

## L P S S E R I E S

# LPS SERIES

The LPS Series of power amplifiers from Crown® represents a new era in affordable, quality power amplification. All three models in the series are powerful, rugged and reliable. They are suited for applications such as churches, concert tours, stages, disco, pubs, or any place that requires amplifier installation. The three models in the series are the LPS-800, LPS-1500 and LPS-2500. They are identical except for output power.

Features include XLR inputs, Speakon® and binding post outputs, stereo/parallel/bridge-mono mode, power/fault/signal presence/clip indicators, forced-air cooling; and protection against shorts, no-load, on/off thumps and radio-frequency interference. Every LPS Series amplifier is backed by a one-year limited warranty.

With over six decades of experience designing and building rock-solid products, Crown is the standard in amplifier technology. So check out the affordable Crown LPS Series. They are a powerful argument for quality and value!

For more details about the LPS Series, contact your authorized Crown distributor.

### Specifications

The following applies to units in Stereo mode with 8-ohm loads unless otherwise specified.

#### Performance

**Sensitivity** (for full rated power at 4 ohms): 1.25 V rms.

**Frequency Response** (at 1 watt): 40 Hz - 20 kHz, +0/-3 dB.

**Signal-to-Noise Ratio** (below rated power, 20 Hz to 20 kHz, A-weighted): >100 dB.

**Total Harmonic Distortion (THD)**: < 0.5%, 20 Hz - 20 kHz.

**Intermodulation Distortion (IMD)** (60 Hz and 7 kHz at 4:1 from full rated output to -30 dB): < 0.3%.

**Damping Factor** (8 ohms, 10 Hz - 400 Hz): >300.

**Crosstalk** (below rated power):  
at 1 kHz: -76 dB.  
at 20 kHz: -58 dB.

**Input Impedance** (nominal): 20 kilohms balanced, 10 kilohms unbalanced.

**Output Power**: See power charts.

**Load Impedance**: (Note: safe with all loads).  
4 ohms in stereo mode, 8 ohms in bridge-mono mode.

**AC Line Voltage and Frequency Configurations Available** (±10%): 120VAC/60Hz, 220VAC/50Hz, 240VAC/50Hz.



### Features

- Stereo/parallel/bridge-mono mode
- Efficient forced-air cooling prevents excessive thermal buildup
- Electronically balanced XLR inputs; binding post and Speakon® outputs
- Two level controls, power switch, power LED, and six LEDs which indicate signal presence, clip and fault for each channel
- Protection against shorts, no-load, on/off thumps and radio-frequency interference

### Front Panel Controls and Indicators

**Fault Indicator**: Red LED, one per channel, indicates channel shutdown.

**Clip Indicator**: Red LED, one per channel, flashes when signal is audibly distorting.

**Signal Presence Indicator**: Green LED, one per channel, flashes when input signal exceeds -40 dBu.

**Power Switch**: Push-on, push-off.

**Power Indicator**: Blue LED illuminates when amplifier is on.

**Volume Control**: Sets output level of each channel.

### Back Panel Controls and Connectors

**Reset Button**: Resets the circuit breaker.

**Output Connectors**: One Speakon® per channel connects to loudspeakers. One pair of binding posts per channel connects to loudspeakers; accepts banana plugs or bare wire. (European models do not accept banana plugs.)

**Input Connectors**: Balanced XLR, one per channel.

**Output Mode Switch**: Stereo (dual), Parallel or Bridge.

### Power Charts

<b>LPS-800</b>	*1 kHz Power
4-ohm Stereo (per channel)	<b>300W</b>
8-ohm Stereo (per channel)	<b>150W</b>
8-ohm Bridge-Mono	<b>600W</b>

\*1 kHz Power: refers to guaranteed minimum power in watts at 1 kHz with 0.5% THD.

