ProMaxX

Pro

**Speaker
Systems**

Designed, engineered
and manufactured in Italy

FBT

ProMaxX 14a
600+300W
ProMaxX 14
700W
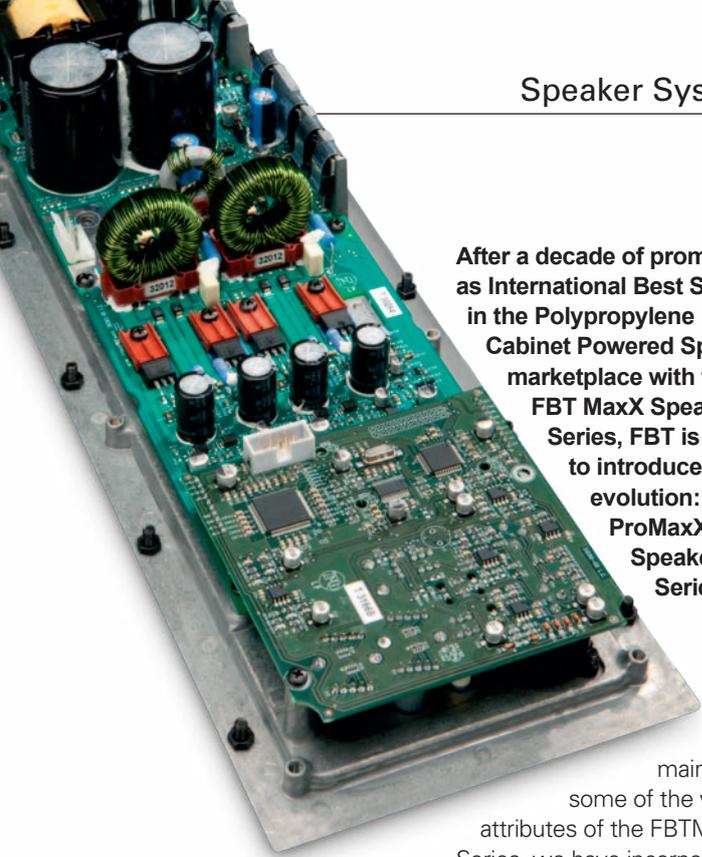
After a decade of prominence as International Best Sellers in the Polypropylene Cabinet Powered Speaker marketplace with the FBT MaxX Speakers Series, FBT is proud to introduce the evolution: the ProMaxX Speaker Series.

While maintaining some of the winning attributes of the FBTMaxX Series, we have incorporated our latest technological advancements by FBT's R&D team into a new series of speakers that will absolutely stun you with their quality construction, the utmost in reliability, new outstanding features, extreme portability, and most of all unrivaled and truly unbelievable FIDELITY.

While building on the guidelines of the FBTMaxX Series, the **ProMaxX** Series 2-way speakers feature a sophisticated new cabinet design that increases low frequency SPL and virtually eliminates undesired resonance. A **new FBT horn** design provides improved projection, accuracy and uniform dispersion of the mid high and high frequencies. Two ergonomically placed carrying handles are integrated into the cabinets for easier placement on speaker stands and when transporting.

Along with our new cabinet designs, the **ProMaxX** Speaker Series with its innovative electronic **DSP** circuitry and FBT's latest technological breakthroughs in the development **Class D amplification** circuitry, "Raises the Bar to New Heights" for **lightweight** powered speaker systems. Combining this with their ease of use and the

versatility for many portable or installed sound reinforcement applications, the ProMaxX Speakers provide Musicians, DJ's, Audio / Video Contractors, Sound Reinforcement and Audio Rental Companies with advanced systems of Pro audio reproduction.

