

Electro-Voice®



pro sound

PRO SOUND

Live For Sound

Founded in 1927 as a microphone company, Electro-Voice® has grown into one of today's dominant worldwide forces in design and manufacturing of top-quality products for broadcast, touring sound, permanently installed sound reinforcement and music playback systems.

Recognized the world over as a leader in audio technology, EV® is ubiquitous in performing arts centers, sport facilities, houses of worship, cinemas, dance clubs, transportation centers, theaters, and, of course, live music.

EV's reputation for providing superior audio products and dedication to innovation continues today. Whether EV microphones, loudspeakers systems, amplifiers or signal processors, the EV solution is always step up in performance and reliability. EV, a product brand of Telex Communications, Inc., shares technology with other Telex product brands: Dynacord®, Klark-Teknik®, Midas®, RTS®, and TELEX®.



1934—EV invents the hum-bucking coil for microphones (still a standard almost 70 years later).



1940s—EV introduces noise cancellation to microphones; revolutionizes tank and aircraft communications.



1954—EV introduces Variable-D® microphone technology, a means of eliminating the up-close bass boost of conventional, single-D directional microphones—for high vocal intelligibility under the typical varying conditions of use in churches and meeting rooms.



1963—EV receives an award from the Academy of Motion Picture Arts and Sciences for the development of a shotgun microphone—the 642 Cardiline®—which significantly advances the quality of sound on film.



1974—EV develops constant-directivity (CD) horns. For the first time, a loudspeaker maintains its rated coverage angles over a wide frequency range, for significantly more uniform sound quality and higher intelligibility throughout the audience.



A large, dense crowd of people at a concert, with the year '2007' overlaid in large white text on a dark horizontal band.



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EVI Vari Intense®

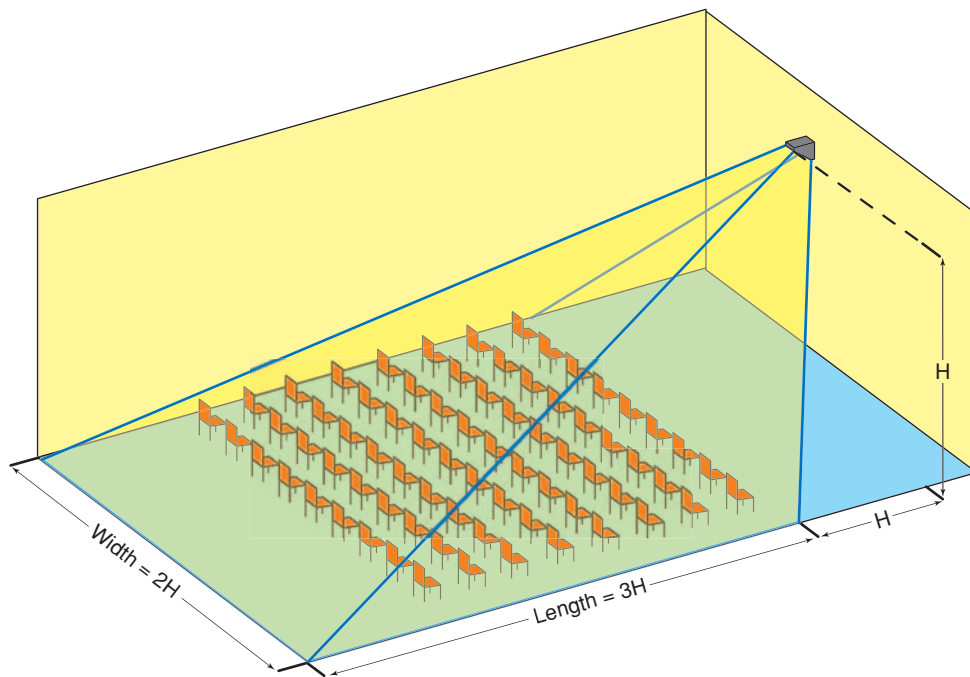
Electro-Voice®'s unique EVI Vari Intense® (VI) speakers are engineered to eliminate the need for additional long-throw horns or delayed sources in many rooms. The EVI Vari Intense® series provides an economical solution for permanent installations that require coverage over a rectangular area. In a typical room, the distance from the loudspeaker to the last row is two or more times that to the front row, resulting in a substantial loss in level and intelligibility at the rear. The VI horn delivers 6 to 8 dB more SPL to the back of the room, overcoming the level loss without resorting to the expense and complexity of additional speaker systems or components.

The problem is old; EV®'s solution is new. EVI is perfect for conference centers, houses of worship, halls, and other venues where evenly distributed SPL is essential. EVI systems are made of 18 mm 13-ply birch plywood (EVI 28: 12 mm 9-ply), texture-painted with a powder-coated metal grille.

A simple 3-2-1 rule-of-thumb applies for determining EVI coverage patterns: The pattern's width will equal twice the height of the room, and the pattern's length will equal three times the height. See the illustration below.

EVI Vari Intense® coverage pattern (3-2-1 Rule):

If speaker height = H , then coverage length = $3H$, coverage width = $2H$, and first row coverage = $1H$



EVI-28

- Two-way, full-range loudspeaker
- Vented LF enclosure
- 1.25" voice coil (titanium diaphragm) HF
- PRO™ Driver protection circuit
- Time Path™ phasing plug
- Multi-angled housing
- Stacked, frequency-shaded woofers maintain vertical coverage angle down to 500 Hz with 120° (typical 180°); ideal for reverberant rooms
- Three 3/8" - hanging points



EVI Vari Intense®

EVI-12

- Two-way, full-range loudspeaker
- High sensitivity
- Vented LF enclosure
- 1.25" voice coil (titanium diaphragm) HF
- PRO™ Driver protection circuit
- Time Path™ phasing plug
- Multi-angled housing
- Five 3/8"-16 hanging points

un
unfinished

wh
white

fly
flying
hardware

mount
mounting
hardware

RMD™

EVI-15

- Two-way, full-range loudspeaker
- High sensitivity
- Vented LF enclosure
- 1.25" voice coil (titanium diaphragm) HF
- PRO™ Driver protection circuit
- Time Path™ phasing plug
- Multi-angled housing
- Five 3/8"-16 hanging points

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RMD™

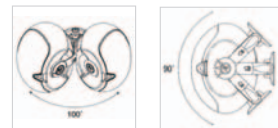
VI Horn

SPECIFICATIONS

	EVI-12	EVI-15	EVI-28
Frequency range (-3 dB)	45 Hz–20 kHz	45 Hz–20 kHz	62 Hz–20 kHz
Recommended high-pass frequency	—	—	—
Sensitivity (SPL 1 W/1 m)	99.5 dB	100 dB	93 dB
Max. SPL/1m (calc.)	129 dB	129.5 dB	123.5 dB
Long-term power handling	250 W	250 W	250 W
Short-term power handling	1,000 W	1,000 W	1,000 W
Coverage (H° x V°)	60° x 65°	60° x 65°	65° x 65°
LF driver	12"	15"	2 x 8"
HF driver (exit)	1" (DH2010A)	1" (DH2010A)	1" (DH2010A)
Crossover frequency	2,000 Hz	2,000 Hz	2,000 Hz
Nominal impedance (minimum)	8 Ω	8 Ω	8 Ω
Input connections	screw terminal	screw terminal	screw terminal
Dimensions (H x W at front x D)	554 x 356 x 699 mm 21.8" x 14" x 27.5"	584 x 429 x 766 mm 23" x 16.9" x 30.2"	353 x 496 x 523 mm 13.9" x 19.5" x 20.6"
Net weight	21.8 kg (48 lbs)	24.0 kg (53 lbs)	16.3 kg (36 lbs)

EV Innovative Design

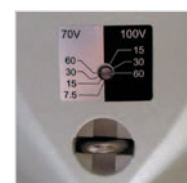
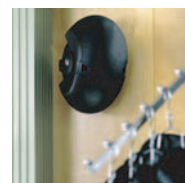
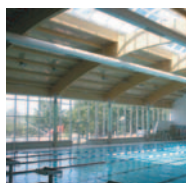
- Dual Woofers for extended bass, greater power handling and output.
- Coherent Coverage Waveguide Horn design on models 4.2 and 6.2.
- Dual Low-Frequency Ports provide extended bass output.
- Treated Woofer Cones for added weather resistance and increased reliability.
- Durable Zinc-Plated Steel Grille.
- Cast Aluminum Strong-Arm-Mount™ (SAM™) system provides excellent strength and reliability.
- Over 100 degrees of swing and 90 degrees of rotation for incredible installation flexibility.
- Simple Keyed Hex Head Adjustments make installations quick and easy.
- Titanium Dome Tweeters with Neodymium Magnet structures provide clean highs and added weather resistance.
- One-piece ABS Cabinet provides outstanding strength and acoustic rigidity.
- Smooth Lines and Innovative Cosmetic Design complement any décor or environment.
- Magnetically Shielded Transducers allow placement close to sensitive equipment.



