

# LA 10.4D

4-CHANNEL NETWORKED SYSTEM AMPLIFIER

## PRODUCT FEATURES

- 4-channels with up to 2,500 W each
- Easy handling
- Intuitive amplifier operation with 3.5" touchscreen
- Full control with "SE Mission Control" remote software
- Integrated DSP for advanced signal processing and system tuning
- Remote network control
- Dante<sup>®</sup> networked-audio (optional)
- AES/EBU and analog signal input/outputs



## PRODUCT DESCRIPTION

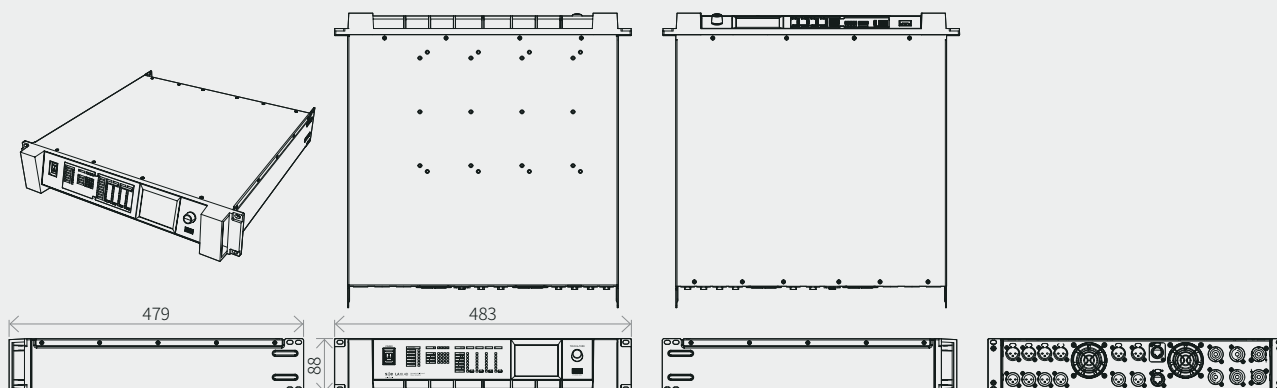
LA 10.4D is a 4-channel networked system amplifier tailored for the SE AUDIOTECHNIK product portfolio, from line array systems to subwoofers, point source loudspeakers and monitors. Speaker and device presets unleash the best possible performance and are designed for various applications.

LA 10.4D provides full performance monitoring featuring an integrated DSP, Dante<sup>®</sup> network audio connection (optional), remote network control access as well as connectors for AES/EBU and analog signal input and link output. All parameters can be adjusted with the SE Mission Control software or stand-alone on the amp by using the LCD touchscreen. Custom controllers with cross-parameter and group control ensure a flexible and adaptable workflow.



**Dedicated software for real-time system control and monitoring.**  
Intuitive user interface for simple and precise remote network operation.

