

NXA is the name of a new series of "all-in-one" digital audio devices: a multichannel self-powered digital manager that stays halfway between the former NZA networkable amplifiers and a digital matrix. In some projects a remotely managed digital amplifier is necessary, but not enough to fulfill with the full list of requirements (sources mixing, input priority (takeover), FAULT monitoring, end user remote control, etc.). Adding a digital matrix to the list can take it out of budget. This is where the NXA series fits perfectly: an amplifier-processor digital hybrid device, a complete audio solution with various remote control options and a long list of smart features.

**Key features**

- 4 available models
  - NXA4-80: 4 x 80 W RMS @ 4
  - NXA4-200: 4 x 200 W RMS @ 4
  - NZA6-80: 6 x 80 W RMS @ 4
  - NZA6-200: 6 x 200 W RMS @ 4
- 4/6 analogue inputs
- 4/6 powered output channels (can work in SINGLE, PARALLEL or BRIDGE modes)
- 4/6 GPI REMOTE control ports (compatible with 0-10VDC analogue control devices, like the WPMVOL and WPMVOL-SR wall panels). A REMOTE port can control one or several inputs volume, one or several outputs volume or a preset recall
- Class D amplifiers (eco friendly)
- Auto stand-by function (eco friendly)
- 100% silent, thanks to its fanless convection cooling system
- First-class digital audio codecs, providing excellent signal to noise ratio figures
- Ethernet interface, compatible with EclerNet Manager platform and UCP remote control system (webserver-webclient system)
- TP-NET third-party remote control, via Ethernet and RS-232 interfaces (compatible with CRESTRON®, AMX®, RTI®, VITY®, etc.)



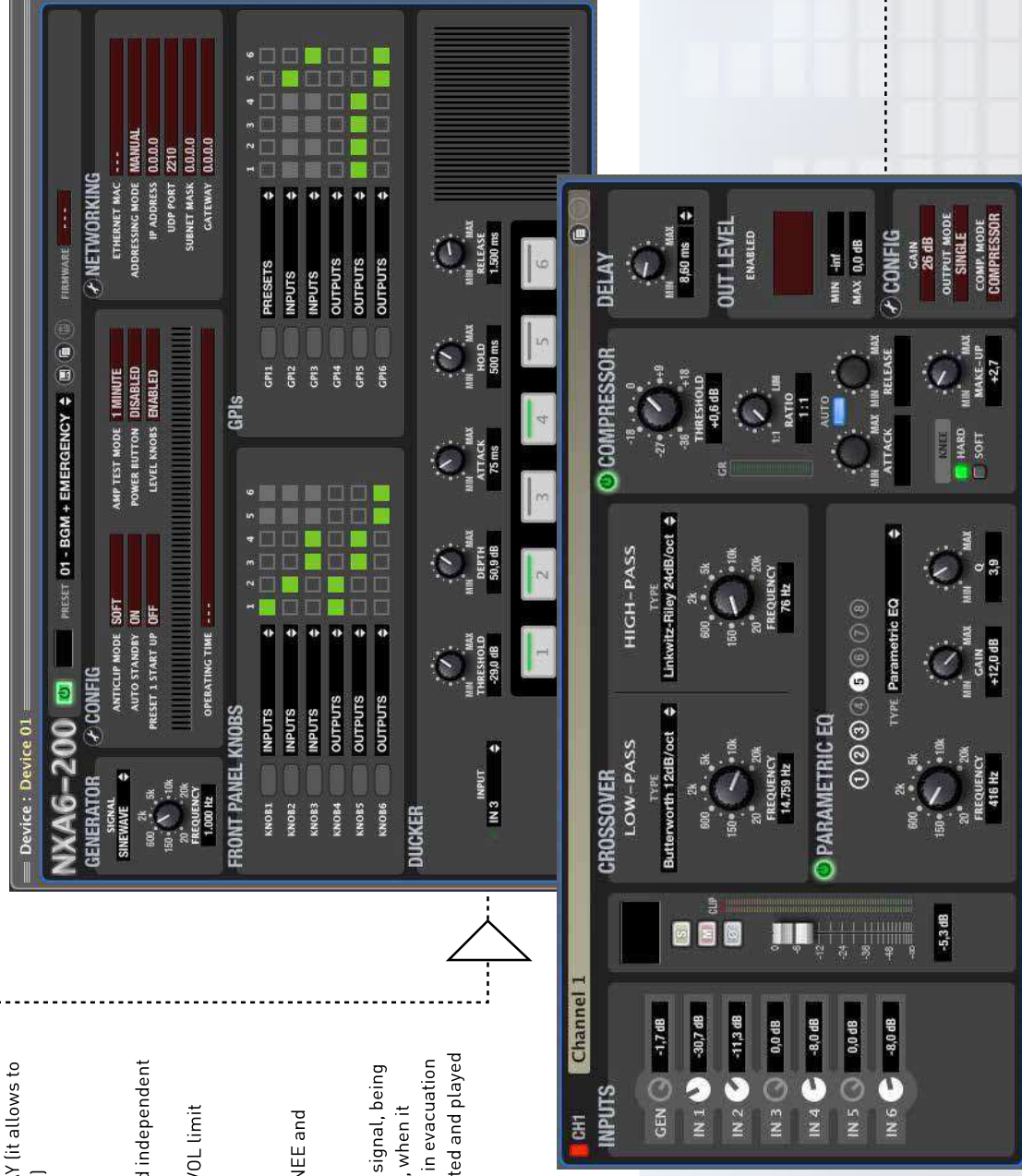
**PRELIMINARY Technical Characteristics**

