





NE 1600 NE 1600



NE SERIES

TWO-CHANNEL, NETWORK-ENABLED POWER AMPLIFIERS

Our 2-channel *ne* (*Networked-Enabled*) Series Amplifiers are designed to meet the specifications of the performance installation and constant voltage markets.

The *ne800* delivers 400W per channel @ 4 Ohms and is available in 25V, 70V and 100V models. The *ne1600* is rated at 800W per channel @ 4 Ohms and is available in 70V and 100V models. The largerest amp in this line, the *ne2400*, delivers 1,200W per channel into a 4 Ohm or 70V load; a separate 100V output model is rated at 1,200W.

All models include balanced analog inputs, bridge mono mode, selectable 80Hz hi-pass filter, input sensitivity switch, full Ethernet control using Protea™ ne Software, remote standby for power up, and DC remote level control using an Ashly WR-1 or equivalent. ne Amplifiers are a great value for any install.

ne800, ne1600 & ne2400 Features:

- 10/100 Ethernet comes standard for remote control and monitoring
- Low-Z, 25V, 70V, 100V models
- Optional, Protea DSP (with FIR filter capability), AES3, CobraNet® and Dante®
- DC voltage remote gain control
- Switched-mode power supply, Class-D output
- Stepped, calibrated input attenuators
- Selectable input sensitivity 26dB, 32dB or 1.4V
- Remote power stand-by
- Disable all front panel controls via software
- Temperature sensitive variable speed fan with front-to-back airflow
- Selectable 80Hz HPF
- 4-stage level meters
- Output current and temp indicators
- Safety/Compliance: CE, FCC, RoHS

Front Panel		
Controls		Individual input attenuators, AC Power Switch
Cooling		Temperature dependent speed-controlled fan (Front in, Side out)
LED Indicators: Unit Status		
POWER	Blue	Switch: On, Off
STANDBY	Yellow	Standby, flashing
PROTECT	Red	On, Off
DISABLE	Yellow	Per Channel Pair: On, Off
COM	Green	On, for Ethernet data or Device ID
LED Indicators: Each Channel		
	Red	Clip
SIGNAL LEVEL	Yellow	-6dBu
	Green	-18dBu, -12dBu
BRIDGE	Green	Per Channel Pair
TEMP	Yellow	Per Channel
CURRENT	Green	Per Channel: Proportional to output

Remote Accessories	
WR-1	2-Channel Level Control
WR-1.5	Level Control Only
WR-5*	Programmable Selector
neWR-5*	Programmable Network Remote
FR-8*	8-Channel Network Fader Remote
FR-16*	16-Channel Network Fader Remote
RD/RW-8C*	Serial Data Fader Remote
Ashly Remote*	Remote Control Application for Apple® iPad®

ne Models	ne800	ne1600	ne2400
Continuous Average Power Output: Per Channel, Low Z Models, Stereo Mode, All Channels Driven			
8 Ohms	225W	450W	700W
4 Ohms	400W	800W	1200W
Low Z Output: Bridge Mode, All C	hannels Driv	ven	
8 Ohms	800W	1600W	2400W
25V, 70V, 100V Distributed Outpu	t Models: 20	OHz–20kHz 1	1% THD
25V (per channel)	400W	_	_
70V (per channel)	400W	800W	_
100V (per channel)	400W	800W	1200W
Line Current Draw: 120VAC Mains (divide in half for 230V)			
Standby Mode	200mA	165mA	200mA
No Signal	475mA	500mA	475mA
Typical (1/8 power pink noise)	2.81A	4.95A	6.75A
Maximum (1/3 power pink noise)	4.93A	8.80A	12.6A
Thermal Dissipation: BTU/hr, All Channels Driven			
Standby mode	40	40	40
Idle (no signal)	109	109	109
Typical (1/8 power pink noise)	287	447	682
Maximum (1/3 power pink noise)	297	466	717
Signal to Noise			
20–20k, Unweighted	>107dB	>110dB	>112dB







ne2400pe Rear Panel

NE SERIES TWO-CHANNEL, NETWORK-ENABLED POWER AMPLIFIERS

Specifications	Note: 0dBu = 0.775 VRMS
Frequency Response (8 Ohms)	20Hz–20kHz, (unweighted) ±1dB
Input Impedance	20k Ohms, Balanced
Input Sensitivity	26dB, 32dB or 1.4V
Maximum Input Level	+21dBu
Distortion (8 Ohm load)	(SMPTE) <0.5% typical (THD-N) <0.5% typical
Damping Factor	>250 (8 Ohms, 1kHz)
Output Circuitry	Class D
Amplifier/Load Protection	Output Overcurrent, Main Supply Rail Overvoltage, Chassis Tempera- ture, Inrush Limiting, Mains Fuse
Environmental	40–120° F, (4-49° C) noncondensing

