

U891Rx/O

unipoint®

OMNIDIRECTIONAL CONDENSER BOUNDARY MICROPHONE WITH SWITCH



- Activation switch can be set to any of 3 operating modes: "touch-on/touch-off," "touch-to-talk" and "touch-to-mute".
- PivotPoint® rotating output connector allows cable to exit from either the rear or the bottom of the microphone.
- Small diameter omnidirectional capsule near boundary eliminates phase distortion and delivers clear, high-output performance
- Superior off-axis rejection for maximum gain before feedback.
- Self-contained electronics eliminate need for external power module.
- UniSteep® filter provides a steep low-frequency attenuation to improve sound pickup without affecting voice quality
- UniGuard™ RFI-shielding technology offers outstanding rejection of radio frequency interference (RFI).
- Available interchangeable elements permit angle of acceptance from 100° to 360°
- Heavy die-cast case and non-slip silicon foam bottom pads minimize coupling of surface vibration to the microphone.
- Low-profile design with low-reflectance finish for minimum visibility.

The U891Rx/O is a wide-range condenser microphone with a omnidirectional polar pattern. It is designed for surface-mount applications such as high-quality sound reinforcement, conferencing, professional recording, and other demanding sound pickup applications.

The microphone features an activation switch that can be set (via a switch on the bottom of the microphone) to any of three operating modes: "press-on/press-off," "press-to-talk" and "press-to-mute".

The microphone requires 11V to 52V phantom power for operation.

The U891Rx/O is equipped with UniGuard® RFI-shielding technology, which offers outstanding rejection of radio frequency interference (RFI).

The microphone includes a 7.6m output cable terminating in special TA3F-type and XLRM-type connectors designed to optimize RFI immunity. The output of the microphone is a TB3M-type connector. The microphone is equipped with Audio -Technica's unique PivotPoint® rotating output connector.

At integral 80 Hz 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.

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.

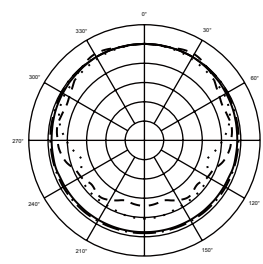
SPECIFICATIONS

ELEMENT	Fixed-charge back plate permanently polarized condenser
POLAR PATTERN	Omnidirectional in hemisphere above mounting surface
FREQUENCY RESPONSE	30-20,000 Hz
LOW FREQUENCY ROLL-OFF	80 Hz, 18 dB/octave
OPEN CIRCUIT SENSITIVITY	-32 dB (25.1 mV) re 1V at 1 Pa
IMPEDANCE	200 ohms
MAXIMUM INPUT SOUND LEVEL	128 dB SPL, 1 kHz at 1% T.H.D.
DYNAMIC RANGE (TYPICAL)	107 dB, 1 kHz at Max SPL
SIGNAL-TO-NOISE RATIO	73 dB, 1 kHz at 1 Pa
PHANTOM POWER REQUIREMENTS	11-52V DC, 4 mA typical
SWITCH	Activation: on/off; Switch function: press on/off momentary on, momentary off; Flat, roll-off
WEIGHT	264 g
DIMENSIONS	108.0 mm - long, 84.0 mm - maximum width, 23.0 mm - height
OUTPUT CONNECTOR	TB3M-type
CABLE	7.6m long, 3.2mm diameter, (2-conductor shielded cable with TA3F / XLRM-type connector)
OPTIONAL INTERCHANGEABLE ELEMENTS	UE-C cardioid (120°) UE-H hypercardioid (100°) UE-O omnidirectional (360°)
ACCESSORIES FURNISHED	Soft protective pouch

Optional Accessories:

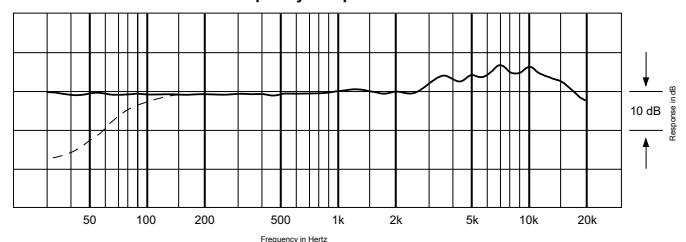
AT8506 four-channel 48V phantom power supply (AC powered).
AT8801/EU single-channel 48V phantom power supply (AC powered).