	NXA 4-80	NXA 6-80	NXA 4-200	NXA 6-200
<b>POWER 20Hz-20kHz 1% THD</b>				
1 Channel @ 40 (RMS)	85 W	84 W	202W	218 W
1 Channel @ 80 (RMS)	51 W	49 W	121 W	126 W
All Channels @ 40 (RMS)	66 W	65 W	168 W	163 W
All Channels @ 80 (RMS)	43 W	42 W	107 W	105 W
1 Bridge channel @ 80 (RMS)	160 W	158 W	383 W	399 W
<b>Overall Voltage Gain</b>	+26 / +32 dB			
<b>Frequency response [-1dB, -3dB]</b>	10Hz - 25kHz			
<b>THD + Noise @ 1kHz Full power</b>	<0.05%			
<b>Noise Floor [FFT] 20Hz - 20kHz</b>	<100dB [110dB typ.]			
<b>Damping factor 1kHz @ 80</b>	>130			
<b>Channel Crosstalk @ 1kHz</b>	>60dB			
<b>Input connectors</b>	Terminal block (Symmetrical)			
<b>Input CMRR/ref. Max. PWR</b>	>55dB			

	NXA 4-80	NXA 6-80	NXA 4-200	NXA 6-200
<b>Signal present indicator</b>	Lit at -40dBV			
<b>Output connectors</b>	Terminal block			
<b>Anticip limiter</b>	Soft / Mid / Hard			
<b>Volume remote control</b>	[0-10VDC] [0.1A max.] 0V = no attenuation / +10V = full attenuation			
<b>Remote control connectors</b>	Terminal block			
<b>Mains</b>	Depending on your country. See characteristics in the back of the unit.			
<b>Power consumption</b>				
[pink noise, 1/8 power @ 4ohm]	107 VA	144 VA	225 VA	312 VA
[pink noise, 1/3 power @ 4ohm]	208 VA	291 VA	489 VA	685 VA
<b>Stand-by mains consumption</b>	<3W			
<b>Panel Dimensions</b>	482.6x88mm			
<b>Depth (Handle excluded)</b>	390mm	390mm	390mm	390mm
<b>Weight</b>	8.6kg	9.65kg	11.1kg	12.9kg

### Key features (continued)

- Front panel POWER and/or LEVEL knobs can be disabled to avoid unwanted manipulation
- Front panel knobs can control one or several inputs volume, or one or several outputs volume
- Device's programmable health self-test mode function, with FAULT RELAY (it allows to detect a device's failure and then activate an external redundancy system)
- Integrated anti-clip system
- 2 units rack height
- Integrated DSP processor. Main features:
  - Each channel has an 'inputs' mixer that allows to get a customized and independent (per channel) mix of all the available input signals
  - VOLUME, MUTE, SOLO, PHASE INVERSION, MAX. VOL limit and MIN.VOL limit controls, per channel
  - LP and HP Crossover filters, up to 4th order, per channel
  - 8 parametric EQ filters bank, per channel
  - Compressor, with THRESHOLD, COMP. RATIO, ATTACK, RELEASE, KNEE and MAKE-UP GAIN parameters, per channel
  - Delay, up to 1,000 milliseconds, per channel
  - DUCKER function: one input can be configured as the highest priority signal, being able to override the audio contents in the desired channels in the unit, when it overpasses the detection threshold. This function is especially useful in evacuation / emergency systems, where a message must be automatically detected and played instead of the program audio
  - 5 preset memories available



### Applications

- Live sound (WiFi management is possible from a PC)
- Centralized, distributed or hybrid fixed installation
- Integration in installation global control systems
- Big Public Address zoned systems
- Installations requiring remote supervision, diagnostic and adjustment via Internet