



# Evo<sup>2</sup>MaxX 4a

## Processed Active 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

- 2-way biamplified bass reflex design cabinet.
- 400W RMS LF & 100W RMS HF Class D power amplifiers
- 12" woofer with 2.5" voice coil, custom made for FBT.
- B&C HF compression driver with 1.4" voice coil and 1" exit.
- Control panel with balanced XLR/Jack input and XLR link out, Volume, EQ. presets, HP filter, 3 status led indicators.
- Extra lightweight polypropylene cabinet (28.1 lbs) with 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 Bags available for protection for portable use.
- Completely Manufactured in Italy.



Designed, Engineered  
and Manufactured in ITALY

### PRODUCT DESCRIPTION

The **EVO<sup>2</sup>MaxX4A** active speaker features lightweight, yet rugged gas injected molded polypropylene cabinet construction. The asymmetrical shape of the **EVO<sup>2</sup>MaxX4A** cabinet also allows use as a floor stage monitor. The **EVO<sup>2</sup>MaxX4A** is a two way design incorporating a custom made for FBT, 12" LF magnet woofer with a 2.5" voice coil and a 1.4" B&C HF compression driver coupled to a 90H x 60V Constant Directivity Horn with a 1" throat exit. The digital internal crossover is at a fixed frequency of 1.6kHz. With a frequency range of 50Hz-20kHz, the **EVO<sup>2</sup>MaxX4A** provides hi fidelity sound for both speech and music applications with a maximum SPL of 130dB. The bi amplified **EVO<sup>2</sup>MaxX4A** active speaker features a 400W RMS Class D low frequency amp and a 100W RMS Class D high frequency amp. An **EVO<sup>2</sup>MaxX** digital signal processor with four presets also provides quick equalisation contours for any acoustically challenging venue. The control panel features balanced XLR/Jack input and XLR link out, Volume, EQ presets, HP Filter, 3 status led indicators. A front face steel grille protects the woofer from external damage. The four M10 fly points built into the cabinet, along with the optional BOX 100/101 mounting brackets allow the **EVO<sup>2</sup>MaxX4A** speakers to be surface mounted on walls or ceilings. A standard 1.38" speaker stand socket allows the **EVO<sup>2</sup>MaxX4A** to be mounted on speaker stands.

### ELECTRONIC SPECIFICATIONS

System Type:		2 Way
Internal Amplifiers *	cont.:	350W+80W RMS
	max.:	400W+100W RMS
	max. peak:	800W+200W
Low Frequency Woofer		1 x 12" - 2.5" coil
High Frequency Driver		1 x horn - 1,4" coil
Frequency Response @ -6dB		50Hz - 20kHz
Input Impedance		22kOhm
Maximum SPL ( continuous/peak ) * *		124dB / 130dB
Dispersion		90°H x 60°V
Active Crossover Frequency		1,6kHz
AC Power Requirement (continuous/peak)		450VA

### PHYSICAL SPECIFICATIONS

Input Connectors		XLR with loop
Net Dimensions (WxHxD)		16" x 25" x 13"
Shipping Dimensions (WxHxD)		20.1" x 29.1 x 16.1"
Net Weight		34.61lbs
Shipping Weight		39.71lbs
Enclosure Material		Polypropylene
Grille		Steel with powder coat black paint finish
Power Supply Cable		16.4 ft

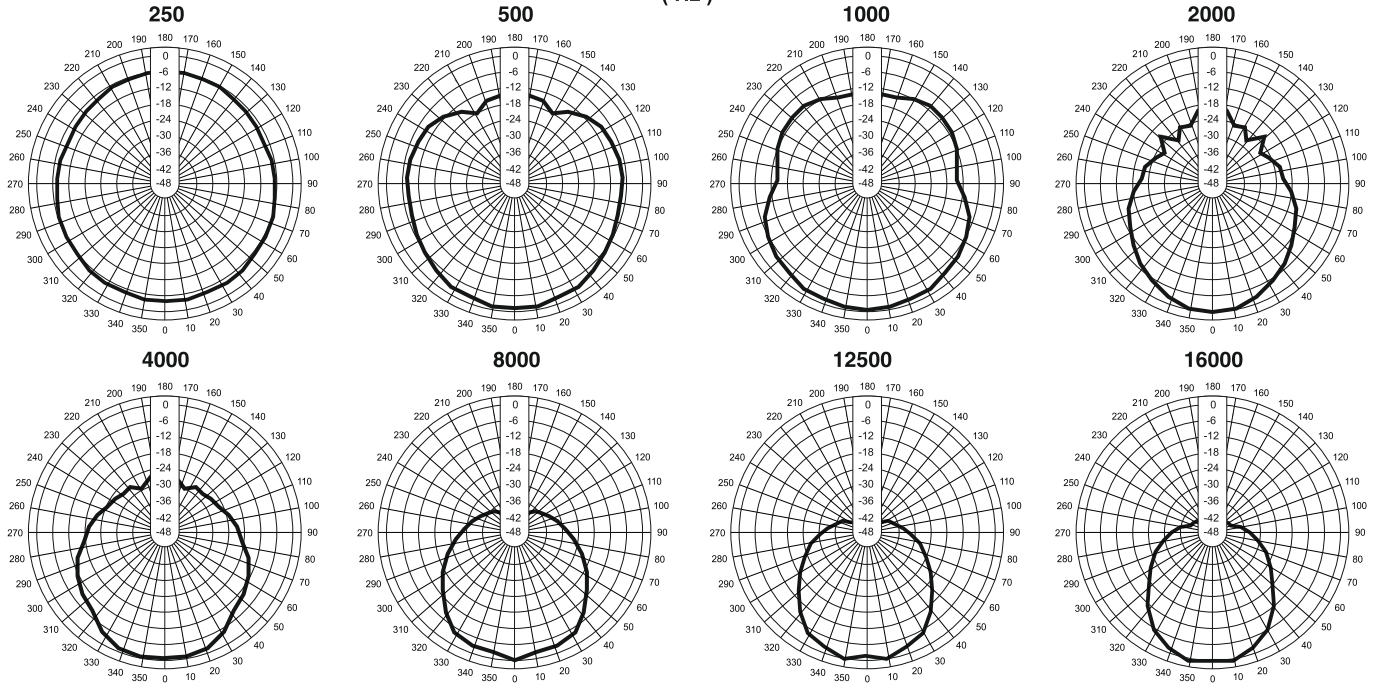
\* CONT. : 500ms burst, rms power on nominal speaker impedance  
 MAX: 2ms burst, rms power on nominal speaker impedance  
 MAX PEAK: based on max peak output voltage and nominal speaker impedance