Polar Pattern



LEGEND
200 Hz ———
1 kHz ———
5 kHz ———
8 kHz ———

Frequency Response



LEGEND
——— 12° or more on axis
- - - - Roll-off

 **audio-technica®**
Machida • Tokyo • Japan

FORM No. ATGC-L0313-13-E

U891Rx/O

unipoint®

全指向性平面式会议话筒 - 带开关



- 超宁静的电子开关，可设定话筒操作于三种模式：“反复按下开关”、“按下讲话”、“按下哑音”。
- PivotPoint® 转动式输出连接头，可因应需要把输出连接线设置为话筒背后或话筒底部输出。
- 细小的全指向性收音头，可消除反射式相位失真，并提供清晰及高信号的音频输出。
- 良好的隔音设计，在最大增益时仍能避免啸叫声的出现。
- 内置话筒前置放大器供电组件，无需使用外置供电模组。
- UniSteep® - 高通滤波器，提供了一个高效能的高通滤波，把低频噪声作出衰减而无损语音的收音质量。。
- UniGuard™ - 射频干扰(RFI)屏蔽技术，提供杰出的防止射频干扰能力，避免收音时受到如手提电话等的干扰。
- 更换式的收音头设计，可选配适合的收音头配合实际的应用，收音角度可由100°至360°。
- 以压铸铸造的坚固外壳及话筒底部的防滑砂泡棉，可减低桌面震动对话筒的影响。
- 平放不显眼的设计，并涂上低反光的颜色涂料。

U891Rx/O 是一枚阔频宽的电容式全方向指向性平面话筒，设计于平面放置应用，提供高质量收音、会议、专业录音、电视广播等高要求的收音应用。

话筒提供超宁静的电子开关，以控制话筒收音的操作。可在话筒底部的设定选择，设置轻触式电子开关操作于三种模式：“反复按下开关”、“按下讲话”、“按下哑音”。而内置的供电模组使用直流11V至52V幻象供电工作。

U891Rx/O 配备有 UniGuard™ - 射频干扰(RFI)屏蔽技术，提供杰出的防止射频干扰能力，避免收音时受到如手提电话等的干扰。

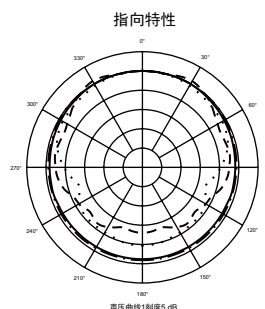
提供 7.6 m 长的 TA3F 和 XLRM 卡农端子连接线，作长距离连接。而话筒并配置独有的 PivotPoint® 转动式输出连接头，可因应需要把输出连接线设置为话筒背后或话筒底部输出。

内置高质量高通滤波电路，可轻易由平直的频率响应，开启为于80 Hz以下衰减的收音效果，应高通滤波器可减低话筒在近距离讲话收音时的喷气声，并可减低收音环境中低频噪声(如外间汽车引擎声，空调系统的风声等)，房间中的回声及机械性的震动声。

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。

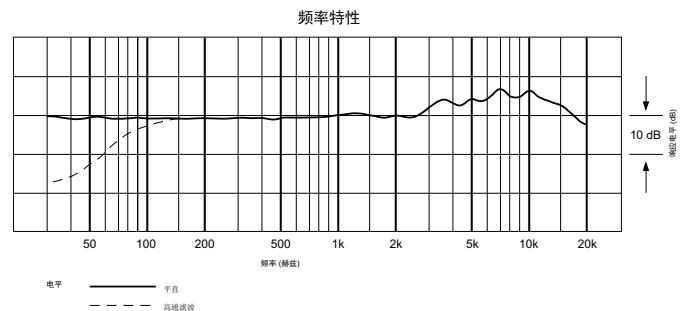
技术指标

收音头	固定充电背板， 静电型电容式
指向特性	半圆形全方向指向性
频率响应	30-20,000 Hz
高通滤波	80 Hz, 18 dB/octave
开通灵敏度	-32 dB (25.1 mV) 以 1V 于 1 Pa
输出阻抗	200 欧姆
最大承受声压	128 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	73 dB, 1 kHz 于 1 Pa
幻象供电	直流 11-52V, 耗电 4 mA 典型
开关	轻触开关， 开关功能选择(反复按下开关、 按下讲话、按下哑音)， 高通滤波
重量	254 克
外形尺寸	108 mm - 长 84 mm - 最宽度， 23 mm - 高
输出连接器	内置式TB3M公头
连接线	7.6m 长，3.2 mm 直径连接线， (2蕊屏蔽线， 带TA3F插头 / 卡农插头)
可转换收音头	UE-C 心形指向 (120°) UE-H 超心形指向 (100°) UE-O 全方向性 (360°)
附属品	软质保护袋



选择配件:

- AT8506 四通通48V幻象供电 (交流供电)。
- AT8801/EU 单通道48V幻象供电 (交流供电)。



audio-technica®

鐵三角®

Machida • Tokyo • Japan

FORM No. ATGC-L0313-13-C