



EVO Maxx

The Evolution of an International Best Seller

**Speaker
Systems**

DESIGNED, ENGINEERED
AND MANUFACTURED IN ITALY



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*The Evolution
of an International
Best Seller*

- > **More powerful Class D amplifiers**
- > **Extra lightweight polypropylene cabinets**
- > **Higher SPL for optimal audio reproduction**
- > **New DSP with four EQ presets**
- > **Value for money amazing**

The Evolution Revolution - FBT EvoMaxX Speakers. Evolving from the FBTMaxX Series of loudspeakers, FBT EvoMaxX speakers feature new woofers and even lighter, more powerful Class D amplifiers with an extremely low noise floor. An EvoMaxX digital signal processor with four presets also provides quick equalisation contours for any acoustically challenging venue.

But alongside these key performance and portability improvements, FBT has been inspired to develop the EvoMaxX Series by one very important goal - offering the customer more value for money. EvoMaxX's 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 **SUBLINE 15Sa and 18Sa**, all of which boast birch plywood enclosures with 15" band-pass and 18" reflex designs respectively.

The EvoMaxX series consists of four powered and three passive models.

- > **The EvoMaxX 2a / EvoMaxX 2** 10" LF woofer + 1" HF driver
- > **The EvoMaxX 4a / EvoMaxX 4** 12" LF woofer + 1" HF driver
- > **The EvoMaxX 6a / EvoMaxX 6** 15" LF woofer + 1" HF driver
- > **The EvoMaxX 9Sa** powered 15" subwoofer, featuring a lightweight polyethylene cabinet enclosure with internal structural wooden reinforcement.



EvoMaxX 6a
400+100W
EvoMaxX 6
400W



EvoMaxX 4a
400+100W
EvoMaxX 4
300W



EvoMaxX 2a
400+100W
EvoMaxX 2
250W



EvoMaxX 9Sa
600W



SUBLINE 15Sa
600W



SUBLINE 18Sa
1200W

EvoMaxX 9Sa Processed Active Subwoofer

FBT



FBT elettronica spa
MADE IN ITALY



TO PREVENT THE RISK OF FIRE OR ELECTRIC SHOCK DO NOT OPEN.
TO PREVENT RISK OF FIRE ALWAYS REPLACE FUSES WITH SAME TYPE AND RATING.
THIS APPARATUS MUST BE EARTHED

AVIS

POUR ÉVITER TOUT RISQUE DE CHOC ÉLECTRIQUE, NE PAS OUVRIER.
POUR ÉVITER TOUT RISQUE DE FEU TOUJOURS REMPLACER LE FUSIBLE PAR UN
DE MÊMES CARACTÉRISTIQUES.
CET APPAREIL DOIT ÊTRE RELIÉ À LA TERRE.

- > Sturdy, gas-injected polypropylene molded enclosures, engineered to prevent undesired resonance.
- > New ultra-lite **neodymium** magnet woofers custom made for FBT with a weather resistant coating, allows 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**.
- > **Extremely lightweight power amplification design passively cooled circuitry, no noisy fans**
- > **New Digital Signal Processor with 4 EQ Presets**
- > Advanced filter algorithms including dynamic equalization at low frequencies and advanced energy control to allow high SPL while always granting reliable and distortion-free audio reproduction
- > An **increase in total SPL** thanks to FBT's new digital limiter algorithms and increased amplifier power output.

- > Integrated ergonomically placed carrying handles, **M10 fly points**, top-hat speaker stand socket and stage monitor taper ensure superb versatility for live sound events and permanent installations.

Instead of rotary EQ controls, FBT's **New Digital Signal Processor with 4 factory equalization presets** provides simple and efficient EQ adjustment. Hundreds of hours of testing in the anechoic chamber in our factory went into the development of these presets to optimize the **EvoMaxX** speakers for use for numerous applications **Practically 4 speakers in one!**

The presets include:

- > **ORIGINAL:** corresponds to the typical 'MaxX' sound for use in general applications
- > **FLOOR:** the EvoMaxX immediately becomes an ideal stage monitor
- > **VOCAL:** provides increased intelligibility and presence for vocals and speech
- > **WARM:** provides a full bodied response to the low-mid frequencies and less aggressive on the highs



EvoMaxX 6a

**400W RMS + 100W RMS
126 / 130dB SPL
Processed Active Speaker**

- > 2-way, bi-amplified, bass reflex design cabinet
- > 380mm (15") LF **neodymium** magnet woofer with 64mm (2.5") voice coil, custom made for FBT
- > 25mm (1") exit throat **B&C HF** compression driver with **44mm (1.7") voice coil**
- > Frequency response from 42Hz to 20 kHz
- > Biamped: **400w RMS LF, 100w RMS HF, Class D** power amplifiers with **switch mode power supplies**
- > Digital Signal Processor with **4 Equalization Presets**

