

# Ashly nXp8004 Network Power Amplifier 4 x 800 Watts/2 Ohms with Protea DSP

	3000 & 1500 Watt Models				800 & 400 Watt Models			
nXp Series	nXp 3.04	nXp 3.02	nXp 1.54	nXp 1.52	nXp 8004	nXp 8002	nXp 4004	nXp 4002
Channels	4	2	4	2	4	2	4	2
<b>'Max Output Power: Measured in Watts, Per Channel, Low-Z Output, All Channels Driven</b>								
2 Ohms	3 000	3 000	1 500	1 500	800	800	400	400
4 Ohms	2 000	2 000	1 500	1 500	800	800	400	400
8 Ohms	1 250	1 250	1 250	1 250	800	800	400	400
<b>'Low I Output: Measured in Watts, Bridge Mode, All Channels Driven</b>								
4 Ohms	6 000	6 000	3 000	3 000	1 600	1 600	800	800
8 Ohms	4 000	4 000	3 000	3 000	1 600	1 600	800	800
<b>*70V, 100V Output: Measured in Watts, All Channels Driven</b>								
70V {per channel}	2 450	2 450	1 500	1 500	800	800	400	400
100V {per channel}	1 250	1 250	1 250	1 250	800	800	400	400
<b>Total Power Draw, Measured in Watts: Total for all Channels</b>								
Sleep Mode	<1	<1	<1	<1	<1	<1	<1	<1
Standby Mode	70	40	70	40	40	25	40	25
Idle (no signal)	100	55	100	55	70	40	70	40
<b>Current Draw: Measured in Amps, Total for all Channels, 120VAC, Divide by 2 for 240V</b>								
Sleep Mode	0,1	0,1	0,1	0,1	0,1	0,1	0,1	0,1
Standby Mode	1,30	0,70	1,30	0,70	0,70	0,38	0,70	0,38
Idle (no signal)	1,85	1,00	1,85	1,00	1,30	0,70	1,30	0,70
<b>Max Current Draw: Measured in Amps, Typical Input, All Channels Driven, Divide by 2 for 240V</b>								
X Max Power @2 Ohms	29,5	14,7	16,0	-	-	-	-	2,6
<b>Thermal Dissipation: BTU/hr, Typical Input, Total for all Channels</b>								
Sleep mode	<3.4	<3.4	<3.4	<3.4	<3.4	<3.4	<3.4	<3.4
Standby mode	238	136	238	136	136	85	136	85
Idle (no signal)	340	187	340	187	238	136	238	136
XMax Power@20hms	2 720	1 360	1 700	850	970	495	595	305

\* Measurements based on CEA-2006/490A, 20mS 1kHz 1% THD+N, 480mS 1kHz -20dB.

Specifications	Notes: OdSu=0.775 VftMS
Voltage Gain	Selectable at 26dB, 32dB, 38dB, or 1.4V
Damping Factor	>250 (8 Ohms load <1kHz)
Input High Pass Filter	80Hz 2nd order
Distortion (SMPTE, typical)	<0.5%
Distortion (THD-N, typical)	<0.5% (8 Ohms, 10dB below rated power, 20Hz—20kHz)
Channel Separation	-75dB (dB from full output, 1kHz)
Signal-to-Noise (20Hz-20kHz, unweighted)	>114dB (all 3.0x models) >113dB (all 1.5x models) >108dB (all 800x models) >105dB (all 400x models)
Frequency Response	20Hz-20kHz, +/-0.05dB
Balanced Input Connector	Euroblock 3Jmm, 1/4' TRS & XLR Combo jack
Input Impedance	10k Ohms
Maximum Input Level	+21dBu
Speaker Output Connector	Neutrik* speakON*
Control Network	Compatible w/ standard 100MB Ethernet
AUX Output Connector	Balanced Euroblock 3.5mm
AUX Output Maximum Level	+21dBu
Remote Standby Contact Closure	Euroblock 3.5mm, close contact to GND for standby mode
Preset Recall Contact Closure	Euroblock 3.5mm, close contact to GND for preset 1-4 recall
Data Connection	Euroblock 3.5mm - Gnd, +18V, In, Out
Fault Condition Logic Outputs	Euroblock 3.5mm - 4 available
Remote DC Level Control	Euroblock 3.5mm - Gnd, CV, V+ per input
Attenuators (per channel)	Front panel, software, offset link group, and remote. Fully off=Mute
Amplifier Protection	Inrush current imitation, temperature monitoring, output over-power protection, mains fuses
Cooling	Continuously variable temperature controlled axial fan(s)
Environmental	32-113 deg F, (0-45 deg, C) (noncondensing)
Weights and Dimensions	
Unit Weight	1.54/3.04:28.7lbs (13kg) 1.52/3.02:22.7lbs (10.3kg) 4002/8002:22.2lbs (10.1kg) 4004/8001:25.9lbs

	(11.7kg)
Shipping Weight	1.54/3.04:35.2lbs (16kg) 1.52/3.02:29.2lbs (13.3kg) 4002/8002:28.7lbs (13.1kg) 4004/8001:32.4tos (14.8kg)
Unit Dimensions (all models)	19"W x 3.5"H x 16.84"D (483mm x 89mm x 428mm)
Shipping Dimensions	24.5"W x 22"H x 5.25"D (622mm x 559mm x 133mm)

<b>Power Requirements (@ 50/60Hz)</b>		
Nominal (Automatic Sensing SMPS)	120VAC	240VAC
Operating Range	70-135VAC	140-270VAC
Minimum power-up	85VAC	170VAC
Power Cable Connector	20A powerCON* (32A powerCON* 3.04 model only)	