<b>LPS-1500</b>	*1 kHz Power
4-ohm Stereo (per channel)	<b>400W</b>
8-ohm Stereo (per channel)	<b>250W</b>
8-ohm Bridge-Mono	<b>800W</b>

\*1 kHz Power: refers to guaranteed minimum power in watts at 1 kHz with 0.5% THD.

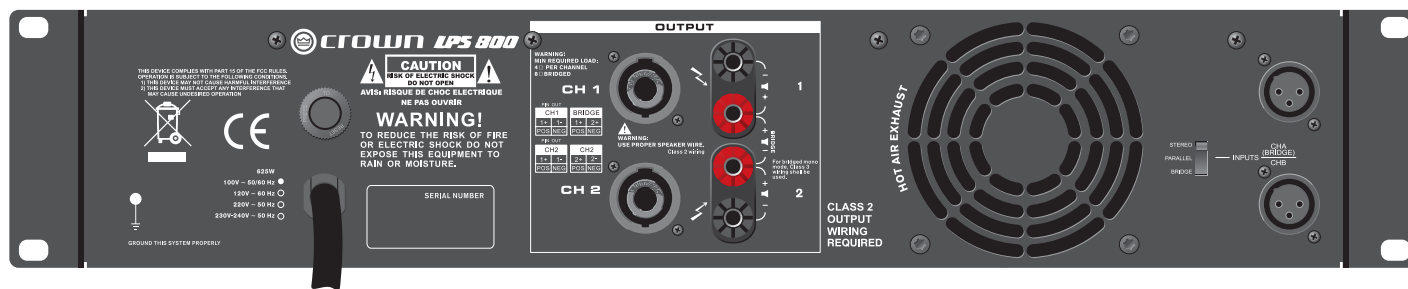
<b>LPS-2500</b>	*1 kHz Power
4-ohm Stereo (per channel)	<b>725W</b>
8-ohm Stereo (per channel)	<b>550W</b>
8-ohm Bridge-Mono	<b>1,450W</b>

\*1 kHz Power: refers to guaranteed minimum power in watts at 1 kHz with 0.5% THD.



# LPS SERIES

## LPS-800 Back Panel



### Protection

LPS Series amplifiers provide extensive protection against short circuits, no-load, on/off thumps, and radio-frequency interference. The amplifiers are stable into reactive or mismatched loads.

### Construction

**Ventilation:** Flow-through ventilation from front to back.

**Cooling:** Internal heat sinks with forced air. Fan cooled, speed regulated, thermal protection.

**Dimensions:** EIA Standard 19 inches (48.3 cm) rack mount wide (EIA RS-310-B), 3.5 inches (8.9 cm) high and 15.2 inches (38.6 cm) deep.

### Weight

	Net	Shipping
LPS-800:	20.9 lb (9.5 kg)	24.0 lb (10.9 kg)
LPS-1500:	22.9 lb (10.4 kg)	26.0 lb (11.8 kg)
LPS-2500:	29.8 lb (13.5 kg)	32.8 lb (14.9 kg)

### Crown's One Year Limited Warranty

Crown International, 1718 West Mishawaka Road, Elkhart, Indiana 46517-4095 U.S.A. warrants to you, the ORIGINAL PURCHASER and ANY SUBSEQUENT OWNER of each NEW Crown LPS amplifier, for a period of one (1) year from the date of purchase by the original purchaser (the "warranty period") that the new Crown product is free of defects in materials and workmanship. We further warrant the new Crown product regardless of the reason for failure, except as excluded in this Warranty.

*Warranty is only valid within the country in which the product was purchased.*

This Crown Warranty is in effect only for failure of a new Crown LPS amplifier which occurred within the Warranty Period. It does not cover any product which has been damaged because of any intentional misuse, accident, negligence, or loss which is covered under any of your insurance contracts. This Crown Warranty also does not extend to the new Crown LPS amplifier if the serial number has been defaced, altered, or removed.

Please contact your authorized Crown distributor for more warranty information.



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