



PE-Series Amplifiers

PE-Series (Protea Enabled) amplifiers are high-power, high-efficiency, lightweight amplifiers incorporating the latest in power and control technologies. Each amplifier can be controlled and monitored through the built-in Ethernet port using Protea^{NE} Software™. Protea^{NE} gives users access to many features, including: input attenuation, channel mute, channel polarity, input level, output voltage, output current, clipping, temperature, and power on/off.

The 800, 1200, 1800, 2400, 3000 and 3800 range in power from 400 watts to 1900 watts per channel at 4 ohms (20Hz-20kHz, 0.05% THD). All models will drive 2, 4 or 8 ohm loads.

All amplifiers are 2RU, weigh 20 pounds and utilize a state-of-the-art, efficient, high speed switched mode power supply. Additionally, DC voltage control of the input level and remote power on/off are standard features.

Input connections are via XLR-1/4" Neutrik combo connectors and 6-pin Euroblock. XLR male connectors are also provided for looping to additional amplifiers. Output connectors are locking Neutrik Speakon and 4 position screw terminal strip with safety cover. Switches on the rear panel include a selectable HPF (Out, 30Hz and 50Hz), Clip Limiter (Off, Slow, and Fast), Input Ground Lift, Gain (26dB, 32dB and 1.4V) and Operation Mode (Stereo, Bridged Mono and Parallel Mono).

Optional 32 bit/96kHz Protea^{NE} DSP cards can be installed as needed. Protea^{NE} DSP cards feature analog and digital (AES/EBU) inputs, and two additional processed output channels to drive additional amplifier channels.

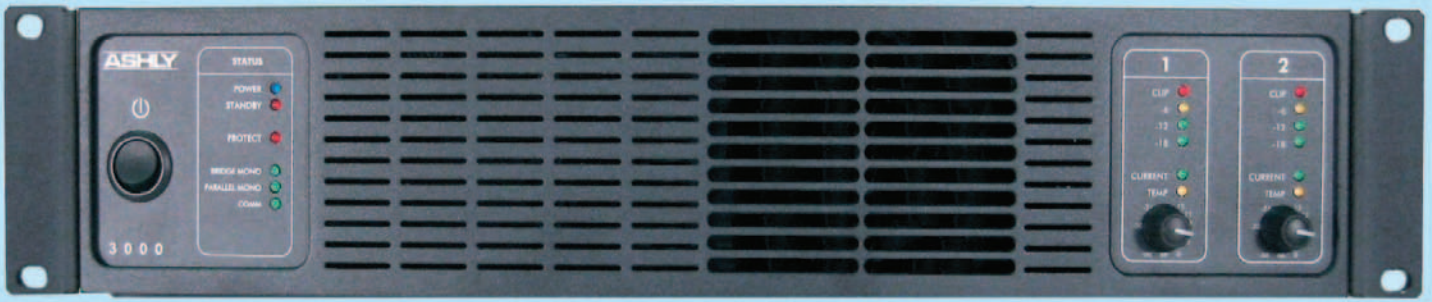
When your next project requires high performance amplifiers with superb sound, reliability, remote control and more, Ashly Audio's PE-Series of remote-controlled power amplifiers have been designed to meet the needs of both portable and installation applications.

POWER RATINGS						
Model	Power - Stereo			Power - Mono Bridged		Power - Parallel-Mono
	8 ohms	4 ohms	2 ohms	8 ohms	4 ohms	2 ohms
3800	1100W	1900W	1500W	3800W	3000W	3800W
3000	900W	1500W	1500W	3000W	3000W	3000W
2400	700W	1200W	1500W	2400W	3000W	2400W
1800	500W	900W	1400W	1800W	2800W	1800W
1200	300W	600W	1100W	1200W	2200W	1300W
800	200W	400W	700W	800W	1400W	800W

