

LET'S GO ON AN

EcoTour™ ...



With Uncompromised Efficiency

Our first new Front of House/Performance Install amplifier line in more than 10 years!

Ashly has redefined what a Performance amplifier can be.

EcoTour™ Series

High-Efficiency Power Amplifiers

Our first new Front of House/ Performance Install amplifier line in more than 10 years! Ashly has redefined what a Performance amplifier can be. Our super high-efficiency design means that you can run at full power all day and night long even up to a true 120 degrees F ambient temperature. The Eco-friendly design also means the smallest carbon footprint available. Finally, the design is so robust that it's stable down to 0.2 ohms! (Not a misprint!). So, if you can get everything you want from one amplifier line and be Eco-friendly, why wouldn't you go on an EcoTour?

- 2 and 4-channel models
- 500 to 1500W @4Ω
- Full power at 2 ohms, stable down to 0.2 ohms
- 70/100V capability
- Ultra-high efficiency Class D design
- DPFC (Dynamic Power Factor Correction)
- Selectable amp gain per channel
- Adjustable front panel Input Gain per channel with lock-out
- Bi-lateral SailFlow cooling
- XLR / 1/4 in combo jack and Neutrik speakON jacks



EcoTour™ 1500.4



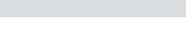
Four Channel Rear



EcoTour™ 500.2



Two Channel Rear

EcoTour™ Series Model	Chs	2Ω	4Ω 8Ω	8Ω bridged	Constant Voltage
 500.2	2	500W	500W 250W	1000W	1000W bridged 70V
 1000.2	2	1000W	1000W 500W	2000W	1000W 70V 2000W 100V bridged
 1500.2	2	1500W	1500W 750W	3000W	1500W 70V 3000W 100V bridged
 500.4	4	500W	500W 250W	1000W	1000W bridged 70V
 1000.4	4	1000W	1000W 500W	2000W	1000W 70V 2000W 100V bridged
 1500.4	4	1500 W	1500W 750W	3000W	1500W 70V 3000W 100V bridged

- Switchable HPF and Clip Limiter per channel
- Solid metal front panel
- 5-year Warranty



US toll-free +1.585.872.0010
 Fax +1.585.872.0739
 Sales@Ashly.com • Ashly.com



General Power Amplifier Specifications (OdBu = 0.775V rms)						
Amplifier Model	1500.4	1500.2	1000.4	1000.2	500.4	500.2
Maximum Output Power - in Watts						
CEA-2006/490A, 20ms 1kHz 1%THD+N, 480ms 1kHz -20dB, 120VAC, all channels driven at rated load						
Low Z output, per channel						
2 Ohm	1500	1500	1000	1000	500	500
4 Ohm	1500	1500	1000	1000	500	500
8 Ohm	750	750	500	500	250	250
Low Z output, per bridged channel pair*						
4 Ohm	3000*	3000*	2000*	2000*	1000*	1000*
8 Ohm	1500*	1500*	1000*	1000*	500	500
70V/100V* output						
70V	1500 (direct)	1500 (direct)	1000 (direct)	1000 (direct)	1000* (bridged)	1000* (bridged)
100V	3000* (bridged)	3000* (bridged)	2000* (bridged)	2000* (bridged)	1000* (bridged)	1000* (bridged)
*May require Class 3 speaker wiring, all others use Class 2 wiring. See section 2.3						
Total Power Draw - in Watts, all channels driven, 1/8 power sinewave						
Standby	22	13	19	10	17	8
Idle (no signal)	100	31	70	40	34	17
1/8 max power	975	485	675	335	345	172
Total Current Draw - in Amps, all channels driven, 1/8 power sinewave, 120VAC (divide by 2 for 240VAC)						
Standby mode	0.39	0.24	0.37	0.21	0.35	0.2
Idle (no signal)	0.68	0.36	0.64	0.34	0.5	0.27
1/8 max power	8.9	4.2	6	3	3	1.5
Total Thermal Dissipation - in BTU/hour with typical input, all channels driven, 120VAC						
Standby mode	76	44	65	32	57	28
Idle (no signal)	209	105	184	96	115	57
1/8 max power, 4 Ohm	648	314	474	229	266	120
1/8 max power, 2 Ohm	754	355	576	269	304	148
Input Sensitivity - in Volts and dBu, per back panel DIP Switch gain settings						
@26dB gain	2.0V (+8.2dBu)	2.0V (+8.2dBu)	2.7V (+11dBu)	2.7V (+11dBu)	3.9V (+14dBu)	3.9V (+14dBu)
@32dB gain	1.0V (+2.2dBu)	1.0V (+2.2dBu)	1.4V (+5.1dBu)	1.4V (+5.1dBu)	1.9V (+7.8dBu)	1.9V (+7.8dBu)
@38dB gain	0.5V (+3.8dBu)	0.5V (+3.8dBu)	0.68V (-1.1dBu)	0.68V (-1.1dBu)	0.97V (+2dBu)	0.97V (+2dBu)
@1.4V gain	1.4V (+5.1dBu)	1.4V (+5.1dBu)	1.4V (+5.1dBu)	1.4V (+5.1dBu)	1.4V (+5.1dBu)	1.4V (+5.1dBu)

