

D-LITE SERIES



LIVE



DJ



VOCALS



 **DYNACORD®**

ENGLISH



D-LITE Series

The D-LITE series full-range speakers are extremely light yet mechanically durable polypropylene cabinets for portable sound reinforcement applications in small to medium-sized venues. The wide range of mounting accessories available for the enclosures and their tasteful styling permit them to be used in critical fixed installations.

Made of polypropylene, the enclosures are capable of withstanding the roughest handling during transport and use. The baffles are integrated with Constant Directivity HF horns, optimized by state of the art Computer Aided Design. The full baffle is protected with a robust, powder-coated, steel grille, finished with attractive, black acoustic foam.

Both Speakon sockets in the connection panels are recessed to allow uninhibited operation in cramped locations. Beveling the sides of the enclosure allows them to be used without problems in monitor applications when more bass extension is required than provided by typical monitor loudspeakers.

Comfortable handles, integrated stand adapters, and a wide range of flying and mounting accessories facilitate the transport and set up of the enclosures as well as allowing them to be properly positioned and aimed.

All loudspeakers of the D-LITE series are afforded precise and reliable protection against thermal overload by DYNACORD's fully electronic Voice-Coil Tracking Protection system. This allows them to be driven by very powerful amplifiers, achieving the widest possible dynamic range.

By optimizing the internal network topology for smooth dispersion and greater throw, the D-Lite series cabinets outperform in acoustically unfavorable conditions.

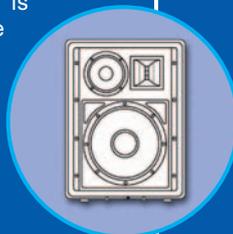


D 15-3

The D 15-3 sets new standards for professional polypropylene enclosures, reconciling the highest possible sound pressure levels, maximum power handling and linear frequency response with modest dimensions and extreme lightness.

Equipped with a DYNACORD DND 15400 neodymium loudspeaker capable of high power handling, the D 15-3 convinces with powerful, natural voice reproduction and impressive sub bass. An extremely low-distortion DYNACORD DND 6120-neodymium loudspeaker is used for the mid-range, whose conical 120° dispersion guarantees uncolored reproduction of vocals free from alignment problems. The integration of the Constant Directivity horn into the baffle is CAD-optimized, and has a nominal dispersion angle of 90° x 50° allowing the EV DH-3 HF driver to provide transparent reproduction.

In addition to its use as a pure full-range speaker, in which role it delivers excellent results, no additional amplifier is required for the direct parallel connection of a suitable passive subwoofer with an integrated low-pass filter, such as the Sub 118. Extensive D-Lite series full-range and subwoofer system combinations can be optimally driven by many complimentary Dynacord power amplifiers, including the PowerMate II, Compact Linear, and Switch Mode Precision ranges.





D 12-3

DYNACORD's historically popular 12" / 3-way concept makes a dramatic performance improvement with the introduction of the D 12-3. Voluminous bass, uncolored, extremely low-distortion vocal reproduction and un-weighted high frequency response combine for transparent resolution throughout the entire frequency range, making this lightweight, full-range satellite stand head and shoulders above a multitude of synthetic made enclosures.

The frequency range below 700 Hz is reproduced by an EV DL 12 BFH, respected for its high power handling capability and longevity. As is the case with the D 15-3, the midrange is handled by an extremely low-distortion DYNACORD DND 6120 neodymium MF driver, while a DH-3 coupled to a 90° x 50° constant-directivity HF horn transparently reproduces the range above 4kHz. Acoustically unfavorable venues require no exaggerated precision aiming of the enclosures, thanks to the extremely broad (>120°) conical dispersion pattern in the midrange.

For the D 12-3, whether operating as a full-range speaker or linked to passive subwoofers with integrated low-pass filters (such as the Sub 115 or Sub 118), the ideal drivers are the PowerMates 1000-2 / 1600-2 or professional power amplifiers of the Compact Linear series.



