

LABI1-SB18p

COMPACT PA SYSTEMS

Sub-top portable sound system



LABI1-SB18p



LABI1 Set

PRODUCT OVERVIEW

LABI1-SB18p is an 18" powered subwoofer, designed for fixed installations and portable applications. A stand alone compact subwoofer or combined with LABI1-C100i to create a complete powerful solution, easy to mount and plug and play.

It performs 2400W Class D built-in amplification power: 1 x 1200W for its low frequency woofer, and 2x600W amplifiers, able to power up to 4 x LABI1-C100i. It also features DC protection to avoid damage to the loudspeakers.

LABI1-SB18p also performs 18 factory presets - selectable through the LCD screen - allowing the user to choose different configurations, depending on the needs required and the desired performance of the system.

LABI1 series offers a modular solution to satisfy the most demanding fixed installations and mobile public address applications. Combining the different products of the series, it can fulfill any requirement.

KEY FEATURES

- 18” powered subwoofer with a compact design
- 2400W built-in Class D amplification power
- Low frequency amplifier: 1200W
- Speaker output amplifier: 2x600W@4Ω
- Frequency range (-10dB): 38Hz – 250Hz
- Max. SPL: 132dB
- 2 x input connectors: XLR3 balanced
- 2 x XLR stack output connectors: XLR3 balanced
- 2 x powered output connectors: Speakon®
- 18 factory presets
- User control interface with LCD
- Black finish available

APPLICATIONS

- Hospitality
- Leisure
- Sports & Wellness

ACCESSORIES & COMPATIBLE PRODUCTS

- LABI1-C100i
- LABI1-SAC: column to sub-woofer adapter
- LABI1-SWK: wheel kit
- LABI1-SPC: protection nylon cover



LABI1-SWK



LABI1-SPC

TECHNICAL SPECIFICATIONS

LABI1-SB18p

Drivers	18” subwoofer with 3” voice coil
Power	2400W Class D built-in amplification power with DC protection: Low freq: 1x1200W Speaker output (bal. load): 600W@4Ω + 600W@4Ω Speaker output (unbal. load): 800W@4Ω + 400W@8Ω
Power supply	Switching power supply and PFC system
Maximum SPL	132dB
Frequency response	42 Hz ~ 250 kHz (±3dB)
Frequency range	38 Hz ~ 250 kHz (-10dB)
Dispersion	Omnidirectional
Audio inputs	2 x XLR3 balanced
Audio outputs	2 x XLR3 balanced
Powered outputs	2 x Speakon®
Communication interfaces	LCD display and navigation keys USB-B: Only for configuration purposes
Processing	48 KHz / 56 bit double precision DSP 18 factory presets
IP rating	IP20
Material	15mm premium birch plywood with polyurea coating
Operating temperature	Min: 0°C ; 32°F Max: 35°C ; 95°F

Operating humidity	<85% HR
Storage temperature	Min: -10°C ; 14°F Max: 50°C ; 122°F
Storage humidity	<90% HR
Mains	AC 100-240V / 50-60Hz with PFC
AC connections	16A Neutrik® powerCON TRUE1 with looping output
Power consumption	600W (1/8 power)
Finished colour	Black (RAL 9005)
Accessories included	powerCON connectors, 250cm AC cable (EU plug) and 120cm Speakon®
Dimensions (WxHxD)	513 x 513 x 704 mm / 20.2 x 20.2 x 27.7 in.
Weight	39.1 kg / 86.2 lb