Rear Panel		
Controls	Ethernet 10/100, Bridge switch, Remote standby, Remote Level (2)	
Connectors (each channel)	Input: Euroblock, XLR Output: Euroblock, speakON®	

Power Requirements		
AC Main	120VAC or 240VAC, ±10% 50–60Hz	
Power Cable Connector	15A Edison, 3-Prong IEC	

Weights and Dimensions		
Dimensions	19" W x 3.50" H x 15.5" D (483mm x 394mm x 88.9mm)	
Unit Weight	800: 19.6lbs (8.9kg) 1600: 20.4lbs (9.27kg) 2400: 20.8 lbs (9.45kg)	
Shipping Weight	800: 27 lbs (9kg) 1600: 27 lbs (10kg) 2400: 27 lbs (10kg)	



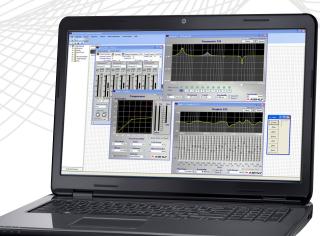


NE 1600 NE 2400

Protea

DIGITAL SIGNAL PROCESSING FOR NE TWO-CHANNEL

Protea is compatible with Microsoft® Windows 8, 7 (Vista/XP) 32 & 64 bit systems.



Audio professionals find our *Protea™ DSP* to be very intuitive and easy to navigate—and you will too. No need to attend a one-week training class away from home to learn our software. Common sense layout of controls and features, on-line help, or a visit to the Technical Support page on our website provides answers to all of your questions.

Protēa™ DSP Specifications		
All DSP functions can be linked to 1 of 16 link groups		
Input Source Selection		
Input Source Select Options	Analog, Auto (Net, AES3, Analog)	
Brick Wall Limiter		
Threshold	-20dBu to +20dBu	
Ratio	Infinite	
Attack	0.2ms/dB to 50 ms/dB	
Release	5ms/dB to 1000ms/dB	
Compressor		
Threshold	-20dBu to +20dBu	
Ratio	1.2:1 to infinite	
Attack	0.2 to 50ms	
Release	5ms/dB to 1000ms/dB	
Detector	Peak/Average	
Attenuation Bus	2 available	
Metering	In, Out, Attenuation, Graphical	
Autoleveler Controls		
Target Level	-40dBu to +20dBu	
Action	Gentle, normal, aggressive, user defined	
Maximum Gain	0dB to +22dB	
Ratio	1.2:1 to 10:1	
Threshold Below Target	-30dB to 0dB	
Gain Increase/Decrease Rate	5ms/dB to 1000ms/dB	
Hold Time	0-6 sec	
Metering	Input, Gain, Attenuation	
Ducking: High/Low Priority, Trigger, Filibuster, Ducked Program		
Trigger Threshold	-80dBu to +20 dBu	
Ducking Release	5ms/dB to 1000ms/dB	
Ducking Depth	0dB to -30dB, -∞	
Enable Ducking at Matrix Mixer	Yes	
Metering	Input	