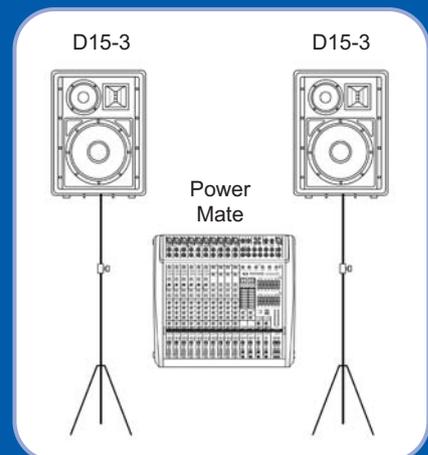
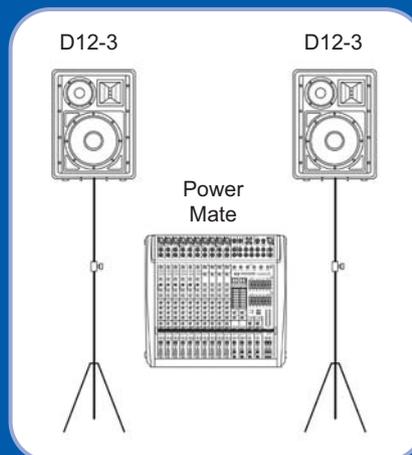
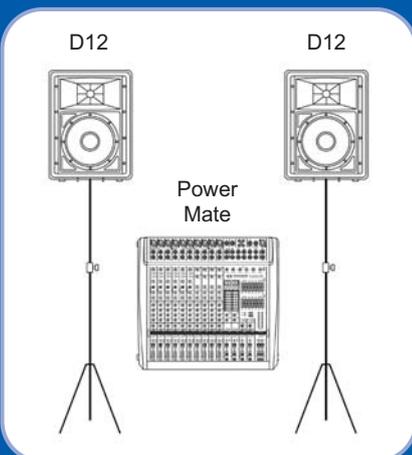
D 12 D12T

Weighing a mere 16 kg, the D 12 2-way, full-range cabinet's polypropylene enclosure has an extremely linear frequency response and is noted for powerful, natural reproduction of the voice as well as transparent resolution throughout the entire frequency range. Its elegant styling and tasteful black and white finishes make it suitable for a very wide range of small to medium-sized events as well as critical, fixed installations.

The high-performance 12" DL 12 BFH reproduces the low frequency range to 1.5kHz, while an EV ND-2 neodymium driver is coupled to a large-format 80° x 40° constant Q horn in the high-frequency range, the integration into the baffle of which is CAD-optimized. D-LITE cabinets can generate extremely high, distortion-free peak sound levels, thanks to the fully electronic Voice Coil Tracking Protection with halogen protectors. This allows the enclosures to be driven by professional power amplifiers whose rated outputs are equal to the peak values of the enclosures they are driving, without the reliability of either being compromised.

When used in active satellite systems, such as the active 3-channel PowerSub 315 from DYNACORD, the D 12 or D 12-3 cabinets are simply connected to the Left and Right Satellite Outputs of the PowerSub 315. The use of Compact Linear series power amplifiers or the PowerMate 2 can be recommended for both solo full-range operation and use in combination with passive subwoofers.

The D 12 T is designed with an ultra-low distortion toroidal core transformer for 100V audio networks. Like the D 12, the D 12 T is available in both black (D12T # D113048) and white (D12TW # D113093) finishes.





Sub 115 / Sub 118

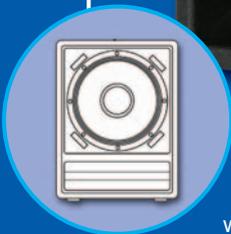
The Sub 115 is a vented, direct-radiating enclosure with an Electro-Voice EVS 15S woofer, which offers high power handling.



As a reflex system, the newly developed and patented High-Speed Laminar Vent (HSLV) is used. Compared to conventional bass reflex vents, airflow loss and noise are considerably reduced by HSLV technology. High sound pressure levels can be generated at low frequencies with considerably less distortion than conventional bass-reflex designs.

