

ES964

Boundary Microphone Array



Overview

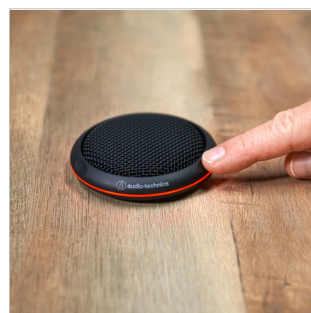
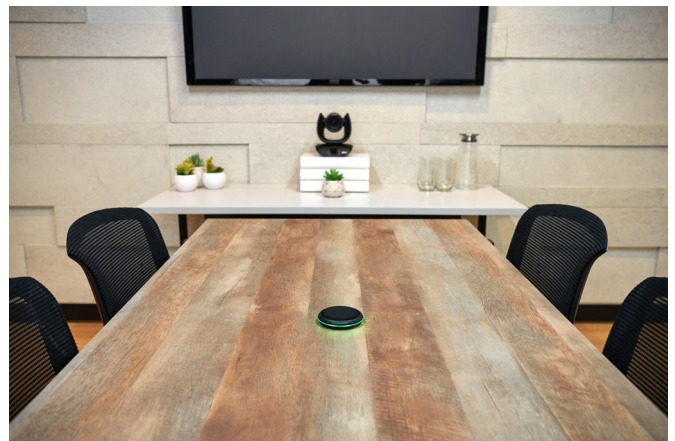
The ES964 is a compact boundary microphone array that is simple to install and provides clear audio for multi-person conference environments.

This microphone is designed for small-group online conferences, and for businesses that are considering installation or expansion of shared or permanent conference spaces.

With its low-profile design, the microphone takes up minimal space on a tabletop, but still captures clear, natural sound for online calls.

Features

- Hypercardioid and cardioid polar patterns can be formed 360 degrees around the microphone when used with the ATDM Series Digital SmartMixer® or compatible mixers
- Multiple and simultaneous pickup patterns can be made to suit the seating positions of conference participants
- Easily control the microphone from any position via three MUTE touch controls
- Create an optimal audio environment for calls via touch controls for talking, muting, or localizing sound or changing the LED colors
- Microphone ON/OFF status is indicated by seven LED colors that can be changed to match your branding or call environment
- LED ring visible from any direction
- Compatible with 20 to 52 V DC phantom power supplies
- Proprietary shielding technology that protects the audio signals from radio frequency interference (RFI)
- Low-profile, space-saving design: 88 mm (3.5") diameter, 22 mm (0.87") height
- Fixable to the table with a dedicated 20 mm (0.79") jig in a 30 mm (1.2") diameter hole, or with general-purpose M3 screws
- Includes cables (RJ45 breakout cables x 2) necessary for connecting to a mixer; two standard RJ45 cables are required separately for transporting audio and control signals



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Specifications

Elements	Fixed-charge back plate, permanently polarized condenser
Polar pattern	Adjustable: Cardioid (Wide) / Hypercardioid (Normal)
Frequency response	20 to 15,000 Hz
Open circuit sensitivity	Wide: -33 dBV (22.4 mV) (0 dB = 1V/Pa, 1 kHz) Normal: -35 dBV (17.8 mV) (0 dB = 1V/Pa, 1 kHz)
Impedance	100 ohms
Maximum input sound level	Wide/Normal: 136.5 dB SPL (1 kHz THD1%)
Signal-to-noise ratio	Wide: 68.5 dB (1 kHz at 1Pa, A characteristic) Normal: 67.5 dB (1 kHz at 1Pa, A characteristic)
Switch	SW.FUNCTION: TOUCH ON/OFF, MOM.ON, MOM.OFF CONTROL: LOCAL, REMOTE, LED REMOTE
Phantom power requirements	DC 20 to 52 V, 19.8 mA (total for all channels)
Contact Closure	Closure input voltage: -0.5 to 5.5 V Maximum allowable power: 200 mW On-resistance: 100 ohms
LED control	Active High (+5 V DC) TTL compatible Active low voltage: 1.2 V or lower Maximum allowable input voltage: -0.5 to 5.5 V Maximum allowable power: 200 mW
Weight	Microphone: 364 g (12.8 oz)
Dimensions (Microphone)	Maximum body diameter: 88 mm (3.5") Height: 22 mm (0.9")
Output connector	Euroblock connector
Accessories	<ul style="list-style-type: none"> • RJ45 breakout cable × 2 • Table mount adapter • Retaining nut • Isolator • Table mount adapter mounting screw × 3

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

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

