

# BP896 / BP896-TH

MicroSet® Omnidirectional Condenser Lavalier Microphones



## Features

- Subminiature clip-on lavalier microphone designed for broadcast production and theater settings
- Microphone diameter of just 2.6 mm for the ultimate in lowprofile, high-performance audio
- Extremely intelligible, natural audio
- Handles high sound pressure levels with ease
- Locking 4-pin microphone output connector compatible with included power module and all Audio-Technica UniPak® bodypack wireless transmitters
- Rugged design and construction for reliable performance
- UniSteep® filter provides a steep low-frequency attenuation to improve sound pickup without affecting voice quality
- Offered in black and beige (-TH) models
- RoHS-compliant—free from all substances specified in the EU directive on the reduction of hazardous substances (RoHS)
- Also available in wireless models (without power module) terminated for use with all Audio-Technica UniPak® wireless systems and many other manufacturers' wireless systems

## BP896 Description

The BP896 is a subminiature clip-on/lavalier condenser microphone with an omnidirectional polar pattern. It is designed to provide intelligible, natural audio for stage/television talent, lecturers and houses of worship.

The microphone is intended to be worn on the clothing or hidden in props for excellent yet unobtrusive sound pickup. The wide-range capability of the microphone ensures clean, accurate reproduction with high intelligibility for speakers, presenters and other performers. Its small size makes it ideal for use in applications where minimum visibility is required.

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

The microphone includes a 1.4 m permanently attached miniature cable. Its free end connects to the provided AT8539 power module via a locking 4-pin connector. The connector is also compatible with all Audio-Technica UniPak® body-pack transmitters. The output of the power module is a 3-pin XLRM-type connector.

A recessed switch in the power module permits choice of flat response or low-frequency roll-off (via integral 80 Hz high-pass UniSteep® filter) to help control undesired ambient noise.

The microphone comes equipped with a power module, a clothing clip base, a viper clip base, three single mic holders, two double mic holders, two windscreens and six element covers (two each in black, white and beige) for blending in with users' attire. A protective carrying case is also included. The microphone is available in black and beige.

## Wireless MicroSet® Description

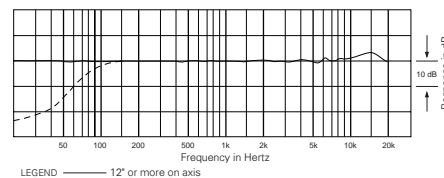
The microphone is also available in a variety of wireless models, including the BP896cW. The BP896cW includes a 1.4 m permanently attached miniature cable terminated with a locking 4-pin connector for use with Audio-Technica UniPak® body-pack transmitters. Models are also available in a variety of terminations for use with many other manufacturers' wireless systems. No power module or belt clip is included (or required) with the wireless models. The wireless models' dimensions, polar pattern and included accessories are otherwise identical to those of the BP896.

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.

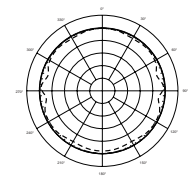
## Specifications

<b>Element</b>	Fixed-charge back plate, permanently polarized condenser
<b>Polar pattern</b>	Omnidirectional
<b>Frequency response</b>	20-20,000 Hz
<b>Low frequency roll-off</b>	80 Hz, 18 dB/octave (wired only)
<b>Open circuit sensitivity</b>	-49 dB (3.5 mV) re 1V at 1 Pa
<b>Impedance</b>	250 ohms (wired only)
<b>Maximum input sound level</b>	135 dB SPL, 1 kHz at 3% T.H.D.
<b>Dynamic range (typical)</b>	104 dB, 1 kHz at Max SPL (wired only)
<b>Signal-to-noise ratio</b>	63 dB, 1 kHz at 1 Pa
<b>Phantom power requirements</b>	11-52V DC, 2 mA typical (wired only)
<b>Current consumption</b>	0.1 mA typical at 5V (wireless only)
<b>Voltage range</b>	2.5-11V (wireless only)
<b>Switch</b>	Flat, roll-off (wired only)
<b>Weight</b>	Microphone (less cable): 0.14 g Power module (wired only): 85 g
<b>Dimensions</b>	Microphone: 10.8 mm long, 2.6 mm diameter Power module: 97.6 mm long, 18.9 mm diameter
<b>Output connector (power module)</b>	Integral 3-pin XLRM-type
<b>Cable</b>	1.4 m long (permanently attached to microphone), 1.6 mm diameter, 2-conductor shielded cable with locking 4-pin connector (wired only)
<b>Accessories furnished</b>	AT8539 power module (wired only); AT8517 windscreens; six element covers (2 white, 2 beige, 2 black); viper clip base; clothing clip base; 3 single mic holders; 2 double mic holders; carrying case

frequency response: 20–20,000 Hz



polar pattern



## Cable Terminations

BP896cW, BP896cW-TH – Terminated with locking 4-pin connector for use with A-T UniPak® body-pack transmitters

