

LINUS-V908 Data Sheet

LINUS-V908

8 Channel DSP Amplifier with
Loudspeaker Management for
Mobile Applications



The LINUS-V908 is an eight-channel touring-grade power amplifier based on CODA Audio's latest amplifier topology. Designed in a compact 2U format, it provides high power density and very low distortion performance, ensuring accurate and reliable audio reproduction in professional touring and portable system applications.

The V908 delivers 1500 W at 2 ohms per channel across eight channels. Channels can be bridged independently, allowing flexible output configurations of 1500 W at 4 ohms or 3000 W at 4 ohms, enabling efficient system scaling and configuration flexibility.

The amplifier incorporates a new DSP architecture, supporting future firmware updates and long-term adaptability.

Dual high-efficiency SMPS with power factor correction (PFC) allows operation across a 100–240 V mains voltage range.

Analogue and LiNET inputs are provided as standard, with Dante connectivity available on the V908-D model.

Factory presets for CODA loudspeakers—excluding sensor-controlled subwoofers and large-format line arrays—are stored internally and accessed via the 320 x 240 pixel touchscreen. Control is available locally, via the LINUS Control App for individual amplifiers, or through networked operation using LINUS Control Software for full system management.

The LINUS-V908 is engineered for touring reliability and is covered by a five-year guarantee. Ongoing firmware updates ensure continued compatibility, updated presets and specialist functionality.

Power that punches above its size. Control that fits in your pocket. Performance, plus advanced look-ahead and frequency-dependent limiters. The end result is increased system headroom and sonic fidelity, even under heavy use conditions.

LINUS-V908 Features

- ⊕ 8x 1500 W @ 2Ω or 4x 3000 W@ 4Ω
- ⊕ 8 balanced analogue XLR inputs
- ⊕ LiNET – 8x freely configurable digital audio signals over CAT5e
- ⊕ Dante redundant (LINUS V908D only)
- ⊕ PoE on the control port, in case of mains power loss, the control section still functions
- ⊕ Configurable GPIO
- ⊕ Front panel IPS Touchscreen 240x320
- ⊕ LINUS Control – full network control and monitoring of amplifiers over Ethernet
- ⊕ LINUS App – full amplifier control and monitoring via mobile device using internal wi-fi hotspot
- ⊕ Optimised factory presets for all CODA Audio loudspeaker systems(except ViRAY, CiRAY, AiRAY, and sensor subwoofers)

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GENERAL

Number of output channels	8
Output stage	Class D-IC
Internal samplerate / bit-depth	48 kHz / 64 bit
Signal-to-noise ratio (22 Hz - 20 kHz, 4 Ω - analog input)	>105 dB (unweighted) >108 dB (A-weighted)
Signal-to-noise ratio (22 Hz - 20 kHz, 4 Ω - digital input)	>113 dB (unweighted) >116 dB (A-weighted)
Frequency response (8 Ω load, with CLEAR preset)	20 Hz - 20 kHz = (+0.3 dB / -0.2 dB)
THD+N & IMD (4 Ω load @ 1/2 output power)	20 Hz - 20 kHz = < 0.05%
Latency (input to loudspeaker output)	Min. 2.70 ms AES/EBU input Min. 2.00 ms Analog input

Protection circuits

Inrush current limiter
Thermal limiter
Output DC
SMPS over-current
Output overload
IPS Touchscreen 240x320
Mute / Status / Limit / Signal / Protection / Ethernet / Power on / Mains voltage
Front panel control of audio parameters: Preset / Delay / Mute / Snapshot / Standby

Ethernet connection

2 × 100 Mbps RJ45 Control (1 port accepts PoE 802.3af backup power for DSP)
2 × 1000 Mbps RJ45 Dante™ (Redundant)

AC MAINS

AC mains	32A powerCON®
AC mains input connector	100 V - 240 V AC with PFC
AC mains voltage (nominal)**	90 V - 264 V AC Amplifier in standby = 16 W
AC mains voltage (maximum)**	Amplifier idle = 40 W Amplifier ¼ power = 3000 W
AC mains frequency	47 - 63 Hz

*typical values - some variation may exist due to component tolerances

** voltage range should not be exceeded. Amp. output power will degrade below nominal voltage & increase above E&OE

INPUT

Input sources	Analog & LINET & DANTE™ (optional)
An. input impedance (balanced)	20 kΩ
Max. input level (an. differential)	+21 dBu
Input connections	8 × XLR Female 1 × RJ45 LINET IN (8 × CH) 1 × RJ45 LINET LINK (8 × CH) 2 × RJ45 DANTE IN (8 × CH) (optional)

OUTPUT

RMS output power* (20 Hz - 20 kHz, THD <0.01%) (all channels driven, 12 dB Crest Factor)	500 W @ 8 Ω 800 W @ 4 Ω 1500 W @ 2 Ω 1600 W @ 8 Ω bridged 3000 W @ 4 Ω bridged
Peak output power* (20 Hz - 20 kHz, 6 dB Crest Factor) (all channels driven)	1000 W @ 8 Ω 1600 W @ 4 Ω 3000 W @ 2 Ω 3200 W @ 8 Ω bridged 6000 W @ 4 Ω bridged

Max. output voltage*	+/- 90 V pk +/- 160 pk (bridge)
Max. output current*	+/- 40 A pk

Damping factor (8 Ω load, 1 kHz & below)	>2500
Min. output load	2 Ω per channel 4 Ω in bridged mode
Power output connections	4 × SpeakON® 4 pole

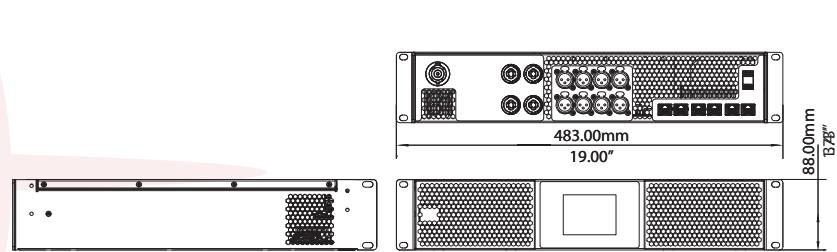
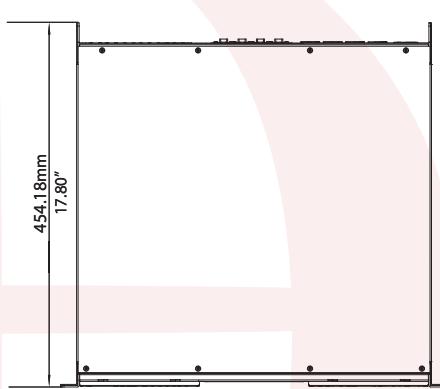
THERMAL

Operating temperature	+5°C to +55°C 41°F to 131°F
Termal output (BTU/h)	170.6 = Idle 1400 = 20 % 3248 = 50 % 6312 = 100 %

Thermal output (kWh)	0.05 = Idle 0.41 = 20 % 0.95 = 50 % 1.85 = 100 %
Cooling	2 × thermally controlled fans. Hot air expelled at rear.

PHYSICAL

Dimensions (W x H x D)	483.5 x 88 x 454.18 mm / 19" x 3.4" x 17.8" (2U)
Shipping dimensions (W x H x D)	483.5 x 88 x 454.18 mm / 19" x 3.4" x 17.8" (2U)
Net weight	12.10kg / 26.67 lbs
Shipping weight	14.09kg / 31.06 lbs



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