

## NE Series Four-Channel Amplifiers

NE Series specifications

ne4250 | ne4250pe | ne4250.25 | ne4250.25pe | ne4250.70 | ne4250.70pe | ne4250.10 | ne4250.10pe |



Connecting and controlling an amplifier for networked systems has now been simplified with Ashly's NE Series amplifiers. Network Enabled (NE) amplifiers offer ease of use, setup and control using standard 10/100 Ethernet protocol and Protea NE Software. No special outboard control units are needed.

Four, four-channel models with output power at 250W are available to fill a wide variety of low impedance, 25V, 70V and 100V performance installation or constant voltage applications. NE Series amplifiers are offered two ways; standard input with euroblock connectors and "pe" (Protea Enabled) with euroblock input connectors and world renowned Protea DSP signal processing.

The DSP signal processing library is extensive and utilizes two SHARC 32-bit/96kHz processors. Processing blocks include Graphic, Parametric, Notch and Shelving Equalization, High-, Low- and All-Pass Filters (HPF/LPF/APF) with up to 48dB/Octave slopes, Delay, Compressor/Limiter, Gate, Ducking, Auto-leveler, Gain and Signal Generators (sinewave, white and pink noise). A full Matrix Mixer with assignable routing allows any input to drive any or all amplifier outputs. Presets can be used to store and retrieve global parameters of an entire amplifier's control surface and DSP section.

Additionally, each amplifier also provides DC voltage control of the attenuators which makes it a snap to control volume from remote locations, preset recall, Remote Power Standby and data in and out ports for connecting accessories like the WR-5 to control user selected parameters. There are LED indicators for power, standby, protect, network communications and each channel has a four-step signal meter, bridge mono, temperature and current indicators.

Four-channel Mic-pre, AES/EBU, and Cobranet modules will be available as options. Eight-channel NE series amplifiers are also available

### Features:

- Four Channel Amplifier
- Ethernet control is standard
- Low-Z, 25V, 70V and 100V Models
- Extensive DSP Available
- Easy and intuitive user interface
- Extensive protection circuitry
- Safety/Compliance: cTUVus/FCC, CE (pending), RoHS

### Front panel:

- Level attenuators for each channel
- Power switch can be disabled by software
- 4-Step Signal Level and Clip LEDs

### Rear panel:

- 10/100 Ethernet port
- Euroblock inputs
- Euroblock outputs
- Remote level control
- Preset recall
- Remote power turn-on/off
- Data in and out ports

### Watts per channel

Model	8 ohms	4 ohms	25V/70V/100V
ne4250	150	250	NR
ne4250.25	NR	NR	250
ne4250.75	NR	NR	250
ne4250.10	NR	NR	250

### Input Options

Four-channel Mic pre  
AES/EBU  
CobraNet

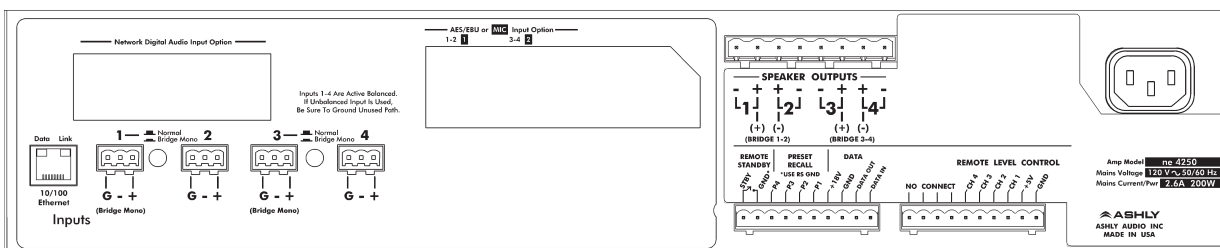
### Accessories

WR-1 2-ch Level Control  
WR-2 Four Position Switch  
WR-5 Programmable Selector  
RD/RW8 8-ch Level Control

ne4250	ne4250.25	ne4250.70	ne4250.10
ne4250pe	ne4250.25pe	ne4250.70pe	ne4250.10pe

Rated Power 8 ohms (per channel)	150W	NR	NR	NR
Rated Power 4 ohms (per channel)	250W	NR	NR	NR
Rated Power 8 ohms (Bridged)	500W	NR	NR	NR
Rated Power 25V, 70V, 100V (per channel)	NR	250W	250W	250W
S/N (20 Hz-20 kHz, unweighted)	>98dB	>98dB	>98dB	>98dB
1/8th Output (Pink Noise)	31.25W	31.25W	31.25W	31.25W
1/8th Draw (Pink Noise)	200W	200W	200W	200W
1/8th Current (Pink Noise)	2.7A	2.7A	2.7A	2.7A
Idle Power (Pink Noise)	30W	30W	30W	30W
Idle Current (Pink Noise)	0.4A	0.4A	0.4A	0.4A
Weight: Net	21.0 lbs. (9.53kg)	21.0 lbs. (9.53kg)	21.0 lbs. (9.53kg)	21.0 lbs. (9.53kg)
Shipping	26.0 lbs. (11.79kg)	26.0 lbs. (11.79kg)	26.0 lbs. (11.79kg)	26.0 lbs. (11.79kg)

Frequency Response (8 ohms)	20 Hz - 20k Hz, (unweighted) ±1dB
Input Impedance	20k ohms, balanced
Input Sensitivity	6.2dBu
Maximum Input Level	+21dBu
Internal HPF (25V, 70V, 100V models)	(controlled by software) 80Hz (12dB/oct), 400Hz (6dB/oct), and OFF
Damping Factor (8 ohms)	> 250
Cooling	Temperature dependent speed-controlled fan (Front in, Side out)
Output Circuitry	Class D
Connectors (each channel)	Input - Euroblock Output - Euroblock
Front Controls	AC Power Switch, Individual input attenuators
Front indicators (LED color)	Power (Blue), Standby (Yellow), Protect (Red), Disable (Yellow), Com (Green), Bridge (Green), Signal Level -18dB, -12dB (Green), -6dB (Yellow), Clip (Red), Temp (Yellow)
Rear Controls	Ethernet 10/100, Channel bridge switch (Low-Z only), Remote standby, Preset recall (4), Remote Level (4), Remote Data
Amplifier and Load Protection	Output Overcurrent, DC Output, Main Supply Rail Overvoltage, Chassis Temperature, Inrush Limiting, Mains Fuse
Cordset	15A Edison 3-Prong IEC
Dimensions	Height: 3.50" (88.9mm) 2RU Width: 19" (483 mm) Depth: 15.5" (394mm)
Environmental	40-120deg. F, (4-49deg. C) noncondensing



Notes:  
 OdBu = 0.775 VRMS  
 Power ratings are per channel at 1% THD+N

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