\*\* CONT. SPL: free space, based on continuous power amp rating and LF transducer average sensitivity data, 125mS time average  
 PEAK SPL: free space, based on max. peak power amp rating and system peak sensitivity, 10mS time average

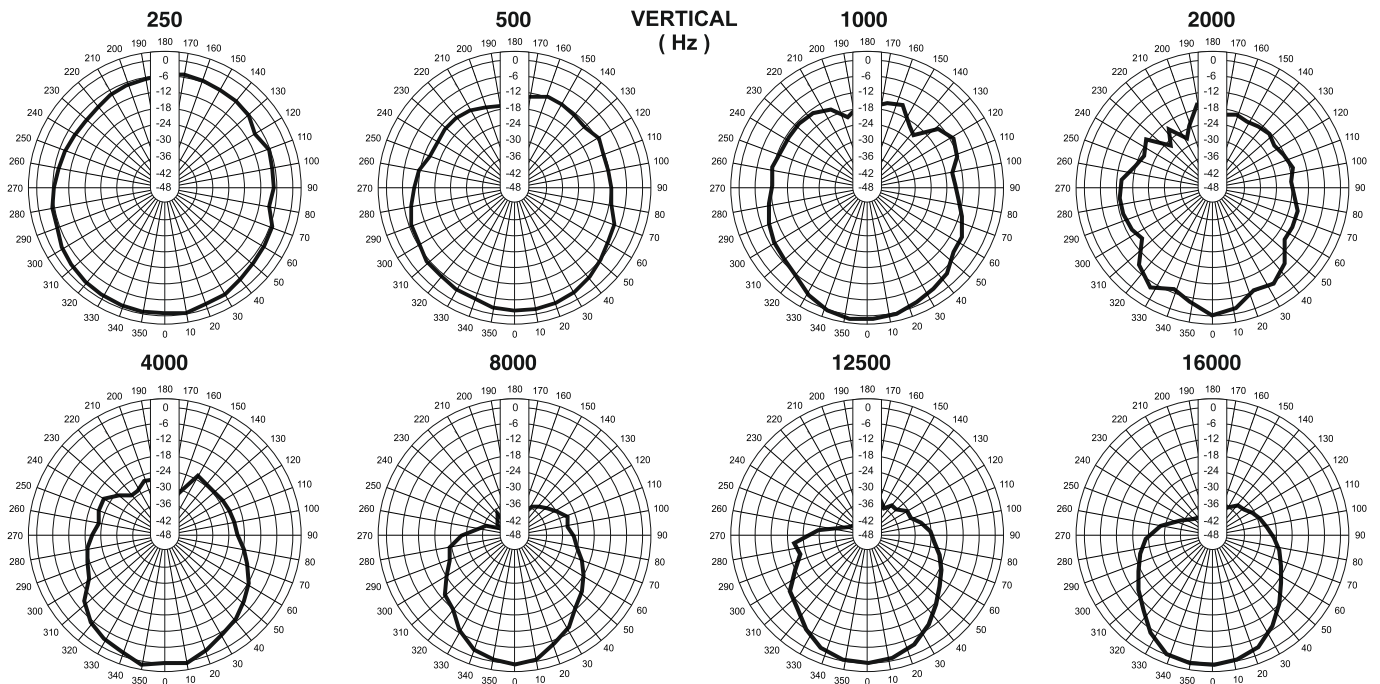


## DIAGRAMS

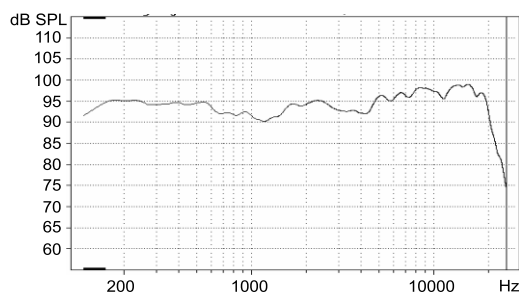
### HORIZONTAL ( Hz )



