



# Evo²Maxx

Speaker Systems

# The Second generation of an International Best Seller

Evolving from the FBT EvoMaxX Series of loudspeakers, FBT Evo<sup>2</sup>MaxX speakers feature totally new Digital Sound Processing resulting in improved sound quality and SPL, especially in bass reproduction at high volume. The sound is more relaxing and natural and the four new DSP presets provide quick dynamic equalization and protection contours for any acoustically challenging venue. Other exciting features are high efficiency and excursion woofers, powerful Class D amplifiers with an extremely low noise floor.

Alongside these key performance improvements, FBT has been inspired to develop the Evo<sup>2</sup>MaxX Series by one very important goal – offering the customer more value for money. Evo<sup>2</sup>MaxX lightweight yet sturdy polypropylene cabinets feature a monitor taper designed to ensure that they perform with excellence no matter whether they are used at front of house for a main sound system, as stage floor monitors or within permanent installations.



Additional options are also available for extending low frequency response in the shape of the 15" subwoofer Evo<sup>2</sup>MaxX 9Sa or the SUBLine 12Sa, 15Sa and 18Sa, all of which boast birch plywood enclosures with 12", 15" band-pass and 18" reflex designs respectively.



- Sturdy, gas-injected polypropylene molded enclosures, engineered to contain undesired resonance
- High efficiency loudspeakers custom made for FBT with a weather resistant coating, allowing use in covered outdoor applications
- **B&C HF** compression drivers
- **Latest Class D, 400W LF and 100W HF** power amplifiers with **high efficiency switch mode power supplies**. These amplifiers boast an extremely lightweight design with passively cooled circuitry, meaning no noisy fans!
- **New digital signal processor with dynamic equalizations and sophisticated dynamic limiters**
- **four improve sound quality and SPL granting reliable and distortion-free audio reproduction**
- **New 4 DSP presets for improved versatility and ease of use**
- **Premium sound quality as results of extensive listening test**
- **High SPL** thanks to FBT's new digital limiter algorithms and high power class D amplifier
- Ergonomic carrying handles, M10 fly points, a top-hat speaker stand socket and a stage monitor taper - all included to ensure superb versatility for live sound events and permanent installations.



**Evo²MaxX**  
Speaker Systems

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More powerful Class D amplifiers - Extra lightweight polypropylene cabinets - Higher SPL for optimal audio reproduction  
New DSP with four EQ presets - More value for the money



Perhaps best of all the fact that Evo²MaxX owners can enjoy four loudspeakers in one thanks to FBT's **New four factory DSP presets**. The result of hundreds of hours of development time in FBT's dedicated R&D facility, the presets optimize the Evo²MaxX range to accommodate a vast range of applications.

The presets include:

**ORIGINAL:** Corresponding FBT benchmark sound for use in general applications

**FLOOR/VOCAL:** The Evo²MaxX immediately becomes an ideal stage monitor. Also suited for high clarity and intelligibility vocal reproduction.

**BOOST/LOUNGE:** Providing loudness contour with increased bass response for a relaxing and very enjoyable listening, especially at low and medium volume

**CLUB/DJ:** Providing all the punch and full-bodied response required by DJ users, suitable for high volume DISCO and PARTY applications



## Active Evo<sup>2</sup>MaxX

2-way, bi-amplified, bass reflex design cabinet

Biamped: 400w RMS LF, 100w RMS HF, Class D power amplifiers with switch mode power supplies

**Digital Signal Processor with 4 Equalization Presets**

Sturdy gas-injected polypropylene molded enclosure with two integrated handles and Stage Floor Monitor taper

25 mm (1") exit throat  
**B&C HF compression driver**

Control Panel: features balanced XLR/Jack input and XLR link out, Volume, EQ Presets, HP Filter, 3 status LED indicators,

**90°H x 60°V** Constant Directivity Horn

Enclosure suitable for stacking

## Passive Evo<sup>2</sup>MaxX

Built-in passive crossover with soft-trip protection for the LF woofer and HF driver

