



AT5040 | STUDIO VOCAL
MICROPHONE

Introducing Audio-Technica's premier studio vocal microphone, the AT5040 cardioid condenser. The debut of our flagship 50 Series, the AT5040 represents a milestone in condenser design, offering remarkably musical high-fidelity performance, with profound realism and depth, presence and purity of sound.

AT5040

STUDIO VOCAL MICROPHONE



Listen for more: purity, presence, depth & detail

Designed as a first-choice vocal microphone, the AT5040 features an extremely smooth top end with controlled sibilance. Large-diaphragm characteristics and fast transient response also make it ideal for recording acoustic instruments such as piano, guitar, strings and saxophone.

Four-part rectangular element

The first of our design criteria for the AT5040 was purity of sound. To achieve this, Audio-Technica engineers developed a four-part rectangular element, the pinnacle of our recent breakthroughs in sound-capture technology. Four exquisitely matched ultra-thin diaphragms function together (with outputs proprietarily summed) as Audio-Technica's largest-ever element, providing combined surface area twice that of a standard one-inch circular diaphragm.

By using four diaphragms in a single capsule, the AT5040 delivers the benefits of an exceptionally large diaphragm – along with an extremely low noise floor – without increased weight, decreased transient response or other drawbacks that typically restrict diaphragm size.

Another key AT5040 design feature is advanced internal shock mounting that effectively decouples the capsule from the microphone body. For additional isolation, each AT5040 is also provided with Audio-Technica's innovative new AT8480 shock mount.

100% quality control

Every AT5040 is hand assembled and individually inspected for 100% quality control. Each microphone is enclosed in an elegant housing of aluminum and brass with high-quality gray finish for durability and low reflectivity. Discrete components have been selected for optimized capsule performance; in fact, every aspect of the microphone has been carefully considered to minimize any effects on the audio signal.

Pure innovation

As much as we admire the great microphones of the world, this new 50 Series cardioid condenser is pure innovation, not emulation. Wherever your passion for music takes you, listen for the purity, presence, depth and detail of Audio-Technica's AT5040, our new standard in studio condenser microphones.





AT5040 | STUDIO VOCAL MICROPHONE



- Audio-Technica's premier studio condenser vocal microphone
- Extremely musical high-fidelity performance, with profound realism and depth, presence and purity of sound
- Four rectangular diaphragms (2 micron) function together as Audio-Technica's largest-ever element, providing combined surface area twice that of a standard circular one-inch diaphragm
- Exceptionally low noise and wide dynamic range ideal for studio vocals
- Discrete components carefully selected for optimized capsule performance
- High-SPL capability and extended frequency response
- Hand built and inspected for 100% quality control
- Advanced internal shock mounting decouples the capsule from the microphone body
- Elegant, durable housing of aluminum and brass
- Included advanced-design custom AT8480 shock mount provides superior isolation
- Custom hard-shell carrying case with die-cut foam compartments offers protection during storage and transport

Specifications

Element Fixed-charge back plate, permanently polarized condenser

Polar pattern Cardioid

Frequency response 20–20,000 Hz

Impedance 50 ohms

Open circuit sensitivity –25 dB (56.2 mV) re 1V at 1 Pa*

Maximum input sound level 142 dB SPL, 1 kHz at 1% T.H.D.

Noise¹ 5 dB SPL

Dynamic range (typical) 137 dB, 1 kHz at Max SPL

Signal-to-noise ratio¹ 89 dB, 1 kHz at 1 Pa*

Phantom power requirements 48V DC, 3.8 mA typical

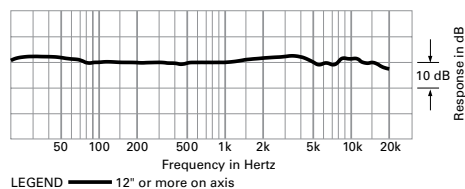
Weight 582 g (20.5 oz)

Dimensions 165.3 mm (6.51") long, 57.0 mm (2.24") maximum body diameter

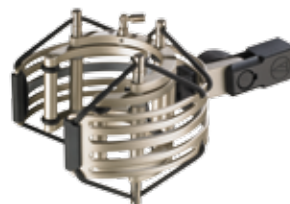
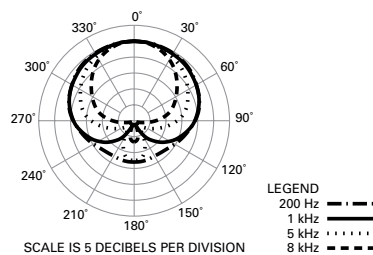
Output connector Integral 3-pin XLRM-type

Accessories furnished AT8480 shock mount for 5/8"-27 threaded stands; protective carrying case

Frequency Response



Polar Pattern



AT8480 Shock Mount



Bottom of Microphone

 **audio-technica**
always listening

Audio-Technica U.S., Inc. 1221 Commerce Drive, Stow, Ohio 44224
(330) 686-2600 E-mail: pro@atus.com audio-technica.com
©2012 Audio-Technica U.S., Inc. Form No. 0347-1200-00

*1 Pascal = 10 dynes/cm² = 10 microbars = 94 dB SPL ¹ Typical, A-weighted, using Audio Precision System One. Specifications are subject to change without notice.