Design goes audio...



"EVID products are an important part of the 'Fun Ship' entertainment experience for our guests. In addition to being visually appealing, EVID offers great sound and dependable performance, regardless of sea conditions." Craig Palcisko, audio supervisor, Carnival Cruise Lines.





EVID 3.2/3.2T

- Two-way full range
- Vented LF enclosure
- 0.75" voice coil (titanium diaphragm) with Neodymium magnetic structure
- Full-bandwidth overload protection for HF and LF
- Three-dimensional ellipse (for compact look)
- Magnetically shielded for video applications
- Comes with Strong Arm Mount (SAM™) and a hex key
- Suspension insert for SAM™; safety point on rear side



EVID 4.2/4.2T

- Two-way full range
- Vented LF enclosure
- 1" voice coil (titanium diaphragm) with Neodymium magnetic structure
- HF section features Coherent Coverage Waveguide™ to minimize interference
- Full bandwidth overload protection for HF and LF
- Three-dimensional ellipse (for compact look)
- Magnetically shielded for video applications
- Comes with Strong Arm Mount (SAM™) and a hex-key
- Suspension insert for SAM™, safety point on rear side



EVID 6.2/6.2T

- Two-way, high-output full range
- Vented LF enclosure
- High sensitivity
- 1" voice coil (titanium diaphragm) with Neodymium magnetic structure
- HF section features Coherent Coverage Waveguide™ to minimize interference
- Full bandwidth overload protection for HF and LF
- Three-dimensional ellipse (for compact look)
- Magnetically shielded for video applications
- Comes with Strong Arm Mount (SAM™) and a hex key
- Suspension insert for SAM™; safety point on rear side



EVID 12.1

- Subwoofer
- Slot-loaded port design
- Dual-voice-coil, high-excursion transducer
- High sensitivity
- Built-in stereo crossover with high-pass output
- Trapezoidal
- Comes with mounting bracket (passed EIA 636 at a safety factor of 8:1) for on-wall or corner mounting
- One safety 3/8"-16 eyebolt included
- Suspension inserts and 2 x 3/8" hanging inserts
- Powered version (120v only) available



SPECIFICATIONS

	EVID 3.2/T	EVID 4.2/T	EVID 6.2/T	EVID 12.1
Frequency response (-10 dB)	85 Hz–20 kHz	65 Hz–20 kHz	62 Hz–20 kHz	40 Hz–140 Hz
Sensitivity (SPL 1 W/1 m)	87 dB	89 dB	94 dB	100 dB
Max. SPL/1m (calc.)	112 dB	115 dB	122 dB	128 dB
Long-term power handling	75 W	100 W	150 W	175/175 W
Short-term power handling	300 W	400 W	600 W	700/700 W
Transformer taps	70V: 5 W	70V: 3.75 W	70V: 7.5 W	—
(transformer version only)	100V: 10 W	70V/100V: 7.5 W, 15 W, 30 W	70V/100V: 15 W, 30 W, 60 W	—
Coverage (H° x V°)	140° x 100°	120° x 80°	100° x 80°	—
LF driver	2" x 3.5"	2" x 4"	2" x 6"	12"
HF driver	0.75"	1"	1"	—
Nominal impedance (non-transformer version)	8	8	8	8
Minimum impedance (non-transformer version)	6	6	6	6
Input connections	spring terminal	spring terminal	spring terminal	spring terminal
Dimensions (H x W at front x D)	234 x 127 x 165 mm 9.2" x 5.1" x 6.5"	310 x 175 x 216 mm 12.2" x 6.9" x 8.5"	419 x 228 x 298 mm 16.5" x 9" x 11.75"	412 x 584 (at front) x 305 mm 16.25" x 23" x 12"
Net weight (incl. mounting bracket)	1.5 kg (3.3 lbs)	3.9 kg (8.5 lbs)	5.3 kg (12 lbs)	18.1 kg (40 lbs)
Shipping weight (pair)	3.9 kg (8.6 lbs)	8.6 kg (19 lbs)	12.3 kg (27 lbs)	20 kg (48 lbs)

Premium Surface-Mount Speakers

Mounting Brackets

AB-34 and AB-64 360-degree Kits

The AB-34 and 64 series kits feature a 4-sided powder-coated steel mounting assembly that allows 4 EVID speakers to be mounted in an array to cover a 360-degree pattern. The mount offers additional flexibility in EVID system designs. The AB-34 works with the EVID 3.2 series and can be used with a threaded rod for suspension from the ceiling. The AB-64 is used with the EVID 4.2 or 6.2 series and can be used with a speaker stand tripod or hung from the ceiling using a threaded rod as shown. All necessary accessories and parts needed for use are included.

AB-32 and AB-62 180-degree Kits

The AB-32 and AB-62 series kits feature a 2-sided powder-coated steel mounting assembly allowing for 2 EVID speakers to be mounted in an array to cover a 180-degree pattern. The AB-32 works with the EVID 3.2 series and can be used with a threaded rod for suspension from the ceiling. The speakers can then be positioned on the bracket to cover a variety of patterns to best serve the installation requirements. The AB-62 allows the EVID 4.2 or 6.2 series speakers to be used with a speaker stand tripod or hung from the ceiling using a threaded rod as shown. All necessary accessories and parts needed for use are included.



Tabletop Stands

HS-3 Horizontal Tabletop Stand

The HS-3 horizontal tabletop stand allows the EVID 3.2 or 4.2 orientation on a table, meter bridge, desk, bookshelf or other flat surface. Ideal for portable applications, the stands are made of steel for strength and durability and include rubber feet to protect surfaces. Sold in pairs.

Other Accessories

TC Series Terminal Covers

The TC-4 and TC-6 terminal covers protect the input connections on the EVID speakers from the long-term effects of moisture. The covers are available for the EVID 4.2 and 6.2 series models. The covers easily attach to the rear input panel of the speaker and include a weatherproof cable connector.

MA-3 Mic Stand Adapter

The MA-3 is a microphone stand adapter that allows use of the EVID 3.2 with a standard boom mount microphone stand. Two adapter pieces allow a solid and secure junction between the microphone boom on one side and the microphone stand side on the other.

EVID Ceiling Speakers

The Intelligible Choice

No matter what the installation calls for, the new EVID ceiling speaker line can fill the need. Each model is unique and designed to meet the toughest "problem" job specifications. Sonically superior and esthetically pleasing, the EVID ceiling speaker line has no match. From the compact, powerful C4.2 to the exclusive waveguide-coupled design of the C8.2HC (patent pending) for high-ceiling environments; the EVID ceiling line will solve any installation requirement. All models meet NFPA/UL requirements for air handling spaces so they will be approved for any specification including emergency notification applications. The EVID ceiling speaker line was designed with the contractor and listener in mind. Great sound, simple installation, and exceptional value are all part of every model.