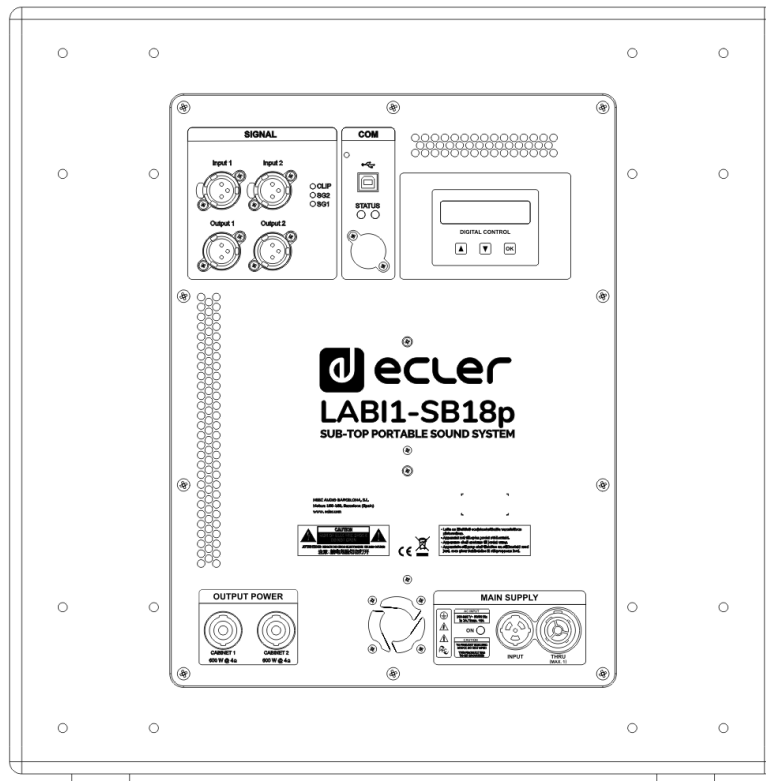
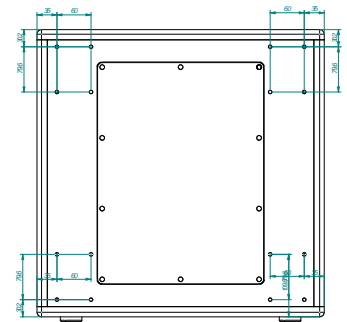
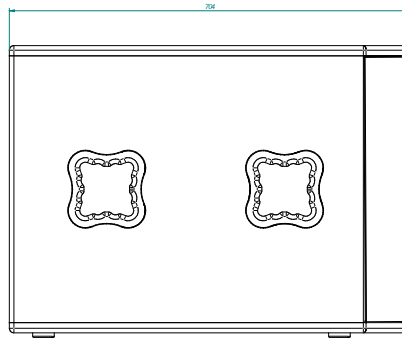
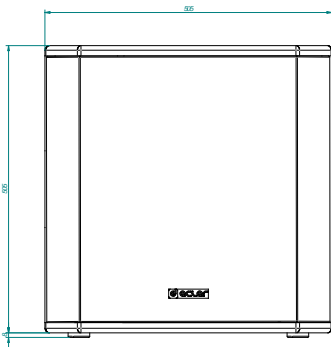
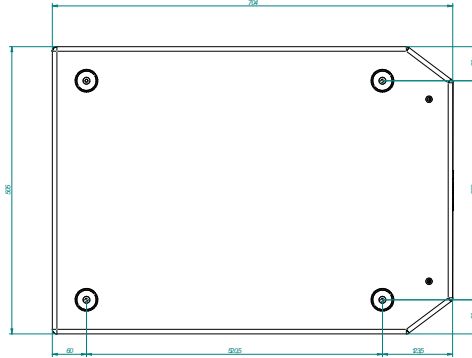
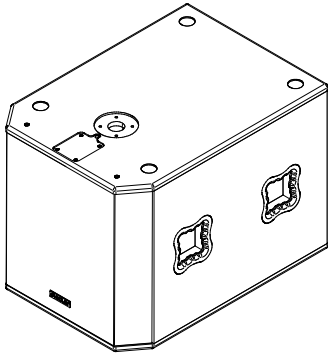
PRESETS CONFIGURATION

