

D-LITE[®] 2000



Compact High Performance
Satellite System

 **DYNACORD[®]**

ENGLISH

The system explained

The **D-LITE 2000** system has been specially designed to meet the various needs of solo entertainers, mobile DJs and small bands. Easy handling —thanks to the ultra-compact and lightweight construction of the enclosures — and powerful, transparent sound with loads of headroom combine to raise the D-LITE 2000 to the pinnacle of excellence among professional satellite systems.

The basic D-LITE 2000 system, comprising a PowerSub 315 and two D 12 full-range satellites, is designed to be easily expandable, so you can't go wrong when it's time to buy in more power. Up to four satellites (two per side) and two additional passive subwoofers can be driven efficiently and easily by the mighty PowerSub 315.



D-LITE 2000 (# 113 034) consists of:
1 x PowerSub 315 (# 113 027)
2 x D 12 Fullrange (# 113 030)
2 x PSS 408 Cables (# 112 678)



The **D-LITE 2000** system is also the ideal solution for fixed installation in a wide variety of catering establishments such as restaurants, cafes, bars and pubs as well as in schools. A wide assortment of installation hardware is available for positioning the satellites, including mounting frames, wall brackets and trussing gear.

PowerSub 315

The heart of the D-LITE 2000 system is the **PowerSub 315** active subwoofer. Weighing only 42kg, it accommodates all the electronics including the analogue audio processors, the crossover and four digital power blocks with a total output of 2000W. 1000W are reserved for the integrated Electro-Voice DVX 3150 15" high-performance woofer leaving 2 x 500W for the satellites. The SUB level is continuously variable and any of three different SUB/TOP crossover frequencies ranging from 80 to 160Hz can be selected.

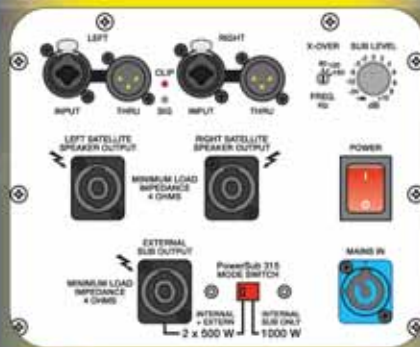
High-Speed-Laminar-Vent Design



By optimizing the air flow, the '**High-Speed-Laminar-Vent**' design (patent pending) generates extremely high sound pressure levels in the sub bass region, which reaches all the way down to 32 Hz. The result is dry and powerful reproduction of the fundamentals of the lowest notes of the keyboard or bass guitar.



- Active 2-way Class D amplification
- 1000W SUB + 2 x 500W TOPs
- Switchable crossover frequencies
- High-Speed-Laminar Vent design
- DVX 3150 15" high-performance woofer
- Output for external subwoofer
- Voice-Coil-Tracking-Protection



Electronically balanced inputs on XLR/jack combi sockets, THRU sockets in each channel

Signal and Peak Display for simple level control

Speakon Connectors for connecting the satellites. **Power Switch** and lockable **PowerCon** power connector

PowerSub MODE SWITCH
 > 1000W = only internal Sub
 < 2 x 500W = 500W internal
 + 500W external Subwoofers

Speakon Connector for an external passive subwoofer
Crossover Frequency Selector and **Subwoofer Level Control**

Generously dimensioned, professional **Castors** fitted as standard

Handles on each side
M20 integral stand adaptor for SUB-TOP speaker pole

Sub 115

The **Sub 115** passive subwoofer has the same styling and footprint as the PowerSub 315 and reinforces the D-LITE 2000 system magnificently in the sub bass region. Boasting an EVS 15 S with high power handling in a bass-reflex enclosure employing HSLV (patent pending) technology, the Sub 115 delivers maximum SPLs of 131dB over a range of 32Hz-160Hz. For conventional use with full-range tops such as the D 12 (e.g. with a PowerMate), the Sub 115 is equipped with a passive crossover. The integrated Voice-Coil-Tracking-Protection — the personal bodyguard of the loudspeaker — maximizes the dynamic range without compromising operational reliability. The Sub 115 is connected using Speakon sockets wired 1+/1-. A Thru socket is provided for connecting additional enclosures.



400W power handling, 1600W peak

High-Speed-Laminar-Vent design

Integrated low-pass crossover

EVS 15 S 15" high-performance woofer

Voice-Coil-Tracking Protection

Accessories



Art. # 113 046
SH-D12 Dust-cover for D 12

Art. # 113 047
SH-315 Cover for
PowerSub 315 and Sub 115

Art. # 112 461
PCL 880 SUB-TOP
speaker pole 880mm



Art. # 113 044
PCL 1500 Telescopic
SUB-TOP speaker pole
1500mm



Art. # 113 045
BS-50 Speaker stand for up to 50 kg



Art. # 113 040
F212 Monitor feet for D 12

D 12

Weighing a mere 16kg, the **D 12** full-range satellite with its polypropylene enclosure has an extremely linear frequency response and is notable for its powerful, natural reproduction of the voice and transparent resolution across the entire frequency range from 70Hz to 18kHz. The high-performance, 12" DL 12 BFH woofer transduces the low midrange up to 1.5kHz, whilst an ND-2 neodymium driver with a large format, 80° x 40° Constant Q horn covers the HF range. The Voice-Coil-Tracking-Protection system ensures the distortion-free reproduction of peaks as high as 129dB/1m, whilst power levels up to 1200W can be reproduced safely and without any problems.



