

# PRO 24 STEREO CONDENSER MICROPHONE



- Designed for a wide range of stereo applications, including field recording, video production and studio use
- Offers the convenience of high-quality stereo pickup in a single microphone
- Compact, lightweight design is perfect for camera-mount use
- Battery-free operation when used with recording devices that provide plug-in power at the mic input
- Pair of cardioid condenser elements in X/Y configuration provides the spatial impact and realism of a live sound field
- Professional condenser circuitry ensures excellent sound quality
- On/off switch for convenient operation

The PRO 24 is designed for either battery operation or for battery-free operation when used with recording devices that provide plug-in power (2-10 volts DC) at the mic input. If used *without* plug-in power, install the battery before attempting use. If used *with* a recording device equipped for plug-in power, simply plug the microphone cable's stereo mini-plug directly into the recording device's microphone input. No battery is needed when the PRO 24 is used with plug-in power.

**Battery installation:** Unscrew the lower section of the microphone and slide it down to reveal the battery compartment. Insert the battery being certain to observe polarity as indicated (+ end toward the front of the microphone). Close and secure the cover. Remove the battery during long-term storage.

Output for each stereo channel is low impedance (Lo-Z) unbalanced. The included 6' (1.8 m) shielded cable features a 3.5 mm stereo mini-plug at the output end.

Locating the PRO 24 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.

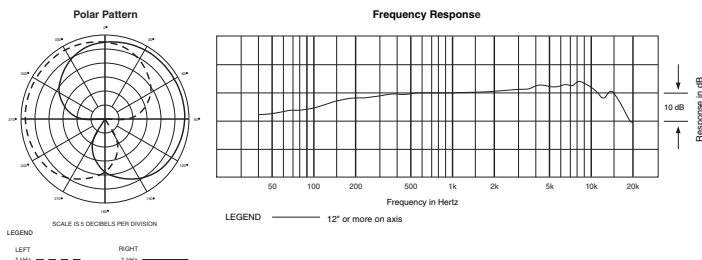
Avoid leaving the microphone in the open sun or in areas where temperatures exceed 110° F (43° C) for extended periods. Extremely high humidity should also be avoided.

## PRO 24 SPECIFICATIONS<sup>†</sup>

<b>ELEMENTS</b>	Fixed-charge back plate permanently polarized condenser
<b>POLAR PATTERN</b>	X/Y Stereo
<b>FREQUENCY RESPONSE</b>	100-17,000 Hz
<b>OPEN CIRCUIT SENSITIVITY</b>	-50 dB (3.1 mV) re 1V at 1 Pa*
<b>IMPEDANCE</b>	600 ohms
<b>MAXIMUM INPUT SOUND LEVEL</b>	119 dB SPL, 1 kHz at 1%T.H.D.
<b>DYNAMIC RANGE (typical)</b>	82 dB, 1 kHz at Max SPL
<b>SIGNAL-TO-NOISE RATIO<sup>†</sup></b>	57 dB, 1 kHz at 1 Pa*
<b>POWER REQUIREMENTS</b>	2-10V DC plug-in power
<b>BATTERY TYPE</b>	1.5V LR44
<b>BATTERY CURRENT / LIFE</b>	0.6 mA / 200 hours typical
<b>SWITCH</b>	On/off
<b>WEIGHT</b>	3.9 oz (111 g)
<b>DIMENSIONS</b>	4.59" (116.5 mm) long, 0.83" (21.0 mm) maximum body diameter
<b>OUTPUT CONNECTOR</b>	3.5 mm stereo mini plug on cable
<b>CABLE</b>	Permanently attached 6' (1.8 m) cable with 3.5 mm stereo plug at output end
<b>ACCESSORIES FURNISHED</b>	AT8405a stand clamp for 5/8"-27 threaded stands; 5/8"-27 to 3/8"-16 threaded adapter; LR44 battery; windscreen; soft protective pouch

<sup>†</sup>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  
<sup>†</sup>Typical, A-weighted, using Audio Precision System One.  
Specifications are subject to change without notice.



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