



- Ideal for DAT recording as well as television, FM and field applications
- Pair of closely-matched cardioid elements provides the spatial impact and realism of a live sound field
- Compact, lightweight design is perfect for camera-mount use
- Excellent channel separation
- Switchable low-frequency roll-off

The AT822 is designed for battery operation only; install the battery before attempting use. **WARNING:** Do not attempt to use when phantom power is present. Possible damage to the microphone may result. (Please note, however, that the presence of a bias voltage – from a DAT recorder, for example – is acceptable and will not harm the microphone.)

Battery installation: Unscrew the lower section of the microphone body to reveal the battery compartment. 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 for each stereo channel is low impedance (Lo-Z) unbalanced. The unbalanced signals appear across Pin 2 for the left channel and Pin 3 for the right channel. Pin 1 is ground (shield) for both channels. Output is “Pins 2 and 3 hot” – positive acoustic pressure produces positive voltage at Pins 2 and 3.

Locating the AT822 nearer the sound source enhances the width of the stereo image, while decreasing room ambience. Conversely, as the mic position moves away from the sound source, a narrower left/right stereo image results and more of the “room sound” is noted.

The high sensitivity of the AT822 assures useful output and an excellent match to most inputs. However, the microphone’s high output may overload some sensitive electronic input stages under some conditions. Many pre-amps and mixers include a mic pad or input attenuator control to prevent overload.

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.

AT822 SPECIFICATIONS†

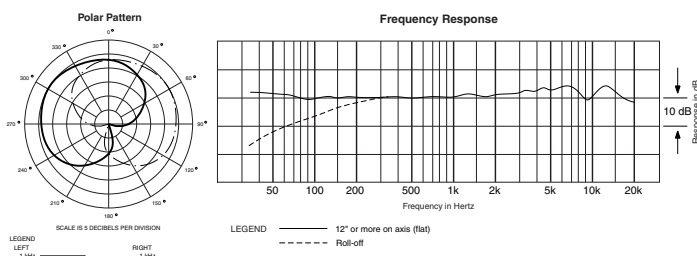
ELEMENTS	Fixed-charge back plate permanently polarized condenser
POLAR PATTERN	X/Y stereo
FREQUENCY RESPONSE	30-20,000 Hz
LOW-FREQUENCY ROLL-OFF	150 Hz, 6 dB/octave
OPEN CIRCUIT SENSITIVITY	-45 dB (5.6 mV) re 1V at 1 Pa*
CHANNEL BALANCE	≤2.5 dB
IMPEDANCE	200 ohms unbalanced
MAXIMUM INPUT SOUND LEVEL	125 dB SPL, 1 kHz at 1%T.H.D.
SIGNAL-TO-NOISE RATIO¹	70 dB, 1 kHz at 1 Pa*
DYNAMIC RANGE (typical)	101 dB, 1 kHz at Max SPL
BATTERY TYPE	1.5V AA/UM3 WARNING: The AT822 is designed for battery operation only. Do not attempt to use when phantom power is present. Possible damage to the microphone may result.
BATTERY CURRENT / LIFE (intermittent use)	1.2 mA / 1000 hours typical (alkaline)
SWITCH	Off, flat, roll-off
WEIGHT (less cables and accessories)	5.8 oz (165 g)
DIMENSIONS	7.76" (197.0 mm) long, 2.44" (62.0 mm) maximum head width, 0.83" (21.0 mm) body diameter
OUTPUT CONNECTOR	Integral 3-pin XLRM-type
CABLES	1.7' (0.5 m) long, 3-conductor, shielded, vinyl-jacketed, stereo cable with 3-pin XLRF-type connector at microphone end, 3.5 mm stereo mini plug at output end. 10.0' (3.0 m) long, 3-conductor, shielded, vinyl-jacketed, stereo cable with 3-pin XLRF-type connector at microphone end, two 3.5 mm mono mini plugs with 1/4" phone plug adapters at output end.
ACCESSORIES FURNISHED	Gun-grip snap-in stand clamp for 5/8"-27 threaded stands; camera shoe mount adapter; battery; AT8120 windscreen; 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/cm² = 10 microbars = 94 dB SPL

¹ Typical, A-weighted, using Audio Precision System One.

Specifications are subject to change without notice.



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