#	Name	Inputs	Outputs	Column speakers	DSP config.*
1	MONOi_1o_2cS	In1 - Mono	Out 1 - Mono	2 LABI1-C100i	S
2	MONOi_1o_2cB				B
3	MONOi_1o_2cV				V
4	MONOi_1o_1cS	In1 - Mono	Out 1 - Mono	1 LABI1-C100i	S
5	MONOi_1o_1cB				B
6	MONOi_1o_1cV				V
7	STi_2So_2cS	In1 / In2 - Stereo	Out 1 & 2 - Stereo	2 LABI1-C100i + 2 LABI1-C100i	S
8	STi_2So_2cB				B
9	STi_2So_2cV				V
10	STi_2So_1cS	In1 / In2 - Stereo	Out 1 & 2 - Stereo	1 LABI1-C100i + 1 LABI1-C100i	S
11	STi_2So_1cB				B
12	STi_2So_1cV				V
13	STi_1Mo_2cS	In1 / In2 - Stereo	Out 1 - In1+In2	2 LABI1-C100i	S
14	STi_1Mo_2cB				B
15	STi_1Mo_2cV				V
16	STi_1Mo_1cS	In1 / In2 - Stereo	Out 1 - In1+In2	1 LABI1-C100i	S
17	STi_1Mo_1cB				B
18	STi_1Mo_1cV				V

*DSP configuration:

- Standard equalization (S): general equalization for standard music applications.
- Bass boost (B): +3dB to the subwoofer output for music applications with bass reinforcement.
- Voice equalization (V): the equalization emphasizes the mid-high frequencies for speech applications, enhancing intelligibility.

MECHANICAL DIAGRAMS

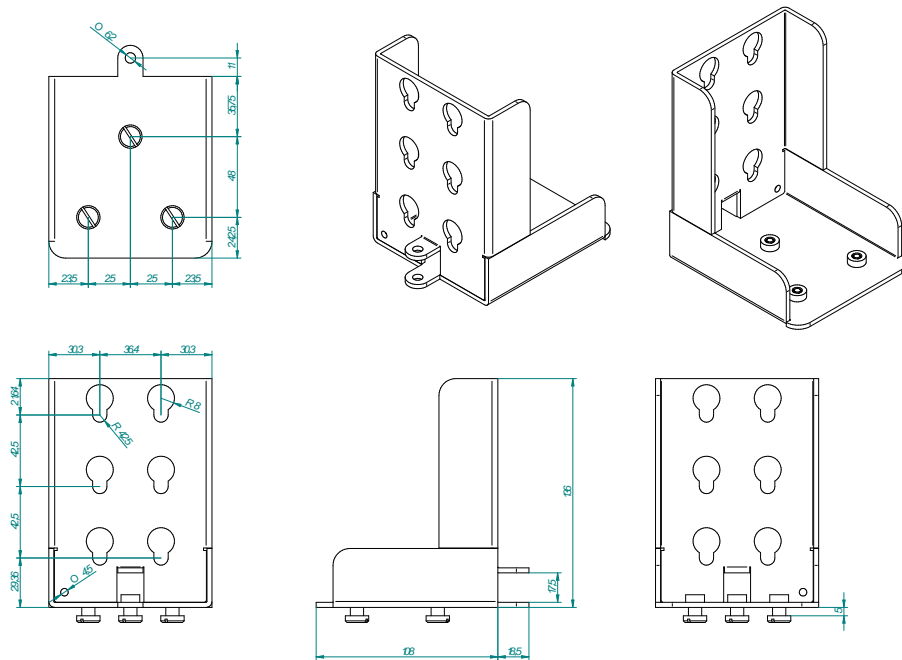
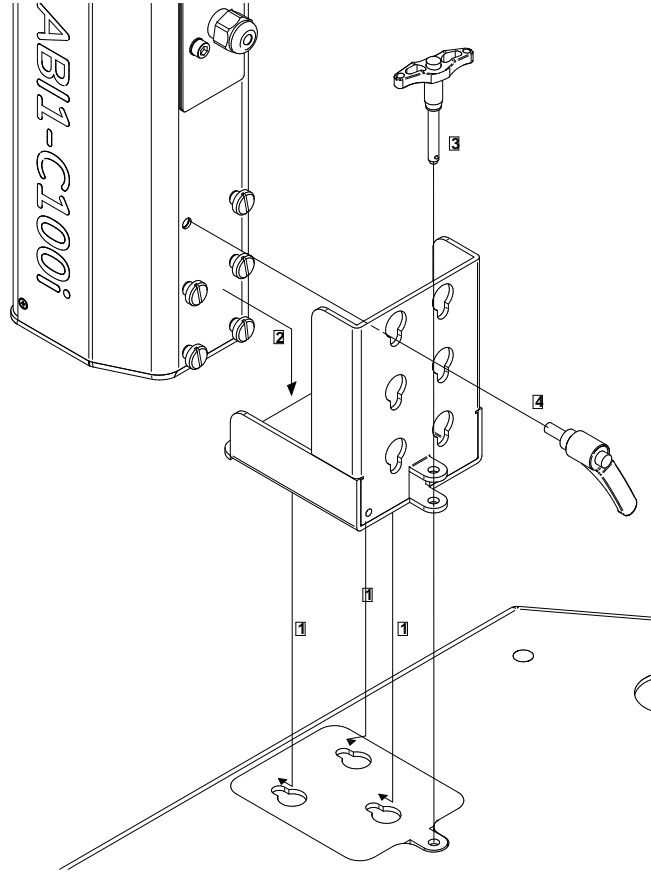


