



# EVO<sup>2</sup>MaxX 2

## 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, 27.55 lbs.
- Power Handling: 250W RMS @ 8 Ohms.
- 10" LF woofer with 2" voice coil
- 1" throat exit B&C HF compression driver.
- Input panel with 2 x Neutrik Speakon NL- 4 IN and LINK.
- One integrated handle and Stage Floor Monitor taper.
- Multiple mounting options: 1.38" top-hat speaker stand socket, wall bracket mount flange plate, two 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 **EVO<sup>2</sup>MaxX 2** passive speaker features lightweight, yet rugged gas injected molded polypropylene cabinet construction. The asymmetrical shape of the **EVO<sup>2</sup>MaxX 2** cabinet also allows use as a floor stage monitor. The **EVO<sup>2</sup>MaxX 2** passive speaker is a two way design incorporating a 10" custom made for FBT low frequency woofer with 2" 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 1.8kHz. With a frequency range of 60Hz-18kHz, the **EVO<sup>2</sup>MaxX 2** provides hi fidelity sound for both speech and music applications with a maximum SPL of 125dB. 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 **EVO<sup>2</sup>MaxX 2** speaker. The two M10 fly points built into the cabinet, along with the optional Box 102 mounting brackets allow the **EVO<sup>2</sup>MaxX 2** speakers to be surface mounted on walls or ceilings. A standard 1,38" speaker stand socket allows the **EVO<sup>2</sup>MaxX 2** to be mounted on speaker stands.

### ELECTRONIC SPECIFICATIONS

|   |                  |
|---|------------------|
| System Type                             | 2 Way            |
| Recommended Amplifier                   | 250W RMS         |
| Long Term Applicable Power (AES)        | 125W             |
| Short Term Applicable Power (IEC 268-5) | 500W             |
| Nominal Impedance                       | 8 Ohm            |
| Frequency Response @ -6dB               | 60Hz - 18kHz     |
| Sensitivity (@ 1W, 1mt)                 | 97dB             |
| Maximum SPL ( continuous/peak )*        | 121dB / 125dB    |
| Dispersion                              | 90°H x 60°V      |
| Crossover Frequency                     | 1,8kHz           |
| Recommended HP Filter                   | 50Hz - 24dB oct. |

