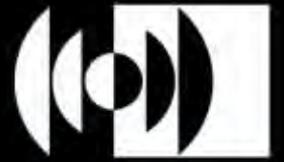
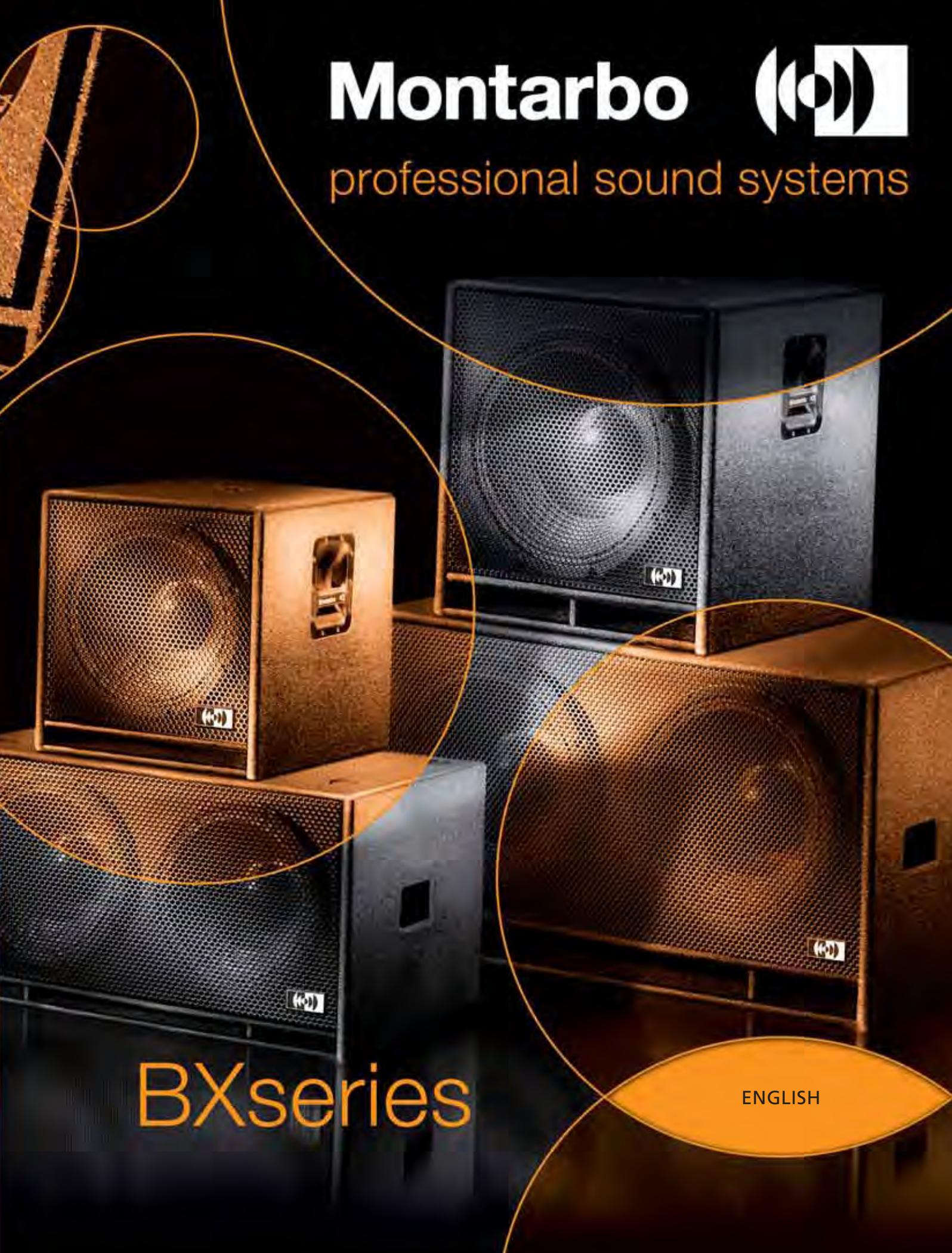


# Montarbo



professional sound systems



## BXseries

ENGLISH

BX is the new series of Montarbo active subwoofers, intended to re-define performance level in this category.

