

# AT3060 CARDIOID PHANTOM-POWERED TUBE MICROPHONE

30

series



- Warm classic tube sound
- No dedicated power supply or special cable needed; operates exclusively on 48V DC phantom power
- Large-diaphragm element delivers high sensitivity and smooth sound reproduction with low noise levels
- Custom shock mount provides superior isolation
- Cardioid polar pattern reduces pickup of sounds from the sides and rear, improving isolation of desired sound source

The AT3060 is intended for use in professional 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.

**ATTENTION:** As with any sophisticated vacuum tube equipment, the AT3060 requires up to 10 minutes after phantom power is supplied to the microphone for the unit's electronics to stabilize.

Always use the microphone with the provided AT8458 shock mount. Secure the cable to the mic stand or boom, leaving a slack loop at the mic. This will ensure the most effective shock isolation and reduce the possibility of accidentally pulling the microphone out of its mount.

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.

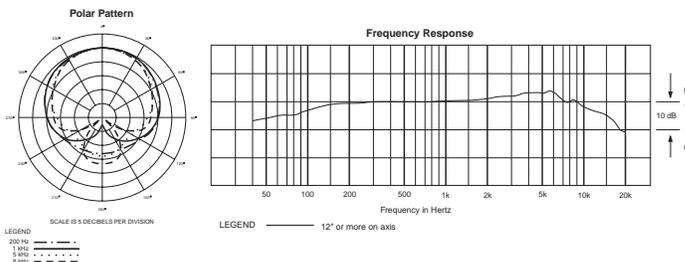
## AT3060 SPECIFICATIONS†

<b>ELEMENT</b>	Fixed-charge back plate permanently polarized condenser
<b>POLAR PATTERN</b>	Cardioid
<b>FREQUENCY RESPONSE</b>	50-16,000 Hz
<b>OPEN CIRCUIT SENSITIVITY</b>	-32 dB (25.1 mV) re 1V at 1 Pa*
<b>IMPEDANCE</b>	400 ohms
<b>MAXIMUM INPUT SOUND LEVEL</b>	134 dB SPL, 1 kHz at 1% T.H.D.
<b>NOISE<sup>†</sup></b>	17 dB SPL
<b>DYNAMIC RANGE (typical)</b>	117 dB, 1 kHz at Max SPL
<b>SIGNAL-TO-NOISE RATIO<sup>†</sup></b>	77 dB, 1 kHz at 1 Pa*
<b>PHANTOM POWER REQUIREMENTS</b>	48V DC, 3 mA typical
<b>WEIGHT (less accessories)</b>	19.1 oz (540 g)
<b>DIMENSIONS</b>	6.71" (170.5 mm) long, 2.05" (52.0 mm) maximum body diameter
<b>OUTPUT CONNECTOR</b>	Integral 3-pin XLRM-type
<b>ACCESSORIES FURNISHED</b>	Shock mount 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

† 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.

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