

Amate Audio introduces the TPD3K 2.1 processing amplifier

Offering more space-saving power and control in installations



35 years ago Amate Audio introduced its original 'TriPhonic' 2.1 power amplifier design, an integrated L/R and sub solution for small sound installations. More recently the company revived the concept with a Class-D based design – the TPD – incorporating onboard loudspeaker management DSP and proving popular with installers and commercial audio contractors. Now the Barcelona loudspeaker company has extended the application potential of the platform with the launch of a higher power rated iteration of the rack-space, cable saving format.

As the name suggests, the TPD3K provides in excess of 3000 W of combined power, with up to 750 W continuous program power each for the left and right channels, and 2000 W for the sub channel (at 4 Ω). The onboard control DSP offers much of the operational performance advantage of Amate Audio's fully active loudspeaker systems, including remote PC based configuration, a front panel USB port enabling control – and password-lock – of the unit via the company's intuitive DSPLink Windows and MacOS software. Adjustable system parameters include highly accurate filters, parametric EQs, Peak / RMS limiters, and delays enabling time-alignment of amplifier channels.

Additionally, a range of extensively R&D'd system presets enable instant optimum configuration of a range of Amate Audio loudspeaker models in the most common applications.

In the TPD3K these extend to control of some of the larger models in the Nítid series, including the largest N18WP and N218WP subs.

A comprehensive suite of I/Os comprises balanced XLR stereo signal inputs, L/R and sub speaker connectors on both binding posts and Speakon connectors. Three

discretely configurable DSP AUX outputs on balanced XLRs provides DSP control of a second 2.1 amplifier setup within a larger installation.

The universal switched-mode power supply with Active Power Factor Correction, enables the TPD3K to operate with any mains condition between 85 and 240 V AC. Amate Audio's EcoMode operation means that the amplifier automatically goes into standby in the absence of an audio signal and instantly powers-on when a signal is introduced.

"The exceptional utility of the TDP platform was readily appreciated by commercial audio customers," says Head of Sales Jordi Amate, "As a means of rapidly and relatively easily providing a high quality power and control solution for smaller hospitality applications, it is largely unrivalled.

"Demand for a higher power variant has grown consistently and with 50% more power output, the TDP3K will extend the particular efficiencies of this product configuration across a significantly wider range of potential applications."

The TPD3K's power and performance premium comes with no increase in the TPD 2U 19" rack form-factor and – at 9kg – with just 1 kg of additional weight.

www.amateaudio.com