The LINUS10-C is a 4-channel high-power loudspeaker management amplifier with networking and DSP, delivering 10,000 W total RMS power in a lightweight 19-inch / 2U package.

Offering four output channels, the LINUS10-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 LINUS10-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 various protection limiters for increased system headroom and secure system performance.

The LINUS10-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, LINUS10-C is suitable for monitor systems, delay systems, and zoned systems. Factory presets for compatible CODA Audio systems (D-Series, G-Series, CoRAY, HOPS8, CUE-Series, TiRAY, ViRAY, OMNIO5, PW-Subs, U-Subs) are included, 10 user preset slots are available.

LINUS10-C Features

- Very high output power (10,000 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
# LINUS10-C Data Sheet

## GENERAL
- **Number of output channels**: 4
- **Output stage**: Class D
- **Internal samplerate / bit-depth**: 96 kHz / 24 bit
- **Signal-to-noise ratio (22 Hz - 20 kHz, 4 Ω - analogue input)**: >112 dB (unweighted)
- **Signal-to-noise ratio (22 Hz - 20 kHz, 4 Ω - digital input)**: >117 dB (unweighted)
- **Frequency response (8 Ω load, with CLEAR preset)**: 20 Hz–20 kHz = (+0.5 dB / -1.0 dB)
- **THD+N (4 Ω load @ 120 W output power)**: < 0.1%
- **Latency (input to loudspeaker output)**: min. 2.70 ms AES/EBU input
  min. 2.00 ms Analogue input
- **Protection circuits**: Inrush current limiter, Thermal limiter, Output DC, SMPS over-current, Output overload
- **LED indicators**: Mute status, Limit, 0 dB, Signal, Protection, Ethernet control active, Digital signal locked, Power on
- **Ethernet connection**: 1x 10 Mbps RJ45

## INPUT
- **Input sources**: Analogue & AES/EBU
- **An. input impedance (balanced)**: 30 kΩ
- **Max. input level (an. differential)**: +15 dBu / 4.36 Vrms
- **Supported digital input formats**: Internal SRC
  - 32 kHz / 44.1 kHz/ 48 kHz / 96 kHz / 176.4 kHz / 192 kHz

## OUTPUT
- **RMS output power**
  - (20 Hz - 20 kHz, THD < 0.1%) (All channels driven)
  - 1400 W @ 8 Ω / 2500 W @ 4 Ω
  - 3100 W @ 2.7 Ω / 3700 W @ 2 Ω
- **Peak output power**
  - (20 Hz - 20 kHz, 6 dB Crest Factor) (All channels driven)
  - 3200 Wpk @ 8 Ω / 5200 Wpk @ 4 Ω
  - 5800 Wpk @ 2.7 Ω / 5000 Wpk @ 2 Ω
- **Max. output voltage**: +/-170 V
- **Max. output current**: +/- 52 Apk
- **Damping factor (8 Ω load, 1 khz & below)**: > 800
- **Min. output load**: 2 Ω nom.
- **Power output connections**: 2x Neutrik NL4 speakON®
  1x Neutrik NL8 speakON®

## THERMAL
- **Operating temperature**: +5°C to 55°C / 41°F to 131°F
- **Thermal output (BTU/h)**: 696.08 = Idle / 1910.80 = 20% / 3739.71 = 50% / 6776.51 = 100%
- **Thermal output (kWh)**: 0.204 = Idle / 0.560 = 20% / 1.096 = 50% / 1.986 = 100%
- **Cooling**: 2x thermally controlled fans not air expelled at rear

## PHYSICAL
- **Dimensions (W x H x D)**: 443.5x198x45.6 mm / 17.5x7.8x1.8''
- **Shipping dimensions (W x H x D)**: 475.5x305x660 mm / 18.7x12.0x26.0''
- **Net weight**: 14.3 kg / 31.5 lbs
- **Shipping weight**: 17.5 kg / 38.6 lbs