

# MT828 / MT828c

## SUBMINIATURE CARDIOID CONDENSER CLIP-ON MICROPHONE



- Maximum intelligibility and clean, accurate reproduction for lecturers, stage and television talent, and worship leaders.
- Low-profile design is ideal for applications requiring minimum visibility.
- Includes a wire clothing clip and a metal-frame pop filter.
- MT828a is switchable for low-frequency roll-off reduces sensitivity to popping in close vocal use.
- MT828a can be operated on battery or phantom power.
- MT828cW is terminated for use with all Audio-Technica UniPak™ wireless systems.

The MT828a / MT828cW is worn on the clothing of performers for excellent yet unobtrusive sound pickup. Its small size makes the microphone ideal for use in applications where minimum visibility is required. Close-up voice pickup is crisp and clean, yet full sounding, while suppression of background noise and undesired audio feedback are significantly improved over that of full-size cardioid microphones.

The included clothing clip and metal-frame pop filter are removable. When using the MT828a / MT828cW in extremely close situations, slip the included metal-frame pop filter over the mic to reduce wind noise or "popping".

### MT828a

Includes a power module AT8531 that requires 11V to 52V DC phantom power, or a 1.5V AA battery for operation. A battery need not be in place for phantom power operation.

An integral 80Hz high-pass filter provides easy switching from a flat frequency response to a low-end roll-off. The roll-off position reduces the pickup of low-frequency ambient noise (such as traffic, air-handling systems, etc.), room reverberation and mechanically coupled vibrations.

Output from the power module'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.

### MT828cW

Less power module and includes clothing clip and metal-frame pop filter only. 1.6 m cable terminated with locking 4-pin connector for Audio-Technica UniPak™ body-pack wireless transmitters.

Avoid leaving the microphone in the open sun or in areas where temperatures exceed 40°C for extended periods. Extremely high humidity should also be avoided.

### SPECIFICATIONS

ELEMENT	Fixed-charge back plate permanently polarized condenser
POLAR PATTERN	Cardioid
FREQUENCY RESPONSE	100-12,000 Hz
OPEN CIRCUIT SENSITIVITY	-64 dB (0.63 mV) re 1V at 1 Pa (capsule)
IMPEDANCE	1600 ohms (capsule)
OPERATING VOLTAGE	1-10V DC (capsule)
LOW FREQUENCY ROLL-OFF	80 Hz, 12 dB/octave (MT828a)
PHANTOM POWER REQUIREMENTS	11-52V DC, 2 mA typical (MT828a)
BATTERY TYPE	1.5V AA (MT828a)
BATTERY CURRENT / LIFE	2.0 mA / 1200 hours (MT828a)
SWITCHES	Flat, roll-off (MT828a)
WEIGHT (less cable and accessories)	
MICROPHONE	7.5 g
POWER MODULE (AT8531)	81.2 g
DIMENSIONS	
MICROPHONE	19.4 mm - long, 7.3 mm - diameter
POWER MODULE (AT8531)	83.0 mm - H x 63.0 mm - W x 22.0 mm - D
OUTPUT CONNECTOR	
MT828a (AT8531)	Integral 3-pin XLRM-type
MT828cW	locking 4-pin connector for UniPak™
CABLE	1.6 m long (permanently attached to microphone), 2 mm diameter
ACCESSORIES FURNISHED	Wire clothing clip; metal-frame pop filter; protective pouch. AT8531 power module (MT828a)



