KV2 Audio VHD7000D



KV2 Audio announces the latest addition to its VHD Series with the VHD7000D Subwoofer Amplifier. Expertly engineered to drive all VHD, ES, and SL subwoofer elements, the VHD7000D guarantees uncompromising power and exceptional control, making it the perfect choice for large-scale events. From nightclub installations to touring productions, its advanced setup options allow for effortless integration into any KV2 Audio system.

This universal bass amplifier is fully compatible with third-party subwoofers – a first for KV2. An innovative power management system enables the VHD7000D to deliver short-term power of 7kW, with peak output up to 14kW, while operating at a modest consumption of only 3.6kW from a 16A circuit. The peak output power extends far beyond the capacity of the mains supply and outperforms comparable amplifiers.

A standout is the integrated RMS limiter, which provides long-term protection for loudspeaker components by monitoring average power over time and analysing thermal behaviour to control temperature buildup. This ensures efficient power management, preventing overheating, compression, or driver damage. Pre-configured within the VHD7000D’s factory presets, it maximises SPL output, minimises thermal compression at high temperatures, and maintains natural sound dynamics even during continuous high-output operation, ensuring consistent performance in demanding live and installation environments. Another key feature is the tunable notch filter for resonance suppression. It prevents excessive cone excursion that causes distortion, reduced clarity, and shortened lifespan. Essential for touring or permanent installations, it delivers clear, precise, and impactful audio with a balanced low-frequency response and improved definition across the bass range.

The peak limiter provides additional protection, shielding loudspeakers from

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mechanical damage caused by excessive signal peaks and ensuring the cones remain within their safe range of motion. This feature prevents smaller loudspeakers from being overloaded and guarantees safe, reliable amplifier performance even at the highest volumes. The amplifier also incorporates a high-power switching mode power supply circuit for enhanced power delivery, onboard overdrive protection for reliable performance, and remote configuration capability via KV2’s Control and Diagnostics Tool.

With its groundbreaking power management, advanced protection systems, and precision control features, the VHD7000D subwoofer amplifier sets a new benchmark in low-frequency amplification. Whether driving KV2’s own VHD, ES and SL Series or third-party subwoofers, it delivers unmatched performance, reliability, and clarity. The VHD7000D is more than just an amplifier – it’s a powerful tool for engineers and sound professionals to push the limits of performance and deliver truly unforgettable audio experiences, no matter the scale or environment.

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