

LA5A-SUB

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Self-powered subwoofer



- Compact self-powered high output subwoofer
- Coda Audio 15" neodymium ultra low distortion woofer
- 1000 W (RMS) Class D amplifier
- Low power compression, superb sound quality
- Optical limiter for state-of-the-art protection
- Integrated rigging hardware for flown or ground stacked arrays
- System integration with LA5A line arrays

■ System components: DNC260, LA5A, PW418Av²

The LA5A-SUB is a compact self-powered high output subwoofer incorporating a 1000 W high efficiency class D amplifier. The integrated control electronics include an optical limiter, 24 dB phase-aligned crossovers, subsonic filter and EQ to provide a perfect match between amplifier and loudspeaker for optimum acoustic output and reliability. The use of a high efficiency class D amplifier, together with the

newly developed neodymium loudspeakers, ensures small size, low weight and superb sonic performance. Complimenting the LA5A full range line array system, the LA5A-SUB extends the system response down to 38 Hz. An excellent transient response produces fast high impact bass that is able to reproduce detailed and accurate low frequency information.

The LA5A-SUB is equipped with a 15" neodymium ultra low distortion woofer in a ported cabinet and provides the same rigging system as the LA5A for easy flying or ground stacking in various combinations. Primarily designed for system integration into LA5A line arrays, the LA5A-SUB is also suited as a general use subwoofer giving audio companies a flexible, plug and play system for a wide range of applications from the smallest venue up to full concert-system sound formats.

Applications include arenas, convention centers, houses of worship, theatres, music pavilions and auditoriums.

TECHNICAL SPECIFICATIONS LA5A-SUB

Type:	Self-powered subwoofer
Application:	LA5A sub extension
Frequency response:	38Hz to 125Hz or 160Hz (switchable)
Maximum output long term:	127dB
Maximum output peak:	133dB
Amplifier:	Class D
Power output (RMS):	1000W / 40hm
THD + N:	< 0.04% at 1000W, 100Hz, 40hm
Components:	15" neodymium ultra low distortion woofer 4Ω, 4" (101.6mm) voice coil, 1000W (AES)
Crossover:	30Hz 18dB/O high pass, 125/160Hz 24dB/O low pass
Input:	balanced
Connectors:	1x female XLR/TRS jack; 1x male XLR loop; 1x male XLR top 24dB/O high pass output @ 125/160Hz (pin2+ ;3-;1gnd)
Impedance:	10kΩ
Input sensitivity:	0.775V (RMS)
AC connector:	2x Neutrik™ PowerCon (in/out)
AC power requirements:	2000W peak, 1000W continuous (max)
LED indicators:	Power on, signal, 0dB, LF limit, overload
Controls:	Gain -12dB to 0dB x/o frequency 125Hz or 160Hz Input phase switch
Rigging hardware:	Integrated
Enclosure material:	18mm birch plywood
Finish:	Black textured paint
Dimensions (WxHxD):	502x455x600mm
Net weight:	38kg

ACCESSORIES

FR5	Frame for LA5A-SUB
Cab5-SUB	System loop cable powercon + signal for LA5A-SUB
Cab5 main	System cable powercon + signal for LA5A / LA5A-SUB, 5 m
Pin5	Pin for LA5A-SUB

RIGGING POSSIBILITIES LA5 + LA5-SUB

