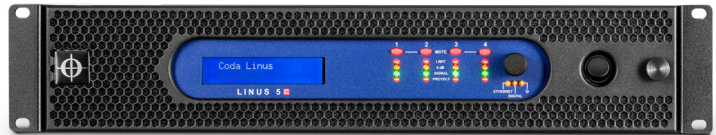


LINUS5-C Data Sheet

LINUS5-C

4-Channel Loudspeaker
Management Amplifier



The LINUS5-C is a 4-channel loudspeaker management amplifier with networking and DSP, delivering 5000 W total RMS power in a lightweight 19-inch / 2U package.

Offering four output channels, the LINUS5-C is an efficient and compact amplifier solution that occupies just 2 rack spaces, incurs a reduced cost, and has a reduced weight when compared to previous 4-channel amplifier solutions.

The exceptional power of the LINUS5-C class-D output stage topology ensures maximum headroom and optimal system performance for installed CODA Audio systems. This amplifier technology is combined with SHARC floating-point processing. This DSP features vast processing power which enables the integration of sophisticated audio algorithms. The advanced signal processing includes IIR and phase-linear FIR filters for perfect linearity and superior sound performance as well as look-ahead and frequency dependent limiters for increased system headroom.

The LINUS5-C contains presets for use with CODA Audio loudspeaker systems, enabling quick setup time and providing the utmost in audio clarity and performance. In addition to FOH system control, LINUS5-C is suitable for monitor systems, delay systems, and zoned systems. Factory presets for compatible CODA Audio systems (D-Series, G300/G500, CoRAY, HOPS8, TiRAY, OMNIO5, PW12/112/115/118-Subs) are included, 10 user preset slots are available.

LINUS5-C Features

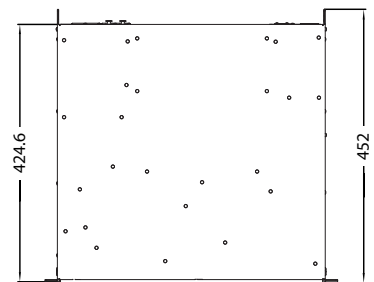
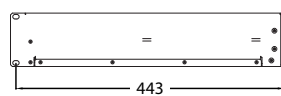
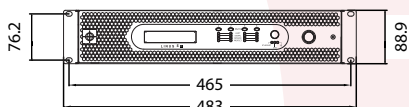
- ⊕ High output power (5000 W RMS total)
- ⊕ SHARC floating point DSP @ 96 kHz
- ⊕ LiNET-C – 4x freely configurable digital audio signals over a CAT5 cable
- ⊕ LINUS Control Ethernet interface provides network control and monitoring of amplifiers
- ⊕ Advanced IIR and linear-phase FIR filters
- ⊕ Efficient Class D design for superior sound performance
- ⊕ Lightweight power supply for 100 V / 115 V / 230 V



LINUS5-C Data Sheet



LINUS5-C	
Channels	4 inputs (analog, digital) routable to any of the 4 outputs
PHYSICAL	
Net weight	10.7 kg / 23.5 lb
Shipping weight	14 kg / 30.9 lb
Dimensions (W x H x D)	483x88.9x453 mm / 19x3.5x17.8"
Shipping Dim. (W x H x D)	675x140x560 mm / 26.6x5.1x22"
AUDIO	
Input impedance (balanced)	30 k Ω
Max Input level (balanced, THD 1%)	+15 dBu / 4.36 Vms
Output noise (analogue input)	< -112 dB (unweighted) / -115 dB (A-weighted)
Output noise (digital input)	< -114 dB (unweighted) / -117 dB (A-weighted)
Frequency response (@ 8 Ω load, w/o preset setting)	20 Hz – 20 kHz (+0.5 / -1 dB)
THD+N, IMD (20 Hz – 20 kHz)	< 0.09%, 4 Ohms P/2
SMPTE (20 Hz - 20 kHz)	n/A
Damping Factor (@ 8 Ω load, 1 kHz and below)	> 400
DSP	
Inputs	4x
Outputs	4x
Processor	Analog Devices SHARC DSP
Sampling rate	96 kHz / 32 bit floating point
Presets	24 Factory and 20 User presets
OUTPUT POWER	
Peak power	6 dB Crest Factor on each channel, tolerance dependent (+/- 1.25%)
8 Ω	4x 900 W
4 Ω	4x 1600 W
2 Ω	4x 2800 W
RMS POWER all channels driven, 1 kHz, >1% THD @VAC	
8 Ω	4x 400 W
4 Ω	4x 700 W
2 Ω	4x 1250 W
Output Circuitry	Class D
FRONT PANEL	
Power on/off switch	yes
Display	yes
Mute buttons	each channel
Menu buttons	n/A
Signal, Clip, Protect LEDs	each channel
Comparator LEDs	n/A
Input signal detection LEDs	analog / digital
Ethernet LED	yes
Standby LED	yes
REAR PANEL	
Balanced analog inputs	4x XLR / F + RJ45 (parallel)
Link analog signal	RJ45
LiNET input	(LiNET-C) RJ45
LiNET daisy-chain link	(LiNET-C) RJ45
LINUS Control (User interface)	RJ45 (Ethernet)
LINUS Control (daisy-chain link)	n/A
Dante input	n/A
AUX	n/A
Sensor inputs	n/A
Amplifier outputs	Neutrik™ Speakon 2x NL4, 1x NL8
Mains	Neutrik™ PowerCon 32A
MAINS POWER DUAL VOLTAGE SMPS	
230 V	165-264 V (47-63 Hz)
120 V	85-132 V (47-63 Hz)



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