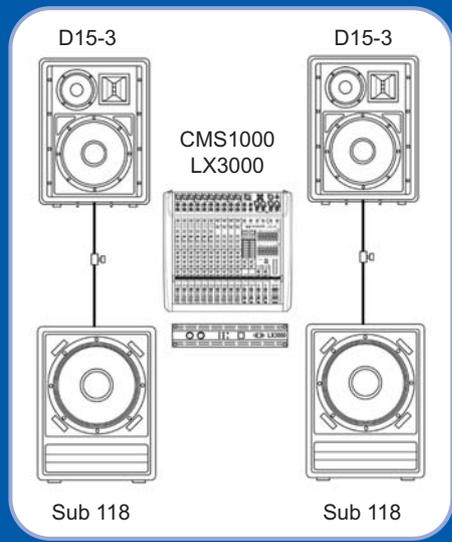
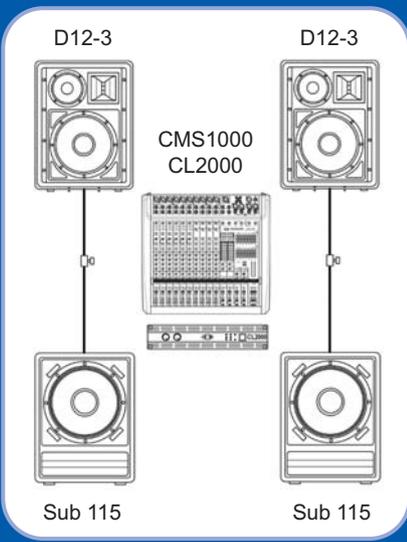
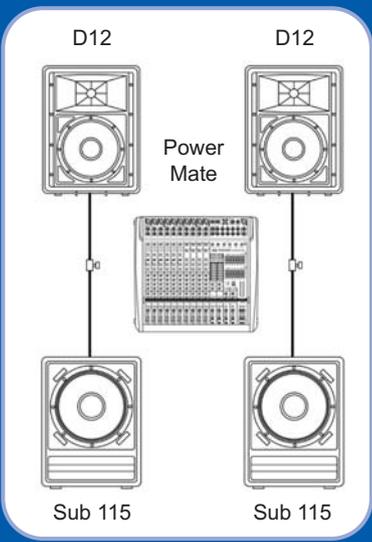
Like all the loudspeakers of the D-LITE series, the subwoofers, too, are reliably protected against thermal overload by the fully electronic Voice Coil Tracking Protection system with halogen protectors. Extremely powerful amplifiers can therefore be used to achieve the widest possible dynamic range without thermal overloading of the voice coils. Instead of a disruptive shutdown, such as those produced by conventional safety circuits, VCTP implements a gentler reduction of power to safe limits whenever an overload occurs.

For universal use in combination with full-range tops, such as the D 12, D 12-3 or D 15-3, the Sub 115 and Sub 118 are equipped with low-pass filters to allow simple and unproblematic connection in parallel with the tops. The Sub 115 has the same styling and footprint as the active 3-channel PowerSub 315 and is therefore the ideal choice to provide powerful reinforcement of the bass region in active systems.



Like the Sub 115, the Sub 118 is designed as a direct-radiating, vented subwoofer, with a High-Speed Laminar Vent. Offering extremely high power handling (700W RMS and 2800W peak power), the DYNACORD LFS 18700 low frequency driver generates a powerful and distortion-free bass foundation that reaches all the way down to 30Hz, generating sound pressure levels as high as 132dB.

The enclosure of both subwoofers is made from birch multiplex with a durable dual-component coating. The upper bowl handle contains an integrated M 20 screw to accommodate a mounting pole. Suitably equipped full-range cabinets can therefore be mounted directly above the subwoofers with a consequent saving of space. The enclosures are equipped with eight feet (with large footprints), four robust casters on the back, and ergonomically designed bowl handles to ensure easy transportation and safe set-up.





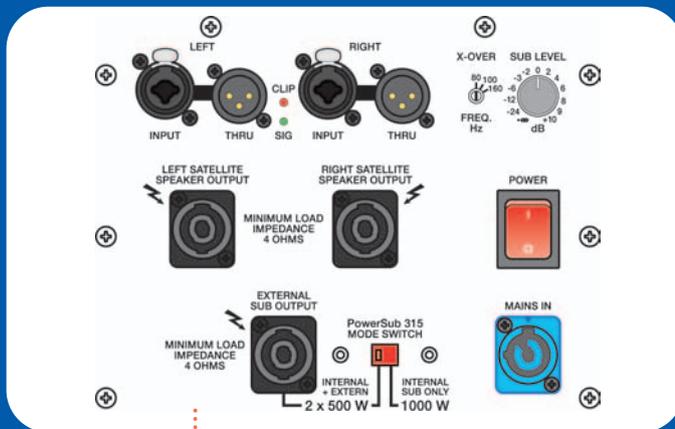
PowerSub 315

The 'heart' of the D-LITE 2000 system is the PowerSub 315, active vented subwoofer with High-Speed Laminar Vent. Weighing in at a mere 42 kg, the PowerSub 315 accommodates electronics including audio processors, stereo crossover and four, Class-D power amplifier blocks, totaling 2000W of output power.

Two bridged blocks provide the integrated 15" DYNACORD LFS 1008 subwoofer with a total of 1000W / 8 ohms and 2 x 500W / 4 ohms are made available to the connected satellites. The sub-woofer level is continuously adjustable and three different sub/satellite crossover frequencies ranging from 80Hz to 160Hz are user-selectable.