Threshold -80dBu to +20dBu Range off, 100dB to 0dB Attack 0.2ms/dB to 50 ms/dB Release 5ms/dB to 1000ms/dB Metering Key Signal, Gate LED, Graphical Advanced Gate Controls Key Engage Enable Yes Key Frequency 20Hz to 20kHz Key Bandwidth 0.016 to 3.995 Octave Gain Gain (with/without VCA) -50dB to +12dB, off, polarity invert Digital VCA Groups 4 available neWR-5 Remote Gain 0 to -50dB, Mute EQ: 31-Band Graphic Filter Type Constant Q or Proportional Q Bandwidth 0.499oct to 0.25oct EQ: Parametric 2,4,6, or 10 Band Frequency 20-20kHz Level -30dB to +15dB Q Value 0.016 to 3.995 Octave EQ: Hi/Low Shelf 6/12 dB/oct Frequency 20Hz-20kHz Level -15dB to +15dB EQ: All Pass Frequency 20Hz-20kHz Level -15dB to +15dB EQ: Variable Q HP/LP Frequency 20Hz-20kHz EQ: Variable Q HP/LP Frequency 20Hz-20kHz EQ: Variable Q HP/LP Frequency 20Hz-20kHz Q Value 3.047 to 0.267 EQ: Notch/Bandpass Frequency 20Hz-20kHz Q Value 92.436 to 0.267 Crossover: 2 Way, 3 Way, 4 Way Crossover & High Pass/Low Pass Filters Bessel & Butterworth Filters 12/18/24/48 dB/oct Linkwitz-Riley Filter 12/24/48 dB/oct Frequency Off, 20Hz-20kHz Delay: @ 48kHz Sampling Rate (Input Time, Distance & Temperature) Speaker Delay 0-682ms Delay: @ 96kHz Sampling Rate (Input Time, Distance & Temperature)	Gate		
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Level	EQ: Hi/Low Shelf 6/12 dB/oct		
EQ: All Pass Frequency 20Hz-20kHz EQ: Variable Q HP/LP Frequency 20Hz-20kHz Q Value 3.047 to 0.267 EQ: Notch/Bandpass Frequency 20Hz-20kHz Q Value 92.436 to 0.267 Crossover: 2 Way, 3 Way, 4 Way Crossover & High Pass/Low Pass Filters Bessel & Butterworth Filters 12/18/24/48 dB/oct Linkwitz-Riley Filter 12/24/48 dB/oct Frequency Off, 20Hz-20kHz Delay: @ 48kHz Sampling Rate (Input Time, Distance & Temperature) Speaker Delay 0-682ms Delay: @ 96kHz Sampling Rate (Input Time, Distance & Temperature)	Frequency	20Hz-20kHz	
Frequency 20Hz-20kHz EQ: Variable Q HP/LP Frequency 20Hz-20kHz Q Value 3.047 to 0.267 EQ: Notch/Bandpass Frequency 20Hz-20kHz Q Value 92.436 to 0.267 Crossover: 2 Way, 3 Way, 4 Way Crossover & High Pass/Low Pass Filters Bessel & Butterworth Filters 12/18/24/48 dB/oct Linkwitz-Riley Filter 12/24/48 dB/oct Frequency Off, 20Hz-20kHz Delay: @ 48kHz Sampling Rate (Input Time, Distance & Temperature) Speaker Delay 0-682ms Delay: @ 96kHz Sampling Rate (Input Time, Distance & Temperature)	Level	-15dB to +15dB	
EC: Variable Q HP/LP Frequency 20Hz-20kHz Q Value 3.047 to 0.267 EQ: Notch/Bandpass Frequency 20Hz-20kHz Q Value 92.436 to 0.267 Crossover: 2 Way, 3 Way, 4 Way Crossover & High Pass/Low Pass Filters Bessel & Butterworth Filters 12/18/24/48 dB/oct Linkwitz-Riley Filter 12/24/48 dB/oct Frequency Off, 20Hz-20kHz Delay: @ 48kHz Sampling Rate (Input Time, Distance & Temperature) Speaker Delay 0-21ms Delay 0-682ms Delay: @ 96kHz Sampling Rate (Input Time, Distance & Temperature)			
Frequency 20Hz-20kHz Q Value 3.047 to 0.267 EQ: Notch/Bandpass Frequency 20Hz-20kHz Q Value 92.436 to 0.267 Crossover: 2 Way, 3 Way, 4 Way Crossover & High Pass/Low Pass Filters Bessel & Butterworth Filters 12/18/24/48 dB/oct Linkwitz-Riley Filter 12/24/48 dB/oct Frequency Off, 20Hz-20KHz Delay: @ 48kHz Sampling Rate (Input Time, Distance & Temperature) Speaker Delay 0-21ms Delay: @ 96kHz Sampling Rate (Input Time, Distance & Temperature)	Frequency	20Hz-20kHz	