They are characterized by their top performance, which is the result of state-of-the-art engineering and extremely high-quality components and workmanship.

The BX series includes four models: BX182A (dual 18" woofer), BX152A (dual 15" woofer), BX181A (single 18" woofer) and BX151A (single 15" woofer).

Each of them is equipped with low frequency drivers featuring neodymium alloy magnets and light-alloy die-cast frames, which ensure significant weight reduction. These custom designed woofers incorporate innovative manufacturing technologies that result in greater power handling with lower moving coil temperature, thus guaranteeing large reliability margins. The cone surround and the voice coil former and suspension are manufactured using new hi-tech materials, with improved fatigue, wear and aging behaviour.

They guarantee time constant performances, with no degradation of specifications, even under difficult environmental conditions.

The compact cabinets make for easy transport and installation, but they don't compromise in terms of low frequency response extension and exact reproduction of transients.

The on-board electronics, the fruit of cutting-edge engineering, include self-diagnostics circuitry and a sophisticated speaker protection circuit that monitor the operation of the internal power amplifiers in real time. The latter, developed in the Montarbo R&D labs, is a Dynamic EQ Controller (D.E.Co.), that integrates the functions of a dynamic equalizer with those of a compressor/limiter, whose operating thresholds are dynamically set, in real time, by the amplifier's available power reserve. The D.E.Co. eliminates power amplifier clipping, even with very high input signals, and the dynamic equalizer controls the frequency response, thus guaranteeing a full and controlled bass response, without compromising the available dynamic range.

An internal stereo electronic cross-over (that may be bypassed for wide-band use) drives the internal low frequency power amplifiers and the external active loudspeakers (or external power amplifiers) for the middle and high frequency range.

The absolute phase of the subwoofer may be reversed, allowing for the use of satellite loudspeakers having a non-standard phasing, or for multi-subwoofer installation, thereby avoiding possible phase cancellations.

The internal power amplifiers (MosFet, class AB) were designed around an innovative driver stage that guarantees the lowest possible distortion, while providing excellent dynamic and tonal performance.

The output stages are cooled by a forced air heat exchanger, equipped with a temperature-controlled, low-noise, variable-speed fan that ensures safe and cool operation under any operating conditions.

Providing top performance and absolute ease of operation, BX182A, BX152A, BX181A and BX151A are built to last show after show, year after year. As you've come to expect from all Montarbo products.





**BX182A**  
2300 W  
139 dB max SPL



**BX181A**  
1000 W  
132 dB max SPL

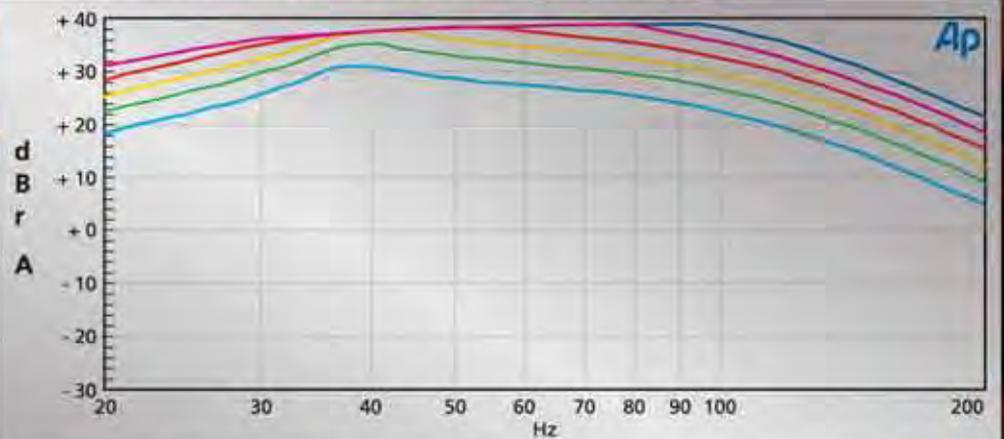


**BX151A**  
500 W  
127 dB max SPL



**BX152A**  
1200 W  
134 dB max SPL

Audio Precision A-A FAST RMS FREQUENCY RESPONSE



Sweep	Trace	Color	Line Style	Thick	Data	Axis	Comment
1	1	Cyan	Solid	1	DSP Anlr.LevelA	Left	-10dBV
2	1	Green	Solid	1	DSP Anlr.LevelA	Left	-6dBV
3	1	Yellow	Solid	1	DSP Anlr.LevelA	Left	-3dBV
4	1	Red	Solid	1	DSP Anlr.LevelA	Left	0dBV

