

### NT2508

2000 Watt 8x8 Network DSP Power Amplifier

- ▶ 8-channel amplifier – 250 watts per channel – 4 ohm and constant voltage models available (70V or 100V)
- ▶ 8-in x 8-out sophisticated matrix mixing makes routing easy

### NT1308

1040 Watt 8x8 Network DSP Power Amplifier

- ▶ 8-channel amplifier – 130 watts per channel – 4 ohm and constant voltage models available (70V or 100V)
- ▶ 8-in x 8-out sophisticated matrix mixing makes routing easy

### NT4004

1600 Watt 4x4 Network DSP Power Amplifier

- ▶ 4-channel amplifier – 400 watts per channel – 4 ohm and constant voltage models available (70V or 100V)
- ▶ 4-in x 4-out sophisticated matrix mixing makes routing easy

### NT2504

1000 Watt 4x4 Network DSP Power Amplifier

- ▶ 4-channel amplifier – 250 watts per channel – 4 ohm and constant voltage models available (70V or 100V)
- ▶ 4-in x 4-out sophisticated matrix mixing makes routing easy

### NT1304

520 Watt 4x4 Network DSP Power Amplifier

- ▶ 4-channel amplifier – 130 watts per channel – 4 ohm and constant voltage models available (70V or 100V)
- ▶ 4-in x 4-out sophisticated matrix mixing makes routing easy

### NT1.2K2

2000 Watt 2x2 Network DSP Power Amplifier

- ▶ 2-channel amplifier – 1000 watts per channel at 4Ω
- ▶ Stereo input and output

### NT5502

1100 Watt 2x2 Network DSP Power Amplifier

- ▶ 2-channel amplifier – 550 watts per channel at 4Ω
- ▶ Stereo input and output



## Overview

Asystems' NT series of Network Power Amplifiers provide intelligent processing and mixing in a compact, modular design all controlled remotely through Windows remote software. All routing and processing is control through a simple and intuitive graphical user interface.

A single NT series network amplifier is equivalent to a complete rack of audio gear in a single unit. To that end, NT amps simplify installation and greatly minimize installation costs.

With numerous internal processes and flexible multi-source mixing, NT series amplifiers can be used alone, or combined with multiple units.

Asystems engineers independently develop unique and versatile signal processors, including 4-band parametric EQs, compressor/limiters and crossovers. These can be freely assigned to input and output mixes through the Asystems remote control software. The remote software also provides constant monitoring of system performance and temperature.

With 2 channel, 4 channel and 8 channel models available at various output wattages, the NT series is versatile. Whether for stadiums, auditoriums, restaurants, houses of worship, boardrooms, courtrooms or performance areas, there's undoubtedly an NT amplifier to suit your needs.

- ▶ Fully-featured DSP processing (see page 2)
- ▶ 10/100MB Ethernet as standard for remote operation
- ▶ Intuitive user interface for Windows operating system
- ▶ 2x2, 4x4 and 8x8 configurations available
- ▶ 4 or 8 line-level inputs through euroblock
- ▶ Speakon outputs on the NT1.2K2 and NT5502
- ▶ NT1.2K2 and NT5502 offer combo and euroblock inputs
- ▶ 24-bit AD/DA converters
- ▶ Optional Dante networking (DT22, DT44 or DT88)
- ▶ Input and output metering viewable through software
- ▶ Password-protected user accounts
- ▶ Complies with FCC, CE, RoHS regulations

