

Ashly nX8002 Power Amplifier 2 x 800 Watts/2 Ohms

	3000 & 1500 Watt Models				800 & 400 Watt Models			
nX Series	nX 3.04	nX 3.02	nX 1.54	nX 1.52	nX 8004	nX 8002	nX 4004	nX 4002
Channels	4	2	4	2	4	2	4	2
*Max Output Power: Measured in Watts, Per Channel, Low-Z Output, All Channels Driven								
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
*Low I Output: Measured in Watts, Bridge Mode, All Channels Driven								
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
*70V, 100V Output: Measured in Watts, All Channels Driven								
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
Total Power Draw: Measured in Watts, Total for all Channels								
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
Current Draw: Measured in Amps, Total for all Channels, 120VAC, Divide by 2 for 240V								
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
Max Current Draw: Measured in Amps, Typical Input, AD Channels Driven, Divide by 2 for 240V								
XMax Power@20hms	29,5	14,7	16,0	8,0	8,8	4,6	5,0	2,6
Thermal Dissipation: BTU/hr, Typical Input, Total for oH Channels								
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: OdBu=0.775 VRMS
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, IOdB below rated power, 20Hz—20kHz)
Channel Separation	•75dB (dB from full output, 1kHz)
Signal to Noise (20Hz-20kHz, unweighted)	>114dB (all 3.0x models) >111dB (all 1.5x models) >108dB (all 800x models) >105dB (all 400x models)
Frequency Response	20Hz—20kHz, +/-0.05dB
Balanced Input Connector	Euroblock 3.5mm, 1/4" TRS and XLR Combo jack
Input Impedance	10k Ohms
Maximum Input Level	+21dBu
Speaker Output Connector	Neutrik® speakON*
Remote DC Level Control	Euroblock 3.5mm - Gnd, CV, V+ per input
Attenuators (per channel)	Front panel and remote. Fully off=Mute
Amplifier Protection	Inrush current limitation, temperature monitoring, output over-power protection, mains fuses
Airflow	In through sides, Out through front
Cooling	Continuously variable temperature controlled axial fan(s)
Environmental	32-113 deg F, (0-45 deg, C) (noncondensing)
Front Panel LED Indicators	
White LED	
POWER	Switch: On, Off, Standby (flashing)
Red LED	
CLIP/MUTE	Per Channel: Clip @ IdB below full output / Mute
PROTECT	On (fault condition or shut down), Off
Green LED	
SIGNAL	Per Channel: -18dB below rated output

BRIDGE	Per Channel Pair: On, Off
COM	On, for Ethernet data or Device ID
CURRENT	Per Channel: Proportional to output
Yellow LED	
TEMP	Per Channel: On dim at 90% max operating temperature, full bright + protect at 100%
SLEEP	On, amplifier is asleep from audio inactivity
DISABLE	On, power switch & front panel attenuators are disabled
Weights and Dimensions	
Unit Weight	1.54/3.04:28lbs (12.7kg) 1.52/3.02:22lbs (10kg) 4002/8002:21.5lbs (9.75kg) 4004/8004:25.2lbs (11.4kg)
Shipping Weight	1.54/3.04:34lbs (15.5kg) 1.52/3.02:28lbs (12.8kg) 4002/8002:27.6lbs (12.5kg) 4004/8004:31.3lbs (14.2kg)
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)

Power Requirements (@ 50/60Hz)		
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)	