



CORUS

PRO

- CP 12-2
- CP 12-3
- CP 15-3
- CP 12-1 Sub
- CP 15-1 Sub
- CP 18-1 Sub
- M 12
- AM 12
- Sub 800 A



DYNACORD®

english



The **CORUS-PRO** Line is the consequent continuation of the CORUS-Line loudspeaker series. Specially optimized frequency crossovers and optimised protection circuitry result in superb sonic performance and reliability.

Additional components like the AM 12 active monitor system and the SUB 800 A active subwoofer complete the **CORUS-PRO** Line, allowing the trouble-free creation of active 2-way sound system installations.

The extremely mar-resistant lacquer-finished surfaces and robust powder-coated steel front-grilles of all **CORUS-PRO** components as well as the straight frontages and castors of the big woofer cabinets ensure ultimate transportability.

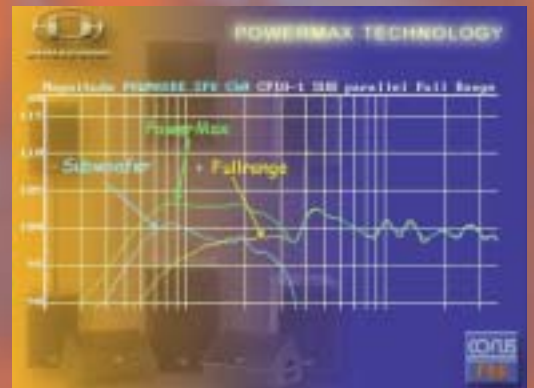
All **CORUS-PRO** Line full-range models are equipped with pole-mount adapters on the bottom while all woofer cabinets provide pole-mount threaded flanges for the insertion of top-part connection poles on the top. Electrical connection is established via the pins 1+/1- of two NL4 sockets (IN/OUT) connected in parallel.

