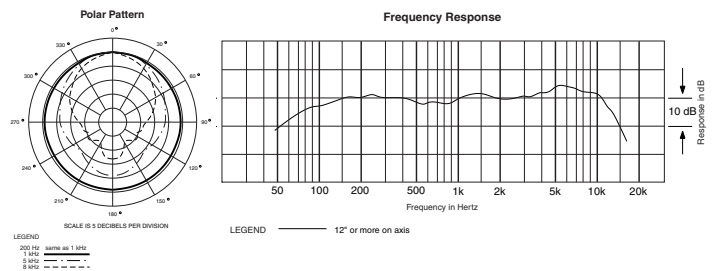
Output from the microphone's XLRM-type connector is low impedance (Lo-Z) balanced. The signal appears across Pins 2 and 3; Pin 1 is ground (shield). Output phase is "Pin 2 hot" – positive acoustic pressure produces positive voltage at Pin 2.

To avoid phase cancellation and poor sound, all mic cables must be wired consistently: Pin 1-to-Pin 1, etc. For a high-impedance (Hi-Z) mic input, connect a Lo-Z balanced cable to a Hi-Z matching transformer (A-T CP8201 or equal) at the equipment input.

Plug Type	Ground	Audio "+"	Audio "-"
XLR	Pin 1	Pin 2	Pin 3
1/4" "TRS"	Sleeve	Tip	Ring
1/4"	Sleeve	Tip	Sleeve

The high sensitivity of the AT804 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.

Take care to keep foreign particles from entering the windscreen. An accumulation of iron or steel filings on the diaphragm, and/or foreign material in the windscreen's mesh surface, can degrade performance.



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