The ProMaxX Series consists of 4 powered and 3 passive models.
Three Two -way speaker systems in gas-injected polypropylene molded cabinets and a powered sub with a Baltic birch plywood enclosure.
ProMaxX 10a / ProMaxX 10: 10" LF woofer +1" HF driver
ProMaxX 12a / ProMaxX 12: 12" LF woofer + 1" HF driver
ProMaxX 14a / ProMaxX 14: **New** 14" LF woofer + 1,4" HF driver
ProMaxX 15Sa Subwoofer: a compact 15" band-pass design subwoofer in a Baltic birch plywood enclosure.
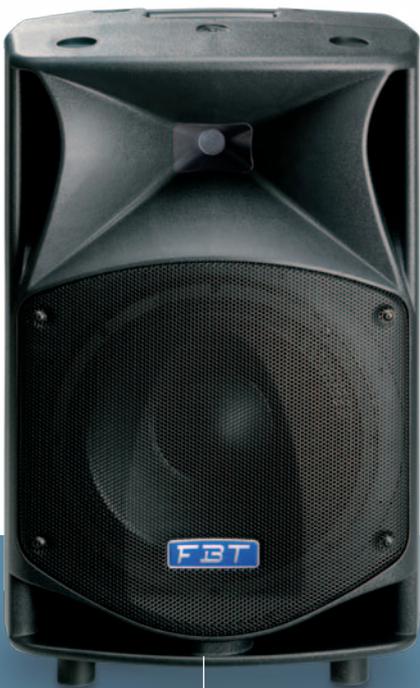
ProMaxX 12a
600+300W
ProMaxX 12
600W
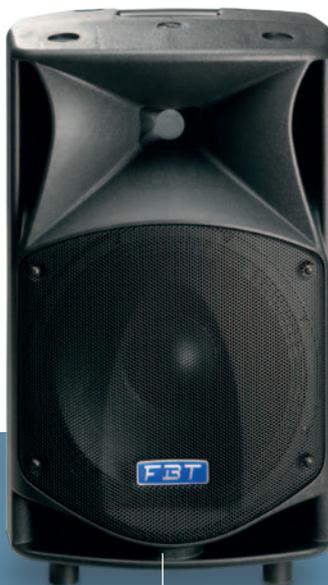
ProMaxX 10a
600+300W
ProMaxX 10
400W

ProMaxX 15Sa
1200W

> New sturdy, gas-injected polypropylene molded enclosures, engineered to contain undesired resonance
> **B&C neodymium** magnet loudspeakers, custom made for FBT
> The latest generation of **B&C HF neodymium** magnet compression drivers
> FBT's latest **Class D**, LF and HF power amplifiers with **high efficiency switch mode power supplies** enclosed inside a thermally efficient lightweight aluminum die-cast chassis. This allows for the optimization of the speaker load without the use of fans for cooling
> Proprietary filter algorithms, dynamic equalization at low frequencies, and advanced energy control allow **high SPL** while always granting reliable and distortion free audio reproduction
> **New and original horn** profile provides extremely accurate and uniform dispersion for the entire frequency radiation angle, not just for the horizontal and vertical plane
> An **increase in total SPL** thanks to our new enclosure design, engineered with 4 bass-reflex ports to increase the size of the radiation area, This further enhances low frequency efficiency and performance without a substantial increase in the external dimensions of the cabinets
> Two integrated ergonomically placed carrying handles, **M10 fly points**, top-hat speaker stand socket

Instead of rotary EQ controls, FBT's **New Digital Signal Processor with 8 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 ProMaxX speakers for use for numerous applications

Practically 8 speakers in one!

The presets include:

> **ORIGINAL:** corresponds to the typical FBT sound for use in general applications
> **FLOOR:** the ProMaxX 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
> **HI-END SYSTEM:** provides a response similar to speakers used for touring sound
> **FARFIELD:** optimized response for listening distance over 15-20 meters, (48-65-ft,)
> **NEARFIELD**: optimized response for listening distance of up to 8 mt (25ft,)
> **LOUDNESS**: low frequency emphasis / presense at lower volumes for recorded music playback or disco

Our **new unique 14" LF woofer with a 3" voice coil** is featured in the **ProMaxX 14a**, This 14" woofer is housed inside the same enclosure as the ProMaxX 12a, and delivers the **performance of a 15" woofer, but at the size and weight of a 12"!**

Two - way cabinets have **3 monitor tapers** for use as a floor wedge at **12°, 45°, 55°**, providing extraordinary versatility for monitor placement on stage