## System Specifications

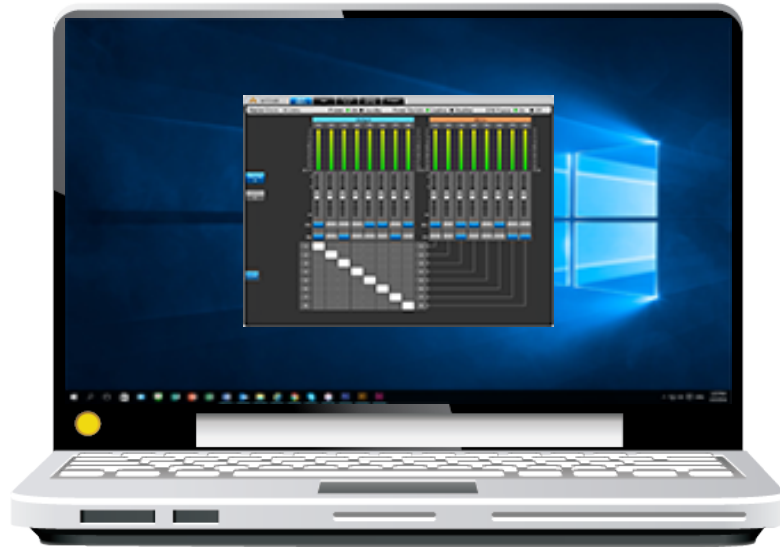
Amp Circuitry	D
Input Sensitivity	1.42 Vrms
Distortion (SMPTE-IM)	<0.02%
Noise (Unweighted 20 Hz - 20 kHz below rated power)	107 dB
Damping Factor	>300 @ 8Ω
Frequency Response	20 Hz-20kHz +-1dB; -3dB: 5Hz-50kHz
Input Impedance	20 kΩ balanced; 10 kΩ Unbalanced
Cooling	Variable Speed Fans - front to rear flow
Indicators	-40dB, -6dB, -3dB, Peak, Bridge (one per 2-channel group), Power, Protection, Power Off
Front Panel	AC power switch & gain controls
Input	Euroblock Connectors
Output	Euroblock Connectors
Power Requirements (Region Dependent)	100 - 120VAC, 220 - 240VAC, 50/60Hz

System Specifications do not relate to NT1.2K2 or NT5502



### DSP Specifications

Function	Parameter	Range
Compressor / Limiter	Threshold	-50 dB to 0dB
	Ratio	1:1 to 20:1
	Attack / Release	1 ms to 8 sec
	Output Gain	0 to 18 dB
Delay	Delay Time (mS)	0.0 to 680.0 ms
	Delay Time (meters)	0.0 to 245.5
	Delay Time (feet)	0.0 to 805.4
	Temperature (C)	0° to 50°
	Temperature (F)	32° to 122°
4-band Equalizer	Type	BPF, Notch, Peak, HPF, High Shelf, Low Shelf
	Gain	-18 dB to +18kHz
	Frequency	20 Hz to 20 KHz
	Q	0.1 to 10
Crossover	HPF/LPF Type	Butterworth 12dB, 18dB, 24dB
	HPF/LPF Frequency	20 Hz to 20kHz



### Remote Software

Each and every one of the signal processors ingrained in the NT series network amplifiers can be controlled using the included Windows software. This software is compatible with Windows XP, Windows Vista, Windows 7, Windows 8.1 and Windows 10.

Installation and setup is simple, where the software simply seeks out your NT amplifier connected to your local area network. Using a pre-determined IP address, you're able to then activate the unit and control it via the software.

A number of function tabs can be found to the top of the software. Each of these can be used to access different routing and setup functions of the NT amplifier's software. The DSP tab will be concerned mainly with setting all the processing for the input and output mixes.

Available functions can all be found to the left of this page. These include comprehensive compressors/limiters, delays, equalizers, and crossovers. Each has a wide array of user-adjustable parameters that can significantly improve the operation of these functions.

Initial setup may be overwhelming considering the sheer number of parameters you have to work with. Thankfully we offer a number of pre-defined programs that can be utilized to help make it easier. In addition to this, any settings you yourself make - and find to be substantially useful - can be saved in your own user-defined scenes.

### Amplifier Specifications

	NT1304	NT1308	NT2504	NT2508	NT4004	NT1.2K2	NT5502
Low Z, Stereo Mode, all channels driven (RMS Power Output Per Channel)							
8Ω, 20Hz-20kHz 1%THD	80W	80W	150W	150W	250W	600W	300W
4Ω, 20Hz-20kHz 1%THD	130W	130W	250W	250W	400W	1000W	550W
Low Z, Bridge Mode, all channels driven (RMS Power Output)							
8Ω, 20Hz-20kHz 1%THD	260W	260W	500W	500W	800W	-	-
Distributed Output (RMS Power Output Per Channel)							
70V, 100V, 20Hz-20kHz 1%THD	130W	130W	250W	250W	400W	-	-
Models Available	4Ω and 8Ω / 70.7V Constant Voltage / 100V Constant Voltage Please consult your sales assistant for information on ordering the model that is best for you NT1.2K2 and NT5502 available in low-impedance version only						