



Evo²MaxX 4

Passive Sound Reinforcement Speaker

APPLICATIONS


- Live Sound P.A. System
- Live Sound Monitor
- D.J. System
- School & Corporate Audio Visual Sound Reinforcement
- Background Music/Announcement: Restaurants, Pubs
- Transportation Terminals
- Clubs
- Auditoriums
- Theatres
- Gyms
- Houses of Worship

FEATURES

- Extra Lightweight Polypropylene Cabinet, 34.17 lbs.
- Power Handling: 300W RMS @ 8 Ohms.
- 12" woofer with 2.5" voice coil custom made for FBT.
- B&C HF compression driver with 1.4" voice coil and 1" exit.
- Input panel with 2 x Neutrik Speakon NL-4 IN and LINK.
- Two integrated handle and Stage Floor Monitor taper.
- Multiple mounting options: 1.38" top-hat speaker stand socket, wall bracket mount flange plate, four M10 suspension points.
- Optional Carrying Bag available for protection for portable use
- Completely Manufactured in Italy



Designed, Engineered
and Manufactured in ITALY



PRODUCT DESCRIPTION

The **EVO²MaxX 4** passive speaker features lightweight, yet rugged gas injected molded polypropylene cabinet construction. The asymmetrical shape of the **EVO²MaxX 4** cabinet also allows use as a floor stage monitor. The **EVO²MaxX 4** passive speaker is a two way design incorporating a 12" custom made for FBT low frequency woofer with 2.5" voice coil and a 1" throat exit B&C HF compression driver coupled to a 90°H x 60°V constant directivity horn. The internal passive crossover filter with soft/trip protection circuits on woofer and compressor driver is at a fixed frequency of 1.6kHz. With a frequency range of 55Hz-18kHz, the **EVO²MaxX 4** provides hi fidelity sound for both speech and music applications with a maximum SPL of 128dB. A front face steel grille protects the woofer from external damage. The rear input panel features 2 Neutrik NL-4 Speakon input and link to allow daisy chaining an additional **EVO²MaxX 4** speaker. The four M10 fly points built into the cabinet, along with the optional Box 100/101 mounting brackets allow the **EVO²MaxX 4** speakers to be surface mounted on walls or ceilings. A standard 1,38" speaker stand socket allows the **EVO²MaxX 4** to be mounted on speaker stands.

ELECTRONIC SPECIFICATIONS

System Type	2 Way
Recommended Amplifier	300W RMS
Long Term Applicable Power (AES)	150W
Short Term Applicable Power (IEC 268-5)	600W
Nominal Impedance	8 Ohm
Frequency Response @ -6dB	55Hz - 18kHz
Sensitivity (@ 1W, 1mt)	98dB
Maximum SPL (continuous/peak)*	124dB / 128dB
Dispersion	90°H x 60°V
Crossover Frequency	1.6kHz
Recommended HP Filter	45Hz - 24dB oct.

