AT804 *OMNIDIRECTIONAL DYNAMIC MICROPHONE*

BROADCAST & PRODUCTION MICROPHONES

- 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

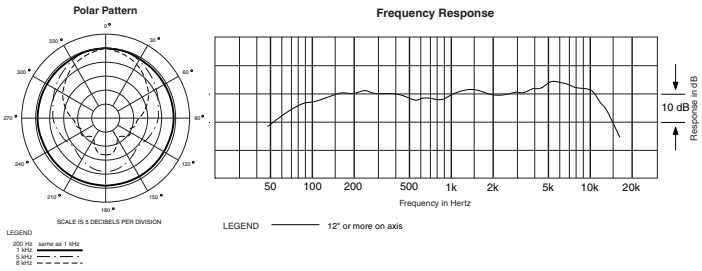
The high sensitivity of the AT804 assures useful output and an excellent match to most input sources. In some cases, however, an attenuator such as the Audio-Technica AT8202 may be required between the microphone and preamplifier to avoid overloading sensitive input stages.

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.

AT804 SPECIFICATIONS†

ELEMENT	Dynamic
POLAR PATTERN	Omnidirectional
FREQUENCY RESPONSE	50-15,000 Hz
OPEN CIRCUIT SENSITIVITY	–49 dB (3.5 mV) re 1V at 1 Pa*
IMPEDANCE	600 ohms
WEIGHT (less accessories)	7.5 oz (213 g)
DIMENSIONS	5.94" (151.0 mm) long, 1.42" (36.0 mm) head diameter
OUTPUT CONNECTOR	Integral 3-pin XLRM-type
ACCESSORIES FURNISHED	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^2 = 10 microbars = 94 dB SPL
Specifications are subject to change without notice.



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