To provide particularly powerful reinforcement of the low frequency range, two passive (e.g. DYNACORD Sub 115) subwoofers can be driven by the PowerSub 315. In this mode, the integrated sub amplifiers switch from 1 x 1000W / 8 ohms to 2 x 500W / 4 ohms. In a fully expanded system, the PowerSub 315 can drive a total of four 8-ohm satellites and an additional two, passive 8-ohm subwoofers without any difficulty.

Packed in an extremely robust but compact birch multiplex enclosure with casters included in the delivery, the PowerSub 315 offers easy transport and safe handling. An M20 screwed flange is integrated into the upper bowl handle to accommodate a mounting pole.



Active 2-way Class D amplification

1000W SUB + 2 x 500W TOPs

Switchable crossover frequencies

High-Speed-Laminar Vent design

LFS 1008 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 **Power Con** power connector

PowerSub MODE SWITCH
position right: 1000W = only internal Sub
position left: 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

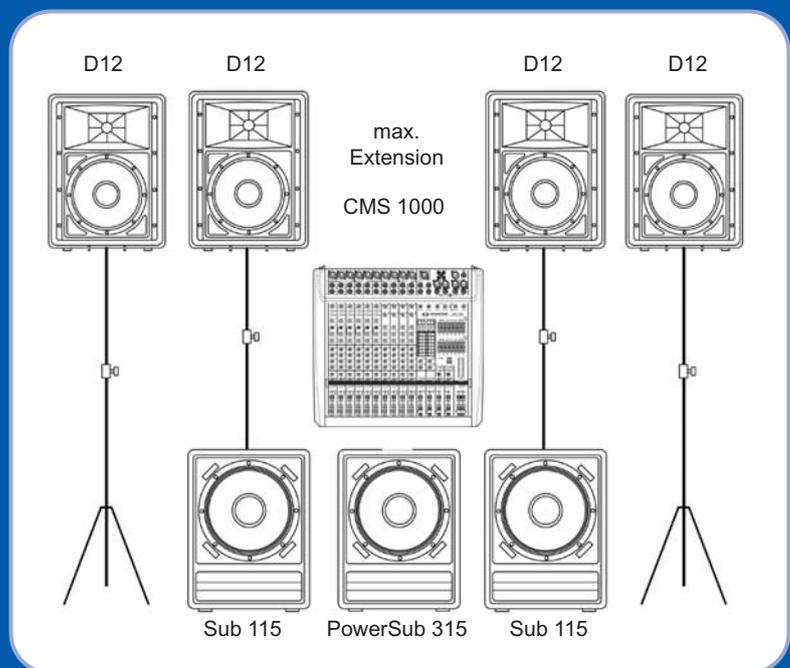
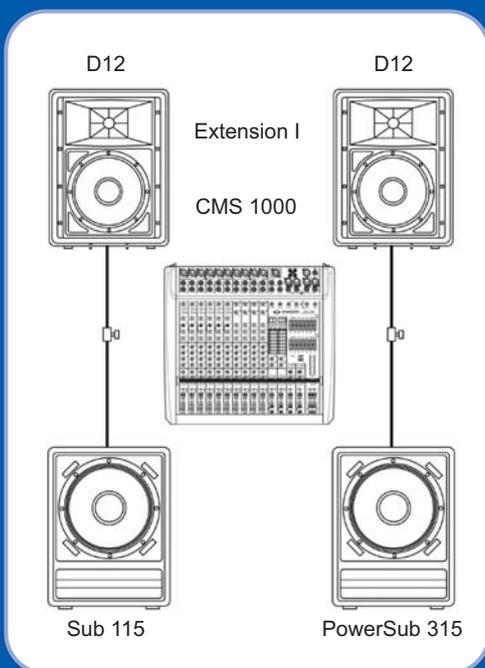


D-LITE 2000 System

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 light-weight 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. The mighty PowerSub 315 can drive up to four satellites (two per side) and two additional passive subwoofers efficiently and easily.

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 schools. A wide assortment of installation hardware is available for positioning the satellites, including mounting frames, wall brackets and trussing gear.





