
VX 2400
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AUDIO
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Controlling & Power

DFC
With the help of the Digital Field Controller, COHEDRA™ can be operated virtually as an active three-way sound reinforcement system. The DFC splits the full-range input signal into three frequency bands—low, mid and high. Filter sets with parameters for capturing frequency and phase correction data as well as limiter settings are stored for each individual band. After processing, the DFC blends the middle and high frequency bands to create a composite output signal for the mid/high units. Armed with this output and the bass output, the DFC delivers the signals needed to drive the system in bi-amp mode. With its specialized software and matching PC interface, this comprehensive controller enables the operator to manage a complex sound reinforcement system by means of an intuitive interface.

VX 2400
In addition to its impressive test-bench specs, the VX 2400 high-performance power amplifier offers superb sonic qualities like natural highs and articulate bass with a lightning-fast transient attack. The total output level of the amp amounts to an astonishing 4000 watts with a crest factor of 18 dB. These abundant power reserves (i.e. headroom), in concert with the natural-sounding DFC overshoot limiters and the speakers themselves, make it possible to reproduce sonic events with truly dynamic authenticity.

PB 5
Re-configuring without the hassles of re-cabling. The PB 5 is the interface that connects all the COHEDRA™ components together. It provides connections for analogue and digital signal inputs as well as four speaker outputs that can connect to four single NL 4 Speakon connectors or to NL 8 multi-outs. The mid/high signal or subwoofer signal can be assigned to any individual power-amp channel (cabinet pair) by means of selector switches. This flexibility allows you to set up any number of different rack configurations quickly and easily. At the loudspeakers, the signal is routed with special splitters.

Technichal Data **VX 2400**

Class:	H
Continuous power @ 8 ohms:	750 W x 2
Continuous power @ 4 ohms:	1200 W x 2
Continuous power bridged:	2400 W @ 8 ohms
Peak power @ 8 ohms:	1200 W x 2
Peak power @ 4 ohms:	2150 W x 2
Peak power bridged:	4.350 W @ 8 ohms
Frequency response (+/- 1dB):	20 - 20.000 Hz
Signal-to-noise ratio:	-106 dB
THD - 20 Hz - 20 kHz:	< 0.1% @ 4 Ohm
Input impedance, bal./unbal.:	20.000/10.000 Ohm
Input sensitivity:	1,4 Vrms
Input gain (dB):	39 dB
Stereo / Mono / Bridge:	S/M/B
Protection:	DC, Load, Thermal
Limiter:	Peak
Cooling:	int. fan, front to back
Inputs:	2 x XLR, 2x 1/4" Jack,
	(un)balanced
Outputs:	2 x Speakon® NL 4,
	2 x Binding Post
Power consumption:	1130 W typ / 1800 W max
2-ohm / 4-ohm mode:	4 Ohm min. load
Dimensions (WxHxD):	48,3 x 8,9 x 43,9 cm
	19" x 3-1/2" x 17-3/10"
Weight:	19,8 kg (43,5 lb)

Technichal Data **DFC**

Analog input:	3-pin XLR f
Digital input:	3-pin XLR f
Data format:	AES-EBU
Sampling rate:	44,1 kHz
Input level (nom./max.):	0 dBV / + 24 dBV
Output level (max.):	+ 10 dBV
Output impedance:	47 ohms
Outputs:	LF-Out, 3-pin XLR m
	MF-Out, 3-pin XLR m
	HF-Out, 3-pin XLR m
Frequency response:	10 Hz - 20 kHz (±2 dB)
Dynamic range:	-128 dB (unweighted)
Resolution A/D converter:	24 Bit
Resolution D/A converter:	20 Bit
Weight:	3 kg (6.6 lb)
Dimensions (WxHxD):	48,2 x 4,4 x 22,7 cm
	19" x 1-3/4" x 9"

System Suggestion

COHEDRA™ standard system consisting of:
12 x CDR 208 S
12 x CDR 208 T
24 x CDR 210 Sub
2 x PR 16
2 x PR 8
1 x Rigging Hardware Set

The required loading space (all cases on wheels) is:
240 x 376 cm with a weight of approx. 2,200 kg