PHYSICAL SPECIFICATIONS

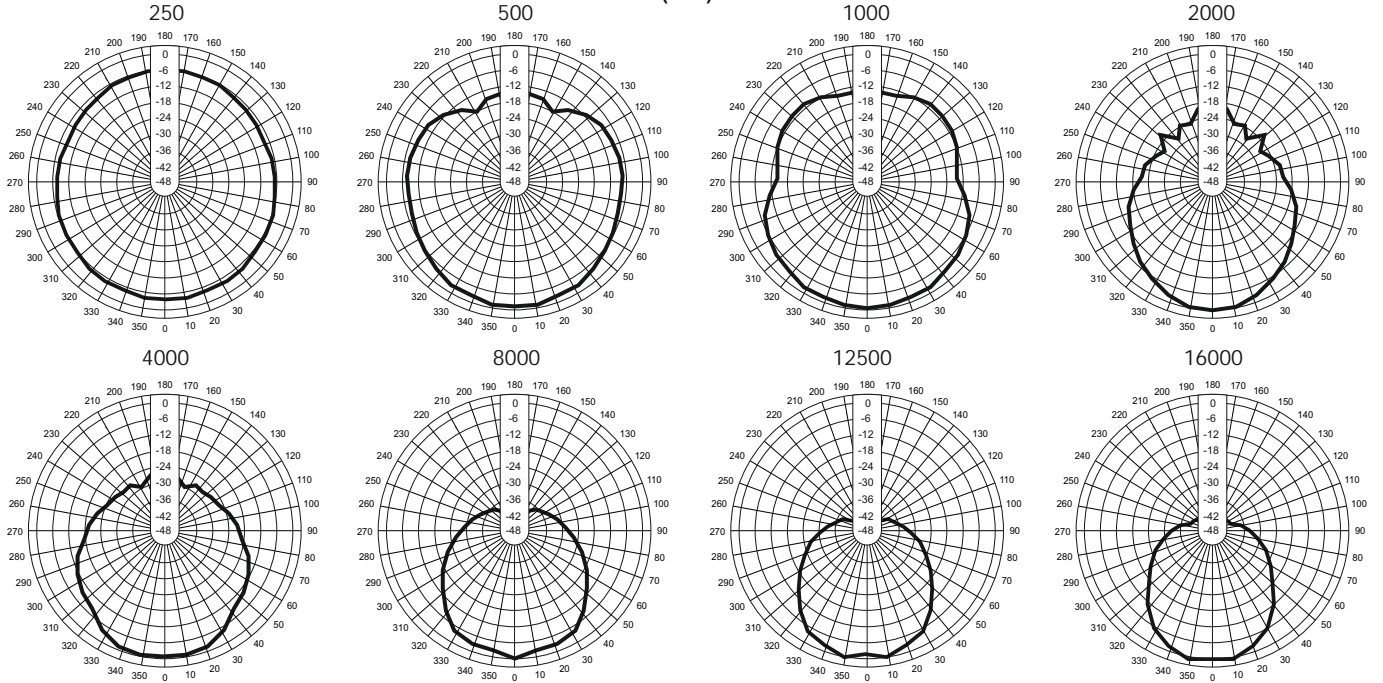
Low Frequency Woofer	1 x 12" / 2.5" coil
High Frequency Driver	1" + horn / 1.4" coil
Input Connectors	2 x Speakon NL4
Net Dimensions (WxHxD)	16" x 25" x 13"
Shipping Dimensions (WxHxD)	20.1" x 29.1 x 16.1"
Net Weight	34.17 lbs
Shipping Weight	41.22 lbs
Enclosure Material	Polypropylene
Grille	Steel with powder coat black paint finish

* CONT. SPL: free space, based on recommended amp rating and LF transducer average sensitivity data, 125mS time average
PEAK SPL: free space, based on short term applicable power rating and system peak sensitivity, 10mS time average