Q Value 3.047 to 0.267 EQ: Notch/Bandpass Frequency 20Hz-20kHz Q Value 92.436 to 0.267 Crossover: 2 Way, 3 Way, 4 Way Crossover & High Pass/Low Pass Filters Bessel & Butterworth Filters 12/18/24/48 dB/oct Linkwitz-Riley Filter 12/24/48 dB/oct Frequency Off, 20Hz-20KHz Delay: @ 48kHz Sampling Rate (Input Time, Distance & Temperature) Speaker Delay 0-682ms Delay: @ 96kHz Sampling Rate (Input Time, Distance & Temperature)	EQ: Variable Q HP/LP		
EQ: Notch/Bandpass Frequency Q Value 92.436 to 0.267 Crossover: 2 Way, 3 Way, 4 Way Crossover & High Pass/Low Pass Filters Bessel & Butterworth Filters 12/18/24/48 dB/oct Linkwitz-Riley Filter 12/24/48 dB/oct Frequency Off, 20Hz-20KHz Delay: @ 48kHz Sampling Rate (Input Time, Distance & Temperature) Speaker Delay 0-682ms Delay: @ 96kHz Sampling Rate (Input Time, Distance & Temperature)	Frequency	20Hz-20kHz	
Frequency 20Hz-20kHz Q Value 92.436 to 0.267 Crossover: 2 Way, 3 Way, 4 Way Crossover & High Pass/Low Pass Filters Bessel & Butterworth Filters 12/18/24/48 dB/oct Linkwitz-Riley Filter 12/24/48 dB/oct Frequency Off, 20Hz-20KHz Delay: @ 48kHz Sampling Rate (Input Time, Distance & Temperature) Speaker Delay 0-21ms Delay: @ 96kHz Sampling Rate (Input Time, Distance & Temperature)	Q Value	3.047 to 0.267	
Q Value 92.436 to 0.267 Crossover: 2 Way, 3 Way, 4 Way Crossover & High Pass/Low Pass Filters Bessel & Butterworth Filters 12/18/24/48 dB/oct Linkwitz-Riley Filter 12/24/48 dB/oct Frequency Off, 20Hz-20KHz Delay: @ 48kHz Sampling Rate (Input Time, Distance & Temperature) Speaker Delay 0-21ms Delay 0-682ms Delay: @ 96kHz Sampling Rate (Input Time, Distance & Temperature)	EQ: Notch/Bandpass		
Crossover: 2 Way, 3 Way, 4 Way Crossover & High Pass/Low Pass Filters Bessel & Butterworth Filters 12/18/24/48 dB/oct Linkwitz-Riley Filter 12/24/48 dB/oct 12/24/48 dB/oct Frequency Off, 20Hz-20KHz Delay: @ 48kHz Sampling Rate (Input Time, Distance & Temperature) Speaker Delay 0-21ms Delay 0-682ms Delay: @ 96kHz Sampling Rate (Input Time, Distance & Temperature)	Frequency	20Hz-20kHz	
Bessel & Butterworth Filters 12/18/24/48 dB/oct Linkwitz-Riley Filter 12/24/48 dB/oct Frequency Off, 20Hz-20KHz Delay: @ 48kHz Sampling Rate (Input Time, Distance & Temperature) Speaker Delay 0-21ms Delay 0-682ms Delay: @ 96kHz Sampling Rate (Input Time, Distance & Temperature)	Q Value	92.436 to 0.267	
Linkwitz-Riley Filter 12/24/48 dB/oct Frequency Off, 20Hz-20KHz Delay: @ 48kHz Sampling Rate (Input Time, Distance & Temperature) Speaker Delay 0-21ms Delay 0-682ms Delay: @ 96kHz Sampling Rate (Input Time, Distance & Temperature)	Crossover: 2 Way, 3 Way, 4 Way Crossover & High Pass/Low Pass Filters		
Frequency Off, 20Hz-20KHz Delay: @ 48kHz Sampling Rate (Input Time, Distance & Temperature) Speaker Delay 0-21ms Delay 0-682ms Delay: @ 96kHz Sampling Rate (Input Time, Distance & Temperature)	Bessel & Butterworth Filters	12/18/24/48 dB/oct	
Delay: @ 48kHz Sampling Rate (Input Time, Distance & Temperature) Speaker Delay 0-21ms Delay 0-682ms Delay: @ 96kHz Sampling Rate (Input Time, Distance & Temperature)	Linkwitz-Riley Filter	12/24/48 dB/oct	
Speaker Delay 0-21ms Delay 0-682ms Delay: @ 96kHz Sampling Rate (Input Time, Distance & Temperature)	Frequency	Off, 20Hz-20KHz	
Delay 0-682ms Delay: @ 96kHz Sampling Rate (Input Time, Distance & Temperature)	Delay: @ 48kHz Sampling Rate	(Input Time, Distance & Temperature)	
Delay: @ 96kHz Sampling Rate (Input Time, Distance & Temperature)	Speaker Delay	0-21ms	
	Delay	0-682ms	
	Delay: @ 96kHz Sampling Rate	(Input Time, Distance & Temperature)	
Speaker Delay 0-10.6ms	Speaker Delay	0-10.6ms	
Delay 0-341ms	Delay	0-341ms	

