

## PA Amplifiers

# EUROPOWER

## EPX4000

Professional 4000-Watt Lightweight Stereo Power Amplifier with ATR (Accelerated Transient Response) Technology



- 2 x 2000 Watts into 2 Ohms;  
2 x 1200 Watts into 4 Ohms;  
4000 Watts into 4 Ohms  
(bridge mode)
- ATR (Accelerated Transient Response) technology for ultimate punch and clarity
- Ultra-light, ultra-low noise and ultra-efficient switch-mode power supply for noise-free audio, superior transient response and low power consumption
- Switchable limiters offer maximum output level with reliable overload protection
- Detented gain controls for precise setting and matching of sensitivity
- Precise Power, Signal and Limit LEDs to monitor performance
- XLR, 1/4" TRS and RCA input connectors for compatibility with any source
- Professional speaker connectors and "touch-proof" binding posts support most speaker wiring systems
- Built-in Subwoofer/Satellite crossover for more flexibility
- Independent DC and thermal overload protection on each channel automatically protects amplifier and speakers without shutting down the show
- "Back-to-front" ventilation system including air filter for reliable operation
- "Built-like-a-tank", impact-resistant, all-steel 2U rackmount chassis

The remarkable EPX4000 packs an amazing 4000 Watts of output power into an exceptionally lightweight (22.3 lbs/10.1 kg) package, thanks to our Accelerated Transient Response (ATR) technology. Ample power (2x2000Watts@2 Ohms; 2x1200Watts @ 4 Ohms; 4000 Watts @ 4 Ohms Bridge mode) and high-tech efficiency combine, giving you a feather-light, supercharged workhorse that will keep your rig kicking for years and years to come.



"rails"). One engine runs all the time; the other only runs when musical peaks demand the extra power output. An EPX4000 Class-H amp only generates a fraction more power than is immediately needed, while the output stage operates at its maximum efficiency all the time. And just like in today's hybrid cars, the efficiency of the EPX4000's dual system is far greater than having just one engine (or rail) that has to operate continuously.

### In a Class of its Own

The secret to the EPX4000's incredible power-to-weight ratio is the use of a switch-mode power supply combined with Class-H topology. Because it works on demand, instead of operating continuously at full power, a switch-mode power supply is much more efficient than a traditional power supply. And since it doesn't need the massive transformer and heat sink typically found in a conventional power amp, the switch-mode supply in the EPX4000 is significantly smaller and lighter, yet still delivers massive power.

Think of a Class-H amp as being similar to a car with two engines (in amps, we call them

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- 3-Year Warranty Program\*
- Conceived and designed by  
BEHRINGER Germany

## Accelerated Transient Response Delivers the Knockout Punch

It takes huge pulses of energy (current and voltage) to propel a woofer cone out fast enough to match a bass beat. That's called Transient Response and it's the holy grail of amp design. By carefully selecting transistors with extremely high slew rates and optimizing other proprietary parts of our circuitry, our amps are able to react instantly to even the most demanding electronic bass impulses. If the woofers in your PA system can keep up, your audience will hear a tighter, crisper, more natural sound.

Instead of operating relatively continuously like most power amps, the EPX4000 features rail tracking for effectively modulating the power supply rails with only the peaks of the input signal. This technology has revolutionized pro audio amp designs with its outstanding performance and efficiency. When combined with switching-mode power supplies that do away with heavy toroid transformers, our new designs provide more dynamic punch and, since they are so much more efficient, run cooler and don't require huge, heavy heat sinks.



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## Sublimely Simple Operation

The front panel controls and indicators provide your system's vital signs at a glance. After pressing the Power button, the Power LED lights to show the amp is ready for action. All channels feature positive-detent Gain controls with Signal LEDs that light when a signal is present, as well as Clip LEDs to indicate when the signal is distorted and you need to reduce the input signal.

Just as elegant as the front, the rear panel is home to the balanced XLR, 1/4" TRS, and unbalanced 1/4" TS and RCA connections. Take your pick of professional locking speaker Outputs or touch-proof binding posts to securely connect speakers. The same panel contains the switch that puts the EPX4000 in Mono, Stereo (two channel mode) or mono Bridge mode. A built-in Crossover switch allows you to send low-frequency content to subwoofers and other sound reinforcement speakers (CH1 < 100 Hz / CH2 > 100 Hz or Fullrange). Flick the Limiter On/Off switch to activate the built-in overload protection.

## Sound Value

The remarkable EPX4000 power amp was built for the working musician. It is exceptionally light, packs a massive 4,000 Watts of output power, thanks to our Accelerated Transient Response (ATR) technology and is built rugged enough for life on the road. Plus, the EPX4000's ultra-light price tag will leave cash left over for you to get more stuff to amplify! Check out the EPX4000 at your [BEHRINGER](#) dealer, or order yours online today!



## You Are Covered

We always strive to provide the best possible Customer Experience. Our products are made in our own [MUSIC Group](#) factory using state-of-the-art automation, enhanced production workflows and quality assurance labs with the most sophisticated test equipment available in the world. As a result, we have one of the lowest product failure rates in the industry, and we confidently back it up with a generous [3-Year Warranty program](#).

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