

SPEAKER | 13
SYSTEM



**X-PRO
X-SUB**

X-PRO AND X-SUB AIM FOR SUCCESS!

No matter whether you're performing on stage, delivering a business presentation or designing the highest quality fixed installation, you want to leave an indelible mark on your audience. That's when FBT's new **X-PRO** series of powered speakers can help you make a difference. Constructed out of plywood enclosures finished with extra-texture paint, the **X-PRO** series is cut to withstand tour-tough conditions with Italian elegance and style. Professional features include ergonomic handles, M10 flying points, a monitor taper design, and a full protective grille. Meanwhile the onboard Class D amplifier module delivers an amazing 1000W power with a flexible DSP to allow personal EQ adjustments, while the low frequency response can be extended courtesy of the dedicated X-SUB 18" AND 15" powered subwoofers. Now the range, which already includes both active and passive 10", 12" and single 15" models, has been expanded with the bi-amplified X-PRO 215A, a two-way bi-amplified system rated at 1600W (Class D) + 200W (Class AB) to deliver 129 / 132dB SPL.



Designed as the perfect partner for the **X-LITE** and **X-PRO** series, FBT introduces the new **X-SUB 15SA** powered subwoofer. Loaded with a single 15" heavy duty woofer, the **X-SUB 15SA** is controlled by a 1200W Class D amplifier with DSP at 6 presets allowing perfect tailoring of the extended low frequency to the midhigh.

The rugged plywood enclosure is built to withstand touring conditions, yet crafted with Italian style to suit the most elegant fixed installations. Finally, the M20 thread allows for pole mounting on a 3-way system design.



Handles, **M10 rigging points** for suspended installation, 35mm stand socket and 35° or 45° monitor taper, all included to make the speaker adaptable to any application

X-PRO 215A
1600W
X-PRO 215
800W



X-PRO 15A
1000W
X-PRO 15
400W



X-PRO 12A
1000W
X-PRO 12
300W



X-PRO 10A
1000W
X-PRO 10
250W



X-SUB 18SA
1200W



X-SUB 15SA
1200W



X-PRO | X-SUB
Speaker Systems

X-PRO and X-SUB The professional's choice

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X-PRO Series common features

- Plywood cabinet with anti-scratch coating and an internal ply reinforcement
- **Custom FBT Speakers** with high linear excursion capability and efficiency
- Compression driver with 25mm (1") throat and 35mm (1.4") voice coil
- 1000W, 2-channel amplifier in Class D for **LF** and in **Class AB** for **HF** with a high dynamics response for a pleasant sound at high volume
- Universal switching mode power supply 100-240VAC
- **DSP with 4 EQ presets** designed to tailor the sound of the speaker to various applications and installation environments
- Advanced algorithms for filtering and equalization which alter the dynamics of the low frequency energy according to the selected preset, allowing distortion-free high SPL performance
- Control panel with XLR input and link out, 6.3mm jack stereo input with volume, stereo RCA input with volume, XLR output selector coupled with stereo / mono, HP filter on / off, mic / line, DSP preset selector
- Integrated mixer with two stereo channels, one channel mic / line input and an output coupled XLR mono / stereo to revive the

other channel of the stereo signal to another speaker.

- Constant directivity horn which can be rotated to vary the speaker's angle of coverage

The presence of 4 presets managed by DSP allows you to modify the response of the speaker in a much more accurate way compared to standard tone controls. In addition, each preset has been designed and optimized in an anechoic chamber to deliver the best possible performance for each application.

- **ORIGINAL / LIVE:** The ideal preset for live sound reinforcement
- **FLOOR / VOCAL:** A preset to transform your X-PRO cabinet for use as a stage monitor or for vocals
- **CLUB:** A special preset to deliver a rich, deep bass response that stays easy on listener's ears
- **DJ:** A preset designed to bring out the best in electronic dance music



Monitor 35°



X-PRO 215A

Processed Active Speaker
1600 + 200W RMS - 129/132dB SPL

- 2-way bi-amplified bass reflex
- **2 x 380mm (15") LF woofer with 64mm (2.5") voice coil**
- **25mm (1") throat /35mm (1.4") voice coil HF compression driver**
- 42Hz to 20KHz Frequency Response
- **1600W amplifier in Class D** for LF and **200W in Class AB** for HF with an high dynamics response for a pleasant sound at high volume
- **80° H x 50° V** constant directivity rotatable horn