The key features

- Acoustically matched to the EVID surface mount speaker line
- Meets UL and NFPA regulations for air handling spaces
- Regardless of the acoustic and esthetic requirements there is an EVID ceiling monitor system to fit the requirements
- Solves any installation challenge
- Either 70V/100V or 8 ohm operation is standard on every model of the EVID ceiling speaker line. **No need to buy or stock special versions!**
- All installation accessories commonly needed for most jobs are included! No expensive add-ons are necessary!

EVID C4.2



EVID C8.2



EVID C8.2HC



EVID C10.1



EVID C12.2



Perfect for conventional rooms. Excellent bandwidth in an esthetically, unobtrusive installation profile. Its compact design fits in tight areas. Fully rated for use in air handling spaces. Its 4" woofer and waveguide coupled titanium coated dome tweeter give smooth, wide frequency response. The enclosure is ported and tuned to provide surprising bass response in such a compact package. Features an easy 3-point mounting system for quick installations. Comes complete with mounting support ring and tile rails. No additional accessories needed for most installations.

Never before has a ceiling speaker system delivered such a full range punch. Its specially tuned enclosure and 8" woofer provide amazing bass response. The 1" waveguide coupled tweeter give smooth controlled coverage out to 18 kHz. Perfect for installations where a flush-mount design is desired but demand for high quality audio exists. Features a 4-point mounting system which makes installations fast and easy. Comes complete with mounting support ring and tile rails. No additional accessories needed for most installations. A low-profile version (LP) is available for ceiling spaces with tight clearance.

The EVID C8.2HC is ideal for high ceiling and reverberant "problem" rooms. Its exclusive ported, waveguide-coupled 8" driver provides for excellent intelligibility and definition. The C8.2HC's patent pending design provides great coverage control throughout the voice range and above. No other speaker system provides the combination of excellent pattern control, wide bandwidth, high power handling and compact design like the C8.2HC. Features a secure 4-point mounting system which makes installations fast and easy. Comes complete with mounting support ring and tile rails. No additional accessories needed for most installations.

The C10.1 packs a large 10" subwoofer in a tuned high-performance enclosure to give amazing low frequency performance down to 45Hz! The C10.1 is one of the only quick-mount ceiling TRUE subwoofers available on the market. Flexible installation and powerful low-end performance make this an ideal companion to any EVID model. Features a secure 4-point mounting system which makes installations fast and easy. Comes complete with mounting support ring and tile rails. No additional accessories needed for most installations.

The Electro-Voice EVID C12.2 loudspeaker system is a high efficiency two-way ceiling loudspeaker package for demanding high ceiling applications such as ballrooms, convention centers and fairgrounds. The loudspeaker features the EVID 920-8B transducer, a 12" coaxial with high power handling and 100 dB sensitivity. The integrated 64W transformer allows for use in 70V/100V applications, and includes automatic saturation compensation.

SPECIFICATIONS

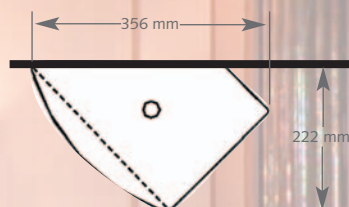
	EVID C4.2	EVID C8.2LP/EVID C8.2	EVID C8.2HC	EVID C10.1	EVID C12.2
LF Transducer	4"	8"	8"	10"	12"
	Polypropylene cone	Polypropylene cone	Polypropylene cone	Polypropylene cone	
HF Transducer	19 mm (0.75")	25 mm (1")	25 mm (1")		1"
	Ti Mylar Laminate Dome	Ti Mylar Laminate Dome	Ti Mylar Laminate Dome		
Frequency Response (-10 dB)	65 Hz - 20 kHz	50 Hz - 20 kHz	50 Hz - 20 kHz	45 - 180 Hz	65 Hz - 20 kHz
Power Handling(8 Ohms)	80 W (overload protected)	100 W (overload protected)	100 W (overload protected)	150 W	100W
Coverage Pattern	130° conical	110° conical	75° conical (@ >1 kHz)	180°	90° average
Sensitivity (1W/1m)	86 dB	91 dB	93 dB	94 dB	100 dB
Input Configuration	8 Ohms, 70 V, 100 V	8 Ohms, 70 V, 100 V	8 Ohms, 70 V, 100 V	8 Ohms, 70 V, 100 V	8 Ohms / 70V / 100V
Transformer Power Taps (W)	(1.88*), 3.75, 7.5, 15, 30	(1.88*), 3.75, 7.5, 15, 30	(7.5*), 15, 30, 60	(7.5*), 15, 30, 60	(4*), 8, 16, 32, 64 ASC protected
Dimensions (H x Dia.)	176 x 181mm 6.93" x 7.13"	178 x 270 mm/255 x 270 mm 7.01" x 10.65"/10.04" x 10.63"	303 x 320 mm 11.99" x 12.60"	303 x 320 mm 11.99" x 12.60"	333 x 414 mm
Weight	2.7 kg (6.0 lbs.)	5.0 kg (11.0 lbs.)	6.0 kg (13.2 lbs.)	7.0 kg (15.4 lbs.)	12.3 kg
Acoustic Design		Ported cabinet, internally damped Two-Way, inc. passive crossover		Dual ported cabinet, internally damped	Ported cabinet, internally damped Two-Way inc. passive crossover
Cabinet Construction		Steel enclosure and UL94V-0 rated baffle and bezel			
Mounting System		Integrated 3-point toggle anchors			
Grille Construction		Powder-coated steel			
Available Colors		White (paintable surface)			

*70 V only

FRi / FRi+ Series

FRi Series brings premium EV components, including the DH2T compression driver and DL series woofers, to a new level of affordability. The FRi Series provides exceptional value where flexibility and performance is required in permanent installations. Suspension is achieved by using the numerous threaded mounting points. These allow flexible installation in any situation.

FRi systems are finished in black acrylic with 13-ply birch plywood and have a black powder-coated metal grille. Designed from the ground up for safe, attractive installations, FRi-122/64 and FRi-152/64 have the same 28-inch (711 mm) height as FRi-181S for uniform array appearance. FRi+ adds the performance of the large-format DH7 driver and the choice of more coverage pattern.



FRi-2082/28LPM

- 2-Way Full-range
- Vented LF enclosure
- 1" voice coil
- Low-profile slanted design
- 45° angle allows under-balcony, on-wall and stage monitoring applications
- Only FRi-2082 comes with mounting bracket!
- 2 x 3/8"-16 suspension points



Input-panel of a FRi-152/64



FRi-122/64/85

- 2-Way Full-range
- Vented LF enclosure
- 2" voice coil (titanium diaphragm)
- Trapezoidal (15° per side)
- Comes with 4 eyebolts
- 12 x 3/8"-16 suspension points
- Horn not rotatable in 85 version

FRi+122/64/66/94

- Two-way full-range loudspeaker
- Switchable between full range and biamp
- Vented LF enclosure
- 3" voice coil (titanium diaphragm)
- Trapezoidal cabinet (15° per side)
- Comes with four eye bolts
- Twelve 3/8"-16 suspension points



FRI / FRi+ Series



FRI-152/64/85

- 2-Way Full-range
- Solid bass down to 42 Hz (-10 dB) allows pure full-range performance
- Vented LF enclosure
- 2" voice coil (titanium diaphragm) HF
- Trapezoidal (15° per side)
- Comes with 4 eyebolts
- 12 x 3/8" -16 suspension points
- Horn not rotatable in 85 version

FRi+152/64/66/94

- Two-way, full-range loud speaker
- Solid bass to 42 Hz (-10 dB) allows pure full-range performance
- Switchable between fullrange and biamp
- Vented LF enclosure
- 3" voice coil (titanium diaphragm) HF
- Trapezoidal cabinet (15° per side)
- Comes with four eyebolts
- Twelve 3/8" -16 suspension points



FRi+181S

- Subwoofer
- Vented slot load design
- Built-in low-pass filter (switchable for biamp operation)
- Trapezoidal (7.5° per side)
- Comes with 4 eyebolts
- 16 x 3/8" -16 suspension points