12°   40°   55°

Speaker Systems

ProMaxX 14a

**600W RMS + 300W RMS
135,5dB SPL
Processed Active Speaker**

> 2-way, bi-amplified, bass reflex design cabinet
> **NEW!** 355 mm (**14"**) LF neodymium magnet woofer with 75mm (**3"**) voice coil, **custom made for FBT by B&C**
> 35 mm (**1,4"**) exit throat B&C HF neodymium magnet compression driver with 64 mm (**2,5"**) voice coil
> Frequency response from 45Hz to 20 kHz
> Biamped: **600W RMS LF, 300W RMS HF, Class D** power amplifiers with **switch mode power supplies**
> Digital signal processor with **8 equalization presets**
> Control Panel: features XLR

input and link out, Volume, EQ Presets, HP Filter, Ground-Lift Switch
> **90°H x 60°V** constant directivity horn
> Compact Dimensions: **ProMaxX 14a uses the same size gas-injected polypropylene molded enclosure as the ProMaxX 12a, but features our New 14" LF Woofer** for more low frequency SPL
> Dual Purpose: Front of House or Stage Floor Monitor: with **12°, 40° and 55°** monitoring angles
> **2 x M10** suspension points, 35 mm (1,3/8") top-hat speaker stand socket, wall bracket mount flange plate
> Extremely light, only 16,5 kg (36,4 lb)

ProMaxX 14

**700W / 8ohm
132dB SPL
Passive Sound
Reinforcement Speaker**

> Passive version, recommended amplifier **700W 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

ProMaxX 12a

**600W RMS + 300W RMS
133dB SPL
Processed Active Speaker**

> 2-way, bi-amplified, bass reflex design cabinet
> 320 mm (**12"**) LF neodymium magnet woofer with 75 mm (**3"**) voice coil, **custom made for FBT by B&C**
> 25mm (**1"**) exit throat **B&C HF neodymium** magnet compression driver
> Frequency response from 48Hz to 20 kHz
> Biamped: **600W RMS LF, 300W RMS HF, Class D** power amplifiers with **switch mode power supplies**
> Digital signal processor with **8 equalization presets**

> Control Panel: features XLR input and link out, Volume, EQ Presets, HP Filter, Ground-Lift Switch
> **90°H x 60°V** constant directivity horn
> Sturdy gas-injected polypropylene molded enclosure with 2 integrated handles
> **2 x M10** suspension points, 35mm (1,3/8") top-hat speaker stand socket, wall bracket mount flange plate
> Dual Purpose: Front of House or Stage Floor Monitor: with **12°, 40° and 55°** monitoring angles
> Extremely light, only 15 kg (33,1 lb)

ProMaxX 12

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

> Passive version, recommended amplifier **600W 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

ProMaxX

ProMaxX 10a

**600W RMS + 300W RMS
131dB SPL
Processed Active Speaker**

> 2-way, bi-amplified, bass reflex design cabinet
> 250 mm (**10"**) LF **neodymium** magnet woofer with 64mm (**2,5"**) voice coil, **custom made for FBT by B&C**
> 25mm (**1"**) throat exit **B&C HF neodymium** magnet compression driver
> Frequency response from 58Hz to 20 kHz
> Biamped: **600W RMS LF, 300W RMS HF, Class D** power amplifiers with **switch mode power supplies**
> Digital signal processor with **8 equalization presets**

> Control Panel: features XLR input and link out, Volume, EQ Presets, HP Filter, Ground-Lift Switch
> **90°H x 60°V** constant directivity horn
> Sturdy gas-injected polypropylene molded enclosure with one integrated handle
> **2 x M10** suspension points, 35 mm (1,3/8") top-hat speaker stand socket, wall bracket mount flange plate
> Dual Purpose: Front of House or Stage Floor Monitor: **12°, 40° and 55° monitoring angles**
> Extremely light, only 11,2 kg (24,7 lb)

ProMaxX10

**400W / 8 ohms
127dB 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

ProMaxX 15Sa control panel

ProMaxX 15Sa

**1200W RMS
136dB SPL
Processed Active Subwoofer**

> **Compact band-pass** design subwoofer with **high SPL** and punch
> 380 mm (**15"**) high excursion woofer with 75 mm (**3"**) voice coil, **custom made for**

