







With the new HiMaxX series, FBT establishes a reference point on the scenario of 12" and 15" enclosures in polypropylene for sound reinforcement, introducing performance and technical content of a standard unthinkable up until now.

FBT HiMaxX takes its place alongside the FBTMaxX series, exalting all the technical features.

The study of a **new cabinet in polypropylene**, the use of a **switch mode power supply** and **high-efficiency power amplifiers** and the **redesign of the loudspeakers** were the activities of the FBT R&D team aimed at maximizing the

power:weight ratio.

This series comprises **three models**; two 2-way full-range enclosures in polypropylene, **HiMaxX 40** (12"+1") and **HiMaxX 60** (15"+1.4"), plus a compact 18" bandpass SUB in birch plywood (**HiMaxX 100Sa**).

**Compact and light weight**, HiMaxX brilliantly solve all the most demanding requests from buffs, musicians and professionals looking for **powerful, versatile and very high quality** loudspeaker enclosures. Ideal for live and sound reinforcement applications requiring **ease of transport**, they are also suited to **fixed installations**, thanks to the cabinets' format and optional accessories.



**HiMaxX 60a**  
700+200W  
**HiMaxX 60**  
700W



**HiMaxX 40a**  
500+150W  
**HiMaxX 40**  
500W



**HiMaxX 100Sa**  
900W





- > A powerful dynamic design for aggressive clean-cut lines.  
**A sturdy light-weight box that ensures great versatility** and is ready for installation, thanks to its special mounting points and optional accessories.  
 The asymmetrical design enables the enclosures to be used as stage monitors.
- > A specially designed control panel ensures **ease of use and intuitive control**. Mic/line input, auxiliary stereo input with (HiMaxX 40a), 3-band EQ, ground-lift, diagnostic LED.



> Loudspeaker totally redesigned in collaboration with B&C. FBT studied and designed a **special chassis**, a **more efficient ventilation circuit** with a consequent reduction of 2dB "power compression", a **considerably stiffer cone** to improve reliability and distortion and an even **more powerful neodymium magnet** to increase control and efficiency. The voice coil has a diameter of 75 mm (3") for **higher power handling and reliability**.



> **B&C compression driver** with a 25 mm (1") throat and 44 mm (1.7") coil (HiMaxX 40) for high power handling. Thanks to the use of a **shorting copper cap**, high frequencies are even more dynamic and crystal-clear.