Speakon NL-4 IN and LINK OUT connectors



### Evo<sup>2</sup>MaxX 6a

**Processed Active Speaker**  
400W + 100W RMS - 130dB SPL

- 380 mm (15") LF woofer with 64 mm (2.5") voice coil
- Frequency response from 42Hz to 20 kHz
- 4 x **M10** suspension points, 35 mm (1 3/8") top-hat speaker stand socket, wall bracket mount flange plate
- Extremely light, only 24.4 Kg / 53.8 Lb

### Evo<sup>2</sup>MaxX 6

**Passive Reinforcement Speaker**  
400W/8ohm - 130dB SPL



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

**Processed Active Speaker**  
400W + 100W RMS - 130dB SPL

- 320 mm (12") LF woofer with 64 mm (2.5") voice coil
- Frequency response from 50Hz to 20 kHz
- 4 x **M10** suspension points, 35 mm (1 3/8") top-hat speaker stand socket, wall bracket mount flange plate
- Extremely light, only 15.6 Kg / 34.4 Lb

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

**Passive Reinforcement Speaker**  
300W/8ohm - 128dB SPL





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

**Processed Active Speaker**  
400W + 100W RMS - 128dB SPL

- **250 mm (10")** LF woofer with 50 mm (2") voice coil
- Frequency response from 58Hz to 20 kHz
- 2 x **M10** suspension points, 35 mm (1 3/8") top-hat speaker stand socket, wall bracket mount flange plate
- Extremely light, only 12 Kg / 26.5 Lb

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

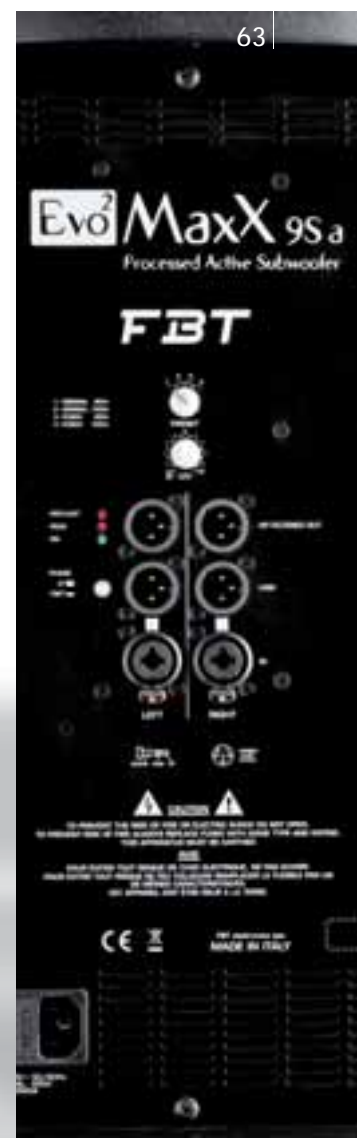
**Passive Reinforcement Speaker**  
250W/8ohm - 125dB SPL



## Evo<sup>2</sup>MaxX 9Sa

**Processed Active Subwoofer**  
600W RMS - 132dB SPL

- **Compact bass-reflex** design Subwoofer
- **380 mm (15")** high excursion woofer with **75 mm (3")** voice coil, **custom made for FBT**
- Frequency response from 38Hz to 120Hz
- **600W RMS Class D** power amplifier with **switch mode power supply**
- **Digital Signal Processor with 4 presets**, 2 equalization with 2 LPF Crossover Settings
- Control Panel with balanced **Stereo combo XLR/Jack in/outs**, **Stereo XLR HP-filter outs**, Volume, EQ Presets, Phase Reversal Switch 0°-180°, 3 status LED indicators
- **Lightweight cabinet enclosure** with internal wooden reinforcements
- **M20** (20 mm) top mount speaker stand socket, two integrated carrying handles
- Provides additional low frequency reinforcement when used along with 2 - way Evo<sup>2</sup>MaxX speakers
- Extremely lightweight only **21.7 Kg** (48.4 Lb)