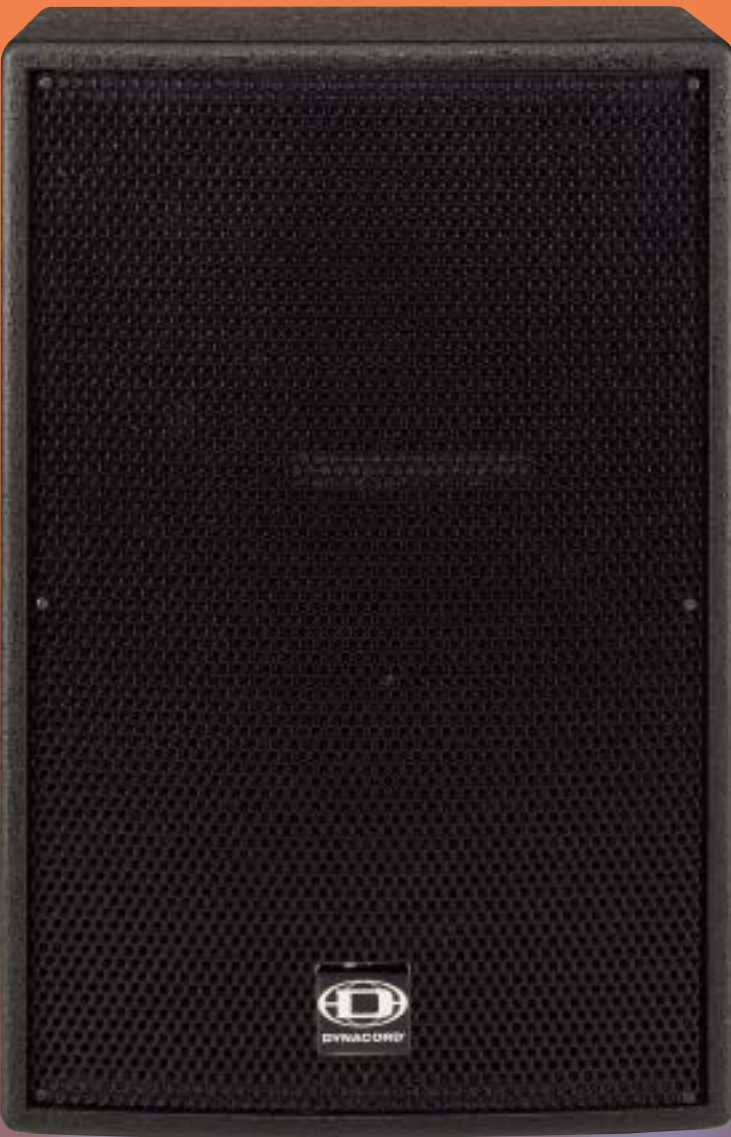


POWERMAX
equipped

All **CORUS-PRO** Line bass cabinets employ passive frequency x-overs that guarantee the optimized parallel operation with the full-range cabinets. The transition frequencies between fullrange and woofer cabinet are carried out in PowerMax technology, so that even smaller sound system installations provide exceptionally powerful bass-performance.

The diagram shows the individual frequency responses of a CP 18-1 with 100 Hz PowerMax crossover as well as the frequency response of the summed sonic signals.





CP 12-3

3-way fullrange and MID/HIGH speaker system, 200 W

The CP 12-3 is the ideal all-round enclosure. Equipped with a 12" DYNACORD woofer, two 4.5" Mid/High drivers in a CMD configuration (Columnar Midrange Design) and a constant directivity horn with a nominal angle of dispersion of 90° x 40°, the system is remarkable for its extraordinarily speech intelligibility and precise resolution in the critical midrange frequencies. The CMD design offers a wide angle of horizontal dispersion (160°).

The CP 12-3 can be operated directly in parallel with the CP 15-1 SUB or CP 18-1 SUB. The CP 18-1 SUB in particular provides an ideal complement for the creation of an active 2-way system when combined with a PowerMax 230 crossover and power amplifiers from the Standard or Linear Precision series.



Columnar Midrange Design

CP 12-2

2-way fullrange and MID/HIGH speaker system, 150 W

This extremely compact vented enclosure is equipped with a 12" DYNACORD woofer and a constant directivity horn with a 90° x 40° nominal angle of dispersion. It can be employed universally for the configuration of small stage systems. The asymmetrical footprint of this cabinet also allows for floor monitor applications where extended low frequency response is required.

Impressive results can be obtained by combining it with the 12" CP 12-1 SUB or 15" CP 15-1 SUB subwoofers, which can be operated in parallel without additional crossovers.



CP 15-3

3-way fullrange speaker system, 400 W

The "Fifteen-Three" — the classic among 3-way speaker systems. It is equipped with a 15" Electro-Voice DL 15Y LF driver, a 10" midrange driver and a driver + constant directivity horn with a nominal angle of dispersion of 90° x 40°. This combination ensures a powerful bass, excellent projection in the midrange and a precise uncolored treble.

Ideal partners for the configuration of active 2-way systems are the CP 15-1 SUB or CP 18-1 SUB subwoofers combined with the PowerMax 230 crossover and power amplifiers from the Standard or Linear Precision ranges.

CP 12-1 Sub

12" supplementary bass enclosure, 300 W

The vented LF enclosure is the ideal complement for the CP 12-2, CP 12-3 and other small satellites when additional power is needed for the reproduction of low frequencies.

It is equipped with a 12" LFT 6008 woofer and a passive crossover (12 dB low-pass / 100 Hz) using PowerMax technology and can therefore be operated directly in parallel to the CP 12-2 F-speaker system. On account of its modest dimensions and high power handling (300 W), it combines impressive low frequency reproduction with ultra-compactness.

CP 15-1 Sub

15" direct-radiating sub-woofer, vented, 400 W

The CP 15-1 is equipped with a 15" Electro-Voice DL 15Y woofer capable of high power handling and is the ideal complement to the CP 12-3 or CP 15-3 speaker systems in passive operation.

The integrated passive crossover (12 dB low-pass / 100 Hz) using PowerMax technology in combination with the named full-range cabinet results in powerful and precise live bass reproduction.

CP 18-1 Sub

18" direct radiating sub-woofer, bass-reflex, 500 W

Equipped with an 18" Electro-Voice EVX 180 B high excursion chassis, the CP 18-1 SUB is a direct radiating sub-woofer in a vented enclosure and produces a deep bass with impressive precision.

With the integrated passive crossover (12 dB low-pass / 100 Hz), this subwoofer is ideally suited to the construction of passive systems (in combination with the CP 12-3 or CP 15-3) as well as for active 2-way systems with the PowerMax 230 crossover and power amplifiers from the Standard or Linear Precision series.