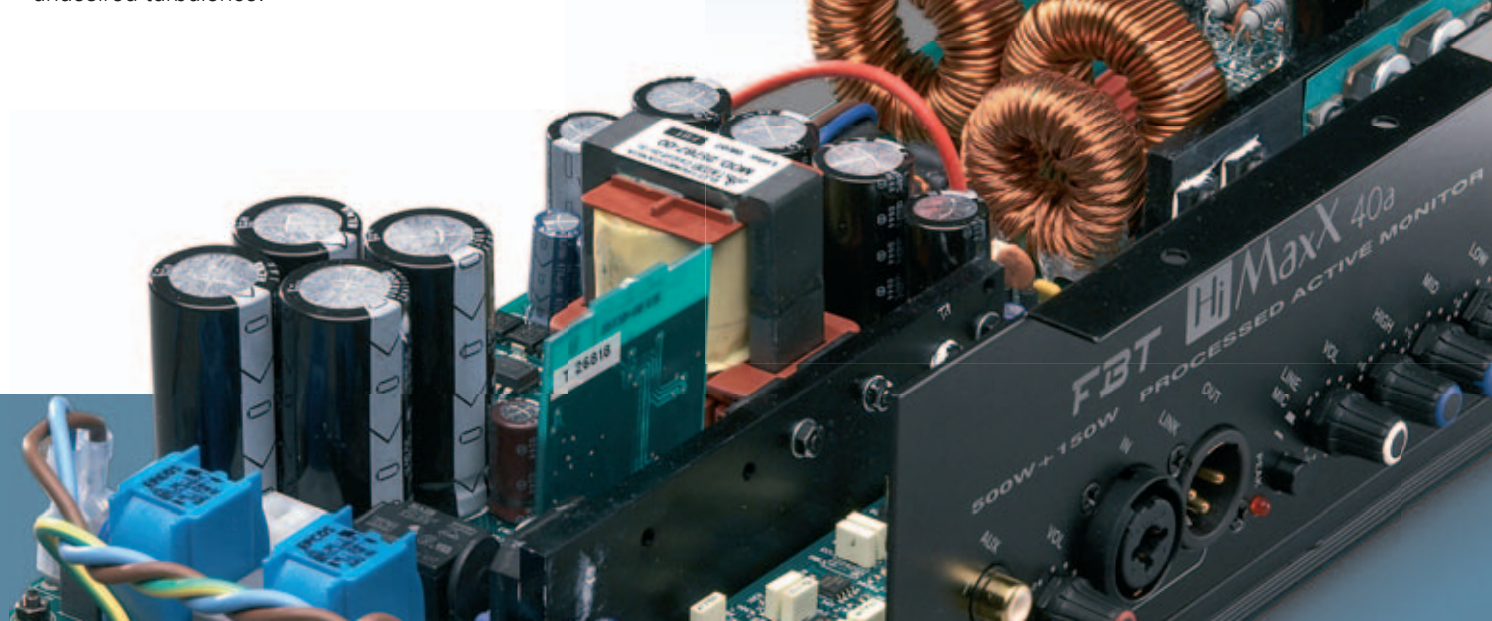


> The development of the innovative amplifier is the result of years of research by the FBT R&D labs. It manages to combine the contrasting features of **lightness, high power, efficiency and reliability**, using the very latest technology. **A switch mode power supply** to reduce the weight and increase the power output velocity, a very high performance **PWM amplifier for the low frequencies**, to maximize the power fed out with minimum heat dissipation. **A Class G amplifier for the high frequencies** enables to achieve the audio quality of a Class A, with a much higher output.

> **The silent preamplifier** manufactured with SMD technology has the job of handling the equalization, 24dB/oct crossover, sophisticated protections, limiter and the commands of the control panel.

> **The horn's profile** has been **redesigned** to ensure greater directivity control and lower distortion. The dispersion angle is 90°H x 60°V.

> **Research work carried out with the university on the cabinet's resonance and the fluid dynamics** of the air led to the manufacture of a box in polypropylene with injection of absolutely inert GAS and efficient reflex ducts free from undesired turbulence.







### HiMaxX 60a

**700W + 200W - 129dB SPL  
Processed Active Monitor**

- > 2-way, bi-amplified in Bass-Reflex design
- > **B&C custom designed 380 mm (15") neodymium woofer** with 75 mm (3") voice coil
- > **B&C 36 mm (1.4") compression driver** with 64 mm (2.5") voice coil
- > **700Wrms PWM LF power amplifier**
- > **200Wrms Class G HF power amplifier**
- > **Switch mode power supply** for an excellent ratio weight/power
- > Analog signal processor with limiter
- > **Completely redesigned control panel with:**
  - XLR Input and XLR Link
- **Gain and Volume functions in a single potentiometer** to improve user friendliness improving the dynamic range and input signal/noise ratio
- **3-band EQ (Bass, Mid, High)**
- **Ground-lift**
- **Diagnostic LED**
- > **90°H x 60°V** constant directivity horn
- > **4 x M10 anchoring points, 35 mm Ø (1.38") top-hat** for speaker stand



placement and wall bracket mount flange, **2 integrated carrying handles**

### HiMaxX 60

**700W / 8ohm - 128dB SPL  
Passive monitor**

- > Passive version, **700Wrms/8ohm recommended amplifier**
- > Passive crossover filter featuring "soft-trip" circuitry to ensure full protection of LF woofer and HF driver
- > 2 NL-4 Neutrik™ Speakon connectors



### HiMaxX 40a

**500W + 150W - 127dB SPL  
Processed Active Monitor**

- > 2-way, bi-amplified in Bass-reflex design
- > **B&C custom designed 320 mm (12") neodymium woofer** with 75 mm (3") voice coil
- > **B&C 25 mm (1") compression driver** with 44 mm (1.7") voice coil
- > **500Wrms PWM LF power amplifier**
- > **150Wrms Class G HF power amplifier**
- > **Switch mode power supply** for an excellent ratio weight/power
- > Analog signal processor with limiter
- > **Completely redesigned control panel with:**
  - **Gain and Volume functions in a single potentiometer** to improve user friendliness improving the dynamic range and input signal/noise ratio
  - **Combo XLR/jack input XLR link**
  - **Mic/Line selection**
  - **Independent RCA input channel with separate volume control** to connect external devices such as MP3, CD, PC players
  - **3-band EQ (Bass, Mid, High)**
  - **Ground-Lift**
  - **Diagnostic LED**
  - > **90°H x 60°V** constant directivity horn
  - > **4 x M10 anchoring points, 35 mm Ø (1.38") top-hat** for speaker stand placement and wall bracket mount flange, **2 integrated carrying handles**
  - > Enclosure suitable for stacking

### HiMaxX 40

**500W / 8ohm - 127dB SPL  
Sound Reinforcement Monitor**

- > Passive version, **500Wrms/8ohm recommended amplifier**
- > Passive crossover filter featuring "soft-trip" circuitry to ensure full protection of LF woofer and HF driver
- > 2 NL-4 Neutrik™ Speakon connectors





## HiMaxX 100Sa

**900W - 133dB SPL**

**Processed Active Subwoofer**

- > Self-powered bandpass subwoofer
- > **18" (460 mm) custom neodymium B&C woofer** with a 3" (75 mm) voice coil
- > Built-in **900Wrms PWM** amplifier
- > **Switch mode power supply**
- > Analogue signal processor with limiter
- > Control panel with:
  - **XLR/input and XLR stereo outputs with Hi-Pass**, filter for connecting the satellites

- Volume
- Ground-Lift
- 0°-180° phase inverter switch
- Limiter LED
- > **Box in 18 mm (0.7") birch plywood**
- > The special **"bandpass"** acoustic loading increases efficiency and maximum SPL
- > **Eight M10 mounting points, stand socket and two integrated wooden handles.**
- > Optional 4 swivel-mount casters 80 mm ø (3.15") on request.