LOUDSPEAKERS

SPECIFICATIONS

	FRI-2082	FRI-122/64/85 / FRi+122/64/66/94	FRI-152/64/85 / FRi+152/64/66/94	FRi+181S
Frequency Range (-10 dB)	55 Hz - 20 kHz	50 Hz - 15 kHz	42 Hz - 15 kHz	36 - 160 Hz
Recommended High-Pass Frequency	50 Hz (12 dB/Oct.)	50 Hz (12 dB/Oct.)	40 Hz (12 dB/Oct.)	36 Hz (12 dB/Oct.)
Axial Sensitivity SPL 1W/1m (Biamp mode)	93 dB	97 dB (97/112 dB)	98 dB (98/112 dB)	97 dB
Max. SPL /1 m (calc.); full space	122 dB	128 dB	129.5 dB	129 dB
Continuous Power Handling (Biamp op.)	200 W	300 W (300 W/60 W)	350 W (350 W/60 W)	400 W
Peak Power Handling (Peak)	800 W	1,200 W	1,400 W	1,600 W
Coverage (nominal -6 dB) (H° x V°)	100° x 100° (CD Horn)	60° x 40°/80° x 50° (FRI) 60° x 40°/60° x 60°/90° x 40°(FRi+)	60° x 40°/80° x 50° (FRI) 60° x 40°/60° x 60°/90° x 40°(FRi+)	300° x 270°
LF woofer (transducer)	50mm x 203 mm (2" x 8")(---)	304mm (12") (DL12BFH)	1391 mm (5") (DL15BFH)	457 mm (18") (DL18MT)
HF throat diameter (transducer)	25 mm (1") (compr. driver)	25 mm (1") (DH2T)/1.4" (DH7) (FRi+)	25 mm (1") (DH2T)/1.4" (DH7) (FRi+)	---
Crossover Frequencies	2,800 Hz	1,600 Hz	1,600 Hz	130 Hz
Nominal Impedance (Biamp)	8 Ω	8 Ω (8 Ω/8 Ω)	8 Ω (8 Ω/8 Ω)	8 Ω
Input Connections	Barrier strips	Dual barrier strips	Dual barrier strips	Dual barrier strips
Dimensions (H x W at front x D)	222 x 620 x 356 mm 8.75" x 24.5" x 14"	711 x 401 x 445 mm 28" x 15.9" x 17.6"	711 x 483 x 589 mm 28" x 19" x 23.2"	711 x 597 x 762 mm 28" x 23.5" x 30"
Net Weight	18.2 kg (40 lbs.)	27.3 kg (60 lbs.)/29.5 kg (65 lbs.)	31.8 kg (70 lbs.)/34 kg (75 lbs.)	45.5 kg (100 lbs.)

FRX+ & FRX+PI-Systems

FRX+ Series loudspeakers are designed for applications in critical reverberant spaces where excellent directivity control is mandatory. Typical small-sized speaker systems are not able to maintain their rated coverage angles below 2000 Hz. Their wide beamwidth in the low midband is accompanied by serious degradation of speech intelligibility and clarity of music signals in such hostile environments.

EV's FRX+ systems are troubleshooters concerning these problems, providing excellent wideband directivity control. The all-horn-loaded, coaxial design comes up with sufficient

radiation surface to enable narrow coverage angles down to 250 Hz at moderate cabinet sizes.

FRX+ cabinets are texture-painted, 7-ply plywood with powder-coated steel grille backed with foam.

For outdoor purposes, FRX+ PI models are equipped with weatherized woofers, powder-coated stainless-steel grilles backed with multilayer foam and covered glandnut input panels.



FRX+ & FRX+PI-Systems

LOUDSPEAKERS



FRX+640 (60° x 40°)

FRX+660 (60° x 60°)

FRX+940 (90° x 40°)

Available as
weather-
resistant
PI-Version

- Two-way, high-output, full-range loudspeaker
- High sensitivity: 101 dB/1W/1m (passive); 109 HF/105 LF
- Coaxial horn-loaded
- Vented LF horn enclosure
- 2" voice coil (titanium diaphragm) HF
- Trapezoidal cabinet (15° per side)
- L-Track hardware (top/bottom)
- Four single-stud Ancra® fittings included
- 3/8" -16 suspension point (rear)
- Same dimensions as FRX-181 for uniform array appearance
- PRO™ Driver protection circuit
- Time Path™ phasing plug
- Directivity to 500 Hz
- DX38 presets for excellent directivity control



FRX+181

- Subwoofer
- Direct-radiating vented design
- Trapezoidal cabinet (15° per side)
- L-Track hardware (top/bottom)
- Four single-stud Ancra® fittings included
- 3/8" -16 suspension point (rear)
- Same dimensions as FRX-640/660/940 for uniform array appearance
- Solid response to 35 Hz (-10 dB)
- Maximum crossover point of 800 Hz allows combinations with HP horns.
- Coverage angles are greater than 100° x 100° at 800 Hz



SPECIFICATIONS

	FRX+640	FRX+660	FRX+940	FRX+181
Frequency range (-3 dB)	50 Hz–20 kHz	50 Hz–20 kHz	50 Hz–20 kHz	43 Hz–1,000 Hz
Recommended high-pass frequency	—	—	—	35 Hz (12 dB/Oct.)
Sensitivity (SPL 1 W/1 m)	105 dB	105 dB	105 dB	96 dB
Max. SPL/1m (calc.)	133 dB	133 dB	133 dB	128 dB
Long-term power handling (biamped)	400 W (400 W/60 W)	400 W (400 W/60 W)	400 W (400 W/60 W)	400 W
Short-term power handling	1,600 W	1,600 W	1,600 W	1,600 W
Coverage (H° x V°)	60° x 40°	60° x 60°	90° x 40°	omni
Directivity Index	14.1 dB (+1.9/-3.5 dB) 500 Hz–16 kHz	13.7 dB (+2.5/-3.3 dB) 500 Hz–16 kHz	13.4 dB (+2.9/-3.2 dB) 500 Hz–16 kHz	3.8 dB 50 Hz–200 Hz
LF driver	15" (DL15)	15" (DL15)	15" (DL15)	18" (DL18MT)
HF driver (exit)	1" (DH2T)	1" (DH2T)	1" (DH2T)	—
Crossover frequencies (passive mode)	1,350 Hz	1,350 Hz	1,350 Hz	—
Nominal impedance (biamped)	8 Ω (8 Ω/8 Ω)	8 Ω (8 Ω/8 Ω)	8 Ω (8 Ω/8 Ω)	8 Ω
Input connections	Dual barrier strips	Dual barrier strips	Dual barrier strips	Dual barrier strips
Dimensions (H x W at front x D)	787 x 719 x 660 mm 31" x 28.3" 26"	787 x 719 x 660 mm 31" x 28.3" 26"	787 x 719 x 660 mm 31" x 28.3" 26"	787 x 719 x 660 mm 31" x 28.3" 26"
Net weight	68.95 kg (152 lbs.)	68.95 kg (152 lbs.)	68.95 kg (152 lbs.)	45.5 kg (105 lbs.)

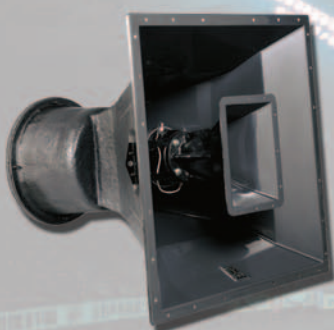
MH-Series Stadium Horns

MH-Series stadium horns are designed for large-scale stadiums and arenas where high-fidelity sound and directivity control from low mid-bass frequencies and below are absolutely essential. In 1974, EV pioneered the concepts of constant directivity (horn angles that are constant with frequency) and Manifold® technology (which combines the

outputs of multiple transducers into one source). Large-format MH horns incorporate both in several horn/driver systems. Medium-format MH horns are excellent for short/medium throw applications or as infills for large-format MH-horns.