## PRODUCT DRAWINGS



## SPECIFICATIONS

### ELECTRICAL

<b>Type</b>	Networked DSP amplifier with 4x BTL Class D and channel discrete Switch Mode Power Supply
<b>Channels</b>	Four
<b>Output Power <sup>1</sup></b>	4 x 1200 W @ 8 Ω, 1 kHz, 1%THD 4 x 1400 W @ 8 Ω, 1 kHz, 2%THD 4 x 1700 W @ 4 Ω, 1 kHz, 1%THD 4 x 2500 W @ 4 Ω, 1 kHz, 2%THD 4 x 1400 W @ 8 Ω, 50 Hz, 4%THD 4 x 1500 W @ 4 Ω, 50 Hz, 4%THD
<b>Minimum load impedance</b>	4 Ω (with current limiting)
<b>Frequency response (Line In) (4 Ω)</b>	20 Hz to 20 kHz: -1 dB
<b>Damping factor</b>	8 Ω: > 500 @ 1 kHz 4 Ω: > 250 @ 1 kHz
<b>Input impedance</b>	> 20 kΩ balanced
<b>Maximum input level</b>	+22 dBu
<b>SNR Line In to Spk out</b>	110.7 dB, 113.5 dB(A) (@1500 W/8 Ω, +42 dBu)
<b>Noise Floor</b>	-68.7 dBu (280 uV), -71.5 dBu(A) (200 uV(A))
<b>Channel crosstalk</b>	-97.8 dB
<b>THD+N</b>	< 0.0087% at 175 W into 4 Ω (1/8th of Rated Power) < 0.0095% at 350 W into 4 Ω (1/4th of Rated Power)
<b>DSP</b>	48 kHz, 32 bit SHARC DSP with floating point processing
<b>System latency</b>	2.8 ms to 10 ms (preset dependent)
<b>Protection</b>	Short circuit, overheating, overcurrent
<b>Cooling</b>	Two fans with temperature dependant speed and tach feedback Front-to-back air flow
<b>Power efficiency</b>	> 70 %
<b>Power consumption (both PowerCON<sup>®</sup> summed)</b>	Off: 3 W Idle/play ready: 70 W at 1/8 of Rated power: 1000 W at 1/4 of Rated power: 2000 W at 1/3 of Rated power: 2666 W Peak power: 8000 W
<b>Inrush current (per PowerCON<sup>®</sup>)</b>	40 A (<1 ms) when connected to mains 9 A (<250 ms) when switching on
<b>Rated current (PowerCON<sup>®</sup>)</b>	9 A (230 VAC); 18 A (115 VAC) @ 1/4th of rated power
<b>Operating voltage range</b>	90 – 265 VAC 50/60 Hz

### HARDWARE

<b>Indicators</b>	4x Signal indicator LED for each input: Signal presence, Clipping 4x Channel LED: Mute, Active, Levels, Limit, Protect 6x Status Led: Dante, AES1+2, AES3+4, LAN, Stand-By, Fault
<b>Screen</b>	3.5" TFT Color display with Touch Panel & 320 x 240 resolution RGB
<b>Input connectors</b>	4x XLR-3 male line-level inputs and buffered link outputs 2x XLR-3 male AES/EBU inputs and buffered link outputs 1x Dante <sup>®</sup> via separate etherCON <sup>®</sup> terminal (optional) 1x Network control via separate etherCON <sup>®</sup> terminal 1x Front USB
<b>User controls</b>	Control encoder with push-button Touch Screen 4x output MUTE Power On
<b>Output connectors:</b>	4x Neutrik SpeakON <sup>®</sup> NL4 outputs
<b>Power connector</b>	1x Neutrik PowerCON <sup>®</sup> 32A

### SOFTWARE

<b>DSP Features</b>	Levels, Parametric EQ, Delay, Phase, RMS Limiter, Peak Limiter, IIR/FIR Filtering
<b>Configuration handling</b>	Loading of factory presets provided by SE AUDIOTECHNIK. Storing and recalling of user presets.
<b>Remote control via network</b>	Controlling of individual amplifiers, parameters or parameter groups in distributed or single amplifiers via SE Mission Control software.
<b>Monitoring</b>	<ul style="list-style-type: none"> <li>• Temperatures</li> <li>• Fan speeds</li> <li>• Voltages</li> <li>• Connection states</li> <li>• Fault states</li> <li>• System events</li> <li>• Runtime</li> </ul>

### MECHANICAL

<b>Product Dimensions [H x W x D]</b>	89 x 483 x 480 mm / 2 RU
<b>Net weight</b>	14.5 kg
<b>Packaging dimensions [H x W x D]</b>	183 x 650 x 565 mm
<b>Total weight</b>	16.5 kg
<b>Cabinet</b>	Aluminium front panel, steel housing
<b>Rack mounting</b>	Four frontal 6 mm holes at sides
<b>Operating ambient temperature range</b>	[5°C ; 40°C]
<b>Storage temperature range</b>	[-20°C ; 90°C]
<b>Ingress Protection</b>	IP20

All product specifications are subject to change without prior notice.

<sup>1</sup> According to CEA-2006. (rounded)