

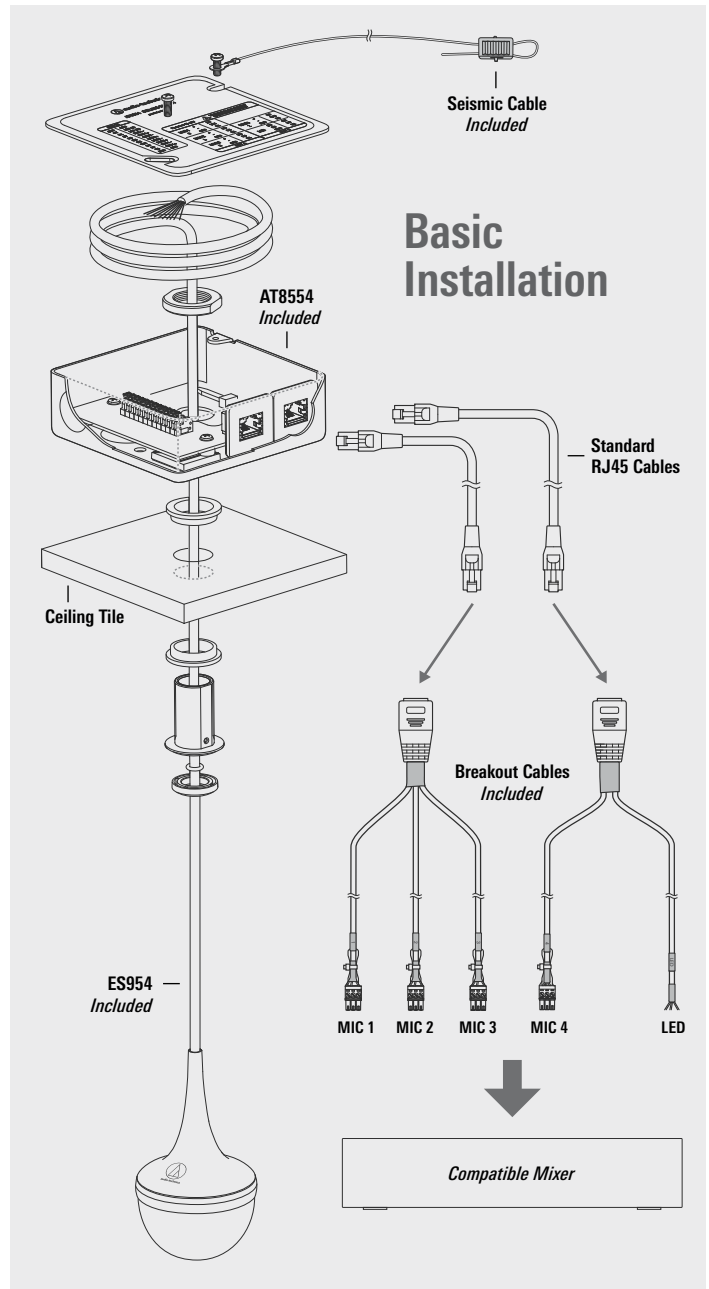
# **ES954** **Hanging Microphone Array**

Third Party Connection Diagram

# ES954 Hanging Microphone Array

- Ideal, cost-effective solution for huddle rooms, conference rooms and other meeting spaces
- Quad-capsule steerable microphone array designed for use with the ATDM-0604 Digital SmartMixer® and other compatible mixers
- When controlled by a compatible mixer, provides 360° coverage from a potentially limitless number (bound by mixer channel count) of virtual hypercardioid or cardioid pickups 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
- Includes Plenum-rated AT8554 Ceiling Mount with RJ45 connectors and push-type wire terminals for simple, secure installation
- Integral, logic-controlled 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 enables quick 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