MH640AC/MH640AP

(60° x 40°)



MH660AC/MH660AP

(60° x 60°)

- Two-way, high output mid/high CD horn system
- High sensitivity: 107 dB/1 W/1 m
- Coaxial horn-loaded
- P version has passive crossover
- Water-resistant Kevlar® epoxy cone
- MB horn features Aperiodic Enhancer™ phase plug
- 2" voice coil (titanium diaphragm)
- HF driver protection circuit
- Uniform directivity control to 500 Hz
- All models have same dimensions for uniform-looking arrays
- 4 Integral hanging points

MH940AC/MH940AP

(90° x 40°)



MH 4020 AC

(40° x 20°)



MH 6040 AC

(60° x 40°)

- 2-way coaxial horn-loaded system
- Very high sensitivity
- Very high maximum SPL
- Full-range down to 100 Hz (-10 dB)
- Mid-Bass section features Aperiodic Enhancer™ and Manifold® Technology
- Water resistant (incl. Kevlar® epoxy cone)
- HF-horn with 2-inch throat diameter (Driver is of the designer's choice)
- Excellent uniform directivity control down to low frequencies
- Same front dimensions for uniform appearance when used in arrays
- 18 Integral hanging points

MH 9040 AC

(90° x 40°)



SPECIFICATIONS

MH640/660/940AC/AP

MH 4020 AC

MH 6040 AC

MH 9040 AC

Frequency range (-3 dB)	150 Hz-20 kHz	100 - 20,000 Hz	100 - 20,000 Hz	100 - 20,000 Hz
Recommended high-pass frequency	160 Hz (24 dB/Oct.)	130 Hz (24 dB/Oct.)	130 Hz (24 dB/Oct.)	130 Hz (24 dB/Oct.)
Sensitivity (AC/AP) (SPL 1 W/1 m)	107/111 dB; 107 dB	109 dB	107 dB	105 dB
Max. SPL/1m (calc.)	138 dB	146 dB	141 dB	139 dB
Long-term power handling (AC/AP)	300 W/60 W; 300 W	1,200 W	600 W	600 W
Short-term power handling (AC/AP)	1,200 W/240 W; 1,200 W	4,800 W	2,400 W	2,400 W
Coverage (H° x V°)	60° x 40°/60° x 60°/90° x 40°	40° x 20°	60° x 40°	90° x 40°
Directivity Index (500 Hz-20 kHz)	13.7 dB/13.7 dB/12.6 dB	18.0 dB	13.8 dB (+0.9/-1.1 dB)	10.2 dB (+0.9/-1.1 dB)
LF driver	10" (DL10X)	4 "x 10" (DL10X-SH)	2" x 10" (DL10X-SH)	2" x 10" (DL10X-SH)
HF driver (voice coil)	2" (DH2T)	2" (HP420A)	2" (HP640)	2" (HP940)
Crossover frequencies	1,600 Hz	1,600 Hz	1,250 Hz	1,250 Hz
(slope in biamp mode)	(24 dB/Oct.)	(24 dB/Oct.)	(24 dB/Oct.)	(24 dB/Oct.)
Nominal impedance	16 / 8 (AC); 8 (AP)	2 x 8	8	8
Minimal impedance (mid-bass)	-	2 x 3.1	5.9	5.9
Input connections	Dual barrier strips	heavy-duty copper cable	heavy-duty copper cable	heavy-duty copper cable
Dimensions	686 x 686 x 711 mm	1500 x 991 x 1880 mm	1500 x 991 x 1873 mm	1500 x 991 x 1534 mm
(H x W at front x D)	27" x 27" x 28"	59" x 39" x 73.9"	59" x 39" x 73.9"	59" x 39" x 60.4"
Net weight	27.2 kg (60 lbs.)	108 kg (237 lbs.)	75 kg (165 lbs.)	75 kg (165 lbs.)
(Large format: without HF driver)				

PLASMA P1 & P2

PLASMA™ P1 Plasma P1's compact, ergonomically designed enclosure houses an EVX155RMD, Kevlar™-reinforced 15" LF transducer driven by a 4" voicecoil for well-defined transients and articulate vocals at all SPLs. The EV ND-6 neodymium HF compression driver with a 3" voicecoil coupled to an EV 80° x 55° horn provides extended HF response with very low distortion. A two-channel class-H amplifier provides a total of 700 watts of power but requires NO fan, permitting quiet operation, low maintenance, and long-term reliability. Coupled with signal processing for linear acoustic response, Plasma P1 delivers dynamic linearity to very high SPLs. Equipped with three L-track attachment points, Plasma can also be used with its proprietary PSA-V™

(Plasma Strong-Arm-Mount-Vertical) mounting system for easy flying and precise aiming. The multi-angle enclosure is available in left and right versions, thus allowing a 55° monitor angle onstage and mirror-image monitoring.

PLASMA™ P2 Plasma P2 represents a new generation of high-powered compact subwoofers. Designed to extend the very low frequency response of Plasma P1, it uses a class H-design amplifier driving an EVX180B 18" woofer. The patented LPN™ (Low-Pass-Notch) filter compensates for transient distortion in dynamic signals (such as kickdrums) to achieve a higher acoustic output and more punch than expected from such a compact enclosure.

PLASMA P1 (80° x 55°)

- 15" 2-Way Powered
- 80°x55° Speaker System
- Compact, ergonomically designed cabinet
- 550W + 150W dynamic output power
- 132 dB maximum SPL
- EVX155RMD 15" LF transducer
- ND6 HF compression driver
- Simple, versatile suspensions with PSA-V™ (Plasma Strong-Arm-Mount-Vertical)



PLASMA P2

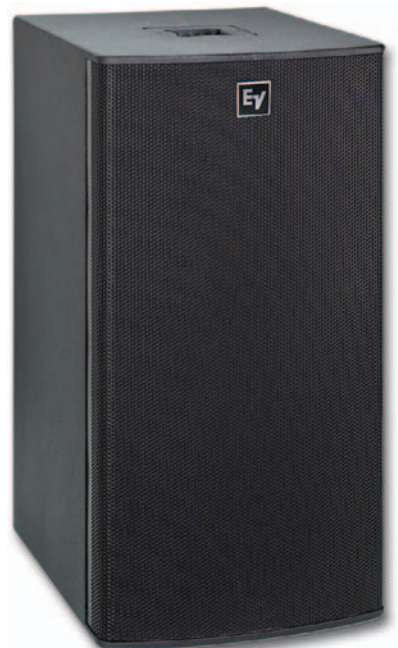
- 18" powered subwoofer
- Compact, ergonomically designed cabinet
- 800W dynamic output power
- EVX180B direct radiating 18" woofer
- 132 dB maximum SPL
- Extended bass response
- Integrated heavy-duty casters for easy transport

SPECIFICATIONS

PLASMA P1

PLASMA P2

Frequency Response (-3 dB)	45 Hz - 17 kHz	40 Hz - 100 Hz
Frequency Range (-10dB)	38 Hz - 19 kHz	30 Hz - 110 Hz
Calc. Max SPL	132 dB	132 dB
Horizontal Coverage	80°	-
Vertical Coverage	55°	-
Amplifier Design	Class H	Class H
THD	<0.01 %	<0.05 %
Input Impedance	20 kOhms	20 kOhms
LF Amplifier Power	460W RMS (550W Peak)	550W RMS (800W Peak)
HF Amplifier Power	140W RMS (150W Peak)	-
High Pass Crossover (switchable)	100 Hz	-
Level Control	-∞ to +6 dB	-∞ to +6 dB
Input Sensitivity	+ 6 dB for full output	+ 6 dB for full output
LF Transducer	381mm (15") EVX155RMD	460mm (18") EVX180B
HF Transducer	35,6 mm (1.4") exit ND6 compression driver	-
Connectors:		
Balanced Line Inputs	XLR and 1/4" phone Combination	XLR and 1/4" phone Combination
Balanced Output	XLR	XLR
Power Requirement	100, 120, 230 or 240 VAC 50-60 Hz	100, 120, 230 or 240 VAC 50-60 Hz
Enclosure Material	13-ply Birch Plywood	13-ply Birch Plywood
Cabinet Finish	EC Coat	EV Coat
Grille	Powder-Coated Steel with cloth	Powder-Coated Steel with cloth
Dimensions (H x W x D) :	615 x 475 x 400 mm 24.2" x 18.8" x 15.7"	910 x 476 x 600 mm 25.8" x 18.8" x 23.6"
Net Weight	42,3 kg (93 lbs)	63,6 kg (140 lbs)