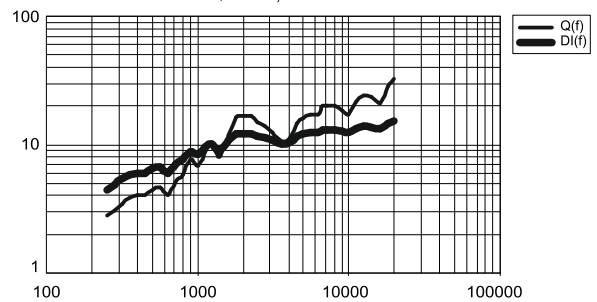
### VERTICAL ( Hz )



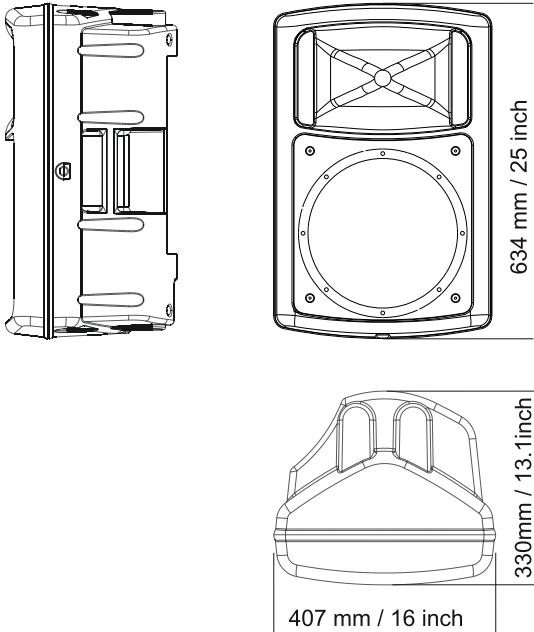
### FREQUENCY RESPONSE



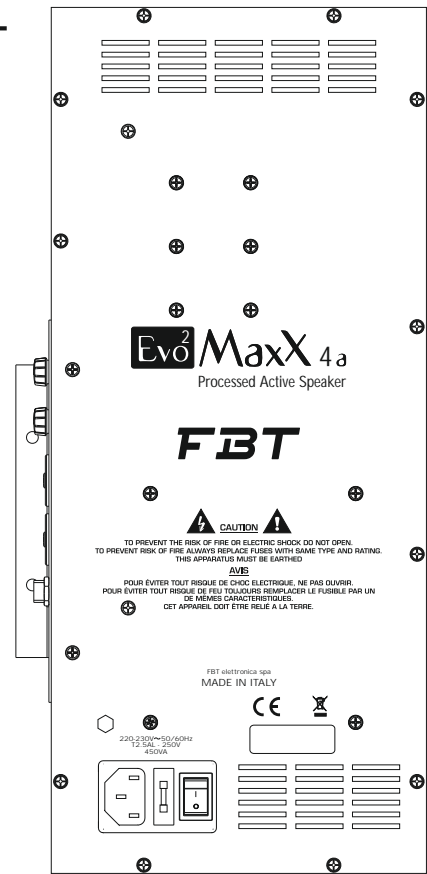
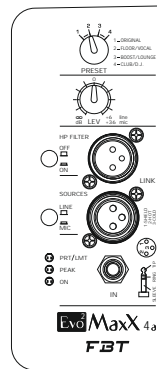
### Q factor, Dindex



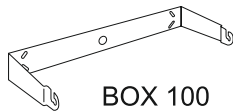
## DIMENSIONAL DRAWINGS



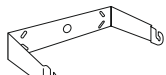
## CONTROL PANEL



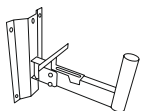
## ACCESSORIES



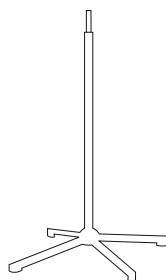
**BOX 100**  
Mount for horizontal  
wall installation



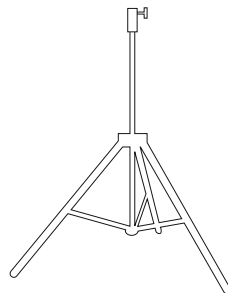
**BOX 101**  
Mount for vertical  
wall installation



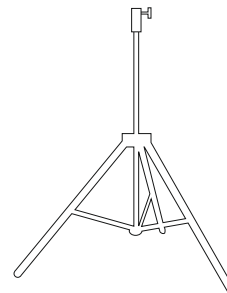
**KWM 560**  
Directional wall  
mount



**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"