LABI1 SYSTEM

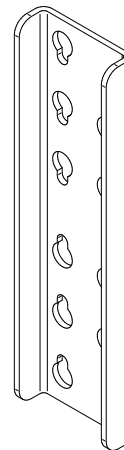
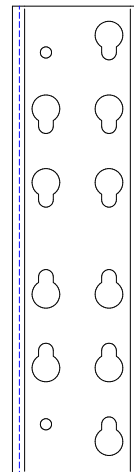
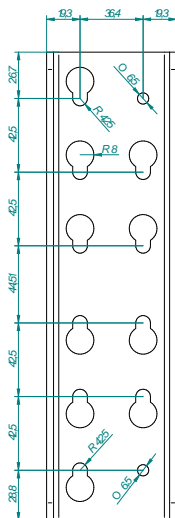
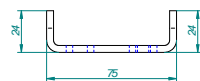
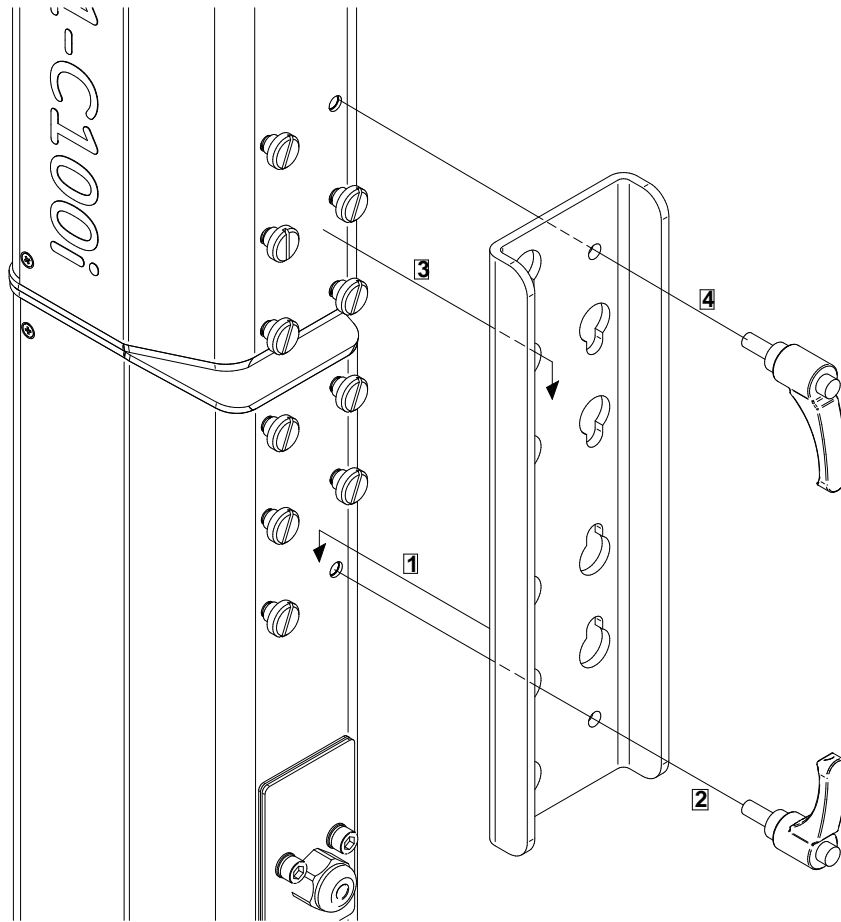