### PHYSICAL SPECIFICATIONS

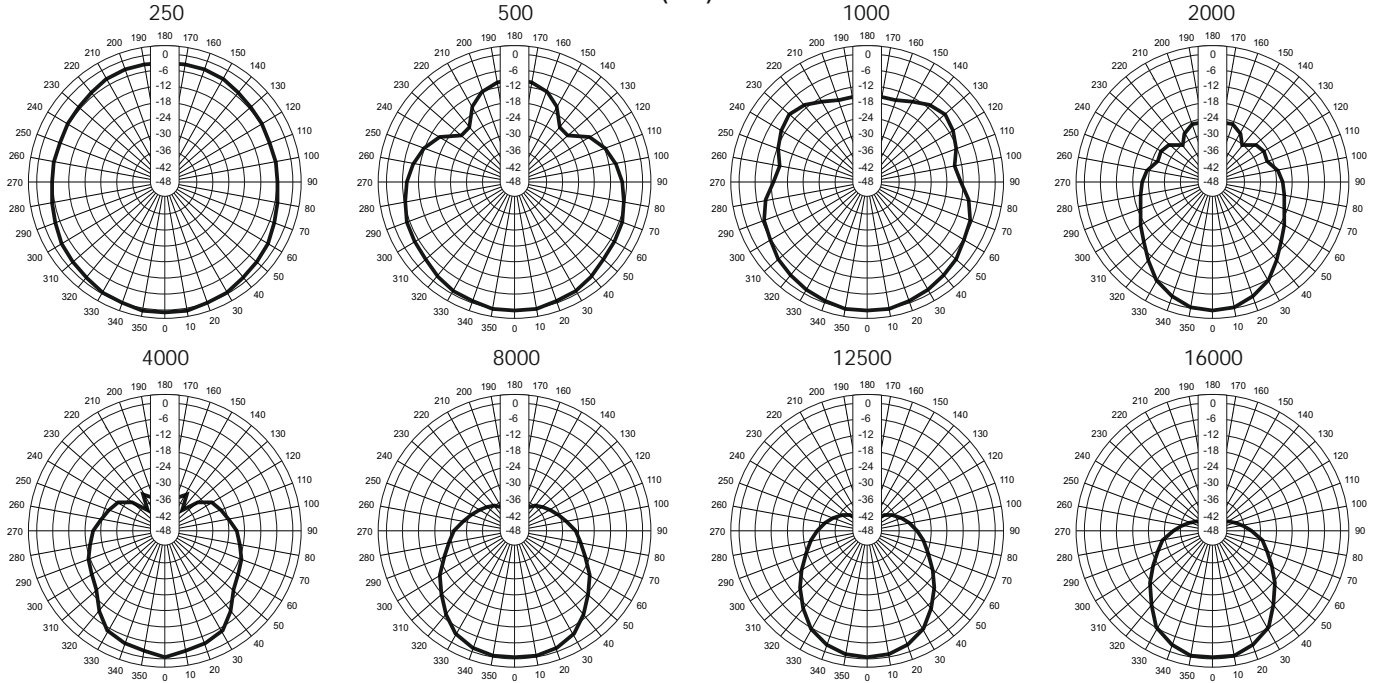
|                             |   |
|-----------------------------|---|
| Low Frequency Woofer        | 1 x 10" / 2" coil                         |
| High Frequency Driver       | 1" + horn / 1,4" coil                     |
| Input Connectors            | 2 x Speakon NL4                           |
| Net Dimensions (WxHxD)      | 13,9" x 21,6" x 12,1"                     |
| Shipping Dimensions (WxHxD) | 17,1" x 24,8" x 15,5"                     |
| Net Weight                  | 27.55 lbs                                 |
| Shipping Weight             | 31.96 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