X-PRO 215

Passive Reinforcement Speaker
800W/8ohm RMS - 132dB SPL



X-PRO 15A

Processed Active Speaker
1000W RMS - 128dB SPL

- 2-way bi-amplified bass reflex
- FBT **Custom 380mm (15") LF woofer with 64mm (2.5") voice coil**
- FBT **25mm (1") throat /35mm (1.4") voice coil HF compression driver**
- 42Hz to 20KHz Frequency Response
- **80° H x 50° V** constant directivity rotatable horn
- **35° or 45°** monitor taper

X-PRO 15

Passive Reinforcement Speaker
400W/8ohm RMS - 126dB SPL



X-PRO 12A

Processed Active Speaker
1000W RMS - 127dB SPL

- 2-way bi-amplified bass reflex
- FBT **Custom 320mm (12") LF woofer with 50mm (2") voice coil**
- FBT **25mm (1") throat /35mm (1.4") voice coil HF compression driver**
- 50Hz to 20KHz Frequency Response
- **80° H x 50° V** constant directivity rotatable horn
- **35°** monitor taper

X-PRO 12

Passive Reinforcement Speaker
300W/8ohm RMS - 125dB SPL





X-PRO 10A

Processed Active Speaker
1000W RMS - 126dB SPL

- 2-way bi-amplified bass reflex
- FBT **Custom 250mm (10")** LF woofer with **50mm (2")** voice coil
- FBT **25mm (1")** throat /35mm (1.4") voice coil HF compression driver
- 58Hz to 20KHz Frequency Response
- **80° H x 50° V** constant directivity rotatable horn
- **35°** monitor taper

X-PRO 10

Passive Reinforcement Speaker
250W/8ohm RMS - 123dB SPL



X-SUB 18SA

Processed Active Subwoofer
1200W RMS - 136dB SPL

- Compact band-pass design subwoofer with high SPL and punch
- **460mm (18")** high excursion woofer with **75mm (3")** voice coil
- Frequency response from 38Hz to 120Hz
- **1200W RMS Class D** power amplifier with switch mode supply
- Digital Signal processor with **6 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°, status LED indicators
- **18mm** plywood cabinet with scratch & scuff resistant paint finish
- **M20 (20mm)** top mount speaker stand socket, two FBT design aluminum handles, **100 mm optional wheels**
- Provides additional low frequency reinforcement when used along with X-PRO or X-LITE



X-SUB 15SA

Processed Active Subwoofer
1200W RMS - 131/135dB SPL

- Compact bass reflex design subwoofer with high SPL and punch
- **380mm (15")** high excursion woofer with **75 mm (3")** voice coil
- Frequency response from 42Hz to 120Hz
- **1200W Class D** power amplifier with switch mode supply
- Digital Signal processor with **6 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°, status LED indicators
- **15mm plywood** cabinet with scratch & scuff resistant paint finish
- **M20 (20mm)** top mount speaker stand socket, two FBT design aluminum handles, **100mm optional wheels**
- Provides additional low frequency reinforcement when used along with X-PRO or X-LITE speaker series