Rx/QRx Series

EV's RX/QRx Series loudspeakers have become the go-to systems for contractors, regional sound companies, and anyone who wants to step up to high-end pro audio without blowing the budget. With integrated L-track rigging points on top and bottom, the Rx cabinets are easy to fly. The unique, asymmetrical, fully rotatable horn provides a 15-degree down angle to ensure HF coverage where needed,

while avoiding acoustic spill. EV's powerhouse DH7 large-format driver (3" voicecoil, 1.4" exit) provides the HF engine, while a selection of EV's DL and EVX woofers anchor the LF and sub frequencies. EV's combination of high-level components and unique design make the Rx Series one of the best and most versatile values in the industry.



Easy operation mode selection



Rx as monitor



Rx 112/75

- 2-Way High-Output Full-range
- High Sensitivity
- Ultra-linear frequency response
- Solid bass down to 52 Hz (-10 dB)
- Vented LF enclosure
- Asymmetric CD-horn aimed downward by 10°
- 3" voice coil (titanium diaphragm)
- Protection circuits for HF-driver and LF-woofer
- Easy external operation mode selection
- 5-side multi-angled housing with monitor slant



Rx 115/75

- 2-Way High-Output Full-range
- High Sensitivity
- Ultra-linear frequency response
- Solid bass down to 50 Hz (-10 dB)
- Vented LF enclosure
- Asymmetric CD-horn aimed downward by 10°
- 3" voice coil (titanium diaphragm)
- Protection circuits for HF-driver and LF-woofer
- Easy external operation mode selection
- 5-side multi-angled housing with monitor slant
- Same front width as Rx 118 S



Rx 212/75 / Rx 212H/75

- 2-Way Highest-Output Full-range
- High Sensitivity
- Ultra-linear frequency response
- Extended bass response down to 50 Hz (-10 dB)
- Vented LF enclosure
- Asymmetric CD-horn aimed downward by 10°
- 3" voice coil (titanium diaphragm)
- Protection circuits for HF-driver and LF-woofers
- Easy external operation mode selection
- Trapezoidal (10° per side)



QRx 153/75

- Three-way, high-output, full-range loudspeaker
- Biamp only
- Solid bass to 42 Hz (-10dB)
- Vented LF enclosure
- Asymmetrical CD horn aimed downward by 10°
- 3" HF voice coil (titanium diaphragm)
- Protection circuit for HF driver
- Trapezoidal cabinet (15° per side) for tight-pack situations
- Comes with L-track hardware and single-stud ancrs fittings



QRx 153/75



Rx 218 S

Rx 118 S & Rx 215 S

- Subwoofer
- Direct radiating vented design
- High Sensitivity
- Solid bass down to 30 Hz (-10 dB)
- Rectangular
- Equipped with shown features below



Rx 215 S



Rx 118 S

Rx 218 S

- Subwoofer
- Direct radiating vented design
- High Sensitivity
- Solid bass down to 31 Hz (-10 dB)
- Rectangular
- Also perfect in combination with large HP and MH horns
- Equipped with shown features below
- Flyable version available



Rx subwoofer features



Rubber feet

SPECIFICATIONS

	Rx112/75	Rx115/75	QRx153	Rx(H) 212/75	Rx118/215 S	Rx218S
Frequency Range (-10 dB)	52 Hz - 18 kHz	45 Hz - 15 kHz	42 Hz - 20 kHz	50 Hz - 15 kHz	38/40Hz - 250 Hz	40 - 250 Hz
Frequency Range (-3 dB) with controller amp	46 Hz - 18 kHz	48 Hz - 18 kHz	50 Hz - 16 kHz	43 Hz - 18 kHz	36/38Hz - 125 Hz	38 - 125 Hz
Recommended High-pass frequency	45 Hz (12 dB/Oct.)	45 Hz (12 dB/Oct.)	—	45 Hz (12 dB/Oct.)	36 Hz (12 dB/Oct.)	35 Hz (12 dB/Oct.)
Axial Sensitivity SPL 1W/1m (Biamp operation)	100 dB (100/112 dB)	100 dB (101/112 dB)	98/105 dB —	102 dB (102/112 dB)	98 dB —	100 dB —
Max. SPL / 1m (calc.)	131 dB	133 dB	130 dB	136 dB	132/133 dB	135 dB
Continuous Power Handling	350 W (300 W/75 W)	450 W (400 W/75 W)	400 W/150 W/150 W	650 W (600 W/75 W)	600/800 W	800 W
Peak Power Handling (Biamp)	1,400 W (1,200/300 W)	1,800 W (1,600/300 W)	1,600 W/600 W/600 W	2,600 W (2,400/300 W)	2,400/3,200 W	1,600W
Coverage (nominal -6 dB) H° x V°	75° x 50° (asym. CD horn)	75° x 50° (asym. CD horn)	75° x 50° (asym. CD horn)	75° x 50° (asym. CD horn)	essentially omni	essentially omni
LF woofer (transducer)	12" (DL128FH)	15" (DL15X)	15" (DL15ST)	2 x 12" (DL128FH)	1x18"(EVX) / 2x15"(DL15)	2 x 18" (DL18MT)
VC diameter	3" (DH7)	3" (DH7)	8" MF8 MF/ 3" DH7 HF	3" (DH7)	---	---
Crossover Frequencies (slope in Biamp mode)	1,500 Hz (24 dB/Oct.)	1,500 Hz (24 dB/Oct.)	1,200 Hz	1,500 Hz (24 dB/Oct.)	100 Hz (24 dB/Oct.)	100 Hz (24 dB/Oct.)
Nominal Impedance (Biamp mode)	8 Ω (8 Ω/8 Ω)	8 Ω (8 Ω/8 Ω)	8 Ω/12 Ω/12 Ω	4 Ω (4 Ω/8 Ω)	8/4 Ω	4 Ω
Input Connections	2 Neutrik® NL4	2 Neutrik® NL4	2 Neutrik® NL4	2 Neutrik® NL4	2 Neutrik® NL4	2 Neutrik® NL4
Dimensions (H x W at front x D)	675 x 390 x 372 mm 26.6" x 15.36" x 16"	759 x 450 x 407 mm 29.9" x 17.72" x 16.02"	1,240 x 467 x 485 mm 41.5" x 18.4" x 19.12"	990 x 390 x 375 mm 38.98" x 15.47" x 14.77"	900 x 450 x 600 mm 35.5" x 17.7" x 23.6"	990 x 560 x 600 mm 39" x 22.05" x 23.6"
Net Weight (subs without wheel kit)	26.0 kg (58 lbs.)	32.0 kg (71 lbs.)	47 kg (97 lbs.)	36.5 kg (80 lbs.)	47.5/48.5 kg (100/102 lbs.)	59.5 kg (131 lbs.)

ZX1

Compact Flexibility - Performance - Design

The Electro-Voice ZX1 family of speaker systems is truly an industry first. Never before has a single speaker design been so closely customized to a wide range of audio applications. Consisting of 8 distinct versions, a ZX1 model is available to

fit the need whether it's part of a portable PA for a local band or a large distributed sound system for a major audio installation.