	Pin 1	Pin 2	Pin 3	Pin 4
Function	Ground / Shield	Instrument	Mic Audio	Blas + In
Wire Colour	Green	Jumper to Pin 1	Copper Colour	Red

BP896cL4, BP896cL4-TH – Terminated for Sennheiser® wireless systems using Lemo® connector

	Pin 1	Pin 2	Pin 3	Pin 4
Function	Ground / Shield	Blas + In	Mic Audio	Source Load
Wire Colour	Green	Red	Copper Colour	Jumper to Pin 1

BP896cLM3, BP896cLM3-TH – Terminated for Sennheiser® wireless systems using locking 3.5 mm connector

	Sleeve	Ring	Tip
Function	Ground / Shield	Mic Audio	Blas + In
Wire Colour	Green	Copper Colour	Red

BP896cT4, BP896cT4-TH – Terminated for Shure® wireless systems using TA4F-type connector

	Pin 1	Pin 2	Pin 3	Pin 4	Pin 5
Function	Ground / Shield	Blas + In	Mic Audio	Source Load	Line In
Wire Colour	Green	Red	Copper Colour	Jumper to Pin 1	Open

BP896cT5, BP896cT5-TH – Terminated for Lectrosonics® wireless systems using TA5F-type connector

	Pin 1	Pin 2	Pin 3	Shell / Case
Function	N/C	N/C	Blas + In, Mic Audio	Ground / Shield
Wire Colour	Open	Open	Red	Green

BP896c, BP896c-TH – Untermated

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# BP896 / BP896-TH

MicroSet® 领夹式全方向指向性话筒



## 特点

- 微细的超小型领带式话筒设计，适合于广播制作和舞台演出的使用
- 只有2.6mm直径的收音头结构，提供极致的隐藏性和高性能的音频表现
- 非常清晰和自然的音色
- 能轻易应付高声压级电平的收音需要
- 锁固式4针话筒输出端子，可配套连接于有线供电模组，或所有铁三角 Audio-Technica UniPak® 的盒式无线发射机
- 坚固的结构设计，提供具可靠性的表现
- UniSteep® 高通滤波器，提供了一个高效能的高通滤波，提低噪声作出衰减而无损话音的收音质量
- 备有黑色和米黄色(肤色-TH)型号
- 话筒符合RoHS规格，在构造上不含有欧盟禁用的危害性物质
- 设有可配套铁三角 Audio-Technica UniPak® 无线话筒系统或其他厂家的无线系统的款式，输出端子可按需要而配置(不带供电模组)

## BP896 介绍

BP896 微型领带式电容话筒以全方向指向性收音工作，提供清晰而自然的收音效果，具隐藏性的细小体积适合于舞台或电视的演出，亦能应用于讲学及宗教仪式的场合。

话筒是为戴在表演者衣服、领带或发饰上，在不妨碍外观，但有超卓收音效果而设计。具有大范围的收音能力，确保能把讲者、主持人和其他演员的发言作出高清晰度的准确接收。细小的体积使得话筒能非常适合在一些需要的具隐藏性的场合中应用。

话筒需要以11V至52V幻象供电工作。

话筒配置有1.4米长度，幼细而固定装置的连接线，输出为锁固式4针端子，可直接连接于附属的AT8539供电模组工作，亦可配置于所有铁三角 Audio-Technica UniPak® 的盒式无线发射机中。供电模组的输出端为内置3针XLRM卡农公头。

供电模组上设置陷式高通滤波开关，可选择设置为平直的频率响应，或于80 Hz UniSteep® 的高通滤波收音效果，以控制环境中的低频噪声。

话筒套装附设有一个供电模组、一个衣服别针底座、一个蛇型别针底座、三个单话筒支架、两个双话筒支架、两个防风海棉、六个收音头保护盖(白色两个、米黄色两个、黑色两个)可按服饰需要作配饰，另配有一个便携保护袋。而话筒备有黑色及米黄色型号选购。