AM 12

Active 2-way monitor system, 360 W

The perfect Plug&Play monitor solution for a wide range of applications. The AM 12 is equipped with a 12" Dynacord LFT 3008 woofer and a driver + constant directivity MF/HF-horn. The integrated full-range power amplifier in class "H" technology delivers 300 watts to the Lo channel and the HF amplifier delivers 60 watts for the Hi channel.

Thanks to the many and diverse connection options and possible settings (Mic, Line and Aux) as well as the possibility of combining the unit with the M 12 passive monitor enclosure, possible applications range from a complete monitor system to a small PA. Additional tools are offered in the ACOUSTIC PROCESSING section: The Lo-EQ is an adjustable LPN-filter controlling the "punch", the MID-EQ as a 4kHz DIP-filter allows to adjust the aggressivity of the horn, while the HI-EQ gives you the control on the "clarity" of the Highs.



M 12

2-way full-range horn-monitor enclosure, 150 W

This 2-way monitor enclosure is the all-rounder in the monitor range and offers high sound pressure levels combined with very good intelligibility. Equipped with a 12" Dynacord LFT 3008 woofer and a driver + constant directivity MF/HF-horn with a nominal angle of dispersion of 90°x 40°, the M 12 is the ideal extension to the AM 12 active 2-way monitor system and is driven directly by the internal full-range power amplifier of the AM12.

CP Sub 800 A

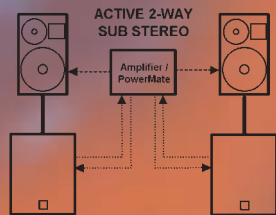
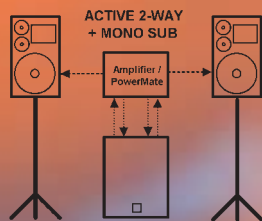
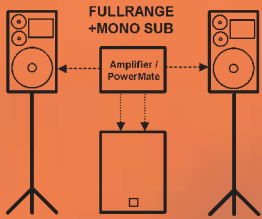
The SUB 800 A is an active sub-woofer with a 15" driver, active PowerMax stereo crossover and integrated power amplifier. With the SUB 800 A, full-range systems - for example those using a PowerMate or mixer- power amplifier combinations - can be extended very simply to form an active stereo 2-way system with a sub-woofer. The SUB 800 A can also be used in parallel to an existing system to provide powerful reinforcement of the low frequency range.

The integrated electronic stereo 2-way crossover, which employs PowerMax technology, divides the signal into mono-sub and stereo mid/high frequency ranges. From the mid/high output terminals of the SUB 800 A in active 2-way mode, the mid/high signal is directed to the Master Return sockets of the mixer or PowerMate to be amplified. The Mono-Sub signal, summed from the L/R channels, is directed to the integrated power amp.

The recessed integrated High Efficiency power amplifier is rated at 800 watts (max. continuous output power IHF-A) and features Class H circuit topology. Driven in this way, the Electro Voice 15" DL 15 Y woofer delivers a maximum SPL of 128 dB / 1 m.

Naturally the SUB 800 A is also equipped with every known type of protective circuitry including a dynamic audio limiter, TBC, Back EMF, DC, HF and short circuit as well as thermal protections and a halogen speaker protector and thermoswitch.

The enclosure of the SUB 800 A is sealed with extremely durable black structural lacquer. Four large castors at the back and two recessed metal handles ensure easy and comfortable handling.



S

SUB 800 A

System and Cabinet Specifications:

SPL 1W/1m	100dB
Max. SPL 1m (Cont.Prog.)	128dB
Frequency Range (-10dB)	
Woofer	Electro-Voice DL15Y (361142)
Cabinet Style	16mm Mediapan 4 rubber feet, 4 transport castors 2 handle 1 speaker-stand threaded flange
Outfit	Cabinet surface black varnished Powder coated steel grille
Dimensions (W x H x D)	431 x 601 x 664 mm
Weight	43 kg