Model		Evo <sup>2</sup> MaxX 6a	Evo <sup>2</sup> MaxX 4a	Evo <sup>2</sup> MaxX 2a	Evo <sup>2</sup> MaxX 9Sa
Configuration	way	2	2	2	1
Built-in amplifier cont. LF/HF	W RMS	350/80	350/80	350/80	400
Built-in amplifier max. LF/HF	W RMS	400/100	400/100	400/100	600
Built-in amplifier max. peak LF/HF	W	800/200	800/200	800/200	1200
Frequency response	@-6dB	42Hz - 20KHz	50Hz - 20KHz	58Hz - 20KHz	40Hz - 120Hz
Low frequency woofer	inch	15 - 2.5 coil	12 - 2.5 coil	10 - 2 coil	1x15 - 3 coil
High frequency driver	inch	1 - 1.7 coil	1 - 1.4 coil	1 - 1.4 coil	-
Maximum SPL cont/peak	dB	126 / 130	124 / 130	122.5 / 128	128 / 132 half-space
Dispersion	H x V	90° x 60°	90° x 60°	90° x 60°	omnidirectional
Input impedance	kOhm	22	22	22	22
Crossover frequency	kHz	1.6	1.6	1.8	preset dependant
AC Power requirements	VA	450	450	450	450
Input connectors		XLR with loop	XLR with loop	XLR with loop	stereo XLR with loop, HP out
Power cord	m / ft	5 / 16.4	5 / 16.4	5 / 16.4	5 / 16.4
Net dimensions (WxHxD)	mm inch	482x757x399 19x29.8x15.7	407x634x330 16x25x13	352x550x307 13.9x21.6x12.1	496x648x485 19.5x25.5x19.1
Net weight	Kg / Lb	24.4 / 53.8	15.6 / 34.4	11.2 / 24.7	25.7 / 56.6
Transport dimensions (WxHxD)	mm inch	595x878x515 23.4x34.6x20.3	510x704x410 20.1x29.1x16.1	435x630x395 17.1x24.8x15.5	595x760x575 23.4x29.9x22.6
Transport weight	Kg / Lb	28.7 / 63.2	18 / 39.6	13.8 / 30.4	30.9 / 68.1

Model		Evo <sup>2</sup> MaxX 6	Evo <sup>2</sup> MaxX 4	Evo <sup>2</sup> MaxX 2
Configuration	way	2	2	2
Recommended amplifier	W RMS	400	300	250
Long term power	W	200	150	125
Short term power IEC 268-5	W	800	600	500
Nominal impedance	Ohm	8	8	8
Frequency response	@-6dB	48Hz - 18kHz	55Hz - 18kHz	60Hz - 18kHz
Low frequency woofer	inch	1x15 - 2.5 coil	1x12 - 2.5 coil	1x10 - 2 coil
High frequency driver	inch	1 x 1 - 1.7 coil	1 - 1.4 coil	1 - 1.4 coil
Sensitivity (@1W/1m)	dB	99	98	97
Maximum SPL cont/peak (Bi-Amp)	dB	126 / 130	124 / 128	121 / 125
Dispersion	H x V	90° x 60°	90° x 60°	90° x 60°
Crossover frequency	kHz	1.3	1.6	1.8
Recommended HP filter		40Hz - 24dboct	45Hz - 24dboct	50Hz - 24dboct
Input connectors		2 x Speakon NL4 in & thru	2 x Speakon NL4 in & thru	2 x Speakon NL4 in & thru
Net dimensions (WxHxD)	mm inch	482x757x399 19x29.8x15.7	407x634x330 16x25x13	352x550x307 13.9x21.6x12.1
Net weight	Kg / Lb	23.9 / 52.7	16.1 / 35.4	11.8 / 26
Transport dimensions(WxHxD)	mm inch	595x878x515 23.4x34.6x20.3	510x704x410 20.1x29.1x16.1	435x630x395 17.1x24.8x15.5
Transport weight	Kg / Lb	28.2 / 62.2	18.5 / 40.7	14.4 / 31.7