ZX1

features

- EV8L high performance 8" woofer
- Exclusive port design for extended LF response
- 200W cont., 400W program power handling,
- Integrated overload protection
- DH2005 true compression driver (1,25" voice coil)
- Rotatable 90 x 50 HF horn
- Integrated monitor angle
- Integrated pole-mount adapter and handle
- 4 metric inserts for additional mounting options
- 2 Neutik NL4 connectors
- Available in black and white



ZX1i

Delivering on this promise for fixed audio installations, the ZX1i model is the new standard of no compromise audio performance and versatility in an easy to install, lightweight and compact package. Finally, a compact high performance loudspeaker system designed exclusively for the professional contractor to use in dozens of different fixed installations. It

doesn't matter if your requirements are providing a compact sound reinforcement system in a church, a complex background music system in a sports bar or other high-energy environment or fill sound in a large auditorium, the ZX1i can solve the problem.

ZX1i

features

- EV8L weatherized woofer
- DH2005 true compression driver
- 100 x 100 and 90 x 50 coverage pattern
- Weatherized for indoor and outdoor use
- "Clickn' Mount" Quick SAM mounting system for wide range of motion included
- 4-pin detachable Phoenix-style connector
- Dedicated transformer models with wide range of selectable tabs



SPECIFICATIONS

	ZX1-90 (Portable Version)	ZX1i-90 (Fixed Install Version)	ZX1i-100 (Fixed Install Version)	ZX1i-100t (70v/100v Version)
Frequency range (-10 dB)	48 Hz - 20 kHz	48 Hz - 20 kHz	48 Hz - 20 kHz	48 Hz - 20 kHz
Recommended Hi-Pass Frequency				
Axial sensitivity SPL 1W/1m	94 dB (1W/1m)	94 dB (1W/1m)	92 dB (1W/1m)	92 dB (1W/1m)
Maximum SPL (calc.); full space	123dB	123dB	121dB	121dB
Long Term Power Handling (LF/HF)	200W Continuous	200W Continuous	200W Continuous	200W Continuous
Short Term Power Handling (Peak) (LF/HF)	400W Program	400W Program	400W Program	400W Program
Coverage, H° x V° (nominal -6 dB)	90° or 50°	90° or 50°	100°	100°
LF transducer	EV8L, 8 in. (203mm)	EV8L, 8 in. (203mm)	EV8L, 8 in. (203mm)	EV8L, 8 in. (203mm)
HF transducer	DH2005, 1 in. (25.4mm)	DH2005, 1 in. (25.4mm)	DH2005, 1 in. (25.4mm)	DH2005, 1 in. (25.4mm)
Crossover Frequencies				
Nominal Impedance (LF/HF)	8 Ohms		8 Ohms	8 Ohms
Minimum Impedance				
Input Connections	Two NL4 Connectors	4-Pin detachable	4-Pin detachable	4-Pin detachable
Dimensions (H x W at front x D)	17.15"x11.12"x10.35"	17.15"x11.12"x10.35"	17.15"x11.12"x10.35"	17.15"x11.12"x10.35"
	451mm x 282mm x 263mm	451mm x 282mm x 263mm	451mm x 282mm x 263mm	451mm x 282mm x 263mm
Net Weight	8.4kg (18.5 lbs)	8.4kg (18.5 lbs)	8.4kg (18.5 lbs)	10.4kg (23.0 lbs)

ZX4

The Advanced Generation of Versatile, High-Performance Lightweight Speakers

Sharing its enclosure with it's "big brother" the ZX5 the ZX4 is designed mainly for portable applications such as performing artist, musicians and small bands. It's benefits form the same large format EV horn design that provides a

better throw and better intelligibility then small format horn, that can only control the higher frequencies, but not the entire vocal range.

ZX4

features

- 15-2-Way with EVS15SF woofer
- DH3 1,25" titanium HF driver
- 400 Watt cont. 1600W Peak
- High sensitivity (100dB)
- Adjustable monitor angles 45° and 55°
- Large Format 90° x 50° EV horn



wh

white



mounting hardware



SPECIFICATIONS

ZX4

Frequency Response* (-3 dB)	60 Hz - 20 kHz
Frequency Response* (-10 dB)	42 Hz - 20 kHz
Power Handling (long term/Peak)	400W/1600W
Sensitivity 1W/1m	100 dB
Max SPL (calc.)	132 dB
Low Frequency Driver	EVS15SF, 15" woofer
High Frequency driver	DH3, 1.25" voice coil compression driver
Box Tuning Frequency	50 Hz
X-over frequency	1500 Hz
Impedance (nom./min.)	8 Ohms / 6.5 Ohms
Dispersion (H x V)	90° x 50°
Input connector	Speakon NL4
Suspension:	enclosure has locations for 3 single stud attachment plates and 8 forged steel eyebolts-2 on top, 2 on side, and 4 on rear of enclosure
Dimensions H/W/D	686mm x 445mm 406mm (27.00" x 17.50" x 16.00")
Net Weight	20.2kg (44.5 lbs)
Shipping Weight	23.8kg (52.5 lbs)

* Half Space



ZX5

The Advanced Generation of Versatile, High-Performance Lightweight Speakers

Founded on more than 20 years of experience in building professional lightweight loudspeakers based on polypropylene enclosures and high-end components, ZX loudspeakers comprise a new family that includes all of EV's expertise in sound reinforcement for mobile and fixed install business.

Incorporating brand-new, high-power series woofers and drivers, the new elegant style molded cabinets combine mechanical solutions for all permanent installation and mobile stage application demands.

ZX5

family features

- DVX-3150 : New high-power 15" woofer
- ND2 : New 2" voicecoil Neodymium compression driver
- New asymmetrically molded polypropylene enclosure
- Internal passive crossover (switchable to biamp)
- 10 x metric inserts (M8)
- 3 Ancra single-stud fittings (5 attachment points)
- Integrated pole-mount adapter
- Powder-coated full-face steel grille backed with foam
- Standard floor monitor angle 45°, adjustable to 55° with integrated monitor feet

ZX5 is available as 90° x 50° or 60° x 60°, in black or white finish. Both horn patterns are also for outdoor use, these black PI versions come up with powder-coated stainless steel grilles and waterproof glandnut input panels with SJO cable.



weather resistant

wh
white



flying hardware



mounting hardware



bi-amping



RMD



Product Matrix

Model	Pattern (H x V)	Color	Weather-resistant IP44
ZX5-90B	90° x 50°	black	
ZX5-60B	60° x 60°	black	
ZX5-90W	90° x 50°	white	
ZX5-60W	60° x 60°	white	
ZX5-90PI	90° x 50°	black	X
ZX5-60PI	60° x 60°	black	X

SPECIFICATIONS

ZX5-60 (B, W & PI Versions)

ZX5-90 (B, W & PI Versions)

Frequency range (+/-3 dB)	52-16 kHz
Recommended Hi-Pass Frequency	36 Hz
Axial sensitivity SPL 1W/1m	98 dB
Maximum SPL (calc.); full space	132 dB
Long Term Power Handling (LF/HF)	600 W (500W/40W)
Short Term Power Handling (Peak) (LF/HF)	2,400 W (2000W/160W)
Coverage, H° x V° (nominal -6 dB)	60° x 60°
LF transducer	15" DVX-3150
HF transducer	2" ND2
Crossover Frequencies	1,500 Hz
Nominal Impedance (LF/HF)	8 Ohms (8/8 Ohms)
Minimum Impedance	6.5 Ohms
Input Connections	2 x four-pin Speakon / glandnut SJO cable (PI versions)
Dimensions (H x W at front x D)	692 x 446 x 411 mm (27.24" x 17.56" x 16.18")
Net Weight	22.5 kg (49.6 lbs.)



LOUDSPEAKERS

The Advanced Generation of Versatile, High-Performance Lightweight Speakers

The Electro-Voice ZxA5 high powered loudspeakers are fully integrated audio systems with carefully matched electronics and transducers based on ZX5 platform. These products make it easy to setup a high quality sound system quickly with a minimum amount of cables and external electronics.

You won't find a speaker system available on the market that offers the unbelievable sound, incredible flexibility and tremendous output capability of the ZxA5 anywhere near its size and weight.