- > 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
- > Sturdy gas-injected polypropylene molded enclosure with two integrated handles and Stage Floor Monitor taper
- > **4 x M10** suspension points, 35mm (1") top-hat speaker stand socket, wall bracket mount flange plate
- > Extremely light, Net Wt. only **21kg** (46.8 lb)
- > Enclosure suitable for stacking



EvoMaxX 6

**400 W / 8 ohms
126 / 130dB SPL
Passive Sound
Reinforcement Speaker**

- > Passive version, recommended amplifier **400W RMS @ 8 ohms**
- > Built-in passive crossover with soft-trip protection for the LF woofer and HF driver
- > Speakon NL-4 IN and LINK OUT connectors



EvoMaxX 4a

**400W RMS + 100W RMS
124 / 130dB SPL
Processed Active Speaker**

- > 2-way, bi-amplified, bass reflex design cabinet
- > 320mm (12") LF **neodymium** magnet woofer with 64mm (2.5") voice coil, custom made for FBT
- > 25mm (1") exit throat **B&C HF** compression driver
- > Frequency response from 50Hz to 20 kHz
- > Biamped: **400w RMS LF, 100w RMS HF, Class D** power amplifiers with **switch mode power supplies**
- > Digital Signal Processor with **4 Equalization Presets**
- > 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
- > Sturdy gas-injected polypropylene molded enclosure with two integrated handles and Stage Floor Monitor taper
- > **4 x M10** suspension points, 35mm (1") top-hat speaker stand socket, wall bracket mount flange plate
- > Extremely light, Net Wt. only **12.6 kg** (28.1 lb)
- > Enclosure suitable for stacking

EvoMaxX 4

**300 W / 8 ohms
124 / 128dB SPL
Passive Sound
Reinforcement Speaker**

- > Passive version, recommended amplifier **300W RMS @ 8 ohms**
- > Built-in passive crossover with soft-trip protection for the LF woofer and HF driver
- > Speakon NL-4 IN and LINK OUT connectors





EvoMaxX 2a

400W RMS + 100W RMS
122.5 / 128dB SPL
Processed Active Speaker

- > 2-way, bi-amplified, bass reflex design cabinet
- > 250mm (10") LF neodymium magnet woofer with 50mm (2") voice coil, custom made for FBT
- > 25mm (1") throat exit B&C HF compression driver
- > Frequency response from 58Hz to 20 kHz

- > Biamped: **400w RMS LF, 100w RMS HF, Class D** power amplifiers with **switch mode power supplies**
- > Digital Signal Processor with **4 Equalization Presets**
- > 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
- > Sturdy gas-injected polypropylene molded enclosure with one integrated handle and Stage Floor Monitor taper
- > **2 x M10** suspension points, 35mm (1 ") top-hat speaker stand socket, wall bracket mount flange plate
- > Extremely light, Net Wt. only **9.6 Kg** (21.12 lb)
- > Enclosure suitable for stacking



EvoMaxX 2

250W / 8 ohms
121 / 125dB SPL
Passive Sound Reinforcement Speaker

- > Passive version, recommended amplifier **250W RMS @ 8 ohms**
- > Built-in passive crossover with soft-trip protection for the LF woofer and HF driver
- > Speakon NL-4 IN and LINK OUT connectors



EvoMaxX 9Sa

600W RMS
130 / 134dB SPL
Processed Active Subwoofer

- > **Compact bass-reflex** design Subwoofer
- > 380mm (15") high excursion **neodymium** magnet woofer with 75mm (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
- > **Polyethylene cabinet enclosure** with internal wooden reinforcements
- > **M20** (20mm) top mount speaker stand socket, two integrated carrying handles
- > Extremely lightweight only **21.7 Kg** (48.4 lb)
- > Provides additional low frequency reinforcement when used along with 2 - way EVOMaxX speakers



SUBLINE 15Sa

600W
131 / 135dB SPL
Processed Active Subwoofer

- > **Compact band-pass** design Subwoofer with **high SPL** and punch
- > 380mm (15") high excursion **neodymium** magnet woofer with 75mm (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 **Stereo combo XLR/Jack in/outs, Stereo XLR HP-filter outs**, Volume, EQ Presets, Phase Reversal Switch 0°-180°, 3 status LED indicators



- > 15mm (5/8") **Baltic birch plywood cabinet** with scratch & scuff resistant paint finish
- > M20 (20mm) top mount speaker stand socket, two aluminum carrying handles

- > Very Lightweight only **26.3 Kg** (57.98 lb)
- > Provides additional low frequency reinforcement when used along with 2 - way EVOMaxX speakers