Accessories



SH Dust-cover
for all types



FB-D15



PCL 1500
Telescopic
SUB-TOP s
peaker pole 1500mm



RMA
Rotor



BS-50
Speaker
stand for up
to 50 kg



MB 500 UMH



MB 200 UMH
MB 500 UMH

PCL 880 SUB/TOP speaker pole 880mm

TMA

Accessories TOP	D 12	D 12W	D 12-3	D 15-3
Color	black	white	black	black
Dust Cover (SH ...)	SH-D12 D113097	SH-D12 D113097	SH-D15 D113097	
F 212 - Monitor Feet	D113040	D113040		
MB 212 - U-Mounting Bracket	D113042	D113095	D113042	
MB 312 - Horiz. Cluster Plate	D113043	D113096	D113043	
MB 112 - Eyebolt-Set M 8 **	D113041	D113041		
** MB 112 must only be used together with MB 212 due to safety reasons !				
FB-D15 - Flying Bracket				D113100
TC-TV (Truss > TV-Spigot)				D112941
PM-TV (PoleMount > TV-Spigot)				D112942
MB 200 UMH - U-Bracket	D170183	D170183		
MB 500 UMH - U-Bracket				D113099
TMA - Tilt angle for UMH	D112815	D112815	D112815	
RMA - Rotatable Kit for UMH	D112807	D112807	D112807	
TC-02 - Truss clamp for UMH	D112808	D112808	D112808	
Speaker Stand max.50 kg	BS-50 D113045	BS-50 D113045	BS-50 D113045	

Accessories SUB		Sub 115	Sub 118
Dust Cover (SH ...)		SH-315 D113047	SH-118 D113098
Pole Mount fix 880mm	PCL 880	D112641	D112461
Pole Mount adjustable	PCL 1500	D113044	D113044



TC-02
Trussclamp



MB 112
Eyebolts



F212
F212 Monitor
feet for D 12



Specifications

TYPE / NAME	D 12	D 12W	D 12-3	D 15-3	Sub 115	Sub 118
Color	black	white	black	black	black	black
Order No.	D113030	D113094	D113083	D113084	D113029	D113085
Cabinet	Full-Range		Full-Range	Full-Range	Subwoofer	Subwoofer
Configuration	Passive 2-Way		Passive 3-Way	Passive 3-Way	Built-In Hi-Cut Filter	Built-In Hi-Cut Filter
Nominal Impedance	8 ohms		8 ohms	8 ohms	8 ohms	8 ohms
Rated power RMS	300 W		350 W	500 W	400 W	700 W
Program power	600 W		700 W	1000 W	800 W	1400 W
Peak power	1200 W		1400 W	2000 W	1600 W	2800 W
SPL 2,83V / 1m (1W/8 ohms)	98 dB		100 dB	100 dB	99 dB	98 dB
Max. SPL 1m (calc. with peak)	129 dB		131 dB	133 dB	131 dB	132 dB
Frequency range (-10dB)	70Hz - 18kHz		70 Hz - 18 kHz	50Hz - 18kHz	55Hz - 320Hz	30Hz - 300Hz
Nominal Coverage angle	80° x 40°		-----	-----	-----	-----
Coverage angle 10kHz -6dB	-----		90° x 50°	90° x 50°	-----	-----
Coverage angle 1kHz -6dB	-----		120° Conical	120° Conical	-----	-----
Passive crossover frequency	1,5kHz		700Hz / 4kHz	700Hz / 4kHz	124Hz	124Hz
Active crossover frequency	-----		-----	-----	124Hz	124Hz
Voice coil tracking protection	yes		yes	yes	yes	yes
Component High	ND2 S-8		DH-3	DH-3	-----	-----
Component Mid	-----		DND 6120	DND 6120	-----	-----
Component Low	DL 12 BFH		DL 12 BFH	DND 15400	-----	-----
Component Sub	-----		-----	-----	EVS 15S	LFS 18700
Connectors	1+/1-		1+ / 1-	1+ / 1-	1+ / 1-	1+ / 1-
Wired through	2+ / 2-		2+ / 2-	2+ / 2-	2+ / 2-	2+ / 2-
Connector model Speakon	2x NL4 MPR		2x NL4 MPR	2x NL4 MPR	2x NL4 MPR	2x NL4 MPR
Dimensions (WxHxD) mm	429,5 x586 x320,5		429,5 x586 x320,5	446,4 x685,2 x413	464 x 601 x 660	546,3 x723,3 x663
Shipping weight	17 kg		20 kg	26 kg	37 kg	53 kg
Net weight	16 kg		19 kg	24 kg	34 kg	50 kg
Enclosure material	Polypropylene		Polypropylene	Polypropylen	Birch plywood	Birch plywood
Finish	black	white	black	black	2-Comp. Paint	2-Comp. Paint
Grille, Steel	powder coated		powder coated	powder coated	powder coated	powder coated
Front b/w	Acoustic Foam		Acoustic Foam	Acoustic Foam	Acoustic Foam	Acoustic Foam
Handles	1		1	1	2	4
Castors	-----		-----	-----	4	4
Warranty	36 month		36 month	36 month	36 month	36 month

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