MT830R

SUBMINIATURE OMNIDIRECTIONAL CONDENSER MICROPHONE

SPECIFICATIONS

ELEMENT	Fixed-change back plate permanently polarized condenser
POLAR PATTERN	Omnidirectional
FREQUENCY RESPONSE	30-20,000 Hz
OPEN CIRCUIT SENSITIVITY	

- High intelligibility for lecturers, stage/TV performers and singers.

- Provides excellent yet unobtrusive sound pickup.

- Wide-range capability ensures clean, accurate reproduction.

- Operates on phantom power.

The MT830R is designed to be worn as a lavalier or hidden in loose clothing or in the hair. For use as a lavalier, attach the microphone about 150mm below the chin. Anticipate movements that may cause the microphone to rub against or be covered by clothing, and position the microphone to avoid it.

The MT830R is intended for use in professional applications where remove power is available. It requires 9V to 52V 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 or AT8506 four-channel phantom power supplies.

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.

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

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