



Audio-Technica Introduces ES954 Hanging Microphone Array

— New hanging mic array is ideal for conference rooms and other meeting spaces —

Bangalore, September 18, 2018 — Audio-Technica, a leading innovator in transducer technology for over 50 years, introduces the ES954 Hanging Microphone Array, an ideal, cost-effective solution for huddle rooms, conference rooms and other meeting spaces. When controlled by the Audio-Technica ATDM-0604 Digital SmartMixer®, the four-capsule microphone array provides 360-degree coverage through virtual hypercardioid or cardioid outputs which can be steered horizontally and tilted vertically.

Intended primarily for videoconferencing applications, the ES954 may be used singly or in multiples to capture every person speaking in a room, with the total number of channels restricted only by the capacity of the mixer or DSP device controlling the system. When using the ATDM-0604 Digital SmartMixer the intuitive graphic interface enables control of the width and orientation of each virtual polar pattern, which may be steered in 30-degree increments, with a tilt function accommodating differing ceiling heights or users that are sitting/standing.

The ES954 Hanging Microphone Array features a permanently attached 1.2-meter (4-foot) cable with locking grommet enabling easy microphone height adjustment. UniGuard® RFI-shielding technology offers outstanding rejection of radio frequency interference (RFI). The package includes a Plenum-rated AT8554 Ceiling Mount with RJ45 connectors and push-type wire terminals for simple, secure installation. The ES954 connects to the mixer over a pair of standard Cat 5 cables. Two RJ45 breakout cables are provided to input the four channels, plus an LED tally, into the mixer. An integral, logic-controlled 360-degree red/green LED ring provides clear indication of the array's mute status.

A simple setup might include a single ES954 over the center of a conference table configured from the mixer to provide coverage via four identical quadrants. Used in conjunction with a gate on each microphone channel, the system could be configured to automatically follow anyone talking while moving around the space.

Alternative seating arrangements in the room can be accommodated by re-orienting each of the four microphone patterns in the mixer's software. Different seating configurations and associated coverage patterns can be saved as presets in the mixer for quick recall. In larger rooms, multiple ES954 microphone arrays could be installed — for instance, one at each end of a long conference table — and the polar patterns of the multiple microphone arrays steered and widened or narrowed accordingly.

ES954 Features:

- Quad-capsule steerable microphone array designed for use with the ATDM-0604 Digital SmartMixer® and other compatible mixers
- When controlled by the ATDM-0604, provides 360° coverage from a potentially limitless number (bound by mixer channel count) of virtual hypercardioid or cardioid outputs that can be steered in 30° increments to clearly capture every person speaking in a room
- Mixer-controlled tilt function provides a vertical steering option to accommodate ceilings of different heights or users that are sitting/standing.



- Includes Plenum-rated AT8554 Ceiling Mount with RJ45 connectors and push-type wire terminals for simple, secure installation
- Integral, logic-controlled 360-degree red/green LED ring provides clear indication of mute status
- High-output design with low self-noise delivers strong, natural-sounding vocal reproduction
- Low-reflective white finish matches ceiling tiles in most environments
- Includes two 46 cm (18") breakout cables: RJ45 (female) to three 3-pin Phoenix (female); RJ45 (female) to 3-pin Phoenix (female) and unterminated LED conductors
- Permanently attached 1.2 m (4') cable with locking grommet enableseasy microphone height adjustment
- Included seismic cable secures the AT8554 Ceiling Mount to a drop ceiling grid
- UniGuard® RFI-shielding technology offers outstanding rejection of radio frequency interference (RFI)
- Requires 11V to 52V DC phantom power

ES954 Specifications:

- Elements: Fixed-charge back plate, permanently polarized condenser
- Polar pattern: Omnidirectional (O)/Figure-of-eight (L/R/Z)
- Frequency response 20 to 16,000 Hz
- Open circuit sensitivity O/L/R: -36 dB (15.85mV) (0 dB=1V/Pa,1 kHz); Z: -38.5 dB (11.9 mV) (0 dB=1 V/Pa,1 kHz)
- Impedance 100 ohms
- Maximum input sound level O/L/R: 132.5 dB SPL (1 kHz at 1% THD); Z: 135 dB SPL (1 kHz at 1% THD)
- Signal-to-noise ratio O/L/R: 66.5 dB (1 kHz at 1 Pa, A-weighted); Z: 64 dB (1 kHz at 1 Pa, A-weighted)
- Phantom power requirements: 11-52V DC, 23.2 mA (both channels total)
- Weight Mic: 160 g (5.6 oz); Ceiling Mount (AT8554): 420 g (14.8 oz)
- Dimensions Mic: Max. body dia.: 61.6 mm (2.43"); Height: 111.8 mm (4.40")
- Ceiling Mount (AT8554): 36.6 mm H (1.44") × 106.0 mm (4.17") W × 106.0 mm (4.17") D
- Output connector: Euroblock connector

The ES954 Hanging Microphone Array will be available in India from November, 2018. For more information, please visit www.audio-technica.co.in.

About the company

Established in 1962, Audio-Technica Corporation is a worldwide group of companies devoted to the design, manufacture, marketing and distribution of problem-solving audio equipment. Initially known for state-of-the-art phonograph cartridges, A-T now creates high-performance microphones, headphones, wireless systems, conference systems, mixers, and electronic products for home and professional use. Drawing from its audiophile heritage, Audio-Technica remains dedicated to providing music enthusiasts with great-sounding, innovative audio gear, including the award-winning QuietPoint® active noise-cancelling headphones, popular ATH-M50x monitor headphones, versatile USB microphones, and new Hi-Res Audio headphones and high-fidelity gaming headsets. Audio-Technica Corporation in Japan, in addition to offering a wide range of products under its own brand, is a leading OEM supplier of audio transducers, optical sensors and a variety of specialty devices. Winner of numerous industry awards, Audio-Technica manufactures products that set quality, durability and price/performance standards for live sound tours, broadcast and recording studios, corporate and government facilities, house-of-worship venues, and more. It is the reputation and dedication of Audio-Technica and its innovation and precession that has resulted in Audio-Technica being the number one headphone brand by volume in Japan for nine years running. More information can be found at www.audio-technica.co.in.

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