SUBLINE 18Sa

1200W
133 / 137dB SPL
Processed Active Subwoofer

- > **Bass-reflex** design Subwoofer
- > 460mm (18") high excursion woofer with 75mm (3") voice coil,

- custom made for FBT by B&C**
- > Frequency response from **33Hz - 120Hz**
- > **1200W RMS Class D** power amplifier with **switch mode power supply**
- > **Digital Signal Processor with 6 presets**, 3 equalization with 2 LPF Crossover Settings, Digital 6 step delay line
- > Control Panel with **Stereo XLR in/outs**, Volume, EQ Presets, Delay, Phase Reversal Switch 0°-180°, 3 status LED Indicators
- > 15mm (5/8") **Baltic birch plywood cabinet** with scratch & scuff resistant paint finish








- > M20 (20mm) top mount speaker stand socket, two aluminum carrying handles
- > Provides additional low frequency reinforcement when used along with 2 - way EVOMaxX speakers





| Model | | EVOMaxX 6a | EVOMaxX 4a | EVOMaxX 2a | EVOMaxX 9Sa | SUBLINE 15Sa | SUBLINE 18Sa |
|------------------------------------|------------|-------------------------------|-------------------------------|-------------------------------|-------------------------------|-----------------------------------|----------------------------------|
| Configuration | way | 2 | 2 | 2 | 1 | 1 | 1 |
| Built-in amplifier cont. rms LF/HF | W | 350/80 | 350/80 | 350/80 | 400 | 400 | 900 |
| Built-in amplifier max. rms LF/HF | W | 400/100 | 400/100 | 400/100 | 600 | 600 | 1200 |
| Built-in amplifier max. peak LF/HF | W | 800/200 | 800/200 | 800/200 | 1200 | 1200 | 2400 |
| Frequency response | @-6dB | 42Hz - 20KHz | 50Hz - 20KHz | 58Hz - 20KHz | 40Hz - 120Hz | 38Hz - 120Hz | 33Hz - 120Hz |
| Low frequency woofer | inch | 15 - 2.5 coil - neodymium | 12 - 2.5 coil - neodymium | 10 - 2 coil - neodymium | 1x15 - 3 coil - neodymium | 1x15 - 3 coil - neodymium | 1x18 - 3 coil - neodymium |
| 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 | 131 / 135 half-space | 133 / 137 half-space |
| Dispersion | H x V | 90° x 60° | 90° x 60° | 90° x 60° | omnidirectional | omnidirectional | omnidirectional |
| Input impedance | kOhm | 22 | 22 | 22 | 22 | 22 | 22 |
| Crossover frequency | kHz | 1.6 | 1.6 | 1.8 | preset dependant | preset dependant | preset dependant |
| AC Power requirements | VA | 450 | 450 | 450 | 450 | 450 | 800 |
| Input connectors | | XLR with loop | XLR with loop | XLR with loop | stereo XLR with loop, HP out | stereo XLR with loop, HP out | stereo XLR with loop |
| Power cord | m / inch | 5 / 16.4 | 5 / 16.4 | 5 / 16.4 | 5 / 16.4 | 5 / 16.4 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 | 480X560X595 18.91x22.06x 23.44 | 540X620X670 21.28x24.43x26.4 |
| Net weight | kg / lb | 21 / 46.8 | 12.6 / 28.1 | 9.6 / 21.12 | 21.7 / 48.4 | 26.3 / 57.98 | 41 / 90.39 |
| 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 | 580x645x685 22.85x25.41x 26.99 | 635x695x750 25.02x27.38x29.55 |
| Transport weight | kg / lb | 25 / 55.8 | 15.6 / 34.8 | 12.1 / 26.6 | 25.7 / 57.4 | 30.6 / 67.46 | 45.5 / 100.31 |

| Model | | EVOMaxX 6 | EVOMaxX 4 | EVOMaxX 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 - neodymium | 1x12 - 2.5 coil - neodymium | 1x10 - 2 coil - neodymium |
| 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 | 21 / 46.9 | 12.3 / 27.5 | 9.4 / 20.7 |
| Transport dimensions(WxHxD) | mm inch | 595x878x515 23,4x34,6x20,3 | 510x704x410 20,1x29,1x16,1 | 435x630x395 17,1x24,8x15,5 |
| Transport weight | kg / lb | 25 / 55.7 | 15.3 / 34.1 | 11.4 / 25.1 |

-  PWM Amplifier
-  Switch Mode Power Supply
-  Neodymium Woofer
-  Digital Processor
-  Lightweight
-  Floor Monitor
-  Hardware for permanent installations



FBT elettronica SpA
 Via Paolo Soprani, 1
 Zona Ind.le Squartabue
 62019 Recanati (MC) - Italy
 Tel. +39-071750591
 Fax +39-0717505920
www.fbt.it info@fbt.it