

MT830R

SUBMINIATURE OMNIDIRECTIONAL CONDENSER MICROPHONE



SPECIFICATIONS

ELEMENT	Fixed-charge back plate permanently polarized condenser
POLAR PATTERN	Omnidirectional
FREQUENCY RESPONSE	30-20,000 Hz
OPEN CIRCUIT SENSITIVITY	-34 dB (19.9 mV) re 1V at 1 Pa
IMPEDANCE	200 ohms
MAXIMUM INPUT SOUND LEVEL	131 dB SPL, 1 kHz at 1% T.H.D.
LOW FREQUENCY ROLL-OFF	80 Hz, 12 dB/octave
DYNAMIC RANGE (typical)	107 dB, 1 kHz at Max SPL
PHANTOM POWER REQUIREMENTS	9-52V DC, 2 mA typical
WEIGHT (less cable and accessories)	
MICROPHONE	1.3 g
POWER MODULE	51.4 g
DIMENSIONS	
MICROPHONE	15.8 mm - Long, 8.5 mm - Wide, 5.0 mm - thick
POWER MODULE	79.5 mm - Long x 21.0 mm - Diameter
OUTPUT CONNECTOR	Integral 3-pin XLRM-type
CABLE	7.6 m long (permanently attached to microphone), 2.5 mm diameter, 2-conductor, shielded cable with TA3F output connector
ACCESSORIES FURNISHED	Clothing clip; Windscreens; protective pouch. AT8538 power module

- 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.

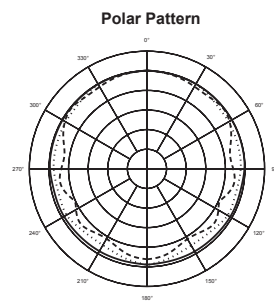
The MT830R is designed to be worn as a lavalier or hidden in loose clothing or in the hair. For use as a lavalier, attach the microphone about 150mm below the chin. Anticipate movements that may cause the microphone to rub against or be covered by clothing, and position the microphone to avoid it.

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.

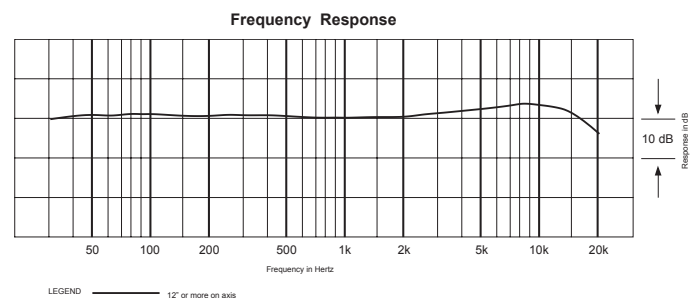
Output from the power module's XLRM-type connector is low impedance (Lo-Z) balanced. The signal appears across Pins 2 and 3; Pin 1 is ground (shield). Output phase is "Pin 2 hot" - positive acoustic pressure produces positive voltage at Pin 2.

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.



LEGEND
200 Hz — same as 1 kHz
1 kHz — — — — —
5 kHz — · · · · ·
8 kHz — - - - - -



MT830R

全方向指向性微型电容话筒



- 高集成结构，适合在教学、演唱、舞台、电视广播上使用。
- 提供优秀和不显眼的收音设计。
- 宽量程清晰及准确的播放能力。
- 使用幻象供电工作。

MT830R 是为戴在表演者衣服上，在不妨碍外观，但有超卓收音效果而设计的微型电容话筒。全方向指向性收音，能有效地提高收音效果，不需特别注意话筒的位置，已能确保演讲者、歌唱家、舞台及电视演员提供高度清晰及准确的重播。

MT830R 的元件封闭在一个坚固及低反光的外壳内，其内部构造设计得尽量减少碰撞时及衣服摩擦时的噪音。话筒提供一条长7.6m的音频线，此外还包括一个领带夹和附属的防风棉。

配有一个供电模组，需要提供11V至52V幻象供电，可使用调音台上的幻象电源，也可以使用鐵三角的 AT8801 单通道或 AT8506 四通道幻象电源供电作独立供电。

供电模组的XLR卡农输出端为低阻抗平衡输出，话筒音频信号最终以卡农公头的2号及3号针脚输出，而1号针脚则为地线(屏蔽)连接。输出相位将以正相位电平设于2号针脚上。为避免出现相位相互抵消而失真的情况，所有话筒连接时，接线必需以1-1, 2-2, 3-3型式把针脚连接。

把话筒暴露于高温中可能导致输出电平逐渐及永久性减弱，应避免将话筒留在日晒的地方或长时间置于温度超过43°C的地方，而极高湿度也应避免。

技术指标

收音头	固定充电背板，静电型电容式
指向特性	全方向指向性
频率响应	30-20,000 Hz
开通灵敏度	-34 dB (19.9 mV) 以 1V 于 1 Pa
输出阻抗	200 欧姆
工作电压	131 dB SPL, 1 kHz 于 1% T.H.D
高通滤波	80 Hz, 12 dB/octave
动态范围(典型)	107 dB, 1 kHz 于最高声压
幻象供电	直流 9-52V, 耗电 2 mA 典型
重量(不带连线与配件)	
话筒	1.3 克
供电模组	51.4 克

外形尺寸

话筒	15.8 mm -长, 8.5 mm -宽, 5.0 mm -厚
供电模组	79.5 mm -长, 21.0 mm -直径

输出连接器

内置 XLRM-3针卡农公头

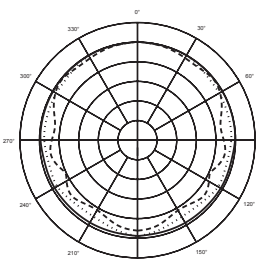
连线

7.6 m - 长, 2.5 mm - 直径,
话筒固定连接,
2蕊线连屏蔽电线, 以TA3F插头连接。

附属品

领带夹; 防风棉; 保护袋。
AT8538 供电模组。

指向特性



频率
2000 Hz 与 1 kHz 曲线相同
1 kHz
5 kHz
8 kHz

频率特性

