

PRO 61 HYPERCARDIOID DYNAMIC MICROPHONE



PRO 61 SPECIFICATIONS†

ELEMENT	Dynamic
POLAR PATTERN	Hypercardioid
FREQUENCY RESPONSE	70-16,000 Hz
OPEN CIRCUIT SENSITIVITY	-55 dB (1.7 mV) re 1V at 1 Pa*
IMPEDANCE	300 ohms
WEIGHT (less cable and accessories)	11.8 oz (335 g)
DIMENSIONS	7.56" (192.0 mm) long, 2.07" (52.6 mm) head diameter
OUTPUT CONNECTOR	Integral 3-pin XLRM-type
CABLE	15.0' (4.5 m) cable with XLRF-type connector at microphone end, XLRM-type connector at equipment end
ACCESSORIES FURNISHED	AT8470 Quiet-Flex™ stand clamp for 5/8"-27 threaded stands; 5/8"-27 to 3/8"-16 threaded adapter; soft protective pouch

- Premier Pro Series vocal microphone delivers excellent gain before feedback and outstanding stage presence
- Hi-ENERGY® neodymium magnet for improved output and transient response
- Extended frequency response for optimal vocal reproduction
- Two-stage ball-type screen reduces wind noise and “popping” during close use
- Corrosion-resistant contacts from gold-plated XLRM-type connectors
- Superior internal shock mounting reduces handling noise
- Rugged design and construction for reliable performance
- Hypercardioid polar pattern reduces pickup of sounds from the sides and rear, improving isolation of desired sound source

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.

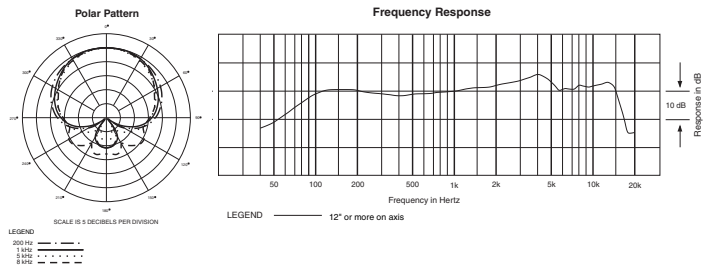
Plug Type	Ground	Audio “+”	Audio “-”
XLR	Pin 1	Pin 2	Pin 3
1/4" “TRS”	Sleeve	Tip	Ring
1/4"	Sleeve	Tip	Sleeve

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.

When using the PRO 61 in settings with a stage monitor speaker, the speaker should be located 135° off axis (45° off the rear of the microphone). This placement, in conjunction with the microphone’s uniform hypercardioid pickup pattern, will virtually eliminate the possibility of undesired audio feedback.

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.

†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
Specifications are subject to change without notice.



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