

NEWS RELEASE

Contact: [Clyne Media, Inc.](#)

Tel: (615) 662-1616

Fax: (615) 662-1636

FOR IMMEDIATE RELEASE

Audio-Technica Debuts New AT5045 Cardioid Condenser Microphone

— The hand-built AT5045 is the ultimate studio condenser instrument microphone and the latest addition to A-T's flagship 50 Series —

137th AES CONVENTION, LOS ANGELES, CA, October 10, 2014 — [Audio-Technica](#) (booth 1301), a leading innovator in transducer technology for over 50 years, is introducing the [AT5045 Cardioid Condenser Microphone](#), the latest addition to A-T's flagship 50 Series of premier studio microphones. The hand-built AT5045 is a “stick-design,” large-diaphragm electret side-address condenser instrument microphone with a cardioid polar pattern that enables the user to capture audio with profound realism and depth, translating the natural sound of the instrument. Available separately or as stereo pairs (AT5045P), the mics are engineered to meet the most critical requirements of professional recording. The AT5045 features a large diaphragm, fast transient response, low noise, the ability to handle high sound pressure levels (149 dB SPL), and one of the widest dynamic range specs available (141 dB). These specs make it an ideal instrument microphone, designed specifically for use on overheads, percussion, acoustic guitar, strings and other acoustic instruments in professional studio applications.

Featuring a proprietary breakthrough in element design, the AT5045 employs a large, rectangular element, carefully created by A-T engineers to improve transient response and increase response bandwidth. Discrete components were carefully selected for the AT5045,

optimizing performance. The two-micron-thick, vapor-deposited gold diaphragm has been aged to achieve optimum sonic characteristics that will remain constant over years of use. The cardioid polar pattern of the microphone is more sensitive to sound originating directly in front of the element, making it effective in reducing pickup of unwanted sounds and providing isolation of the instrument. Another key AT5045 design feature is its advanced internal shock mounting, which effectively decouples the capsule from the microphone body. For additional isolation, the AT5045 comes with an innovative isolation clamp that was engineered not only to isolate the microphone, but also to provide versatile positioning while offering effective dampening of unwanted mechanical noise and unwanted resonances that could be transmitted to the microphone.

The AT5045 is enclosed in an elegant, rugged housing of aluminum and brass, which also allows it to be used for live-sound applications. The included AT8481 isolation clamp permits mounting on any microphone stand with $\frac{5}{8}$ "-27 threads. An AT8165 windscreen and custom hard-shell carrying case are also included.

AT5045 Specifications:

- Element: Fixed-charge back plate, permanently polarized condenser
- Polar pattern: Cardioid
- Frequency response: 20 – 20,000 Hz
- Open circuit sensitivity: –35 dB (17.7 mV) re 1V at 1 Pa
- Impedance: 100 ohms
- Maximum input sound level: 149 dB SPL, 1 kHz at 1% T.H.D.
- Noise: 8 dB SPL
- Dynamic range (typical): 141 dB, 1 kHz at Max SPL
- Signal-to-noise ratio: 86 dB, 1 kHz at 1 Pa
- Requires 48V phantom power for operation

The AT5045 (single microphone) and AT5045P (stereo pair) will be available in October with U.S. MSRP pricing of \$1399 for AT5045 and \$2499 for AT5045P.

For more information, please visit www.audio-technica.com.

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Photo File: AT5045.JPG

Click here for [AT5045](#) microphone product profile with downloadable high-res photos.

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Celebrating over 50 years of audio excellence worldwide, Audio-Technica is a leading innovator in transducer technology, renowned for the design and manufacture of microphones, wireless microphones, headphones, mixers, and electronics for the audio industry.

—For more information on the complete range of Audio-Technica products, contact Karen Emerson, Audio-Technica U.S., Inc., 1221 Commerce Drive, Stow, OH 44224. Tel: (330) 686-2600; Fax: (330) 688-3752; Web: www.audio-technica.com

— For further information regarding product availability and pricing in the United Kingdom, please contact Tom Harrold (tharrold@audio-technica.co.uk) or visit our media centre at www.eu.audio-technica.com/en/news/; in Germany, please contact Alexandra Bischof (abischof@audio-technica.de); in the rest of Europe, please contact Evangéline Pirot (epirot@audio-technica-europe.com).

Audio-Technica is exhibiting at booth 1301 at the 137th AES Convention in Los Angeles, CA.