

NPA series

NPA2500T,
NPA4000T

amplifiers

Range of amplifiers with built-in DSP processing and remote Ethernet management.

An AMIC digital signal processing module and a remote Ethernet management module are built into all NPA series amplifiers, allowing them to be controlled and supervised from any PC on the network where they are installed-or even from a remote location via the Internet.

The EclerNet manager application is the control tool for this amplifier series. With this software application, users can configure each amplifier's built-in DSP processor (gain, crossovers, parametric EQ with 10 filters, delay, compressor/limiter, etc.) as well as control and supervise the status of individual amplifiers, amplifier groups, individual amplifier channels and amplifier channel groups.

Key features

- Two available models: NPA2500T and NPA4000T
- SPM TECHNOLOGY (Switching Power Mosfet)
- Analogue and digital inputs (AES/EBU)
- LCD screen and local controls on front panel
- Built-in AMIC DSP module
- Built-in EclerNet remote control module (including control over all AMIC DSP functions + supervision and control over alarms, protections, temperature, load impedance, output power, AC power supply, amplifier groups and/or channels, output power limiter, system log, etc.)
- Cooled with variable-speed fan that adjusts to the internal temperature
- Built-in anti-clip system
- Soft start
- Built-in RJ45 (Ethernet) and RS-232 (CRESTRON®, AMX®, EXTRON®, etc.) remote control ports
- Speakon® outputs
- Height: 3 rack units

NPA power fast guide

		NPA2500T	NPA4000T
POWER 20-20kHz	2Ω Stereo	1650 WRMS	2840 WRMS
1% THD	4Ω Stereo	1150 WRMS	1910 WRMS
(Both channels driven)	8Ω Stereo	695 WRMS	1120 WRMS
	8Ω Bridged	2290 WRMS	3800 WRMS

Tech. Characteristics

		NPA2500T	NPA4000T
POWER 20Hz-20kHz 1% THD	2Ω Stereo	1650 WRMS	2840 WRMS
	4Ω Stereo	1150 WRMS	1910 WRMS
	8Ω Stereo	695 WRMS	1120 WRMS
	8Ω Bridged	2290 WRMS	3800 WRMS
Peak Power 2Ω/1kHz		3850 WRMS	6200 WRMS
Overall Voltage Gain		26/32/38 dB	26/32/38 dB
Frequency response (-1dB, -3dB)		6Hz-37kHz	6Hz-37kHz
THD + Noise @ 1kHz Full power		<0.04%	
S+N/N 20Hz-20kHz @ 1W/4Ω		>84dB	
Damping factor 1kHz @ 8Ω		>350	
Channel Crosstalk @ 1kHz		>80dB	
Input connectors		XLR3 balanced	
Input CMRR/ref. Max. PWR		>60dB@1kHz	
Signal present indicator		-40dB	



Applications

- Live sound (possibility of in-place WiFi management from a laptop)
- Fixed installation
- Integration in global facility control systems
- Large PA systems and zones with high number of speakers (high power direct over a 100 V line without additional transformers)
- Facilities requiring supervision, diagnostics and adjustments from remote locations (via LAN or Internet)

All product characteristics are subject to variation due to production tolerances. ECLER, S.A. reserves the right to make changes or improvements in the design or manufacturing that may affect these product specifications.
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Product