## MicroSet® 无线配件介绍

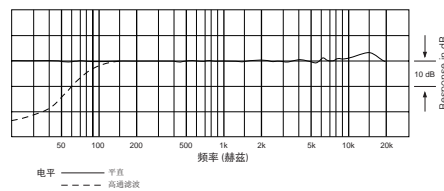
BP896 话筒可配置于无线系统的模式中，型号为BP896cW。该BP896cW 话筒为一个1.4米线长而固定装置的话筒，并连接于铁三角 Audio-Technica UniPak® 的接头，但并不附设供电模组和腰带夹。此型号亦可用转配其他接头，应用于多个其他厂商的无线系统中使用(见下文)。无线话筒配件的大小，指向性和其他附件与BP896型号相同。

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。

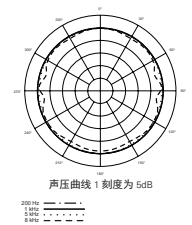
## 技术指标

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	20-20,000 Hz
高通滤波	80 Hz, 18 dB/octave (有线型号)
开通灵敏度	-49 dB (3.5 mV) 以 1V 于 1 Pa
阻抗	250 欧姆 (有线型号)
最高承受声压	135 dB 声压级, 1 kHz 于 3% T.H.D.
动态范围 (典型)	104 dB, 1 kHz 于最高声压级 (有线型号)
讯噪比	63 dB, 1 kHz 于 1 Pa
幻象供电	直流 11-52V, 耗电 2 mA 典型 (有线型号)
耗电	0.1 mA 典型于 5V (无线型号)
电压范围	2.5-11V (无线型号)
开关	平直, 高通滤波 (有线型号)
重量	收音头(不含连线): 0.14 克 供电模组 (有线型号): 85 克
外形尺寸	收音头: 长 10.8 mm, 直径 2.6 mm 供电模组: 长 97.6 mm, 直径 18.9 mm
输出端子 (供电模组)	内置式 3 针卡农公头
连接线	长 1.4 米 (固定连接于话筒), 直径 1.6 mm, 2 芯屏蔽式连线并配置 4 针锁固式端子 (有线型号)
标准配置	AT8539 供电模组 (有线型号); AT8157 防风海棉; 六个收音头保护盖(白色、米黄色、黑色各两个); 衣服别针底座; 蛇型别针底座; 三个单话筒支架; 两个双话筒支架; 便携保护袋

频率响应: 20-20,000 Hz

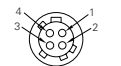


指向特性



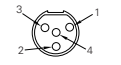
## 接线端子

BP896cW, BP896cW-TH - 以锁固式4针端子，使用于铁三角 A-T UniPak® 盒式无线发射机



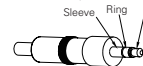
针脚1	针脚2	针脚3	针脚4
功能	地线 / 屏蔽	乐器	话筒音频
导线颜色	绿色	与针脚1 跳线	偏压+输入 红色

BP896cL4, BP896cL4-TH - 以Lemo®端子，使用于 Sennheiser® 无线发射机



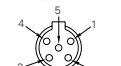
针脚1	针脚2	针脚3	针脚4
功能	地线 / 屏蔽	偏压+输入	话筒音频
导线颜色	绿色	红色	透明铜线 与针脚1 跳线

BP896cLM3, BP896cLM3-TH - 以锁固式3.5 mm端子，使用于 Sennheiser® 无线发射机



Sleeve	Ring	Tip
功能	地线 / 屏蔽	话筒音频
导线颜色	绿色	透明铜线

BP896cT4, BP896cT4-TH - 以TA4F端子，使用于 Shure® 无线发射机



针脚1	针脚2	针脚3	针脚4	针脚5
功能	地线 / 屏蔽	偏压+输入	话筒音频	音频负载
导线颜色	绿色	红色	透明铜线	与针脚1 跳线 不连接

BP896cT5, BP896cT5-TH - 以TA5F端子，使用于 Lectrosonics® 无线发射机



针脚1	针脚2	针脚3	外壳
功能	空置	偏压+输入, 话筒音频	地线 / 屏蔽
导线颜色	不连接	红色	绿色

BP896c, BP896c-TH - 没有连接端子

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