

2-Way Cinema System

Biplex™ M
15" Two-Way
Screen Channel
Speaker

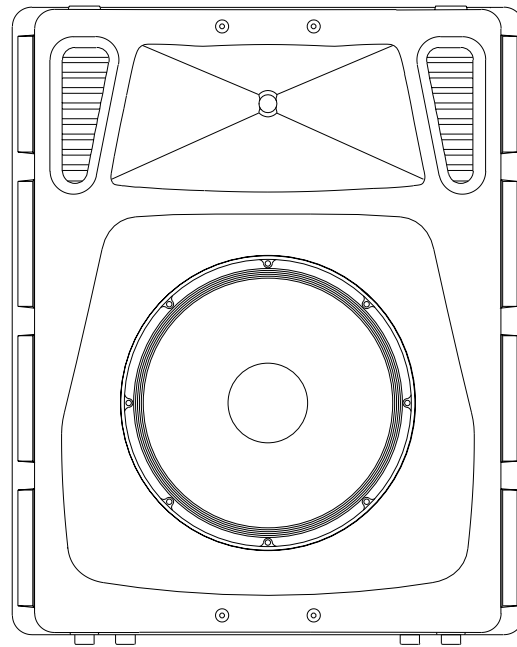


Key Features:

- **Asymmetric Directed Coverage™**
Technology for even coverage and simple installation
- **Very Linear Frequency Response**
- **Digital Dynamic Capable™**, wide dynamic range
- **Compact, Horn-loaded** for better Directivity and Higher Output
- **Full-Range or Biamp Operation**
- **RMD™** for Vocal Clarity

General Description:

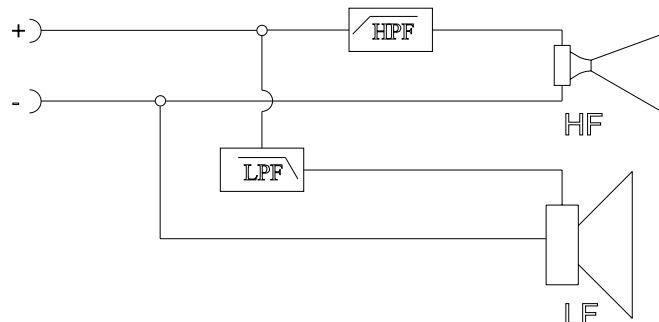
The Electro-Voice Biplex M is designed to provide perfect coverage, wide bandwidth, and extended dynamic range in today's Cinemas. It uses asymmetric directed coverage to uniformly cover every seat in stadium or traditional theaters. This design greatly reduces energy wasted by focusing it on the audience, not walls and ceiling where it can be reflected to degrade clarity. Ring-Mode Decoupling (RMD™) incorporated into the transducers improves system transient detail that further refines system sound quality at all SPLs. The Biplex M's 2-way design allows each frequency range's transducers to be optimized for low distortion, high power handling, and smooth frequency response. A 2-inch diameter compression driver with titanium diaphragm provides natural sound and dialog intelligibility with the reliability required by demanding soundtracks. Careful attention to crossover and waveguide design further enhances coverage and response. Biplex M's asymmetric coverage directs energy for uniform coverage from front to rear, simply placing the aiming axis at the row two thirds from the front provides each seat exceptional sound. The Biplex M provides high performance for all film-sound formats in small to medium size rooms of up to 45,000 cu. ft. (1,274 cu. m) in volume and stage-to-last-row distances of up to 40 ft (12 m). The product line of EV cinema speakers includes subwoofers and surround speakers that provide excellent performance to match the screen system.



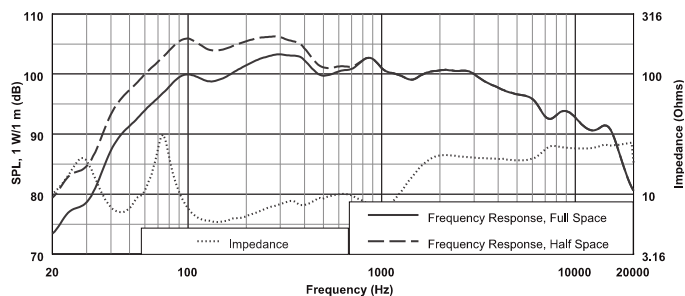
Technical Specifications:

Freq. Range (-10 dB):	50 Hz - 18 kHz
Freq. Response(+/-3dB):	80 Hz - 16 kHz
System Sensitivity:	101 dB
Max calculated SPL:	135 dB
Power Handling:	400W Continuous
Horizontal Coverage:	90°
Vertical Coverage:	60° (+50°, -10°)
Directivity Index (DI):	15
Passive Crossover:	1600 Hz
Biamp Recommended Crossover:	1600 Hz
Input Connectors:	Screw terminal barrier strip
Input Impedance:	8 Ohms
LF Transducer:	1 x EV-15G, 15" Dia.
HF Transducer:	1 x DH2T
Dimensions (H x W x D):	33.1" x 26.5" x 17.6" (841mm x 673mm x 447mm)
Net Weight:	62 lbs (28.1 kg)
Shipping Weight:	69 lbs (31.3 kg)

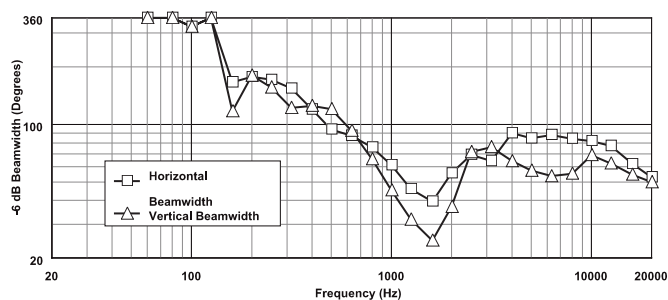
Block Diagram:



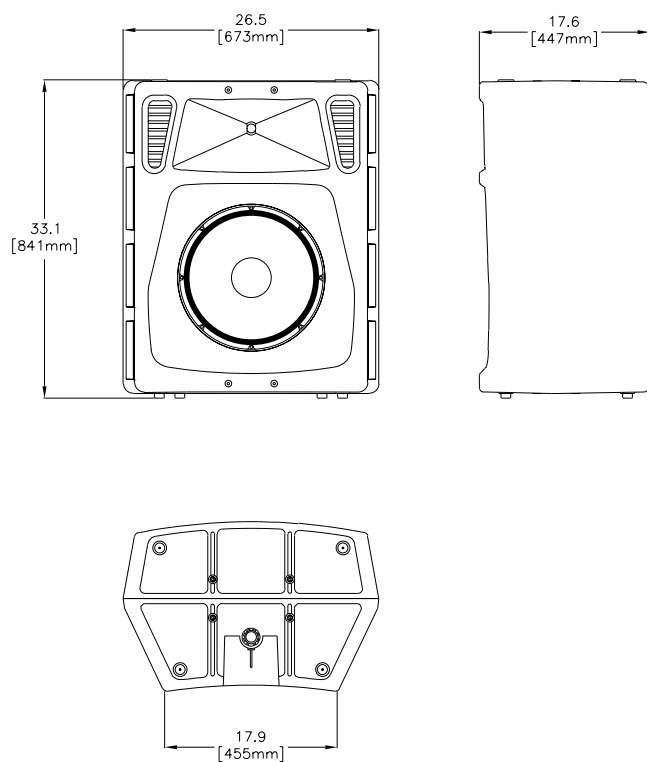
Frequency Response and Impedance:



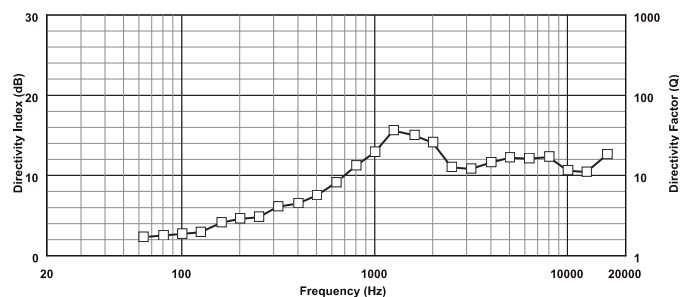
Beamwidth:



Dimension Drawings:



Directivity:



Performance Match:

- Dx38 Digital Processor
- TL440M Subwoofer
- TL880DM Subwoofer
- CPS Series Amplifiers
- SL10-2V Surround Speaker
- SL12-2V Surround Speaker
- SL6.2M Surround Speaker



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www.electrovoice.com

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Part Number 38110-438 Rev A

U.S.A. and Canada only. For customer orders, contact Customer Service at:

800/392-3497 Fax: 800/955-6831

Europe, Africa, and Middle East only. For customer orders, contact Customer Service at:

+ 49 9421-706 0 Fax: + 49 9421-706 265

Other International locations. For customer orders, contact Customer Service at:

+ 1 952 884-4051 Fax: + 1 952 736-4212

For warranty repair or service information, contact the Service Repair department at:

800/685-2606

For technical assistance, contact Technical Support at: **866/78AUDIO**

Specifications subject to change without notice.