### BOX 100

Ceiling bracket balancing stand



### BOX 32BK

Adjustable floor stand  
(ø 35 mm – 1.38")  
– max weight  
56 Kg (124 Lb)



| Model                        |       | HiMaxX 60a     | HiMaxX 40a                 | HiMaxX 100Sa         |
|------------------------------|-------|----------------|----------------------------|----------------------|
| Configuration                | way   | 2              | 2                          | Band-Pass            |
| Built-in amplifiers LF/HF    | Wrms  | 700/200        | 500/150                    | 900                  |
| Frequency response           | @-6dB | 40Hz - 20kHz   | 45Hz - 20kHz               | 38 - 120Hz           |
| Low frequency woofer         | inch  | 1x15 - 3 coil  | 1x12 - 3 coil              | 1x18 - 3 coil        |
| High frequency driver        | inch  | 1,4 - 2,5 coil | 1 - 1,7 coil               | /                    |
| Sensitivity (@1W/1m)         | dB    | 99             | 99                         | 102                  |
| Maximum SPL                  | dB    | 129            | 127                        | 133                  |
| Dispersion                   | H x V | 90° x 60°      | 90° x 60°                  | omnidirectional      |
| Input impedance              | kohm  | 22             | 22                         | 22                   |
| Crossover frequency          | kHz   | 1,2            | 1,6                        | active 120           |
| Input connectors             |       | XLR with loop  | XLR/jack with loop RCA aux | stereo XLR with loop |
| Power cord                   | m     | 5              | 5                          | 5                    |
| Net dimensions (WxHxD)       | mm    | 482x757x427    | 407x634x370                | 530x605x655          |
|                              | inch  | 19x29,8x16,8   | 16x24,9x14,5               | 21x23,8x25,8         |
| Net weight                   | kg    | 28,3           | 17,9                       | 43                   |
|                              | lb    | 62,4           | 39,4                       | 94,8                 |
| Transport dimensions (WxHxD) | mm    | 520x867x600    | 495x720x470                | 660x735x785          |
|                              | inch  | 20,4x34,1x23,6 | 19,5x28,3x18,5             | 26x29x31             |
| Transport weight             | kg    | 30,3           | 20,5                       | 47                   |
|                              | lb    | 66,8           | 45,2                       | 103,6                |

| Model                        |       | HiMaxX 60      | HiMaxX 40      |  |
|------------------------------|-------|----------------|----------------|--|
| Configuration                | way   | 2              | 2              |  |
| Recommended amplifier        | Wrms  | 700            | 500            |  |
| Long term power              | W     | 350            | 250            |  |
| Short term power (IEC 268-5) | W     | 1400           | 1000           |  |
| Nominal impedance            | ohm   | 8              | 8              |  |
| Frequency response           | @-6dB | 40Hz - 20kHz   | 50Hz - 20kHz   |  |
| Low frequency woofer         | inch  | 1x15 - 3 coil  | 1x12 - 3 coil  |  |
| High frequency driver        | inch  | 1,4 - 2,5 coil | 1 - 1,7coil    |  |
| Sensitivity (@1W/1m)         | dB    | 99             | 99             |  |
| Maximum SPL                  | dB    | 128            | 127            |  |
| Dispersion                   | H x V | 90° x 60°      | 90° x 60°      |  |
| Crossover frequency          | kHz   | 1,3            | 1,6            |  |
| Recommended HP filter        |       | 35Hz - 24dBoct | 45Hz - 24dBoct |  |
| Recommended external filter  |       | /              | /              |  |
| Input connectors             |       | 2 x Speakon    | 2 x Speakon    |  |
| Net dimensions (WxHxD)       | mm    | 482x757x427    | 407x634x370    |  |
|                              | inch  | 19x29,8x16,8   | 16x24,9x14,5   |  |
| Net weight                   | kg    | 26             | 16             |  |
|                              | lb    | 57,3           | 35,2           |  |
| Transport dimensions (WxHxD) | mm    | 520x867x600    | 495x720x470    |  |
|                              | inch  | 20,4x34,1x23,6 | 19,5x28,3x18,5 |  |
| Transport weight             | kg    | 28,5           | 18,5           |  |
|                              | lb    | 62,8           | 40,8           |  |