Specifications	
Input Gain:	selectable: 26 dB, 32 dB, or 1,4 V input sensitivity
SMPTE (typical):	< 0,02% THD 20 Hz-20 kHz, 8 Ω load 3 dB below rated power THD+N (typ)
Total Harmonic Distortion:	< 0,02% THD 20 Hz-20 kHz, 8 Ω load 3 dB below rated power
Frequency Response:	20 Hz-20 kHz, +/- 0,2 dB / 8 Hz-50 kHz, +0, -3 dB
Damping Factor:	> 400
Input Impedance:	40 k Ω balanced
Fan:	temperature dependent speed-controlled axial fan
Signal To Noise-Ratio:	> 107 dB (unweighted), 20 Hz - 20 kHz, 8 Ω load > 110 dB (A-weighted)
Connectors, Switches and Dimensions:	
Input:	Neutrik Combo XLR & 1/4", 6-pin Euroblock, Link: XLR
Output:	Neutrik Speakon, 4 position screw terminal
Control	RJ-45 for Ethernet control, Euroblock for remote DC voltage level control/remote power on/off
Limiter:	switchable peak-limiter
Ground-Lift:	input ground-lift switch on back panel
Dimensions:	19.0"W x 3.5"H x 13.5"D (483 x 88,9 x 340 mm)
Weight:	20 lbs. (9 kg)
All specification subject to change or improvement without notice. publication date 03/01/05	

Ashly Audio - The Company You Can Depend On

4-Stage Level Meters

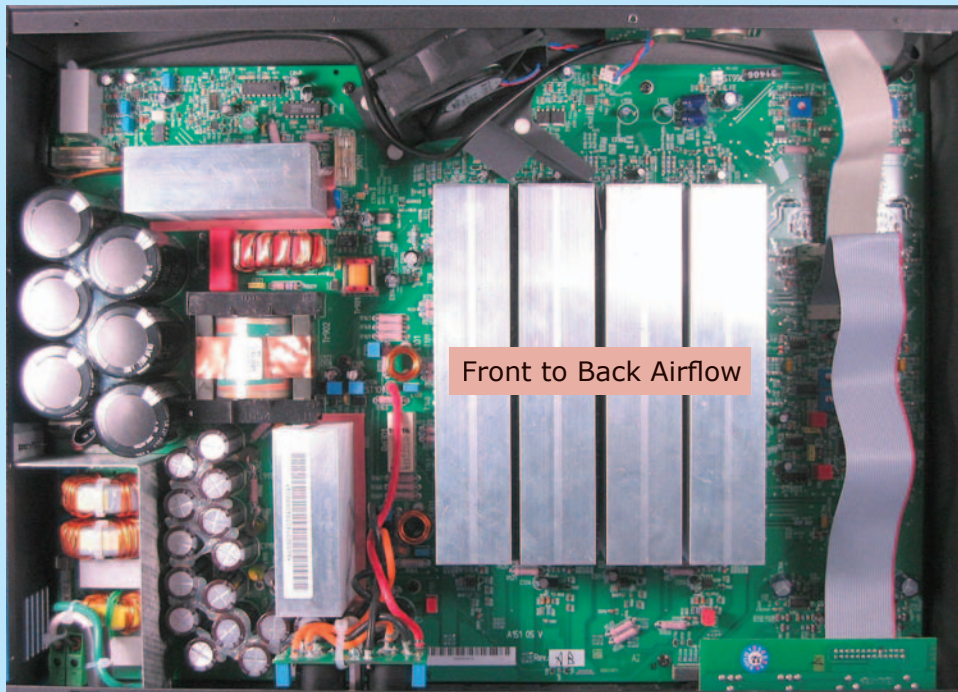


Amplifier Status Indicators: Power, Standby, Bridge Mono, Parallel Mono, Protect and Communications Enabled

Output Current & Temp Indicators

Calibrated, Stepped Input Attenuators

Temperature Sensitive Variable Speed Fan



Mains Fuse Protection

2RU, 20 lbs.

2-Stage High Efficiency Switched Mode Power Supply

Front to Back Airflow

DC Protection

Overvoltage Protection

Ground Lift

Selectable Subsonic Filter

Selectable Clip-Limiter

Input Sensitivity Selector



DC Voltage Control of Input & Remote Power Turn On/Off

Ethernet Remote Control & Monitoring

3 Operation Modes: Stereo, Bridged Mono and Parallel Mono