

PANORAMA MS34

MID+SIDE OR MONO SPEAKER ENCLOSURE



FEATURES

- Mid+Side or Mono operation
- 1 × 4" + compression driver coaxial
- 2 × 4" full-range drivers
- 2 × 3.5" passive radiators
- 100° Conical Coverage Pattern
- IP55 + Salt Water Resistant

APPLICATIONS

- Restaurants
- Lounges
- Outdoor Systems
- Front fills
- Under-balcony fills

DESCRIPTION

The Panorama MS34 is a two-channel, point source loudspeaker system that can provide the listener with a mono sound field surrounded by the wide spatialization of stereo.

The system uses the M+S Controller matrix to receive a L/R stereo signal and divide it into mono (mid) plus sides. Using specific DSP presets, the MS34 then reproduces the mid signal through its central coaxial transducer and the side signals with the two lateral full-range drivers, thus preserving the true mono, while enveloping the listener with a spatialized stereo image. Alternatively, via a switch on the connection panel and different DSP presets, the MS34 can serve as a stand-alone mono, point source loudspeaker, with improved off-axis frequency response and an additional 5 dB of potential SPL. This loudspeaker is "one of a kind" as a front fill, under-balcony fill or monitor, as well as for distributed installations.

SPECIFICATIONS

Audio Specifications

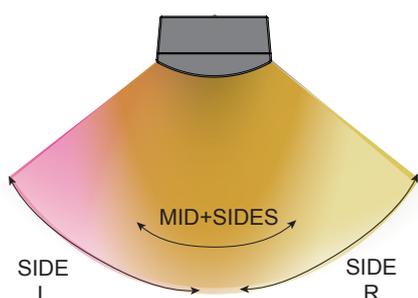
- Description:** 2-channel, coaxial + full-range, point source enclosure with switchable M+S or Mono modes
- Bandwidth:** 95 Hz – 18 kHz (-6 dB)
- Max SPL:** 114 dB SPL @ 1 m with preset
- Power:** 200+200 W (program), 100+100 W (AES)
- Directivity:** 100° conical (-6 dB)
- Elements:** (1) coaxial transducer with a 4" LF element and a HF compression driver with a 1.4" voice coil, (2) 4" full range drivers, (2) 3.5" passive radiators
- Impedance:** 16 Ω + 16 Ω
- Connectors:** (2) NL4 plus a switch which changes M+S mode to mono (line source) mode

Mechanical Specifications

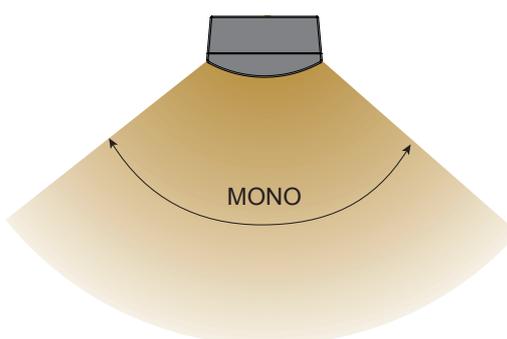
- IP Rating:** IP55 indoor/outdoor and salt water resistant
- Rigging:** (2) points M6
- Weight:** 9.4 lbs / 4.3 kg
- Construction:** Finland birch plywood (urea glue), matte salt and UV resistant coating, 316 stainless steel hardware, 3D spacer mesh fabric
- Dimensions:** 13.6" (346 mm) x 5.6" (144 mm) x 7.7" (197 mm)
- Colors:** Stocking black and white, custom colors and fabrics available
- Accessories:** C-Clamp (wall, truss, mic stand, ceiling mounting), L-bracket, Universal Mounting Plate, Pole Mount Adaptor