Model		X-PRO 215A	X-PRO 15A	X-PRO 12A	X-PRO 10A	X-SUB 18SA	X-SUB 15SA
Configuration	way	2	2	2	2	1	1
Built-in amplifier max LF/HF	W	1600/200	800/200	800/200	800/200	1200	1200
Frequency response	@-6dB	42Hz - 20KHz	42Hz - 20KHz	50Hz - 20KHz	58Hz - 20KHz	38Hz - 120Hz	42Hz - 120Hz
Low frequency woofer	inch	2 x 15 - 2.5 coil	15 - 2.5 coil	12 - 2 coil	10 - 2 coil	18 - 3 coil	15 - 3 coil
High frequency driver	inch	1 - 1.4 coil	1 - 1.4 coil	1 - 1.4 coil	1 - 1.4 coil	-	-
Maximum SPL peak	dB	129 / 132	123 / 128	122 / 127	121 / 126	132 / 136 half space	131 / 135 half space
Dispersion	H x V	80° x 50° rotatable	80° x 50° rotatable	80° x 50° rotatable	80° x 50° rotatable	omni	omni
Input impedance	kOhm	22	22	22	22	22	22
Input connectors		XLR with loop, Jack ST, RCA ST	XLR with loop, Jack ST, RCA ST	XLR with loop, Jack ST, RCA ST	XLR with loop, Jack ST, RCA ST	XLR ST with loop, XLR ST OUT	XLR ST with loop, XLR ST OUT
Power cord	mm / inch	5 / 16.4	5 / 16.4	5 / 16.4	5 / 16.4	5 / 16.4	5 / 16.4
Net dimensions (WxHxD)	mm inch	437x1175x440 17.2x46.2x17.3	440x735x440 17.32x28.93x17.32	370x640x370 14.56x25.19x14.56	315x550x315 12.40x21.65x12.40	510x666x650 20.07x26.22x25.59	455x586x570 17.9x23.1x22.4
Net weight	kg / lb	37 / 81.2	20 / 44.1	16 / 35.3	12.5 / 27.5	34 / 74.95	30 / 66.1
Transport dimensions(WxHxD)	mm inch	537x1275x540 21.1x50.2x21.2	535x810x535 21.06x31.88x21.06	465x715x465 18.30x28.14x18.30	410x625x410 16.14x24.60x16.14	600x740x740 23.62x29.13x29.13	555x686x670 21.8x27.0x26.4
Transport weight	kg / lb	42 / 92.6	24 / 52.9	19 / 41.9	15 / 33.1	37 / 81.57	35 / 77.2

Model		X-PRO 215	X-PRO 15	X-PRO 12	X-PRO 10
Configuration	way	2	2	2	2
Recommended amplifier	W rms	800	400	300	250
Long term power *	W	400	200	150	125
Short term power (IEC 268-5) **	W	1600	800	600	500
Nominal impedance	Ohm	4	8	8	8
Frequency response	@-6dB	50Hz - 20KHz	53Hz - 20KHz	56Hz - 20KHz	68Hz - 20KHz
Low frequency woofer	inch	2 x 15 / 2.5 coil	15 / 2.5 coil	12 / 2 coil	10 / 2 coil
High frequency driver	inch	1 / 1.4 coil	1 / 1.4 coil	1 / 1.4 coil	1 / 1.4 coil
Sensitivity (@1W/1m)	dB	101	98	97	96
Maximum SPL cont/peak	dB	129 / 132	123 / 126	122 / 125	120 / 123
Dispersion	H x V	80°x50° rotatable	80°x50° rotatable	80°x50° rotatable	80°x50° rotatable
Crossover frequency	kHz	1.8	1.8	2	2.5
Recommended HP filter		HP40Hz 12-24db/oct	HP40Hz 12-24db/oct	HP 45Hz 12-24db/oct	HP 55Hz 12-24db/oct
Recommended external DSP		FBT DLM26	FBT DLM26	FBT DLM26	FBT DLM26
Input connectors		2 x SPEAKON	2 x SPEAKON	2 x SPEAKON	2 x SPEAKON
Net dimensions (WxHxD)	mm inch	437x1175x440 17.2x46.2x17.3	440x735x440 17.32x28.93x17.32	370x640x370 14.56x25.19x14.56	315x550x315 12.40x21.65x12.40
Net weight	kg / lb	36 / 79.4	20 / 44.1	16 / 35.3	12.5 / 27.5
Shipping dimensions(WxHxD)	mm inch	537x1275x540 21.1x50.2x21.2	535x810x535 21.06x31.88x21.06	465x715x465 18.30x28.14x18.30	410x625x410 16.14x24.60x16.14
Shipping weight	kg / lb	42 / 92.6	24.5 / 54.01	19.3 / 42.5	15 / 33.06

* 100 hour power test, IEC 268-5 standard (display the long term RMS voltage handling, using IEC filtered 6db crest factor pink noise)

** Based on peak level of 6 db crest factor random noise signal used for test

Accessories page 76	X-PRO 215A	X-PRO 15A	X-PRO 12A	X-PRO 10A	X-SUB 18SA	X-SUB 18SA with wheels	X-SUB 15S	X-SUB 15S with wheels
Nylon cover	XP-C 215 41234	XP-C 15 39486	XP-C 12 39487	XP-C 10 39488	XS-C 18S 38895	XS-CH 18S 38896	XS-C 15S 41233	XS-CH 15S 41234
U bracket horizontal wall mount		XP-U 15 38894	XP-U 12 38893	XP-U 10 38892				
Wheels kit					KW-X SUB 38899			