Electronic	
Distortion (SMPTE, typical)	<0.5%
Distortion (THD-N, typical, 8 Ohm, 10dB below rated power, 20Hz-20kHz)	<0.5%
Signal to Noise, 26dB input sensitivity, 20Hz-20kHz, unweighted	>98dB (50x models) >101dB (1.0x models) >103dB (1.5x models)
Frequency Response	20Hz-20kHz, ±0.05dB
Channel Separation (dB from full output, 1kHz)	-75dB
Damping Factor (8 Ohm load, <1kHz)	>250
Balanced Input Connector (per channel)	Euroblock (3.5mm), ¼" TRS and XLR Combo jack
Input Impedance	10k Ohm
Maximum Input Level	+21dBu

Bridge Mode Switch (per channel pair)	In for bridged mode, Out for stereo
Remote DC Level Control (G, CV, V+ per channel)	Euroblock (3.5mm), V+ is fully on, G is fully attenuated
DIP Switch settings (per channel)	
Switches 1-2: Input Gain	26dB, 32dB, 38dB, 1.4V
Switch 3: Output Clip Limiter	On, Off
Switch 4: Input High Pass Filter	80Hz 2nd order HPF, On, Off
DIP Switch settings (global)	
Switch 5: Front Panel Disable	On, Off
Speaker Output Connector	Neutrik speakON
Front Panel Indicators	
Power Switch LED (white)	On, Off, Standby (flashing)

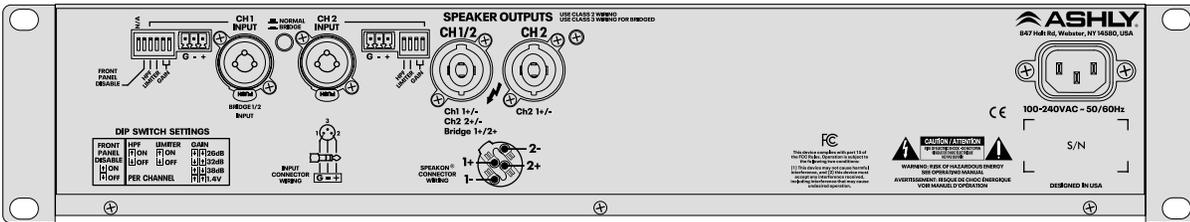
Clip/Mute LED (red)	On at 95% max output (0.5dB below max), Mute
Signal LED (green)	On at 25% max output (12dB below max)
Current LED (green)	On at >2 Amps to speaker load
Temp LED (yellow)	On when thermal counter-measures are being applied
Bridge LED (green)	Per Channel Pair - On, Off
Protect LED (red) see troubleshooting section for protect LED error codes	On for fault condition counter-measures or shutdown, Off
Disable LED (yellow)	On when front panel controls are disabled, Off
Controls	
Attenuators	Per channel: front panel, Fully off = Mute

Remote Control Options	WR-1, WR-1.1 DC level control
Protection and Cooling	
Amplifier Protection	In-rush current, over-temperature, output DC, output over-power, AC mains voltage, mains fuses
Cooling	Continuously variable temperature controlled fan(s)
Physical	
Power Cable Connector	20A IEC

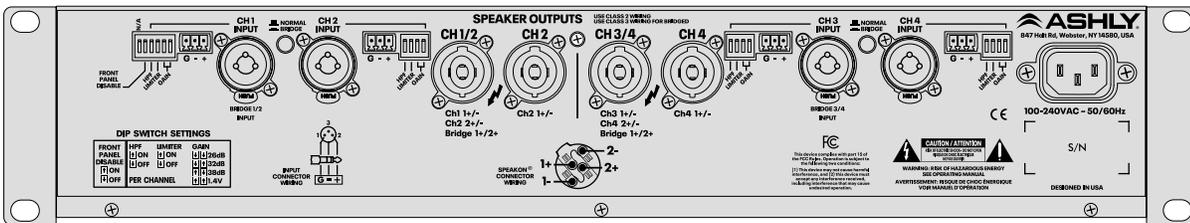
Operating Voltage Range (50-60Hz, 85VAC or 170VAC min startup)	70-135VAC @110-120VAC, 140-270VAC @220-240VAC
Environmental	32°F-120°F, (0°C-49°C) non-condensing
Unit Dimensions (all models)	19"W x 3.5"H x 16.1"D (483 x 89 x 409mm)
Unit Weight by Model	500.2 15lbs (6.81kg) 500.4 17.5lbs (7.95kg) 1000.2 15.5lbs (7.04kg) 1000.4 19.5lbs (8.85kg) 1500.2 16lbs (7.26kg) 1500.4 20lbs (9.08kg)

Shipping Dimensions all models)	21.9"W x 5.43"H x 19.3"D (556mm x 13.8mm x 489mm)
Shipping Weight by Model	500.2 18.5lbs (8.4kg) 500.4 21.5lbs (9.76kg) 1000.2 19.5lbs (8.85kg) 1000.4 24.0lbs (10.9kg) 1500.2 20.0lbs (9.08kg) 1500.4 24lbs (10.9kg)
Safety/Compliance	cTUVus, CE, FCC Class B, RoHS

Physical (continued)



- 2-Ch.
- EcoTour 500.2
- EcoTour 1000.2
- EcoTour 1500.2



- 4-Ch.
- EcoTour 500.4
- EcoTour 1000.4
- EcoTour 1500.4

Notes:

USER MANUAL

SCAN ME

Or download the complete User Manual at <http://ashly.com/>

Ashly Audio, Inc. • 847 Holt Road • Webster, NY
USA • US toll-free + 1.585.872.0010
Fax + 1.585.872.0739 • Sales@Ashly.com