Audia Matarina Taal		
Audio Metering Tool		
Range	-60dBu to +20dBu	
Increments	1dB	
Peak Hold Indicator	Yes	
Signal Generator Tool: Pink noise, White noise, Sine wave		
Signal Level	Off, -50dBu to +20dBu	
Sine Wave Frequency	20Hz-12kHz	
Matrix Mixer		
Gain (0.5dB increments)	Off., -50 to +12dB	
Mute	Per channel	
Enable Ducking at Mixer	Yes	
Ducking LED	Per channel if enabled	
Metering	Level, auto-mixer level	
Processors		
Input A/D, Output D/A	24 bit	
DSP Processors	32-bit floating point	
Sample Rates	48kHz, 96kHz	
Propagation Delay @ 48kHz:	1.42ms	
Propagation Delay @ 96kHz:	0.71ms	





ARCHITECT & ENGINEERING SPECS

ne800

The two-channel power amplifier shall deliver a minimum power of 225 Watts RMS per channel into 8 Ohms loads and 400 Watts RMS per channel into 4 Ohms loads with both channels operating. When switched into bridged-mono mode, the amplifier shall deliver at least 800 Watts RMS into an 8 Ohms load. The power amplifier shall include XLR and Euroblock input connectors and Speakon plus Euroblock output connectors. It shall have balanced analog inputs and a selectable 80Hz high-pass filter. The power amplifier shall have a 26db/32db/1.4V input sensitivity switch, remote standby for power up, and DC remote level control. It shall have Ethernet control and monitoring of power functions, level, mute, polarity, and swept-sinewave speaker load analysis. It shall have balanced and buffered analog aux outputs on XLR and Euroblock connectors. Frequency response shall be 20Hz to 20kHz + 1.0dB. Signal-to-Noise shall be greater than 107dB unweighted and SMPTE intermodulation distortion shall be less than 0.5% into an 8 Ohms load, 10dB below rated output. The front panel shall provide the status of power, standby, protect, power switch disable, signal level, bridge, over-temperature, over-current, and Ethernet communication. The amplifier shall mount in a standard 19 inch rack using two spaces (3.5. high) and weigh 21 pounds (10kg) or less.

The power amplifier shall be an Ashly model ne800

The power amplifier with a factory installed AES option shall be an Ashly model **ne800d**The power amplifier with a factory installed CobraNet option shall be an Ashly model **ne800c**