MOUNTING DIAGRAMS

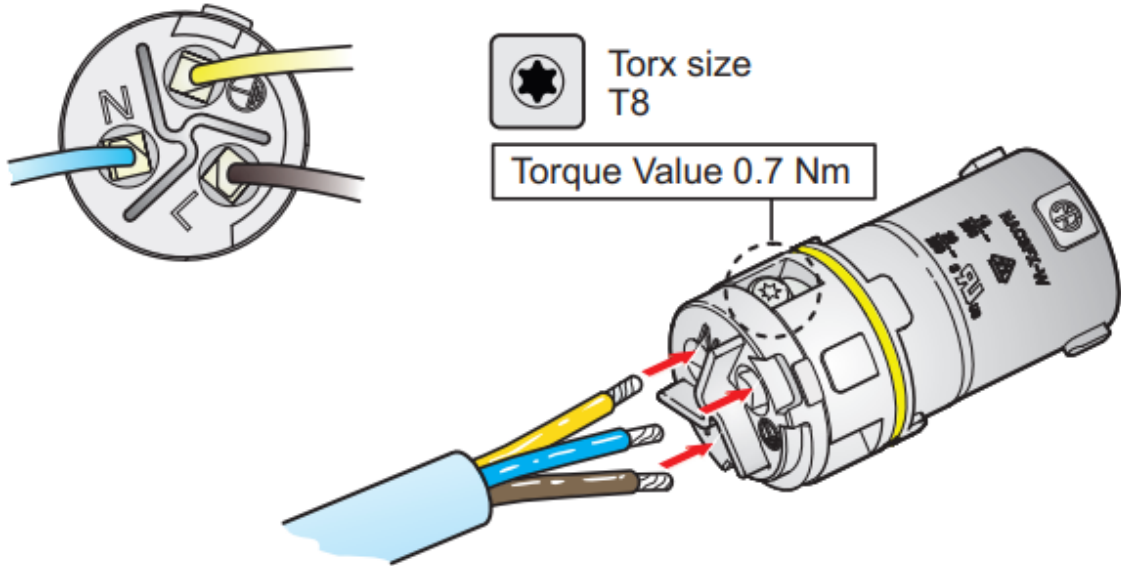
LABI1-SAC: column to sub-woofer adapter



LAB1-CAC: column to column adapter



POWER CONNECTION



Assembly instructions:

<file:///C:/Users/angel/Downloads/BDA%20378%20-%20powerCON%20TRUE1%20-%20NAC3FX-W.pdf>

Operating instructions:

<file:///C:/Users/angel/Downloads/bda-530---powercon-true1-power-in---operating-instruction-1.pdf>



All product characteristics are subject to variation due to production tolerances. **NEEC AUDIO BARCELONA S.L.** reserves the right to make changes or improvements in the design or manufacturing that may affect these product specifications.

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