



Audio-Technica Line + Gradient Condenser Microphone AT897 User Manual

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audio-technica

AT897



User Manual / Line + Gradient Condenser Microphone



Thank you for purchasing this product. Before using the product, read through the user manual to ensure that you will use the product correctly. Please keep this manual for future reference.

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Safety precaution

Although this product was designed to be used safely, failing to use it correctly may result in an accident. To ensure safety, observe all warnings and cautions while using the product.

Cautions for the product

- Do not subject the product to a strong impact to avoid malfunction.
- Do not disassemble, modify or attempt to repair the product.
- Do not handle the product with wet hands to avoid electric shock or injury.
- Do not store the product under direct sunlight, near heating devices, or in a hot, humid, or dusty place.

Battery caution

- Keep the battery out of the reach of children.
- Observe correct polarity as marked.
- Do not expose the battery to excessive heat such as sunshine, fire, or the like.
- Always consider the environmental issues and follow local regulations when disposing of batteries.
- Remove the depleted battery immediately.
- The danger of explosion if the battery is incorrectly replaced.
Replace only with the same or equivalent type.
- Use only a disposable R6/LR6 (AA) manganese or alkaline battery.
- Do not use a rechargeable battery.
- Do not use a different battery type or model.
- Do not use a leaking battery. If battery leakage occurs, avoid contact with the skin. If contact occurs, immediately wash thoroughly with soap and water.
- If battery leakage comes into contact with your eyes, immediately flush with water and seek medical attention.

Connection procedure

This product requires phantom power.


1. Connect the output terminals of the microphone to a device that has a microphone input (balanced input) compatible with a phantom power supply.

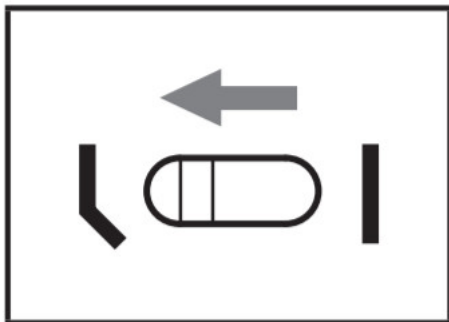
- If the connected device does not support phantom power, insert one specified battery into the product.
2. When attaching to devices such as video cameras, install the included O-rings to the microphone to ensure a tight fit between the microphone holder and microphone.
- Install both O-rings to the location where the microphone attaches to the holder.

How to insert the battery

Rotate the grip and insert the specified battery into the battery holder. Be sure to check the (+) and (-) polarity indications. If phantom power is supplied with a battery inserted, the phantom power has priority.

Switch settings

To reduce the pickup of low-frequency ambient noise (such as traffic, air-handling systems, etc.), room reverberation, and mechanically coupled vibrations, turn ON () the low-cut filter switch located on the side of the product.



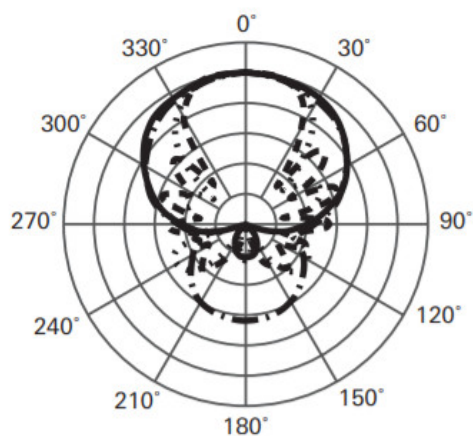
Specifications

Element	Fixed-charge back plate, permanently polarized condenser
Polar pattern	Line + gradient
Frequency response	20-20,000 Hz
Low cut	80 Hz, 18 dB/octave
Open circuit sensitivity	Phantom: -40 dB (10.0 mV) (0 dB=1 V/Pa, 1 kHz) Battery: -41 dB (8.9 mV) (0 dB=1 V/Pa, 1 kHz)
Impedance	Phantom: 250 ohms Battery: 300 ohms
Maximum input sound level	Phantom: 129 dB SPL (1 kHz at 1% THD) Battery: 115 dB SPL (1 kHz at 1% THD)
Dynamic range	Phantom: 112 dB (1 kHz at Max SPL) Battery: 98 dB (1 kHz at Max SPL)
Signal-to-noise ratio	77 dB (1 kHz at 1 Pa, A-weighted)
Phantom power requirements	11-52 V DC, 2 mA
Battery type	1.5 V DC R6/LR6, AA
Battery current / life	0.4 mA / 1200 hours
Switch	Low cut: on/off
Weight	145 g (5.1 oz)
Dimensions	279 mm (11") long, 21 mm (0.83") head diameter
Output connector	Integral 3-pin XLR-M type
Audio-Technica case style	SG2
Included accessories	AT8405a stand clamp for 5/8"-27 threaded stands, 5/8"-27 to 3/8"-16 threaded adapter, AT8134 windscreen, Battery (AA/R6), O-ring×2, Protective carrying case

