AT2020 *CARDIOID CONDENSER MICROPHONE*

20 SERIES



- The price/performance standard in side-address studio condenser microphone technology
- Ideal for project/home-studio applications
- High SPL handling and wide dynamic range provide unmatched versatility
- Custom-engineered 16 mm low-mass diaphragm provides extended frequency response and superior transient response
- Cardioid polar pattern reduces pickup of sounds from the sides and rear, improving isolation of desired sound source
- Pivoting, threaded stand mount attaches securely for easy and precise placement of the microphone

The AT2020 is intended for use in applications where remote power is available. It requires 48V DC phantom power, which may be provided by a mixer or console, or by a separate, in-line source such as the Audio-Technica AT8801 single-channel and CP8506 four-channel phantom power supplies.

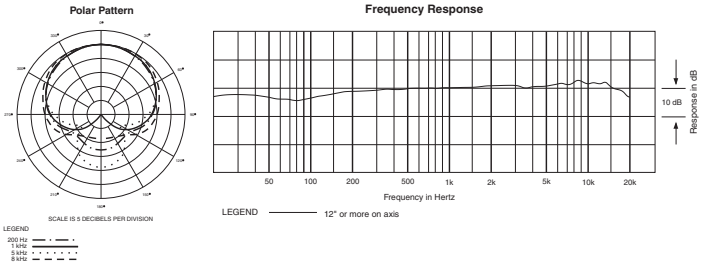
Output from the microphone's XLRM-type connector is low impedance (Lo-Z) balanced. The signal appears across Pins 2 and 3; Pin 1 is ground (shield). Output phase is "Pin 2 hot" – positive acoustic pressure produces positive voltage at Pin 2.

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

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.

AT2020 SPECIFICATIONS†	
ELEMENT	Fixed-charge back plate permanently polarized condenser
POLAR PATTERN	Cardioid
FREQUENCY RESPONSE	20-20,000 Hz
OPEN CIRCUIT SENSITIVITY	–37 dB (14.1 mV) re 1V at 1 Pa*
IMPEDANCE	100 ohms
MAXIMUM INPUT SOUND LEVEL	144 dB SPL, 1 kHz at 1% T.H.D.
NOISE[1]	20 dB SPL
DYNAMIC RANGE (typical)	124 dB, 1 kHz at Max SPL
SIGNAL-TO-NOISE RATIO[1]	74 dB, 1 kHz at 1 Pa*
PHANTOM POWER REQUIREMENTS	48V DC, 2 mA typical
WEIGHT (less accessories)	12.1 oz (345 g)
DIMENSIONS	6.38" (162.0 mm) long, 2.05" (52.0 mm) maximum body diameter
OUTPUT CONNECTOR	Integral 3-pin XLRM-type
ACCESSORIES FURNISHED	Stand mount for 5/8"-27 threaded stands; 5/8"-27 to 3/8"-16 threaded adapter; 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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Audio-Technica U.S., Inc., 1221 Commerce Drive, Stow, Ohio 44224
Audio-Technica Limited, Old Lane, Leeds LS11 8AG England
www.audio-technica.com

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