A-A FREQ RESP FAST.at27

**BX182A**



2300 W (2 x 1150 W)

**BX152A**



1200 W

**BX181A**



1000 W

**BX151A**



500 W

SPECIFICATIONS	<b>BX182A - active bi-amplified</b>	<b>BX152A - active</b>	<b>BX181A - active</b>	<b>BX151A - active</b>
• Enclosure	Compact / bass reflex	Compact / bass reflex	Compact / bass reflex	Compact / bass reflex
• Frequency response	<b>30Hz ÷ 100Hz</b> (-3dB)	<b>34Hz ÷ 100Hz</b> (-3dB)	<b>32Hz ÷ 100Hz</b> (-3dB)	<b>36Hz ÷ 100Hz</b> (-3dB)
• Sensitivity	104 dB SPL @1W/1m (half space)	103 dB SPL @1W/1m (half space)	101 dB SPL @1W/1m (half space)	100 dB SPL @1W/1m (half space)
• Max SPL (half space)	<b>139 dB</b>	<b>134 dB</b>	<b>132 dB</b>	<b>127 dB</b>
• Components (custom)	<b>2 x 18"</b> neodymium magnet woofers (4" voice coil)	<b>2 x 15"</b> neodymium magnet woofers (4" voice coil)	<b>18"</b> neodymium magnet woofer (4" voice coil)	<b>15"</b> woofer (3" voice coil)
• Stereo electronic crossover	<b>100Hz, 24dB/oct Linkwitz-Riley</b>	<b>100Hz, 24dB/oct Linkwitz-Riley</b>	<b>100Hz, 24dB/oct Linkwitz-Riley</b>	<b>100Hz, 24dB/oct Linkwitz-Riley</b>
• Built-in power amplifier	2 (MOSFET class AB) Dynamic EQ Controller (D.E.Co.)	1 (MOSFET class AB) Dynamic EQ Controller (D.E.Co.)	1 (MOSFET class AB) Dynamic EQ Controller (D.E.Co.)	1 (MOSFET class AB) Dynamic EQ Controller (D.E.Co.)
• Max output power	<b>2300 W</b> (2 x 1150 W)	<b>1200 W</b>	<b>1000 W</b>	<b>500 W</b>
• Connections	2 balanced Neutrik Combo® inputs 2 balanced XLR outputs (Link) 2 unbalanced XLR outputs (X-over) 1 Neutrik PowerCon®	2 balanced Neutrik Combo® inputs 2 balanced XLR outputs (Link) 2 unbalanced XLR outputs (X-over)	2 balanced Neutrik Combo® inputs 2 balanced XLR outputs (Link) 2 unbalanced XLR outputs (X-over)	2 balanced Neutrik Combo® inputs 2 balanced XLR outputs (Link) 2 unbalanced XLR outputs (X-over)
• Construction	Birch multiply Antiscratch polyurethane paint Steel protection grid	Birch multiply Antiscratch polyurethane paint Steel protection grid	Birch multiply Antiscratch polyurethane paint Steel protection grid	Birch multiply Antiscratch polyurethane paint Steel protection grid
• Fittings	4 x 100mm castors Carrying handles	Carrying handles	Carrying handles Satellite mounting pole socket	Carrying handles Satellite mounting pole socket
• Dimensions (wxhxd)	<b>105 x 64 x 74 cm</b>	<b>94 x 57 x 49 cm</b>	<b>54 x 65 x 60 cm</b>	<b>50 x 58 x 47 cm</b>
• Weight	<b>85 Kg</b>	<b>63 Kg</b>	<b>45 Kg</b>	<b>38 kg</b>

www.montarbo.com

**Montarbo**

PROFESSIONAL SOUND SYSTEMS



made in Italy

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