Power Amplifier -, Inputs - and Crossover - Specifications

Max. Dynamic Output Power (IHF-A)	800W
Max. Continuous Output Power (THD=1%,100Hz)	540W
Power Amplifier Design	High Efficiency, Class H
THD+N, rated	< 0.05%
Input Impedance (balanced)	20kohms
Output Impedance (mid-high)	75 ohms, fully-balanced
Crossover, active-stereo	PowerMax12*, 100Hz
Cooling	Convection cooled, passive
Protection	Audio limiter, High temperature, DC, HF, Back-EMF, Peak-current limiters, Inrush current limiter, Turn-on delay, Voice coil protection (TBC)
Power Requirements	230V, 50Hz
Power Consumption	200W
Warranty	36 months

* Patents pending

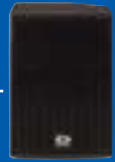




CP 12-2

PowerMate 600

CP 12-2



No. 1

PowerMate 600 with 2 x CP 12-2 —Passive configuration with 600 watts of amplification for small events.

CP 12-3

PowerMate 1000

CP 12-3



No. 2

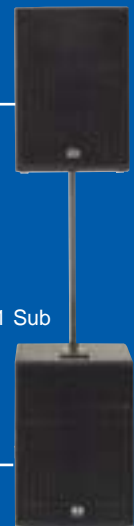
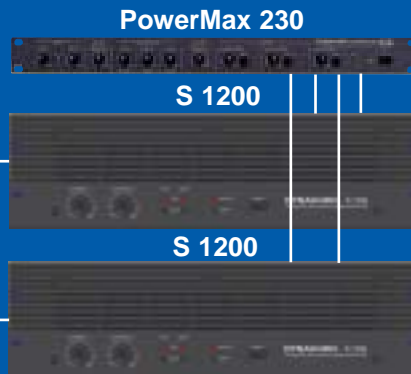


SUB 800 A

PowerMate 1000 with 2 x CP 12-3 and Sub 800 A —Active configuration with 1000 watts of + 800 watts amplification for medium large events.

CP 15-3

CP 15-3



No. 3

CP 18-1 Sub

CP 18-1 Sub

PowerMax 230 and 2 x S 1200 —Active two-way configuration with 2400 watts of amplification for larger events and longer distances.

USA Telex Communications Inc., 12000 Portland Ave. South, Burnsville, MN 55337, Phone: +1 952-884-4051, FAX: +1 952-884-0043
 Germany Telex EVI Audio, Hirschberger Ring 45, D 94315, Straubing, Germany, Phone: 49 9421-706 0, FAX: 49 9421-706 265
 U.K. Shuttle Sound, The Willow Centre, Willow Lane, Mitcham GB • Survey • Phone: +44 20 864 671 14, FAX: +44 20 864 075 83
 France EVI France S. A., Parc de Courcerin, Allee Lech Walesa, Lognes, F-77185 Marne La Vallee, France, Phone: 33/1-6480-0090, FAX: 33/1-6006-5103
 Australia EVI Audio (Austl.), Unit 23, Block C, Slough Business Estate, Silverwater N.S.W. 2128, Australia, Phone: 61/2-9648-3455, FAX: 61/2-9648-5585
 Hong Kong EVI Audio Limited, Unit E & F, 21/F, Luk Hop Industrial Bldg., 8 Luk Hop St., San Po Kong, Kowloon, Hong Kong, Phone: 852-2351-3628, FAX: 852-2351-3329
 Japan EVI Audio Japan, Ltd., 5-3-8 Funabashi, Setagaya-ku, Tokyo, 156-0055 Japan, Phone: 81-3-5316-5020, FAX: 81-3-5316-5031
 Singapore Telex Communications, 3015A Ubi Rd 1, 05-10, Kampong Ubi Industrial Estate, Singapore 408705, Phone: 65-746-8760, FAX: 65-746-1206
 Mexico Av. Parque Chapultepec #66-201, Naucalpan Edo. Mex. 53390, Phone: (52) 5358-5434, FAX: (52) 5358-5588
 Africa Mid-East Telex EVI Audio, Hirschberger Ring 45, D 94302, Straubing, Germany, Phone: 49 9421-706 0, FAX: 49 9421-706 265
 Latin America Telex Communications Inc., 12000 Portland Ave. South, Burnsville, MN 55337, Phone: +1 507 526 3205, FAX: +1 507 526 3059

www.dynacord.de