The electrical connection is via recessed SPEAKON connectors wired Pin 1+/1-. A THRU socket is available for the connection of additional cabinets. The enclosures are easy to carry thanks to their ergonomically designed handles and the integral stand adaptor allows the speakers to be mounted easily on tripods or speaker poles. Intelligently placed M8 threaded receptacles and a large assortment of TÜV-approved installation hardware allow the satellites to be mounted on walls, suspended from ceilings or flown from trusses.



The fully-electronic **Voice-Coil-Tracking-Protection** system continuously monitors the power being fed to the speaker, compares it with the operating state of the voice coil and reduces briefly the power delivered

to the speaker in the event of thermal overload. Having no need of limiters, which are invariably over-dimensioned (to be on the safe side) and intervene too readily, cabinets protected by VCTP circuitry, such as the D 12, PowerSub 315 and Sub 115, can cover a considerably greater dynamic range and handle higher peak SPLs without their operational reliability being compromised.

- Lightweight (16 kg) high-power full-range cabinet
- 300W power handling, 1200W peak
- Trapezoidal polypropylene enclosure
- 80° x 40° large-format Constant Q horn
- Neodymium ND-2 HF driver
- Voice-Coil-Tracking Protection

D 12 (#113 030)

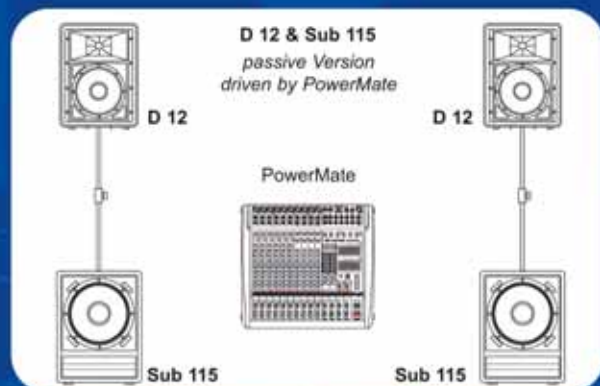
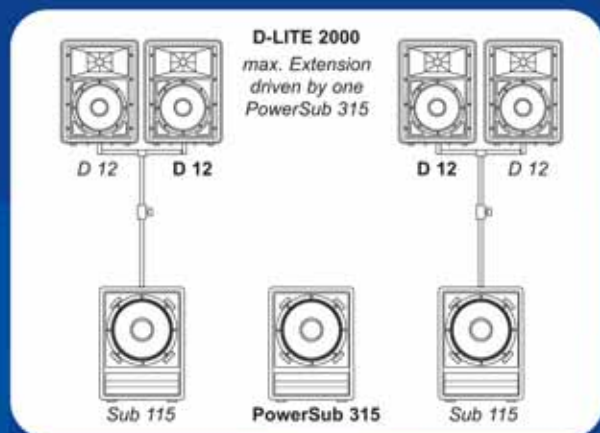
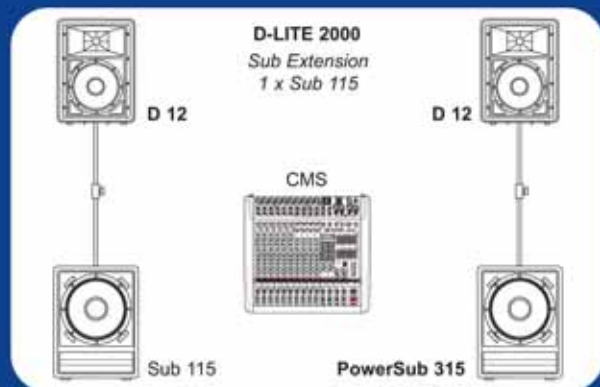
Power Handling	
Continuous / Peak	300 W / 1200 W
Impedance	8 Ohms
SPL 1W/1m	98 dB
Max. SPL 1m (calculated)	129 dB
Frequency Range (-10dB)	70 Hz - 18 Hz
Coverage H x V	80° x 40°
LF Transducer	DL 12 BFH
HF Transducer	ND2 (1" Exit)
Dimensions W x H x D	429,5 x 586 x 320,5 mm
Weight	16 kg

PowerSub 315 (#113 027)

Amplifier Power Sub	1000 W / 8 Ohms (switchable to 2 x 500 W / 4 Ohms)
Amplifier Power MID-HIGH	2 x 500 W / 4 Ohms
SPL 1W/1m	99 dB
Max. SPL 1m (calculated)	129 dB
Sub Transducer	DYX 3150
Switchable X-Over Frequencies	80 Hz, 100 Hz, 160 Hz
Dimensions W x H x D	464 x 601 x 660 mm
Weight	42 kg

Sub 115 (#113 029)

Power Handling	
Continuous / Peak	400 W / 1600 W
Impedance	8 Ohms
SPL 1W/1m	99 dB
Max. SPL 1m (calculated)	131 dB
Frequency Range (-10dB)	55 Hz - 320 Hz
(driven by PowerSub 315)	32 Hz - 160 Hz
Sub Transducer	EVS15 S
Dimensions WxHxD	464 x 601 x 660 mm
Weight	35 kg
Warranty (all cabinets)	36 months



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