

Marchand Electronics
Press Release
New Product



XM44 Electronic Crossover Network

Available 2-way, 3-way or 4-way.
Steep 24 dB/octave 4-th order slope (Linkwitz-Riley) standard. Up to 48 dB/octave optional.
Asymmetric or symmetric slopes.
Crossover frequency 20Hz - 20 KHz.
Subwoofer summing option.

Heavy duty gold plated RCA connectors for input and output.
No transients during turn-on or turn-off.
Options: Baffle step compensation, notch filters, delay sections.

The XM44 Electronic Crossover Network is a very flexible crossover design that provides individual outputs for 2, 3 or 4 frequency bands on the 2- 3- and 4-way models respectively. The crossover frequency of XM44 Electronic Crossover Network can easily be set by replacing frequency modules. Each frequency module has the capacitors and resistors that set the crossover frequency and slope for that channel. Normal slope is 24 dB/oct, 4th order, constant voltage, but modules for first, 2nd, 3th, 4th, 5th, 6th, 7th and 8th order slopes are also available. When choosing slopes of 24 dB/octave and 48 dB/octave the high-pass and low-pass outputs of the crossover are always in phase with each other (Linkwitz-Riley alignment). Note that the slopes on the low, mid and high channels can be different, so asymmetrical slopes are possible. For example, a 2-way XM44 can easily be set with 6 dB/oct on the high pass and 18 dB/oct on the low pass by choosing appropriate frequency modules. One set of frequency modules is included with the XM44 crossover. Optional plug-in modules are also available for special features like delay, baffle step compensation and notch filter. The XM44 front panel has 2, 4 or 6 calibrated level controls. The level controls are 12 position stepped attenuators with 1 dB steps. This allows for very precise and repeatable setting of the output levels. A sum switch allows the low pass channels to be summed. This is useful when using the XM44 with a common subwoofer. Options for the XM44 include balanced inputs/outputs. Rackmount brackets are also available.

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Electronic materials: XM44pr.pdf and XM44.jpg can be downloaded from www.marchandelec.com/press/press.htm
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