

Ashly nXp752 2 x 75 Watts/2 Ohms Network Power Amplifier with Protea DSP

nXp Series	nXp 1504	nXp 1502	nXp 754	nXp 752
Channels	4	2	4	2
*Max Output Power: Measured in Watts Per Channel, Low Impedance Output Mode, All Channels Driven at Rated Load				
2 Ohms	150	150	75	75
4 Ohms	150	150	75	75
8 Ohms	150	150	75	75
*Low Impedance Output Mode, Bridged Output: Measured in Watts, All Channels Driven at Rated Load				
4 Ohms	300	300	150	150
8 Ohms	300	300	150	150
*25V, 70V, 100V Constant Voltage Output Mode: Measured in Watts, All Channels Driven at Rated Load				
25V (per channel)	150	150	75	75
70V (per channel)	150	150	75	75
100V (per channel)	150	150	75	75
Total AC Mains Power Draw: Measured in Watts, Typical input, all channels driven, 120VAC				
Sleep Mode	<1	<1	<1	<1
Standby Mode	25	15	25	15
Idle (no signal)	53	33	53	33
⅓ Max Power @ 2 Ohms	230	133	142	82
Current Draw: Measured in Amps, Typical Input, Total for all Channels, 120VAC, Divide by 2 for 240VAC				
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
⅓ Max Power @ 2 Ohms	2,2	1.16	1.24	0,76
Thermal Dissipation: BTU/hr, Typical Input, Total for all Channels				
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
⅓ 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.

Specifications 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
Weights and Dimensions	
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)
Front Panel LED Indicators	
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
Per Channel	
CLIP/MUTE (red)	Clip @ 1dB below rated output / Mute
SIGNAL (green)	-18dB below rated output
CURRENT (green)	Brightness is proportional to output current
TEMP(yelow)	On dim at 90% max operating temperature, On full bright + protect at 100%
BRIDGE (green)	Per Channel Pair, On, Of
Power Requirements (50 - 60Hz)	
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)