

## LINUS10-C



## LINUS10-C

4-channel DSP amplifier

- Integrated DSP, network and amplifier solution
- High efficiency Class D amplifier engine
- Light weight SMPS power supply
- SHARC floating point DSP @ 96 kHz
- 4 balanced analogue inputs
- LiNET-C: 4 x freely configurable digital audio signals over a CAT5 cable
- LINUS LIVE - Network Control and Monitoring of amplifiers over Ethernet
- Coda Audio factory presets using advanced linear phase FIR filters
- 6 years warranty

The LINUS-C is a range of 4 channel loudspeaker management amplifiers providing 10.000 W (LINUS10-C) or 5.000 W (LINUS5-C) total RMS power output. Aimed at both installation and mobile applications the light 19"/2U package incorporates 4-in, 4-out DSP, Network and Amplification to deliver maximum flexibility, reduced rack space, less weight and summary reduced system cost.

**LINUS-C ENGINE** - the class D output stage topology delivers high power with enormous headroom providing significant improvement of the system performance in dynamic and transparency.

**LINUS-C CORE** – the SHARC floating point DSP processor ensures a lot of processing power enabling 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.

**LiNET-C** - transmit digital audio over a standard CAT5 cable. Up to 4 digital audio signals can be sent to each amplifier via LiNET-C, buffered and sent to the next unit via the LiNET-C link out for daisy chaining. The signal routing inside the LINUS-C can be done remotely or using the encoder on the front panel. LiNET-C is compatible to LiNET, but limited to only four digital audio signals.

**LINUS LIVE** – Ethernet based graphical user interface for fast and flexible system configuration, tuning and control.

TECHNICAL SPECIFICATIONS LINUS5C + LINUS10C		
<b>GENERAL</b>		
Channels	4 inputs (analog / digital) routable to any of the 4 outputs	
<b>AUDIO</b>		
Input impedance	16k balanced	
Max Input level	+18dBu	
Output noise (analog input)	< -112 dB (unweighted) / -115dB (A-weighted)	
Output noise (digital input)	< -114 dB (unweighted) / -117dB (A-weighted)	
Frequency response	(20 Hz - 20 kHz) + /-0.3 dB at 4 Ohms	
THD + N, IMD (20 Hz-20 kHz)	< 0.009%, 4 Ohms P/2	
Damping Factor	> 600	
<b>DSP</b>		
Inputs	4x	
Outputs	4x	
Processor	Analog Devices SHARC DSP	
Sampling rate	96 kHz / 32 bit floating point	
Presets	24 Factory and 10 User presets	
<b>OUTPUT POWER</b>		
Peak power 100 Hz burst / 12 dB Crest factor on each channel, tolerance dependent (+/- 1.25%)		
	LINUS5-C	LINUS10-C
8 Ohm	4x 900 W	4x 3200 W
4 Ohm	4x 1600W	4x 5200 W
2 Ohm	4x 2800 W	4x 6000 W
<b>RMS power</b>		
	LINUS5-C	LINUS10-C
8 Ohm	4x 400 W	4x 1400 W
4 Ohm	4x 700 W	4x 2200 W
2 Ohm	4x 1250 W	4x 2500 W

## LINUS5-C



## LINUS5-C

4-channel DSP amplifier

## TECHNICAL SPECIFICATIONS LINUS5C + LINUS10C

## FRONT PANEL

Power on/off switch	yes
Display	yes
Mute buttons	each channel
Encoder	provides front panel control
Signal, Limit, Protect LEDs	each channel
Input signal detection LEDs	analog / digital
Ethernet LED	yes
Standby LED	yes

## REAR PANEL

Balanced analog inputs	4 x XLR / F + RJ45 (parallel)
Link analog signal	RJ45
LiNET-C input	RJ45
LiNET-C daisy-chain link	RJ45
LINUS LIVE (User interface)	RJ45 (Ethernet)
Amplifier outputs	Neutrik™ Speakon 2 x NL4, 1 x NL8
Mains	Neutrik™ Powercon 32A

## Mains power

SMPS	
230V	165 - 264V (47-63 Hz)
120V	85 - 132V (47-63 Hz)
100V	80 - 120V (47-63 Hz)

## PHYSICAL

	LINUS5-C	LINUS10-C
Net Weight	10.7 kg / 23.5 lbs	14.3 kg / 31.6 lbs
Dimensions (W x H x D)	483 x 88.9 x 453 mm	(19" x 3.5" x 17.8")
Shipping Dim. (W x H x D)	540 x 135 x 615 mm	(21.3" x 5.3" x 24.2")

## APPLICATIONS

Containing factory presets for Coda Audio loudspeaker systems LINUS-C amplifiers offer a flexible, cost effective solution for permanent installation, small touring, corporate AV and portable applications.

## Factory presets LINUS10-C:

ViRAY, TiRAY, CoRAY, HOPS, G-Series, D-Series, CUE-Series, U-Subs, PW-Subs

## Factory presets LINUS5-C:

D-Series, G300/G500, CoRAY, HOPS, TiRAY, OMNIO5, PW12/112/115/118-Subs

All factory presets are designed using Linear Phase FIR filters to improve clarity and response.

## What is the difference between LINUS and LINUS-C amplifiers?

	LINUS	LINUS-C
Presets	200x	34x
Digital audio inputs	LiNET 8x dig. signals	LiNET-C 4x dig. signals
Input delay	3000ms	400ms
Output I/U measurements	yes	no
Comparator	yes	no
AUX for evacuation message	yes	no
Upgradable to Dante/AVB	yes	no
Amplifier engine	Class H / N-Core	Class D
Automatic selection 115/230V	yes	no
Display	yes	yes (smaller)
Ethernet	IN + LINK	IN only