



## HD Amplifiers: All in.

Cutting-edge switching technology delivers the ultimate combination of fidelity and efficiency.



Small is great, of course... but not if power and sound quality are sacrificed. This is why our engineering team focused on achieving world-class fidelity first, and then on making the HD's amazingly powerful, efficient and small. These efforts led to a remarkable switching amplifier technology called Single Cycle Control™, which allows for all of these goals to be achieved.

This exclusive core amplifier technology is mated to our regulated, intelligent power supply (R.I.P.S.), advanced thermal management systems and a full complement of studio-grade processing features to put the all-new HD amplifiers in a performance class all their own.

We invite you to sonically compare the HD amplifiers to any amplifier, at any price. We think you will quickly discover that all the old amplifier compromises are suddenly irrelevant.

- **Stackable chassis design** (via optional HD Stack Kit, sold separately)
- **Security cover for controls**
- **Removable power and speaker plugs**
- **RealSink™ thermal management**



The remarkable R.I.P.S. System™ ensures consistent power delivery over a wide range of battery voltages and load impedances.

### Available Models:

- HD750/1:** Class D Monoblock Full-Range Amplifier  
1 x 750W @ 1.5 - 4 ohms
- HD1200/1:** Class D Monoblock Wide-Range Amplifier  
1 x 1200W @ 1.5 - 4 ohms
- HD600/4:** Class D Four-Channel Full-Range Amplifier  
4 x 150W @ 1.5 - 4 ohms per ch.  
2 x 300W @ 3 - 8 ohms per ch. bridged
- HD900/5:** Class D Five-Channel System Amplifier  
4 x 100W + 1 x 500W @ 4 ohms per ch.  
4 x 75W + 1 x 500W @ 2 ohms per ch.

Power with 11.0 - 14.5V supply voltage at less than 0.05% THD+N (RMS Method)

### Groundbreaking Switching Amplifier Technology: Single Cycle Control™

- Reference-grade sonic capabilities
- Patented Single Cycle Control™ technology corrects output in each and every switching cycle (over 400,000 times per second). This dramatically reduces distortion at high frequencies compared to other full-range switching amplifiers.
- Exceptional efficiency (80% overall at 1/2 power) reduces current draw and heat, permitting reliable high power output within a very small, easy to install design.

### R.I.P.S. (Regulated, Intelligent Power Supply)

- All the power, all the time... tightly regulated, intelligent power supply maintains high power at any impedance from 1.5-4 ohms per channel and at any supply voltage from 11V- 14.5V.
- HD600/4 and HD900/5 offer independent R.I.P.S. optimization for each channel section.

### Studio-Grade Signal Processing

- Select shallow (12dB/octave) or steep (24dB/octave) high or low-pass filters to best integrate with subwoofers or component systems.
- Fully-variable frequency selection from 50-500 Hz with detented, calibrated potentiometer(s)
- Remote level control with HD-RLC controller (sold separately)
- Preamplifier outputs (except HD900/5)
- Infrasonic filter (HD900/5, HD750/1 and HD1200/1 only)
- Output Polarity Switch (HD750/1 and HD1200/1 only)

### Differential-Balanced Inputs

- NO NOISE! Outstanding noise rejection prevents alternator whine and other noises.
- Can accept speaker level signals, including those from factory systems, without a line-output converter.

### Advanced Rollback Protection and RealSink™

- Amplifier will never shut down due to thermal overload.
- Restores full power operation when it has cooled down to safe temperature.
- Real finned heat sink is extremely effective and requires no fans.
- Multiple units can be stacked without compromising cooling effectiveness. Stacking kit is sold separately.

### Remote Level Control (HD-RLC)

With the addition of an HD-RLC, you can control the overall level of the subwoofer channel or the whole amplifier from the front of your vehicle.



### How small and how powerful?

The HD600/4 four-channel delivers twice the power of the much larger 4-channel Slash v2 amp in the background! All HD amplifier models share these tiny dimensions: 10.74 x 8.29 x 1.93 in. (273 x 211 x 49 mm)



Security cover hides and protects controls



Lateral mounting feet create additional mounting flexibility.

\* Patented technology used under exclusive license for mobile audio from PowerPhysics, Inc. - Newport Beach, CA