## Includes



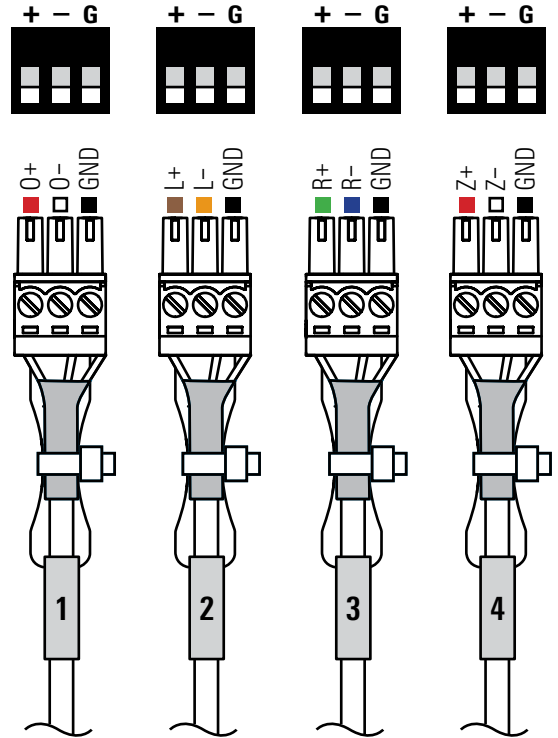
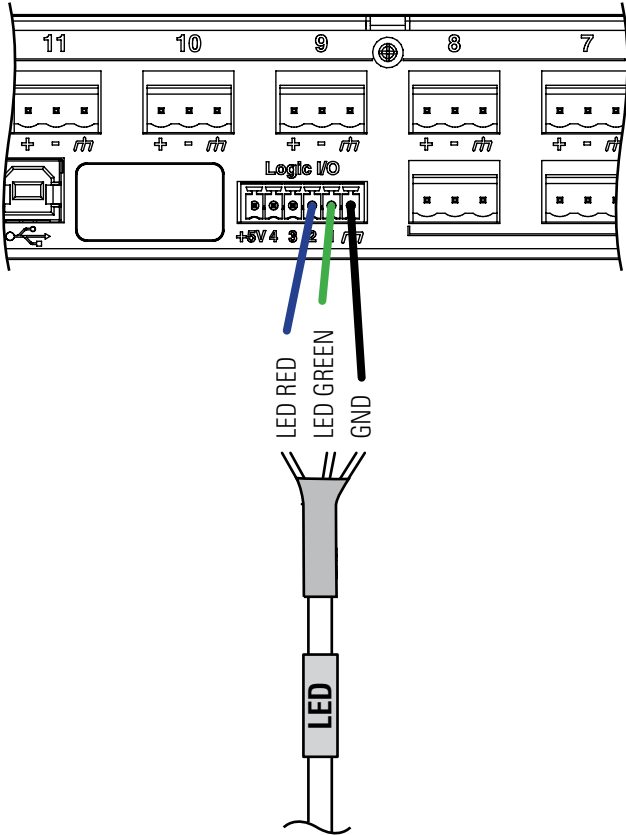
## Specifications

<b>Elements</b>	Fixed-charge back plate, permanently polarized condenser
<b>Polar pattern</b>	Omnidirectional (O)/Figure-of-eight (L/R/Z)
<b>Frequency response</b>	20 to 16,000 Hz
<b>Open circuit sensitivity</b>	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)
<b>Impedance</b>	100 ohms
<b>Maximum input sound level</b>	O/L/R: 132.5 dB SPL (1 kHz at 1% THD) Z: 135 dB SPL (1 kHz at 1% THD)
<b>Signal-to-noise ratio</b>	O/L/R: 66.5 dB (1 kHz at 1 Pa, A-weighted) Z: 64 dB (1 kHz at 1 Pa, A-weighted)
<b>Phantom power requirements</b>	11-52V DC, 23.2 mA (both channels total)
<b>Weight</b>	Mic: 160 g (5.6 oz); Ceiling Mount (AT8554): 420 g (14.8 oz)
<b>Dimensions</b>	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
<b>Output connector</b>	Euroblock connector

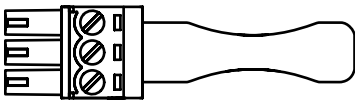
1 Pascal = 10 dynes/cm<sup>2</sup> = 10 microbars = 94 dB SPL  
For product improvement, the product is subject to modification without notice.



