

Presets for K-DSP platform and M50Q HDSP+ETH

The following DSP preset have been created for the K-DSP platform and M Series 4-channel HDSP+ETH, for being used with some of the NEXO® loudspeaker systems. The tonal balance of the loudspeaker and the relative phase response have been carefully optimized in order to match as close as possible the original tonal balance and to preserve the native sound character of the systems. All presets are designed for long throw systems.

Also the phase response at the lowest frequency band has been optimized in order to perform the native interaction with the relative subwoofers.

The K-DSP and M HDSP dual limiter carefully takes under control the output power protecting the loudspeakers both from thermal over-powering and mechanical over-excursion.

The sound reproduction balance together with some of the most relevant advantages of Powersoft amplifiers give to these NEXO® system very good dynamic performances and improved reliability and protection.

M Series presets are optimized for the M50Q HDSP+ETH only. Their use on the M28Q HDSP+ETH is viable, but will result in lower power output.

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Preset Name	K Series DSP
PS15_PASSIVE_WB_vIL	A full range and Wide Bandwidth version (WB) and it drives the Nexo PS15 in PASSIVE mode.
PS15_PASSIVE_Xo_vIL	A full range and "X-Over" version (Xo) and it drives the Nexo PS15 in PASSIVE mode. The frequency response is limited down to the Crossover point with the subwoofer.

Preset Name	M HDSP+ETH Series (4CH)
PS15_PASSIVE_WB_vI_M50L	A full range and Wide Bandwidth version (WB) and it drives the Nexo PS15 in PASSIVE mode.
PS15_PASSIVE_Xo_vI_M50L	A full range and "X-Over" version (Xo) and it drives the Nexo PS15 in PASSIVE mode. The frequency response is limited down to the Crossover point with the subwoofer.