audio-technica AT4040 Cardioid Condenser Side Address Microphone User Manual

Contents

audio-technica

audio-technica AT4040 Cardioid Condenser Side Address Microphone

Product Usage Instructions

Safety Precautions
Although designed for safe use, failure to use the product correctly may result in accidents. Observe all warnings and cautions while using the product.

Cautions for the Product
Avoid exposing the product to hot, humid, or dusty environments.

Notes on Use

Connection Procedure: Connect the output terminals of the microphone to a device with a compatible microphone input (balanced input) that supports phantom power supply. The output connector is XLRM-type with specific polarity.

Switch Settings
To reduce ambient noise and room reverberation, use the low-cut filter switch. For high input sound levels, set the pad switch to -10 dB.

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.

Features

- Specially engineered to meet the most critical acoustic requirements of professional recording, broadcast and sound reinforcement
- Technically advanced large diaphragm tensioned specifically to provide smooth, natural sonic characteristics
- Transformerless circuitry virtually eliminates low-frequency distortion and provides superior correlation of the high-speed transients Exceptionally low self-noise, wide dynamic range and high SPL capability
- Precision-machined, nickel-plated brass, acoustic element baffle provides enhanced element stability and optimal sensitivity
- Open acoustical environment of the symmetrical housing assembly minimizes unwanted internal reflections
- Custom shock mount provides superior isolation

- Integral 80 Hz low-cut filter switch and 10 dB pad switch
- State-of-the-art design and manufacturing techniques ensure compliance with A-T's stringent consistency and reliability standards

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

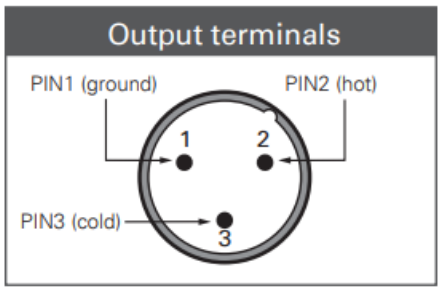
- Do not subject the product to strong impact to avoid malfunction.
- Do not disassemble, modify or attempt to repair the product.
- Do not handle the product with wet hands to avoid electric shock or injury.
- Do not store the product under direct sunlight, near heating devices or in a hot, humid or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

Notes on use

- A raised Audio-Technica emblem is on the front of the microphone. Position this side of the microphone toward the sound source.
- In use, secure the cable to the microphone stand or boom, leaving a slack loop at the microphone.
- This will ensure the most effective shock isolation and reduce the possibility of accidentally pulling the microphone out of its mount.

Connection procedure

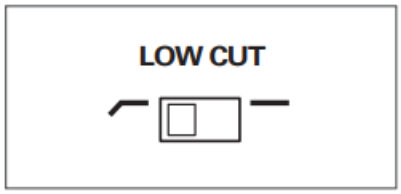
Connect the output terminals of the microphone to a device that has a microphone input (balanced input) compatible with a phantom power supply. The output connector is an XLRM-type with polarity as shown in the figure below.

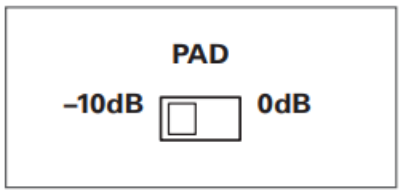


This product requires 48 V DC phantom power.

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.
- If audio input exceeds the maximum input sound level, set the pad switch to -10 dB.





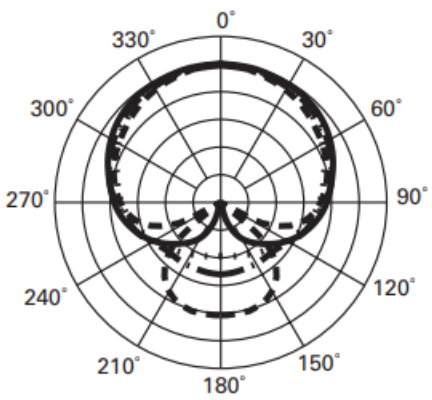
Specifications

Element	Externally-polarized (DC bias) condenser
Polar pattern	Cardioid
Frequency response	20-20,000 Hz
Low cut	80 Hz, 12 dB/octave
Pad	-10 dB
Open circuit sensitivity	-32 dB (25.1 mV) (0 dB = 1 V/Pa, 1 kHz)
Impedance	100 ohms
Maximum input sound level	145 dB SPL (1 kHz at 1% THD) 155 dB SPL (When pad is on.)
Noise	12 dB SPL (A-weighted)
Dynamic range	133 dB (1 kHz at Max SPL)
Signal-to-noise ratio	82 dB (1 kHz at 1 Pa, A-weighted)
Phantom power requirements	48 V DC, 4.2 mA
Switches	Low cut: on/off, Pad: on/off
Weight	360 g (12.7 oz)
Dimensions	170.0 mm (6.69") long, 53.4 mm (2.10") maximum body diameter
Output connector	Integral 3-pin XLR-M type
Audio-Technica case style	R1
Included accessories	AT8449a shock mount, stand adapter (3/8"-5/8"), microphone dust cover, carry case