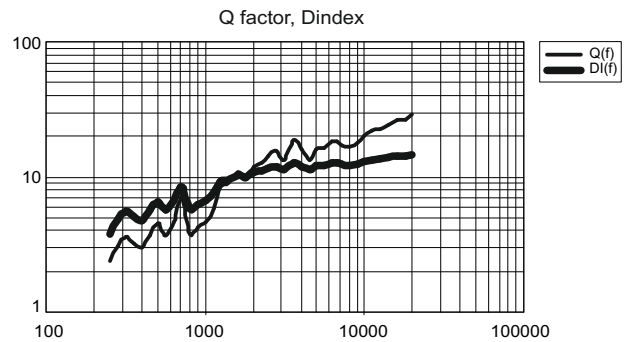
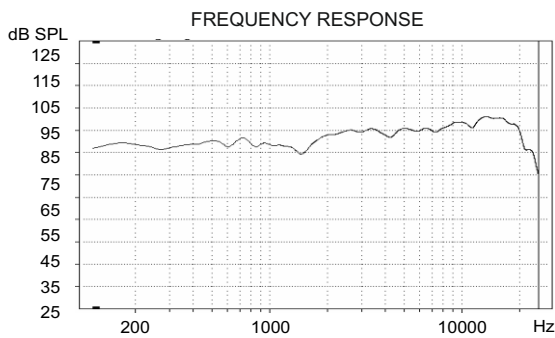
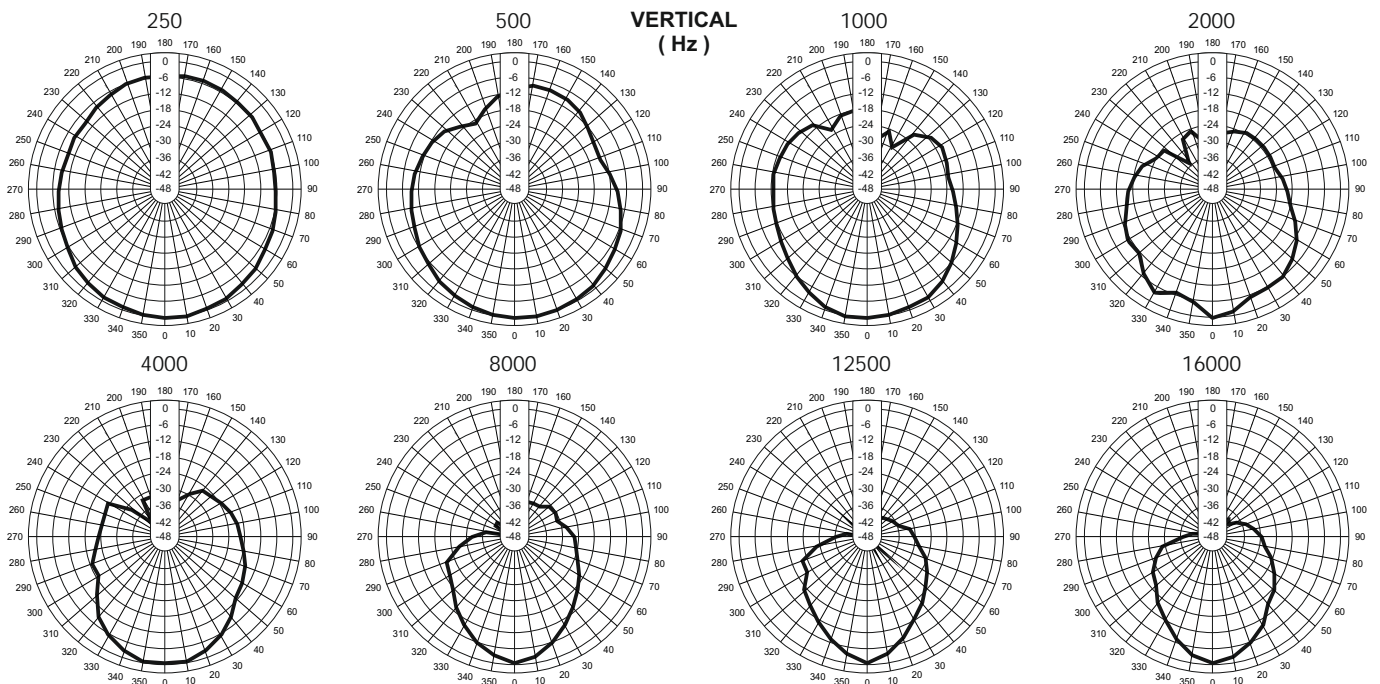


## DIAGRAMS

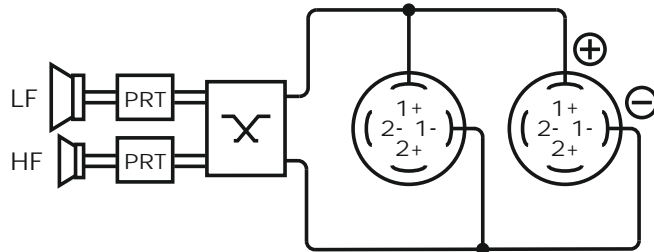
### HORIZONTAL (Hz)



### VERTICAL (Hz)



## BLOCK DIAGRAM



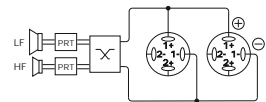
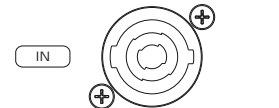
## CONTROL PANEL

