

AT875R

LINE + GRADIENT CONDENSER MICROPHONE



- Designed for video production and broadcast (ENG/EFP) audio acquisition
- Extremely short length (175mm) ideal for use with compact digital cameras
- Provides the narrow acceptance angle desirable for long-distance sound pickup
- Excellent sound rejection from the sides and rear of mic
- Tailored response minimizes camera and handling noise
- Operates on phantom power only

The AT875R requires 11V to 52V DC phantom power for operation.

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.

To avoid phase cancellation and poor sound, all mic cables must be wired consistently: Pin 1-to-Pin 1, etc.

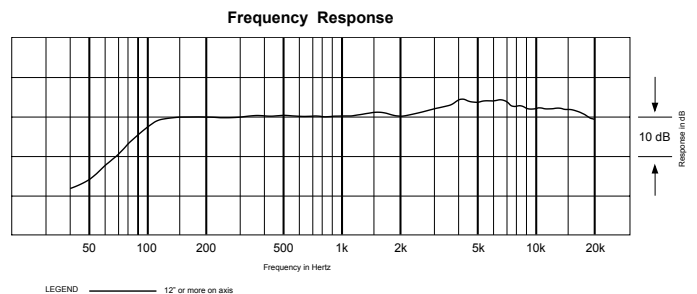
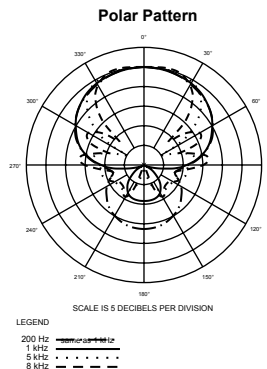
The high sensitivity of the AT875R assures useful output and an excellent match to most input sources. In some cases, however, an attenuator such as the Audio-Technica AT8202 may be required between the microphone and preamplifier to avoid overloading sensitive input stages.

The microphone is RoHS compliant—free from all substances specified in the EU directive on hazardous substances.

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.

SPECIFICATIONS

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| ELEMENT | Fixed-charge back plate permanently polarized condenser |
| POLAR PATTERN | Line + gradient |
| FREQUENCY RESPONSE | 90-20,000 Hz |
| OPEN CIRCUIT SENSITIVITY | -30 dB (31.6 mV) re 1V at 1 Pa |
| IMPEDANCE | 100 ohms |
| MAXIMUM INPUT SOUND LEVEL | 127 dB SPL, 1 kHz at 1% T.H.D. |
| DYNAMIC RANGE (typical) | 107 dB, 1 kHz at Max SPL |
| SIGNAL-TO-NOISE RATIO | 74 dB, 1 kHz at 1 Pa |
| PHANTOM POWER REQUIREMENTS | 11 - 52V DC, 2 mA typical |
| WEIGHT (less cable and accessories) | 80 g |
| DIMENSIONS | 175.0 mm long, 21.0 mm diameter |
| OUTPUT CONNECTOR | Integral 3-pin XLRM-type |
| ACCESSORIES FURNISHED | AT8405a stand clamp for 5/8"-27 threaded stands; 5/8"-27 to 3/8"-16 threaded adapter; windscreen; protective carrying case |



AT875R

超指向性电容话筒



- 专为影视制作和广播采访(ENG/EFP)的音频收音而设计。
- 十分短的长度设计(175mm), 适合于小型数字摄像机使用。
- 提供窄角度的超指向性能, 给与远距离的收音效果。
- 由话筒两旁到后方均有极佳抗噪音能力。
- 特有的频率响应, 可减低摄像机和手持噪声。
- 使用幻象供电工作。

AT875R话筒需使用11V至52V幻象供电工作。

话筒的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。

AT875R提供高灵敏度的收音效能, 可确保能接收到最大的音源。而在某些情况下, 为避免发生超负载输入而出现破声情况, 需要在话筒和前置放大器之间加入AT8202等的电平衰减器。

话筒符合RoHS规格, 在构造上不含有欧盟禁用的危害性物质。

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

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| 收音头 | 固定充电背板, 静电型电容式 |
| 指向特性 | 超指向性 |
| 频率响应 | 90-20,000 Hz |
| 开通灵敏度 | -30 dB (31.6 mV) 以 1V 于 1 Pa |
| 输出阻抗 | 100 欧姆 |
| 最大承受声压 | 127 dB 声压, 1 kHz 于 1% T.H.D. |
| 动态范围 (典型) | 107 dB, 1 kHz 于最高声压 |
| 讯噪比 | 74 dB, 1 kHz 于 1 Pa |
| 幻像供电 | 直流 11 - 52V, 耗电 2mA 典型 |
| 重量 | 80 g |
| 外形尺寸 | 175.0 mm 长, 21.0 mm 直径 |
| 输出连接器 | 内置 XLRM-3针卡农公头 |
| 附属品 | AT8405a 5/8"-27接头转轴式支架; 海棉防风罩; 5/8"-27至3/8"-16转接头; 保护袋 |