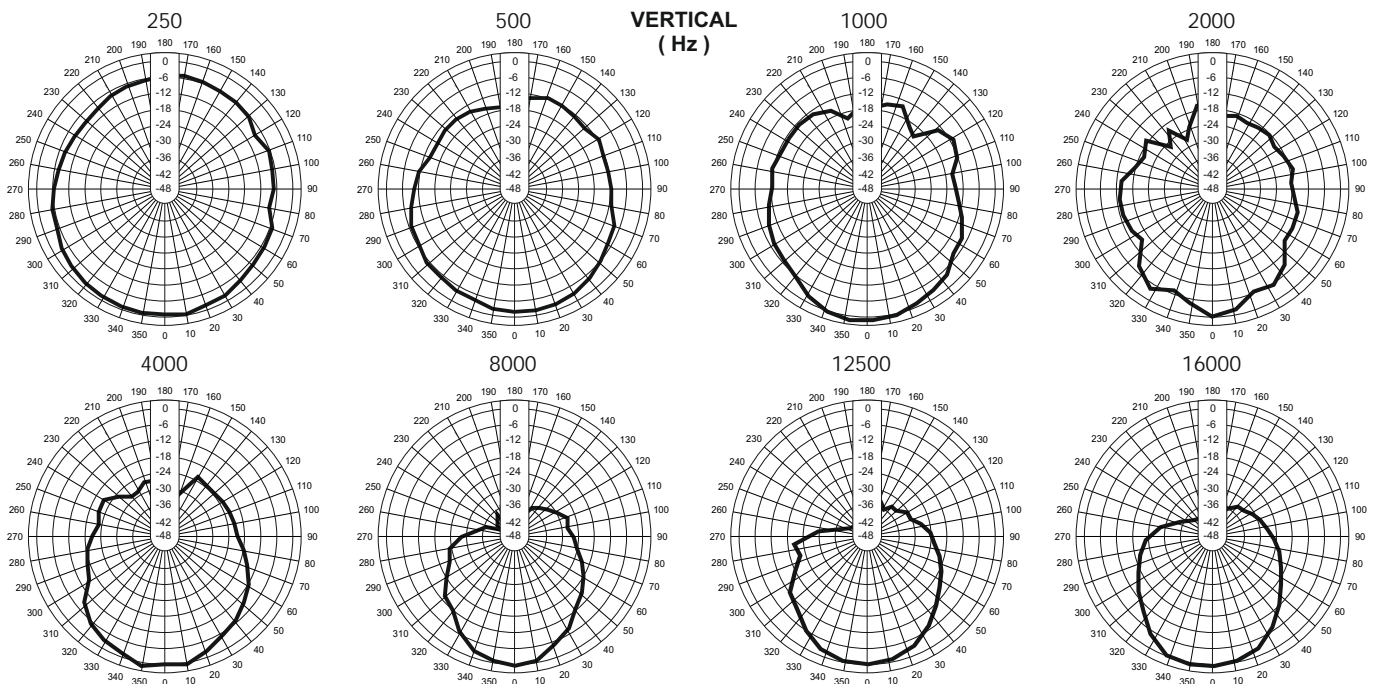


DIAGRAMS

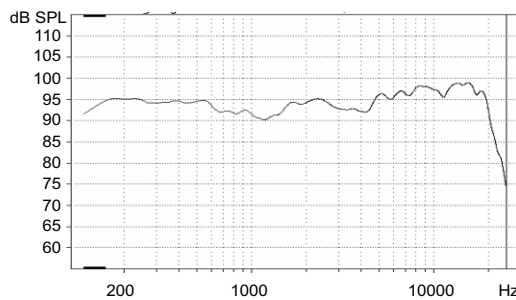
HORIZONTAL (Hz)



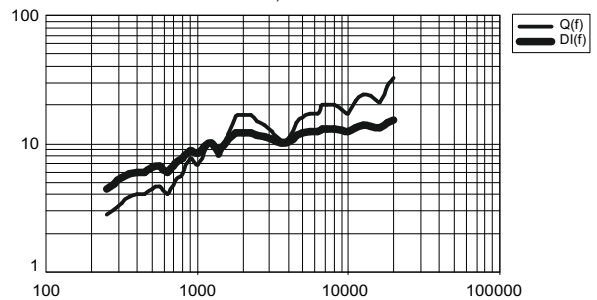
VERTICAL (Hz)



