

## Ashly nXp1502 2 x 150 Watts/2 Ohms Network Power Amplifier with Protea DSP

nXp Series	nXp 1504	nXp 1502	nXp 754	nXp 752
Channels	4	2	4	2
<b>*Max Output Power: Measured in Watts Per Channel, Low Impedance Output Mode, All Channels Driven at Rated Load</b>				
2 Ohms	150	150	75	75
4 Ohms	150	150	75	75
8 Ohms	150	150	75	75
<b>*Low Impedance Output Mode, Bridged Output: Measured in Watts, All Channels Driven at Rated Load</b>				
4 Ohms	300	300	150	150
8 Ohms	300	300	150	150
<b>*25V, 70V, 100V Constant Voltage Output Mode: Measured in Watts, All Channels Driven at Rated Load</b>				
25V (per channel)	150	150	75	75
70V (per channel)	150	150	75	75
100V (per channel)	150	150	75	75
<b>Total AC Mains Power Draw: Measured in Watts, Typical input, all channels driven, 120VAC</b>				
Sleep Mode	<1	<1	<1	<1
Standby Mode	25	15	25	15
Idle (no signal)	53	33	53	33
1/6 Max Power @ 2 Ohms	230	133	142	82
<b>Current Draw: Measured in Amps, Typical Input, Total for all Channels, 120VAC, Divide by 2 for 240VAC</b>				
Sleep Mode	94mA	94mA	94mA	94mA
Standby Mode	0.27	0,2	0,27	0,2
Idle (no input signal)	0.50	0,35	0,50	0,35
1/6 Max Power @ 2 Ohms	2,2	1.16	1.24	0,76
<b>Thermal Dissipation: BTU/hr, Typical Input, Total for all Channels</b>				
Sleep mode	2,14	2,14	2,14	2,14
Standby mode	86,4	51	86,4	51
Idle (no input signal)	180	112	180	112
1/6 Max Power @ 2 Ohms	505	325	355	215

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

**Note:** When making a true comparison of energy efficiency, one must look at the Thermal Dissipation (BTU/hr) numbers for a product. All other efficiency, i.e. "percentage" numbers are not standards based, and therefore may be marketing hype. Ashly Audio builds highly efficient Class-D amplification with SMPS that will equal or surpass the competition on BTU/hr thermal output (unused energy given off as heat). Please check our published BTU/hr specifications for more information.

<b>Specifications</b> Notes: 0dBu = 0.775 VRMS	
Voltage Gain	Selectable at 26dB, 32dB, 38dB, or 1.4V
Damping Factor	>250 (8 Ohm 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 (unweighted) 20Hz-20kHz, Gain@26dB	>99dB (all 150x models) >96dB (all 75x models)
Frequency Response	20Hz-20kHz, +/-0.05dB
Balanced Input Connector	Euroblock 3.5mm
Input Impedance	10k Ohms
Maximum Input Level	+21dBu
Speaker Output Connector	Euroblock 7.62mm
Control Network	RJ-45 connector, 100MB Ethernet
AUX Output Connector	Balanced Euroblock 3.5mm

AUX Output Maximum Level	+21dBu
Remote Standby Contact Closure	Euroblock 3.5mm, close contact pin to ground (G) for standby mode
Preset Recall Contact Closure	Euroblock 3.5mm, close contact to ground (G) for preset 1-4 recall
Data Connection	Euroblock 3.5mm - Gnd, +18V, Data Out, Data In
Fault Condition Logic Outputs	Euroblock 3.5mm - fault indicated by loss of 1Hz "heartbeat" pulse signal
Remote DC Level Control	Euroblock 3.5mm - Gnd, CV, V+ per input
Attenuators (per channel)	Rear panel, Fully off = Mute
Amplifier Protection	Shorted output power limiting, over-temperature, DC-output, power-supply fault, mains-fuses & inrush-current limiting
Cooling	Continuously variable temperature controlled fan
Environmental	32°F-120°F, (0°C-49°C) non-condensing
<b>Weights and Dimensions</b>	
Unit Dimensions	19"W x 1.75"H x 14.54"D (483mm x 45mm x 369mm)
Shipping Dimensions	25.2"W x 2.5"H x 19.5"D (641mm x 64mm x 495mm)
Unit Weight	1504/754 13.1lbs (5.9kg), 1502/752 12.1lbs (5.5kg)
Shipping Weight	1504/754 16.0lbs (7.3kg), 1502/752 15.0lbs (6.8kg)
<b>Front Panel LED Indicators</b>	
POWER (white)	Switch: On, Off, Standby (flashing)
PROTECT (red)	On (fault condition or shut down), Of
SLEEP (blue)	On, amplifier is asleep from audio inactivity
DISABLE (yellow)	On, power switch & attenuators are disabled
COM (green)	On, for Ethernet data or Device ID
<b>Per Channel</b>	
CLIP/MUTE (red)	Clip @ 1dB below rated output / Mute
SIGNAL (green)	-18dB below rated output
CURRENT (green)	Brightness is proportional to output current
TEMP(yelue)	On dim at 90% max operating temperature, On full bright + protect at 100%
BRIDGE (green)	Per Channel Pair, On, Of
<b>Power Requirements (50 - 60Hz)</b>	
Nominal Voltage Input	100 - 240VAC
Operating Range	70 - 270VAC
Minimum power-up	70VAC
Power Supply Type	SMPS with active PFC (Power Factor Correction)
AC Mains Line Cord Connector	Detachable Nema 5-15 for USA (May vary for export)