FBT by B&C
> Frequency response from 38Hz to 120Hz
> **1200W RMS Class D** power amplifier with **switch mode power supply**
> **Digital Signal Processor with 8 presets**, 2 equalization with 4 LPF different frequency
> Control Panel with XLR input and link out, Volume, EQ Presets, Delay, Phase Switch 0°-180°, Ground-Lift Switch
> 15mm (5/8") **Baltic birch plywood cabinet** with scratch & scuff resistant paint finish
> **M20** (20 mm) top mount speaker stand socket, two aluminum carrying handles
> Provides additional low frequency reinforcement when used along with 2 - way ProMaxX speakers

ProMaxX

Speaker Systems

Modello		ProMaxX 14a	ProMaxX 12a	ProMaxX 10a	ProMaxX 15Sa
Configuration	way	2	2	2	1
Built-in amplifier cont. rms LF/HF	W	400/200	400/200	400/200	800
Built-in amplifier max. rms LF/HF	W	600/300	600/300	600/300	1200
Built-in amplifier max. peak LF/HF	W	1200/600	1200/600	1200/600	2400
Frequency response	@-6dB	45Hz - 20KHz	48Hz - 20KHz	58Hz - 20KHz	38Hz - 120Hz
Low frequency woofer	inch	14 - 3 coil neodymium	12 - 3 coil neodymium	10 - 2,5 coil neodymium	1x15 - 3 coil neodymium
High frequency driver	inch	1,4 - 2,5 coil neodymium	1 - 1,4 coil neodymium	1 - 1,4 coil neodymium	-
Maximum SPL cont/peak	dB	127,5 / 135,5	126 / 133	123 / 127	132 / 136 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	1,3	1,6	1,8	preset dependant
AC Power requirements	VA	640	640	640	640
Input connectors		XLR with loop	XLR with loop	XLR with loop	XLR with loop
Power cord	m/ft	5/16,4	5/16,4	5/16,4	5/16,4
Net dimensions (WxHxD)	mm inch	402x644x345 15,8x25,4x13,6	402x644x345 15,8x25,4x13,6	320x550x275 12,6x21,6x10,8	507x585x605 20x23x23,82
Net weight	kg/lb	16,5 / 36,4	15 / 33,1	11,2 / 24,7	28,5 / 62,8
Transport dimensions(WxHxD)	mm inch	500x745x440 19,7x29,3x17,3	500x745x440 19,7x29,3x17,3	400x630x360 15,7x24,8x14,2	615x670x715 24,2x26,4x28,2
Transport weight	kg/lb	19,5 / 43	18 / 39,7	13,7 / 30,2	32,5 / 71,6

Modello		ProMaxX 14	ProMaxX 12	ProMaxX 10
Configuration	way	2	2	2
Recommended amplifier	W rms	700	600	400
Long term power	W	350	300	200
Short term power IEC 268-5	W	1400	1200	800
Nominal impedance	Ohm	8	8	8
Frequency response	@-6dB	50Hz - 18KHz	55Hz - 18KHz	60Hz - 18KHz
Low frequency woofer	inch	1x14 - 3 coil - neodymium	1x12 - 3 coil - neodymium	1x10 - 2,5 coil - neodymium
High frequency driver	inch	1 x 1,4 - 2,5 coil- neodymium	1 - 1,4 coil - neodymium	1 - 1,4 coil - neodymium
Sensitivity (@1W/1m)	dB	100	99	97
Maximum SPL cont/peak	dB	128 / 132	126 / 130	123 / 127
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 & throu	2 x Speakon NL4 in & throu	2 x Speakon NL4 in & throu
Net dimensions (WxHxD)	mm inch	402x644x345 15,8x25,4x13,6	402x644x345 15,8x25,4x13,6	320x550x275 12,6x21,6x10,8
Net weight	kg/lb	15,1 / 33,2	13,6 / 30	9,8 / 21,6
Transport dimensions (WxHxD)	mm inch	500x745x440 19,7x29,3x17,3	500x745x440 19,7x29,3x17,3	400x630x360 15,7x24,8x14,2
Transport weight	kg/lb	18,1 / 39,9	16,6 / 36,6	12,3 / 27,1

PWM Amplifier

Switch Mode Power Supply

Neodymium Woofer

Digital Processor

Lightweight

Floor Monitor

Hardware for permanent installations

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