DIRECTIVITY

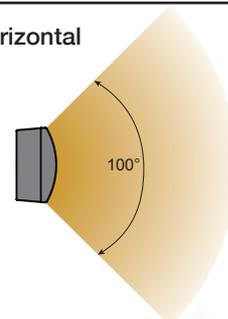
Horizontal Coverage M+S Mode



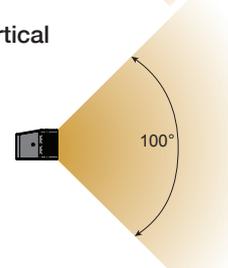
Horizontal Coverage Mono Mode



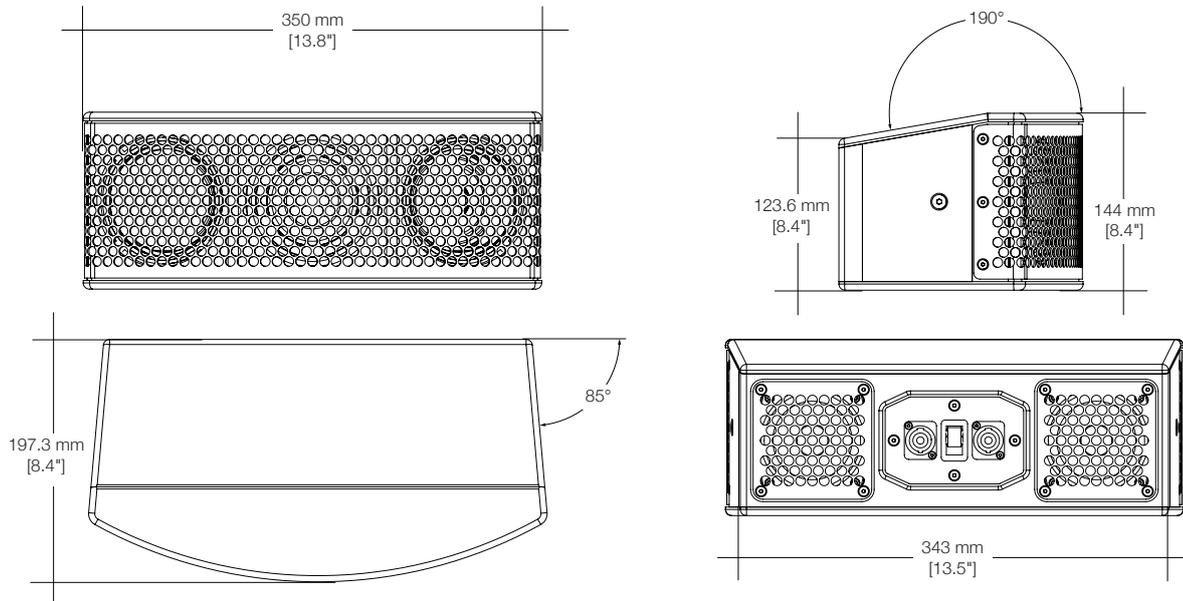
Horizontal



Vertical



DIMENSIONS



RIGGING

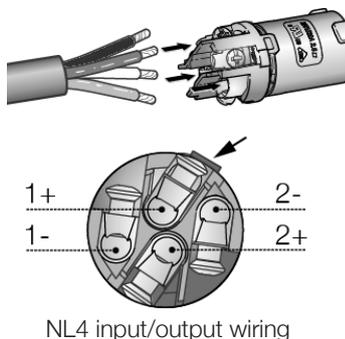
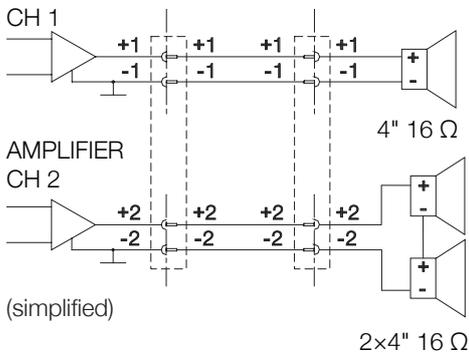
(2) points M6