ne800 with DSP Option

The two-channel power amplifier shall deliver a minimum power of 225 Watts RMS per channel into 8 Ohms loads and 400 Watts RMS per channel into 4 Ohms loads with both channels operating. When switched into bridged-mono mode, the amplifier shall deliver at least 800 Watts RMS into an 8 Ohms load. The power amplifier shall include XLR and Euroblock input connectors and Speakon plus Euroblock output connectors. It shall have balanced analog inputs and a selectable 80Hz high-pass filter. The power amplifier shall have a 26db/32dB/1.4V input sensitivity switch, remote standby for power up, and DC remote level control. It shall have Ethernet control and monitoring of power functions, level, mute, polarity, and swept-sinewave speaker load analysis. It shall have balanced and buffered analog aux outputs on XLR and Euroblock connectors. Frequency response shall be 20Hz to 20kHz + 1.0dB. Signal-to-Noise shall be greater than 107dB unweighted and SMPTE intermodulation distortion shall be less than 0.5% into an 8 Ohms load, 10dB below rated output. The front panel shall provide the status of power, standby, protect, power switch disable, signal level, bridge, over-temperature, over-current, and Ethernet communication. The power amplifier shall have an internal factory installed digital signal processing (DSP) option controlled using Protea (network enabled) software. Each amplifier input channel shall be configured with pluggable DSP blocks to have its own dynamics control, gain functions, graphic and/or parametric EQ, Hi-pass/Lo-pass filters, time delay, metering, and test signal generator. A mixer section with assignable routing shall allow any input to drive any or all amplifier outputs. Outputs shall have the same DSP functions as inputs, with the addition of a fast, automated crossover setup. Both inputs and outputs shall copy/paste their settings to other channels, or link with one or more other channels to track their settings. Presets shall be used to store and retrieve global parameters of an amplifier's control s

The power amplifier shall be an Ashly model **ne800pe**The power amplifier with a factory installed AES option shall be an Ashly model **ne800ped**The power amplifier with a factory installed CobraNet option shall be an Ashly model **ne800pec**





NE-1600

ARCHITECT & ENGINEERING SPECS

ne1600

The two-channel power amplifier shall deliver a minimum power of 450 Watts RMS per channel into 8 Ohms loads and 800 Watts RMS per channel into 4 Ohms loads with both channels operating. When switched into bridged-mono mode, the amplifier shall deliver at least 1600 Watts RMS into an 8 Ohms load. The power amplifier shall include XLR and Euroblock input connectors and Speakon plus Euroblock output connectors. It shall have balanced analog inputs and a selectable 80Hz high-pass filter. The power amplifier shall have a 26db/32dB/1.4V input sensitivity switch, remote standby for power up, and DC remote level control. It shall have Ethernet control and monitoring of power functions, level, mute, polarity, and swept-sinewave speaker load analysis. It shall have balanced and buffered analog aux outputs on XLR and Euroblock connectors. Frequency response shall be 20Hz to 20kHz + 1.0dB. Signal-to-Noise shall be greater than 107dB from 20Hz to 20kHz, unweighted and SMPTE intermodulation distortion shall be less than 0.5% into an 8 Ohms load, 10dB below rated output. The front panel shall provide the status of power, standby, protect, power switch disable, signal level, bridge, over-temperature, over-current, and Ethernet communication. The amplifier shall mount in a standard 19 inch rack using two spaces (3.5. high) and weigh 21 pounds (10kg) or less.

The power amplifier shall be an Ashly model ne1600

The power amplifier with a factory installed AES option shall be an Ashly model **ne1600d**The power amplifier with a factory installed CobraNet option shall be an Ashly model **ne1600c**

ne1600 with DSP Option

The two-channel power amplifier shall deliver a minimum power of 450 Watts RMS per channel into 8 Ohms loads and 800 Watts RMS per channel into 4 Ohms loads with both channels operating. When switched into bridged-mono mode, the amplifier shall deliver at least 1600 Watts RMS into an 8 Ohms load. The power amplifier shall include XLR and Euroblock input connectors and Speakon plus Euroblock output connectors. It shall have balanced analog inputs and a selectable 80Hz high-pass filter. The power amplifier shall have a 26db/32dB/1.4V input sensitivity switch, remote standby for power up, and DC remote level control. It shall have Ethernet control and monitoring of power functions, level, mute, polarity, and swept-sinewave speaker load analysis. It shall have balanced and buffered analog aux outputs on XLR and Euroblock connectors. Frequency response shall be 20Hz to 20kHz + 1.0dB. Signal-to-Noise shall be greater than 107dB from 20Hz to 20kHz, unweighted and SMPTE intermodulation distortion shall be less than 0.5% into an 8 Ohms load, 10dB below rated output. The front panel shall provide the status of power, standby, protect, power switch disable, signal level, bridge, over-temperature, over-current, and Ethernet communication. The power amplifier shall have an internal factory installed digital signal processing (DSP) option controlled using Protea (network enabled) software. Each amplifier input channel shall be configured with pluggable DSP blocks to have its own dynamics control, gain functions, graphic and/or parametric EQ, Hi-pass/Lo-pass filters, time delay, metering, and test signal generator. A mixer section with assignable routing shall allow any input to drive any or all amplifier outputs. Outputs shall have the same DSP functions as inputs, with the addition of a fast, automated crossover setup. Both inputs and outputs shall control parameters which have been tagged. Up to 35 presets/sub-presets shall be stored within the amplifier, and shall be recalled in real time via Ethernet from a computer usin

