Crossovers

SUPER-X PRO CX3400

High-Precision Stereo 2-Way/3-Way/
Mono 4-Way Crossover with Limiters,
Adjustable Time Delays and
CD Horn Correction



- Professional stereo 2-way/3-way/ mono 4-way crossover featuring state-of-the-art Linkwitz-Riley filters with 24 dB/octave
- Individual Limiters on each output for optimal loudspeaker protection
- Adjustable time delay for phase alignment between drivers
- CD horn equalization for constant directivity horn compensation
- Absolutely flat summed amplitude response, zero phase difference
- "Low Sum" function provides mono output for subwoofer operation
- 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



The CX3400 stereo 2-way/3-way/ mono 4-way crossover provides the ultimate in high-precision audio frequency separation, thanks to its state-of-the-art circuitry, superior-grade components, ultra low-noise op amps and balanced I/O connectivity. CX3400 features include: Limiters on all crossover outputs for optimal loudspeaker protection; an adjustable Time Delay for proper phase-alignment of the drivers; High-Frequency (HF) horn equalization for constant-directivity compensation; and a mono "Low Sum" Output (stereo modes only), which is ideal for your subwoofer applications.



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 CX3400 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 offer Mute and Phase Invert switches, making troubleshooting even a large system – virtually effortless!

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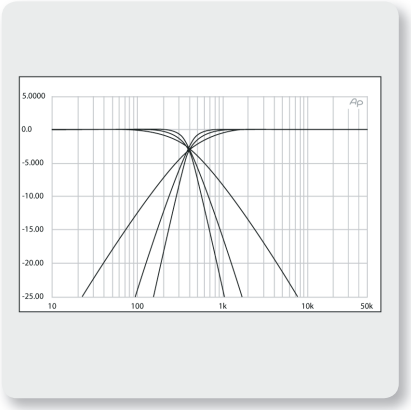
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- Shielded toroidal mains transformer for minimal noise interference
- High-quality components and exceptionally rugged construction ensure long life
- 3-Year Warranty Program*
- Conceived and designed by BEHRINGER Germany

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 CX3400 provides three modes of operation: 2-way stereo, for Left and Right Lows (woofers) and Highs (tweeters); and 3-way stereo, for Left and Right Lows, Mids and Highs; and 4-way mono, for Lows, Low-Mids, High-Mids and Highs. For your convenience, the CX3400'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.

*Warranty details can be found at music-group.com.

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CD Horn Compensation

When a driver radiates into open space via a horn, its efficiency increases. Over the past few years, constant-directivity horns have gained widespread popularity, since they are designed to produce consistent dispersion over their entire frequency range – however, the higher the frequency, the lower the efficiency. To compensate for this, the CX3400 includes a switchable pre-EQ for CD horns that ensures a flat frequency response, even before equalization is applied. This pre-EQ raises the signal gain by 3 dB at 3.5 kHz, which then increases by 6 dB/oct. up to 22.5 kHz.





Low Sum Output

In stereo mode, the CX3400 can be switched to "Mono Bass" mode by pressing the Low Sum button. When this feature is activated, the LF signals in the Left and Right channels are summed together and then routed to the Channel 1 Low Output, where it can be used to drive your active subwoofers, passive subwoofer power amplifiers, or lighting controllers, etc. The Low Sum Output is presented in mono, since people perceive extremely-low bass frequencies as being omnidirectional.

Extraordinary Value

The extraordinary CX3400 is the ideal choice for a wide range of applications, such as loudspeaker systems in small clubs or large halls, improving the sound quality of your on-stage monitor systems – or enhancing your studio monitors' performance by adding a subwoofer. The high-precision CX3400 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 CX3400 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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Year Warranty

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