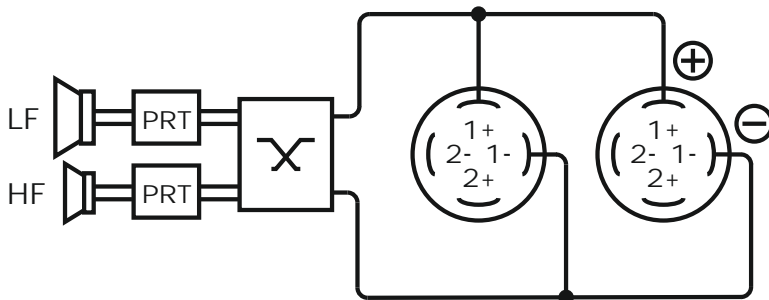
FREQUENCY RESPONSE



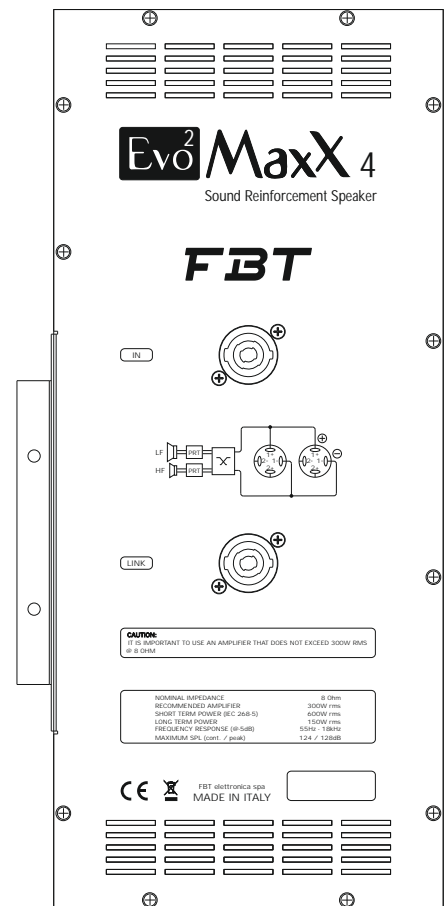
Q factor, Dindex



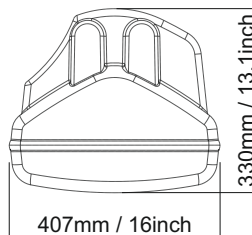
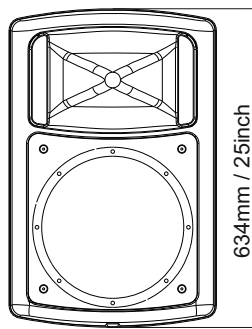
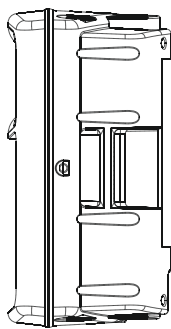
BLOCK DIAGRAM



CONTROL PANEL



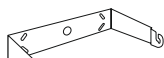
DIMENSIONAL DRAWINGS



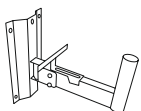
ACCESSORIES



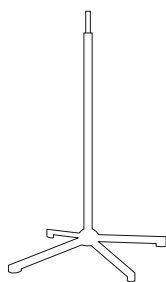
BOX 100
Mount for horizontal wall installation



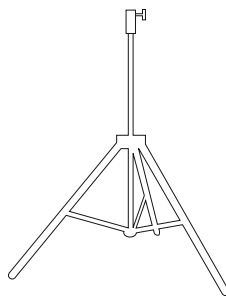
BOX 101
Mount for vertical wall installation



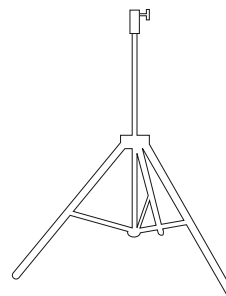
KWM 560
Directional wall mount



SS 2
Standard speaker floor stand
Max. weight 220lb



KMS 300
Adjustable aluminium floor stand, damped safety mechanism
Max. weight 154lb



KMS 325
Adjustable aluminium floor stand Ø1.38" with Ø1" adapter
Max. weight 88lb



KMS 220
Adjustable for sub-satellite speaker connection with safety locking device Ø1.38"