- Sides: (2) points M6 – 1 each side for installation accessories

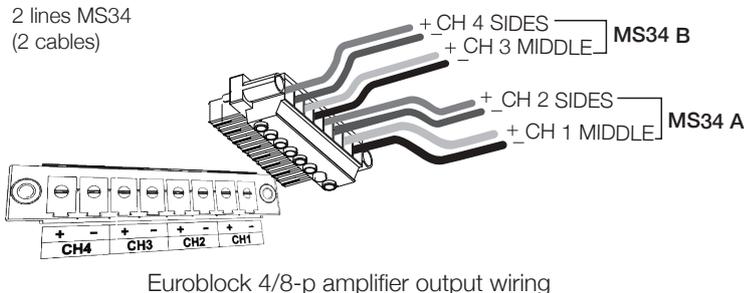
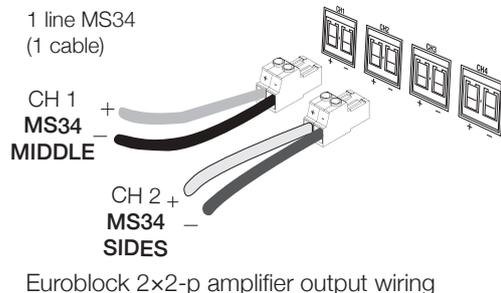


WIRING

AMPLIFIER



Pinout:
 Circuit 1 (Mid coaxial):
 1+ Positive full range
 1- Negative full range
 Circuit 2 (Sides):
 2+ Positive full range
 2- Negative full range



ACCESSORIES



C-Clamp (Yoke Mount)



L-Bracket



Pole Mount Adaptor
(vertical mono mode only)



M+S CONTROLLER

STEREO INPUT/MID+SIDE OUTPUT MIX PROCESSOR

SPECIFICATIONS

- Power Supply:** External, 100-240 VAC 50-60 Hz 2.0 A input, 24 V - 1.67 A output - Included
- Dimensions:** 1U 19" rack
- Connectors:** inputs: (4) XLR/F (2xL/R stereo) balanced Line level
outputs: (4) XLR/M (2xM+S) balanced Line level
- Indicators:** Front panel multicolor LED input level indicators