- 1 Pascal = 10 dynes/cm² = 10 microbars = 94 dB SPL

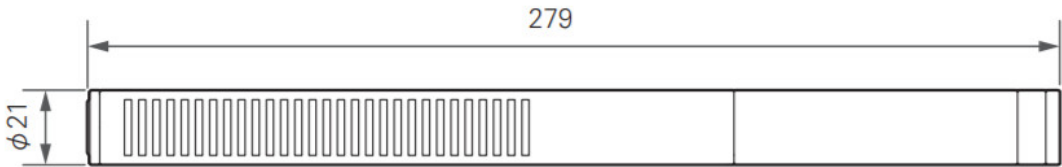
For product improvement, the product is subject to modification without notice.

Polar pattern



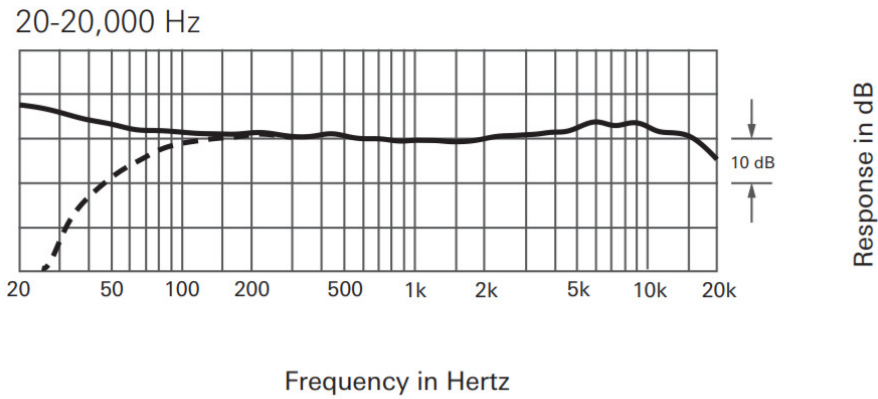


Dimensions



(Unit: mm)

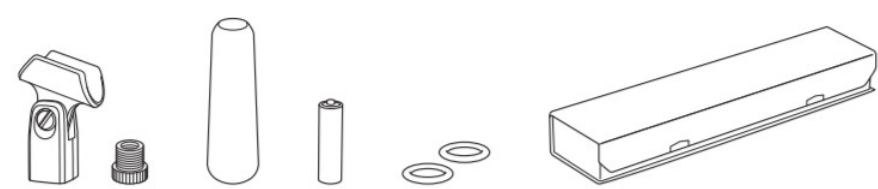
Frequency response



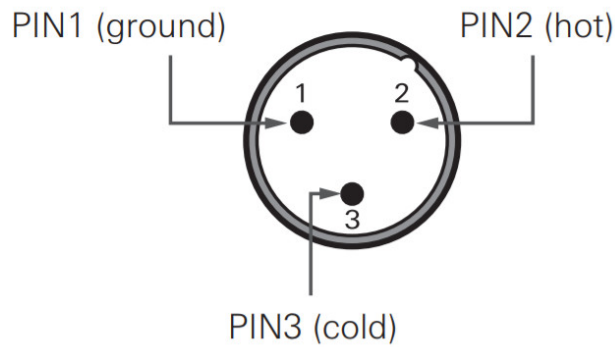
LEGEND

	0°, 50 cm		0°, 50cm,
			0°, 50 cm, Low cut

Included accessories



Output terminals

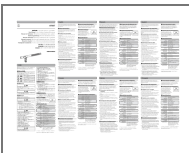


Warranty (Please be sure to read the notes below.)
For USA Only

End-User LIMITED WARRANTY information for the USA is available at www.audio-technica.com/usawarranties. You may also contact Audio-Technica U.S., Inc. to request a written copy of the Limited Warranty at 1-330-686-2600 or via mail at 1221 Commerce Drive, Stow, OH 44224.

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Documents / Resources



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