The power amplifier shall be an Ashly model **ne1600pe**The power amplifier with a factory installed AES option shall be an Ashly model **ne1600ped**The power amplifier with a factory installed CobraNet option shall be an Ashly model **ne1600pec**





NE-2400

ARCHITECT & ENGINEERING SPECS

ne2400

The two-channel power amplifier shall deliver a minimum power of 700 Watts RMS per channel into 8 Ohms loads and 1200 Watts RMS per channel into 4 Ohms loads with both channels operating. When switched into bridged-mono mode, the amplifier shall deliver at least 2400 Watts RMS into an 8 Ohms load. The power amplifier shall include XLR and Euroblock input connectors and Speakon plus Euroblock output connectors. It shall have balanced analog inputs and a selectable 80Hz high-pass filter. The power amplifier shall have a 26db/32dB/1.4V input sensitivity switch, remote standby for power up, and DC remote level control. It shall have Ethernet control and monitoring of power functions, level, mute, polarity, and swept-sinewave speaker load analysis. It shall have balanced and buffered analog aux outputs on XLR and Euroblock connectors. Frequency response shall be 20Hz to 20kHz + 1.0dB. Signal-to-Noise shall be greater than 107dB from 20Hz to 20kHz, unweighted and SMPTE intermodulation distortion shall be less than 0.5% into an 8 Ohms load, 10dB below rated output. The front panel shall provide the status of power, standby, protect, power switch disable, signal level, bridge, over-temperature, over-current, and Ethernet communication. The amplifier shall mount in a standard 19 inch rack using two spaces (3.5. high) and weigh 21 pounds (10kg) or less.

The power amplifier shall be an Ashly model **ne2400**The power amplifier with a factory installed AES option shall be an Ashly model **ne2400d**The power amplifier with a factory installed CobraNet option shall be an Ashly model **ne2400c**

ne2400 with DSP Option

The two-channel power amplifier shall deliver a minimum power of 700 Watts RMS per channel into 8 Ohms loads and 1200 Watts RMS per channel into 4 Ohms loads with both channels operating. When switched into bridged-mono mode, the amplifier shall deliver at least 2400 Watts RMS into an 8 Ohms load. The power amplifier shall include XLR and Euroblock input connectors and Speakon plus Euroblock output connectors. It shall have balanced analog inputs and a selectable 80Hz high-pass filter. The power amplifier shall have a 26db/32dB/1.4V input sensitivity switch, remote standby for power up, and DC remote level control. It shall have Ethernet control and monitoring of power functions, level, mute, polarity, and swept-sinewave speaker load analysis. It shall have balanced and buffered analog aux outputs on XLR and Euroblock connectors. Frequency response shall be 20Hz to 20kHz + 1.0dB. Signal-to-Noise shall be greater than 107dB from 20Hz to 20kHz, unweighted and SMPTE intermodulation distortion shall be less than 0.5% into an 8 Ohms load, 10dB below rated output. The front panel shall provide the status of power, standby, protect, power switch disable, signal level, bridge, over-temperature, over-current, and Ethernet communication. The power amplifier shall have an internal factory installed digital signal processing (DSP) option controlled using Protea (network enabled) software. Each amplifier input channel shall be configured with pluggable DSP blocks to have its own dynamics control, gain functions, graphic and/or parametric EQ, Hi-pass/Lo-pass filters, time delay, metering, and test signal generator. A mixer section with assignable routing shall allow any input to drive any or all amplifier outputs. Outputs shall have the same DSP functions as inputs, with the addition of a fast, automated crossover setup. Both inputs and outputs shall copy/paste their settings to other channels, or link with one or more other channels to track their settings. Presets shall be used to store and retrieve global parameters of an

The power amplifier shall be an Ashly model **ne2400pe**The power amplifier with a factory installed AES option shall be an Ashly model **ne2400ped**The power amplifier with a factory installed CobraNet option shall be an Ashly model **ne2400pec**