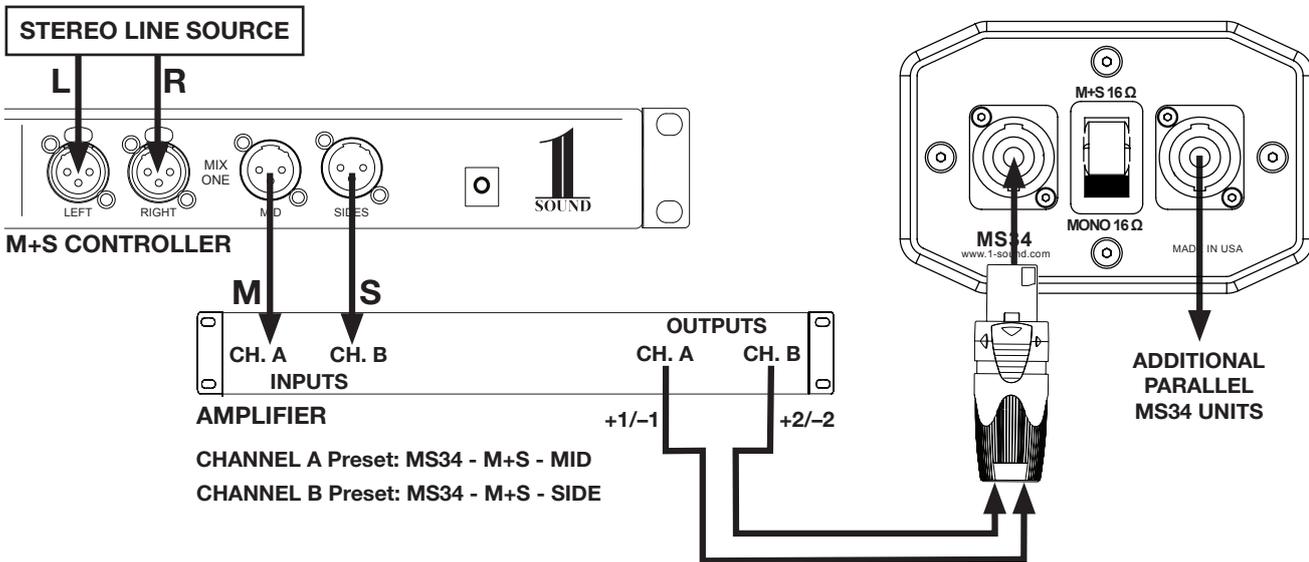


DESCRIPTION

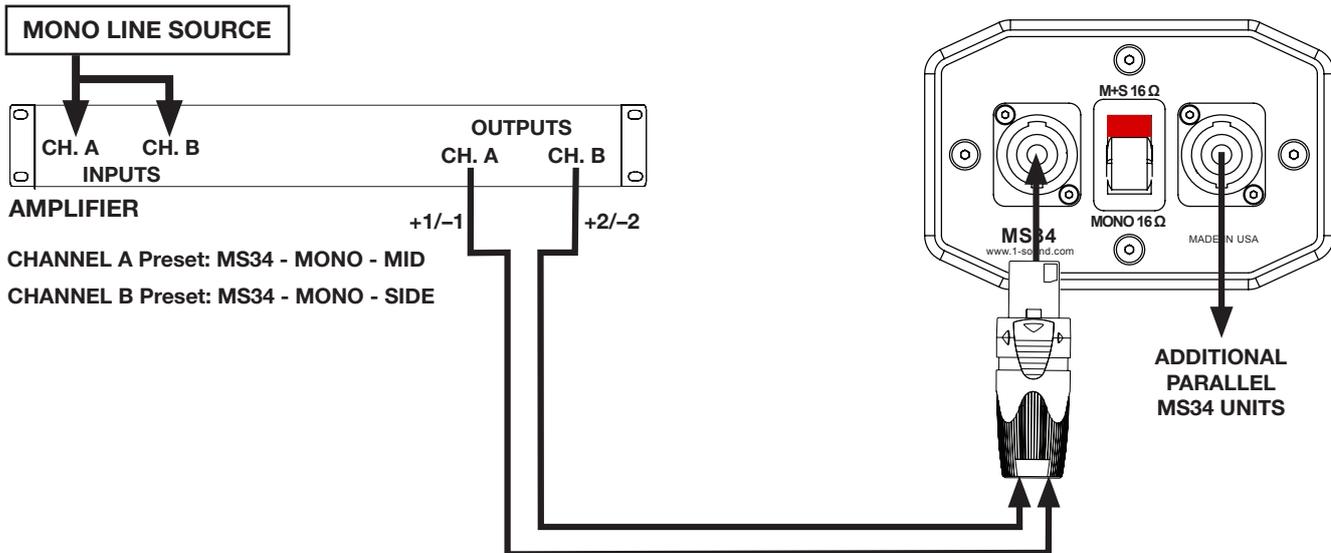
The M+S Controller is an analog audio device that accepts a stereo (L/R) signals and outputs them as mid+side (M/S). This unit is active and electronically balances the outputs enabling longer cable runs. The controller is capable of providing audio for two discrete L/R mixes.

The M+S controller is a necessary component for the MS34 to operate in M+S mode. It is not necessary to operate the MS34 in mono mode.

M+S MODE



MONO MODE



Contact

For more product or service information please contact the 1 SOUND headquarters.

1 SOUND, Manufacturer
USA Distributor
34 Apple Street
Tinton Falls, NJ 07724

tel. +1-732-798-9900
sales@1-sound.com

Warranty

All manufactured 1 SOUND products are warranted to be free from defects in materials or workmanship for a period of 3 years from original purchase. If there is specific hardware or grilles you might want replaced or any repairs needed please contact your region's authorized 1 SOUND distributor.

