

## Crossovers

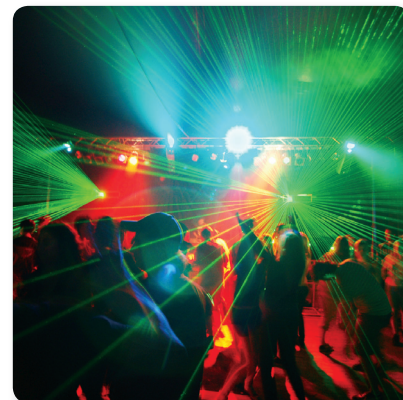
# SUPER-X PRO CX2310

High-Precision Stereo 2-Way/Mono  
3-Way Crossover with Subwoofer Output



- Professional stereo 2-way/mono 3-way crossover featuring state-of-the-art Linkwitz-Riley filters with 24 dB/octave
- Additional subwoofer output with independent Frequency control
- Absolutely flat summed amplitude response, zero phase difference
- Individual output Gain controls for all bands
- Individual output Mute switches for easy band adjustment
- Individual Phase reverse switches for instant phase correction
- Switchable 25 Hz Low cut filter on each input for low-frequency driver protection
- Servo-balanced and gold-plated XLR connectors for all inputs and outputs
- Ultra-high precision potentiometers for ultimate accuracy and repeatability
- Illuminated switches for secure operation in dark stage environments
- Internal switch-mode power supply (100 - 240 V~) for noise-free audio and low power consumption
- 3-Year Warranty Program\*
- Designed and engineered in Germany

The CX2310 stereo 2-way/mono 3-way crossover provides amazing-accurate audio frequency separation, thanks to its state-of-the-art circuitry, superior-grade components, ultra low-noise op amps and balanced I/O connectivity. Additionally, the CX2310 features an independently-adjustable Subwoofer Output, effectively providing an extra low-frequency band a control range from 10 - 235 Hz. By using 1% metal film resistors, along with other extremely tight-tolerance components, the CX2310 is able to guarantee surgically-precise frequency selection with incredibly-low thermal noise. Put simply, the easy-to-use SUPER-X PRO CX2310 is one of the best-sounding crossovers in its class!



## Sound Quality

When a sound system is properly tuned, it becomes powerful, balanced and efficient. Bass content is punchy and tight, with vocals and instruments that are rich, crisp and well defined. The CX2310 crossover's accurate signal processing protects critical loudspeaker components and improves overall system efficiency. All Input and Output connections are balanced/unbalanced XLR and feature 25 Hz Low Cut filters for low-frequency driver protection – plus Mute and Phase Invert switches, making troubleshooting even a large system – virtually effortless! The SUPER-X PRO

CX2310 is one of the most flexible systems of its type, and it's virtually noise free, internal switch-mode power supply makes it ready for use anywhere on the planet.

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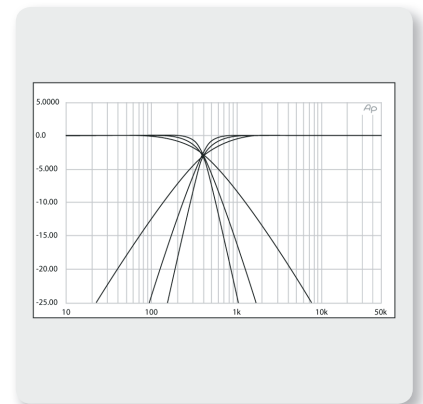
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## What's a Crossover?

Chances are if you're reading this, you already know what a crossover is – and you know that you need one. But if you are new to multi-way PA systems, here's a brief overview. Loudspeakers (which we call transducers) convert electrical signals into sound waves. And no matter how well a transducer is designed or made, it simply cannot reproduce the entire audio spectrum all by itself. Low-frequency sounds tend to push a transducer to the maximum, making it impossible for that same transducer to reproduce the treble content with the sound quality it deserves. (Try singing high falsetto next time you're bench-pressing your limit!)

That's why high-quality sound systems use multiple speakers (woofers and tweeters) to spread out the work. While the woofer (usually the larger transducer) does all the heavy lifting, the tweeter can easily handle the high-frequency content. Three and four-way systems distribute the work even more, allowing the individual transducers to reproduce the frequency range for which they were designed. It is the crossover's function to divide these tasks between the various amplifiers and transducers.



## Divide and Conquer

The CX2310 provides two modes of operation: 2-way stereo, for Left and Right Lows (woofers) and Highs (tweeters); and 3-way mono, for Lows, Mids and Highs. In either mode, there is an additional output provided for a mono Subwoofer, with its own Frequency and Level controls. This extra feature effectively turns the CX2310 into a stereo 2-way + mono 1-way, or a mono 4-way frequency crossover. The Subwoofer Output is presented in mono, since people perceive extremely-low bass frequencies as being omnidirectional. For your convenience, the CX2310's front panel features an elegant and easy-to-read LED matrix, so you can see at a glance which operating mode has been selected – and which controls are currently active.

## Extraordinary Value

The high-precision CX2310 is the super-effective and affordable way to optimize the performance of your sound system – and protect your valuable loudspeaker investment at the same time!

Stop by your authorized [BEHRINGER](#) dealer, or get your SUPER-X PRO CX2310 online today!



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## 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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For service, support or more information contact the BEHRINGER location nearest you:

**Europe**  
**MUSIC Group Services UK**  
Tel: +44 1562 547 100  
Email: CARE@music-group.com

**USA/Canada**  
**MUSIC Group Services NV Inc.**  
Tel: +1 702 963 1300  
Email: CARE@music-group.com

**Japan**  
**MUSIC Group Services JP K.K.**  
Tel: +81 3 5833 9121  
Email: CARE@music-group.com

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