Tesira FORTE



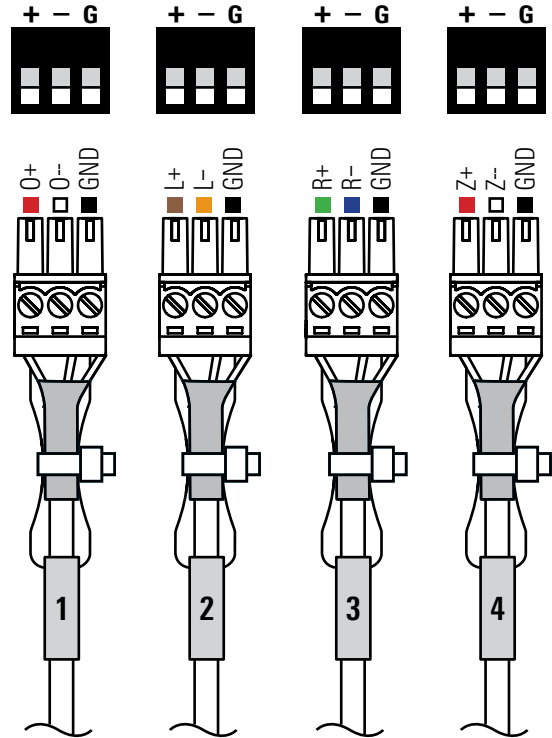
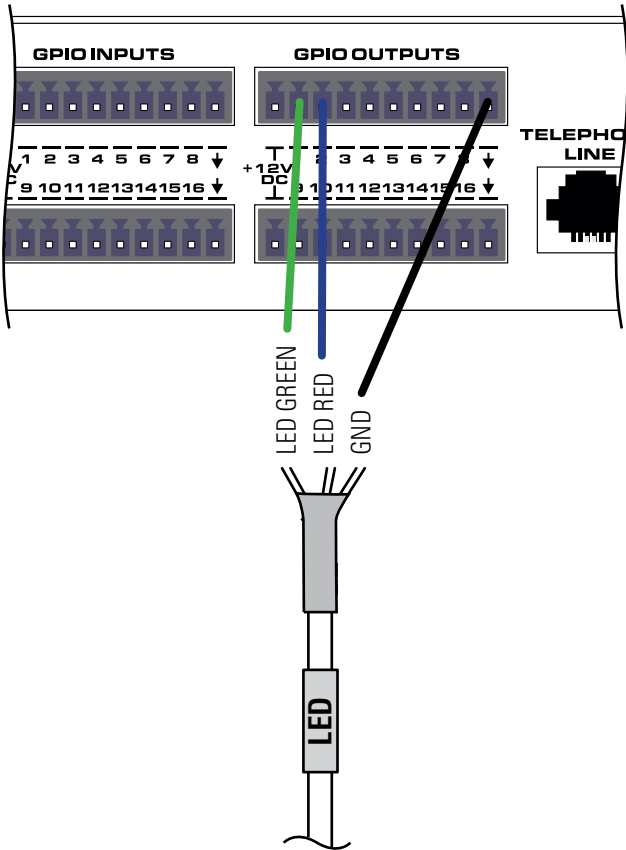
All Biamp inputs and outputs use 5.08 mm Phoenix or euro-block connections.



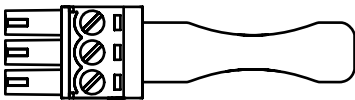
# ES954 QSC Connection Diagram



Q-SYS Core 110f Unified Core Processor



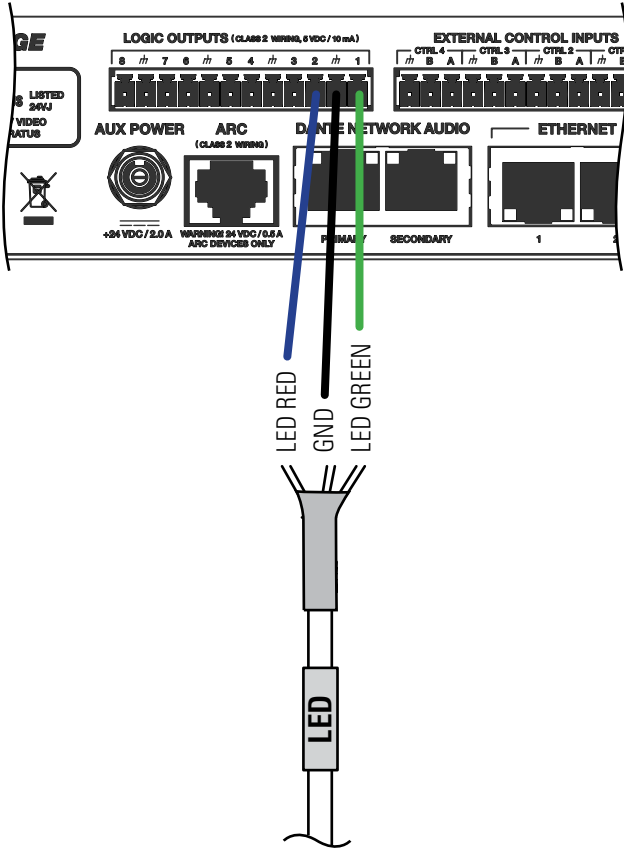
All QSC inputs and outputs use 3.5 mm Phoenix or euro-block connections.



