

LAs15A

Ultra-Compact Active Reflex Subwoofer



- Ultra-Compact Active Subwoofer
- Fast, simple Integrated Rigging hardware
- PFC Switched Mode Power Supply
- 24bit/96kHz Digital Signal Processor
- Networkable DSP with Control Software

OVERVIEW

The LAs15A is the subwoofer model that completes the range of LA26 Line Array System. The subwoofer houses a long excursion B&C 15" driver powered by the DPA4000 (power module with DSP). This unit is capable of delivering up to 2000Wrms with a magnificent precision and punch at incredible SPL, combining optimized acoustic, electro-acoustic and electronic solutions to maximized efficiency.

The heart of the LAs15A, is a powerful, light weight, highly efficient Class D power amplifier module, with PFC switch mode power supply. The DPA4000 delivers an impressive sonic punch with perfectly balanced, rich and transparent, sound at any volume. The PC controlled DSP 24bit/96kHz with A/D-D/A low noise converters, provides 8 selectable Presets (7 factory defined and 1 User Defined) that can be accessed by an easy selector, located on the front module panel or real time edited with a PC, using "SOUNDWARE 4.0.1" software. This allows to easily customize the sound program, for various applications or different venues. With Soundware software is possible to edit the 7 pre-loaded Presets and store it on the user defined memory location. Editable parameters are: 10 PEQ/LSF/HSF, Sub Delay, Satellite Delay, System Delay, HPF, LPF, Level, Polarity, Mute.

LAs15A subwoofer is versatile enough to address any fixed installation or rental application. Sound Designers, Engineers or Integrators can choose from standard or cardioid configurations, creating a variety of symmetric and

asymmetric directivity patterns adapted to each specific solution. The LAs15A can be hanged with LA26 and is capable to power up to 3 LA26 cabinets, which becomes a perfect solutions for any indoor/outdoor venue.

TECHNICAL SPECIFICATIONS

| Technical Data | |
|---|---|
| Speaker Type: | Ultra-Compact Active Reflex Subwoofer |
| Acoustical Data | |
| Frequency Response (-6dB): | 44Hz - X-over |
| Low Frequency Extension (-10dB): | 38Hz |
| Calculated Max. SPL (Cont/Peak): | 135dB/138dB (Half-space) |
| Drivers | |
| Low Frequency: | 1 x 15" (380mm)/4" (100mm) VC, High excursion B&C custom speaker |
| Electrical Data | |
| Connectors: | Signal: 2 x XLR ; Power: 2 x powerCON ; Control: 1 x USB + 2 RJ45 (RS485) ; Sat. Output: 1 x SpeakON NL4 (1+1-) |
| Amplifier Module | |
| Amplifier Technology: | 2 Channel - PFC switched mode class D with DSP |
| Subwoofer (internal) (RMS/Program/Peak): | 2000W/2820W/4000W |
| Subwoofer Output (external) (RMS/Program/Peak): | 2000W/2820W/4000W (4) |
| Cooling: | Convection / Internal Fan with Speed Controlled by Temperature |
| Controller: | PC controlled USB/Networkable DSP 24bit/96kHz |
| System Presets: | 7 Factory and 1 User, selectable via software or rear panel switch |
| PC Control: | Via RS485/USB and supplied software "SOUNDWARE 4" |
| DSP Adjustable Parameters: | 10 PEQ/LSF/HSF, Sub Delay, Satellite Delay, System Delay, HPF, LPF, Level, Polarity, Mute |
| AC Operating Voltage: | 100V - 240V 50/60Hz |
| Nominal Power Consumption: | 1150W (5A) |
| Mains Connector: | Powercon (Input and Output) |
| Enclosure | |
| Construction: | 15mm multi-laminate birch ply |
| Finish: | Semi-Matte Black Textured Coating |
| Protective grill: | Black Perforated Steel |
| Fittings: | 1 x M20 pole mount socket / 4-point adj. rigging system |
| Handles: | 1 on each side |
| Dimensions (WxHxD): | 499 x 475 x 580mm |
| Net Weight: | 45kg |