**Evo<sup>2</sup> MaxX 2**

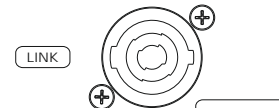
Sound Reinforcement Speaker

**FBT**

CAUTION:  
IT IS IMPORTANT TO USE AN AMPLIFIER  
THAT DOES NOT EXCEED 250W RMS @ 8 OHM

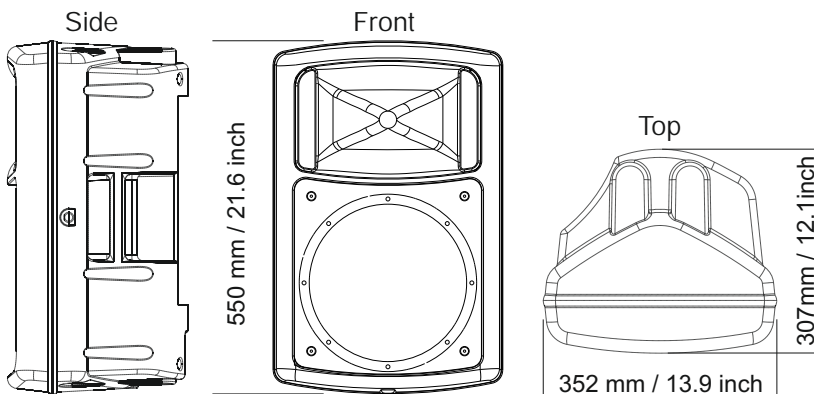


NOMINAL IMPEDANCE 8 Ohm  
RECOMMENDED AMPLIFIER 250W rms  
SHORT TERM POWER (IEC 268-5) 500W rms  
LONG TERM POWER 125W rms  
FREQUENCY RESPONSE (@-5dB) 60Hz - 18kHz  
MAXIMUM SPL (cont. / peak) 121 / 125dB

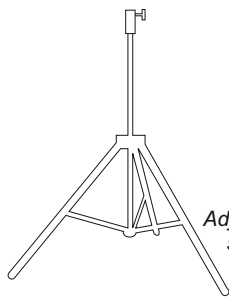


CE FBT elettronica spa  
MADE IN ITALY

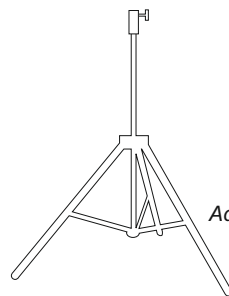
## DIMENSIONAL DRAWINGS



## ACCESSORIES



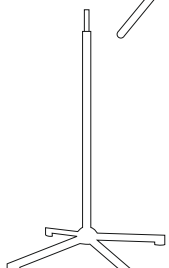
**KMS 300**  
Adjustable aluminium floor  
stand, damped safety  
mechanism  
Max. weight 154lb



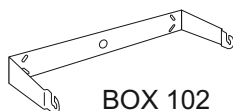
**KMS 325**  
Adjustable aluminium floor  
stand Ø1.38" with Ø1"  
adapter  
Max. weight 88lb



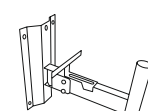
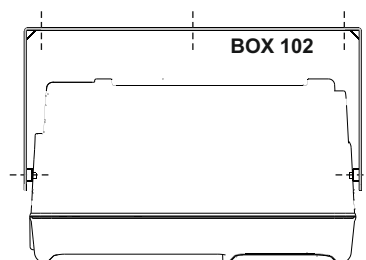
**KMS 220**  
Adjustable for  
sub-satellite  
speaker connection  
with safety locking  
device Ø1.38"



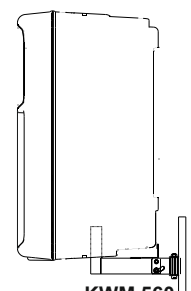
**SS 2**  
Standard speaker  
floor stand  
Max. weight 220lb



**BOX 102**  
Mount for horizontal  
wall installation



**KWM 560**  
Directional wall  
mount



**KWM 560**