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

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

Polar pattern



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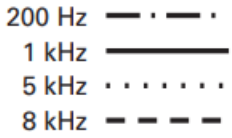
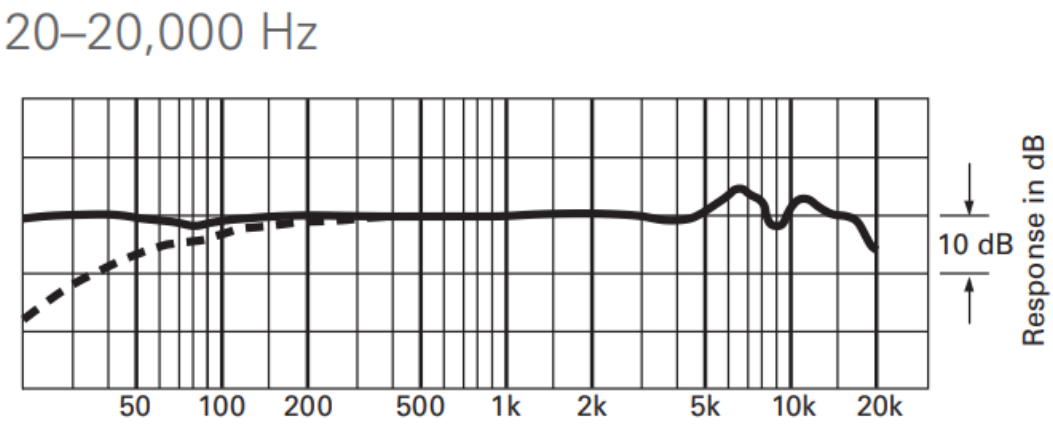


Frequency response

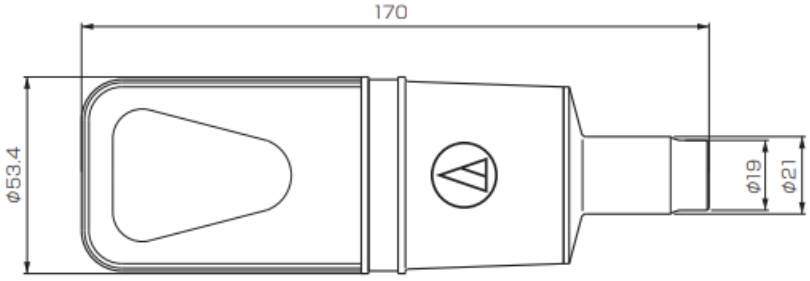


Frequency in Hertz

LEGEND

	0°, 50cm		0°, 50cm,
	0°, 50 cm		0°, 50 cm, Low cut
	0°, 50 cm		0°, 50 cm, coupe-bas
	0°, 50 cm		0°, 50 cm, Low Cut
	0°, 50 cm		0°, 50 cm, passa-alto
	0°, 50 cm		0°, 50 cm, paso alto
	0°, 50 cm		0°, 50 cm, corte baixo
	0°, 50 см 0° , 50cm		0°, 50 см,
	0° 50 cm		0° 50 cm
	0° 50 cm		0° 50 cm

Dimensions



Unit

Included accessories

(This warranty is valid only when purchased and used the product in Japan.)

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FAQS

Q: What is the recommended phantom power for this microphone?
A: This product requires a 48 V DC phantom power supply.

Q: How do I reduce ambient noise with this microphone?
A: Turn ON the low-cut filter switch located on the side of the product to reduce low-frequency ambient noise.

Documents / Resources

	audio-technica AT4040 Cardioid Condenser Side Address Microphone [pdf] User Manual AT4040 Cardioid Condenser Side Address Microphone, AT4040, Cardioid Condenser Side Address Microphone, Condenser Side Address Microphone, Side Address Microphone, Microphone

References

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- One moment, please...
- Global Support Audio-Technica Corporation
- User Manual