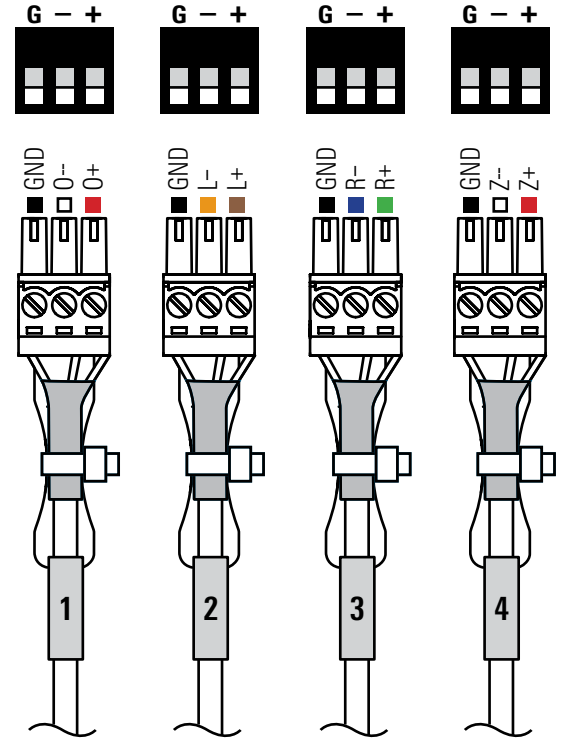
# ES954 Symetrix Connection Diagram



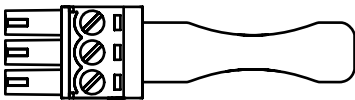
Symetrix Edge DSP



**NOTE:** The ES954 comes pre-terminated for use with the Audio-Technica ATDM-0604. When using the ES954 with Symetrix devices it *must be rewired as polarity is reversed.*



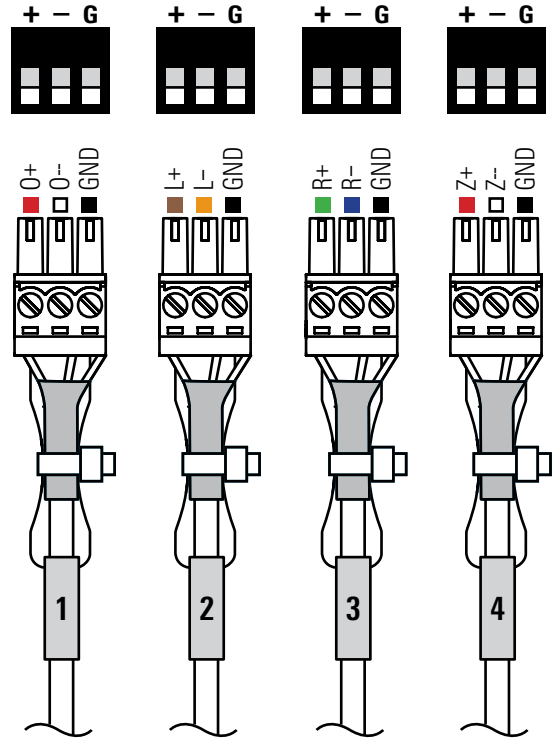
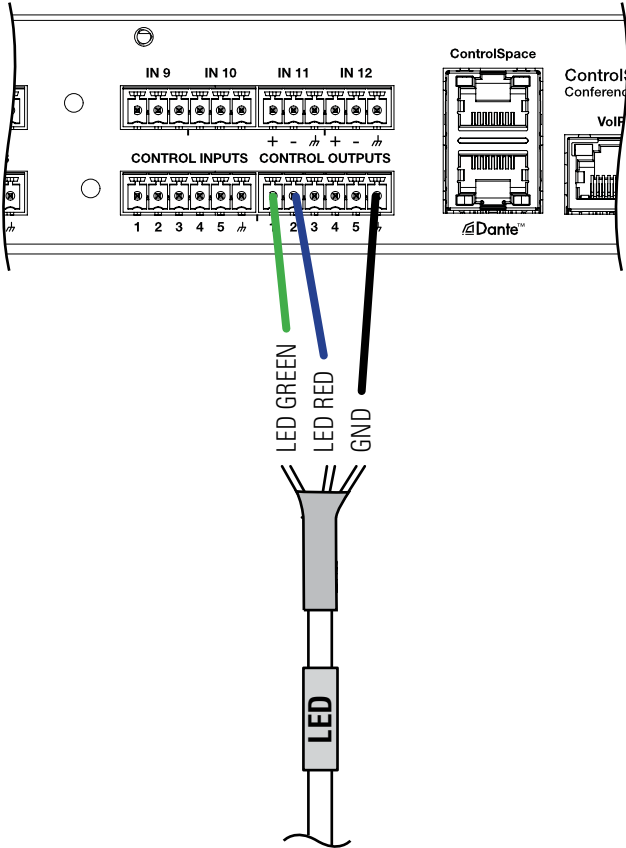
All Symetrix inputs and outputs use 3.81 mm Phoenix or euro-block connections.



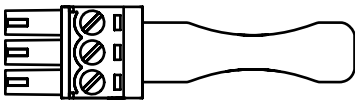
# ES954 Base Connection Diagram



## ControlSpace® EX-1280C Signal Processor



All Bose inputs and outputs use 3.81 mm Phoenix or euro-block connections.



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