ZXA5

System features

- Integrated Amplifier with 1000W LF, 250W HF
- Selectable 100 Hz High Pass
- XLR and 1/4" TRS Input Connector
- XLR Output Connector
- PowerCon Connector with Slave Through
- DVX3150 15" LF Transducer with Forced Air Cooling
- ND2 2" Voice Coil, 1" Exit Neodymium Compression Driver
- Two Models: 60° x 60° or 90° x 50° Coverage Patterns
- High Sensitivity, 133 dB Maximum SPL
- Adjustable Monitor Angle (45° or 55°)
- 3 Anchor Plates for Single Stud Fittings and 10 Integral Suspension Points



SPECIFICATIONS

ZXA5-60

ZXA5-90

Frequency range (+/-3 dB)	52-16 kHz	
Switchable Hi-Pass	40 Hz / 100 Hz Linkwitz/Riley 24 dB	
Maximum SPL (calc.); full space	133 dB	
Coverage, H° x V° (nominal -6 dB)	60° x 60°	90° x 50°
LF transducer	15" DVX-3150	
HF transducer	2" ND2	
Crossover Frequencies	1.500 Hz	
Input Connections	XLR and 1/4" TRS Input + XLR Output Connector	
Dimensions (H x W at front x D)	692 x 446 x 411 mm (27.24" x 17.56" x 16.18")	
Net Weight	22.9 kg	

Sx-Series™

For the last twenty years, EV's Sx Series loudspeakers have been the industry standard for lightweight, high-performance loudspeakers, a standard against which all others are measured. Their versatility is reinforced by their rich portfolio of accessories, from wall-mount and array brackets to monitor

feet and transport bags. The Sx series has powered everything from local wedding bands to the clogs of "Riverdance" to football games at Notre Dame Stadium, and the new Sx600 dominates the stadiums at the 2004 Olympic Summer Games in Athens, Greece.

Sx 80



- 2-Way Full-range
- Vented LF enclosure
- 1" voicecoil (titanium diaphragm)
- PRO™ Driver protection
- HF-horn features Varipath™
- Trapezoidal
- Compact dimensions
- 7 x M6 and 4 x M5 inserts
- For overview of variants, see chart at right



Sb 122/PI/PIX



- Subwoofer
- Direct radiating vented design
- Trapezoidal (25° per side)
- Lo-Pass Filter
- 4 x M8x1.25 attachment points
- Sb122PI outdoor version
- Sb122PIX for 70V/100V



Sx 100 +

- 2-Way Full-range
- Vented LF enclosure
- 1.25" voice coil (titanium diaphragm)
- PRO™ Driver protection circuit
- HF-horn features Varipath™
- Trapezoidal (25° per side)
- Physical characteristics of Sx 300 with slightly lower sensitivity
- 4 x M8x1.25 attachment inserts



Sx 300/PI/PIX

- 2-Way Full-range
- High Sensitivity
- Ultra-linear frequency response
- Vented LF enclosure
- 1.25" voice coil (titanium diaphragm)
- PRO™ Driver protection circuit
- HF-horn features Varipath™
- Trapezoidal (25° per side)
- 4 x M8x1.25 attachment inserts
- Overview of variants see right spread sheet
- Sx300 PI outdoor version
- Sx300 PIX for 70V/100V



Sx 250

- 2-Way Full-range
- Extended bass response
- 15" DL-Woofer
- 1.25" titanium diaphragm
- 80 x 55 degree horn pattern
- 18mm plywood enclosure
- Rugged FUTURA™ finish
- Five sided, multi-angle cabinet
- Built-in stand mount
- Suspensible using optional SK-1 kit



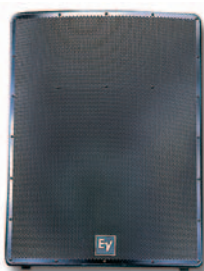
Sx 500 +



- 2-Way High-Output Fullrange
- High sensitivity
- Short horn-loaded, vented LF enclosure
- Asymmetric CD horn aimed downward by 10°
- 2" voice coil (titanium diaphragm)
- PRO™ Driver protection circuit
- HF horn features Varipath™
- Operation mode by pin arrangement
- Multi-angled array housing
- 8 x M8 x 1.25 attachment points



Sx 500 PI +



- Weatherproofed version of Sx 500+ for outdoor applications
- Weather-resistant woofer
- Polyester-mesh water shield
- Comes with foam part plugs for increased water resistance



Sx600 PI/PIX



- Two-element vertical line array
- For highest output outdoors
- Very high sensitivity (105 dB/1W/1m)
- High intelligibility
- Two 12" woofers
- DH2T driver on 65° x 65° Varipath horn
- All-weather cabinet
- SuperSAM mounting, 60° x 180° adjustable
- Waterproof connection by SJO cable with gland nut
- Internal 600 W transformer available (SX600PIX)



Feature overview for Sx-Series™



input connectors

	flying hardware	mounting hardware	white	70/100 V	weather resistant	bi-amping	RMD	input connectors
Sx 80 B/W	X	X	X				X	push-pins
Sx 80 BE	X	X					X	Speakon
Sx 80 TB/TW	X	X	X	1.9/3.8/7.5/15/30/60 W			X	covered barrier strip
Sx 100 + E/W	X	X	X		X		X	2 Speakon
Sx 300 E/EW	X	X	X		X		X	2 Speakon
Sx 300 PI	X	X			X		X	2 Speakon
Sx 300 PIX	X	X		100/140/200W (100V taps)	X		X	2 Speakon (100V taps via Pin arrangement)
Sx 500 +	X	X				X	X	Speakon
Sx 500 PI +	X	X			X	X	X	Speakon
Sx600(PI)		X			X		X	Connectors (SJO cable with gland nut)
SX600PIX		X		X	X		X	Connectors (SJO cable with gland nut)
Sb 122	X	X	X	PIX	PI		X	Speakon

SPECIFICATIONS

Sx 80

Sx 100 +

Sx 300

Sx 250

Sx 500+

Sx600PI

Sb 122

Frequency Range (-10 dB)	51 Hz - 20 kHz	60 Hz - 20 kHz	50 Hz - 20 kHz	50 Hz - 20 kHz	43 Hz - 20 kHz	70 Hz - 18 kHz	45 - 600 Hz
Recommended High-Pass Frequency	---	---	---	45 Hz (12 dB/Oct.)	43 Hz (12 dB/Oct.)	90 Hz	48 Hz (12 dB/Oct.)
Axial Sensitivity SPL 1W/1m (Biamp mode)	92 dB	98 dB	99 dB	99 dB	100 dB	105 dB	99 dB*
Max. SPL / 1m (calc.); full space	121 dB	127 dB	131 dB	130 dB	132 dB	138 dB	131 dB*
	(100V: 110 dB)		(100V: 123 dB)				
Long-Term Power Handling (low Z)	175 W	200 W	300 W	350 W	400 W	600 W	400 W
(100V resp. Biamp)	(60 W/100V)		(200 W/100V)				
Short-Term Power Handling (Peak), low Z	700 W	800 W	1,200 W	1,400 W	1,600 W	2,400 W	1,600 W
Coverage (nominal -6 dB) H° x V°	90° x 60°	65° x 65°	65° x 65°	80° x 55°	75° x 60°	65° x 65°	essentially omni
	(CD Horn)	(CD Horn)	(CD Horn)				
Directivity Index (800 - 16.000 Hz)	9.2 dB	11.1 dB	11.1 dB	11.6 dB	15.2 dB	11.3 dB	---
	(+2.3/-3.9 dB)	(+2.4/-4.1 dB)	(+2.4/-4.1 dB)	(+3.0/-6.9 dB)	(+3.0/-6.9 dB)		
LF woofer (transducer)	8" (---)	12" (---)	12" (DL12BFH)	15" (DL15BFH)	15" (DL15ST)	2 x 12" (ND12, DL12BFH)	12" (EVS12)
HF throat diameter (transducer)	1" (DH2005)	1" (DH2010A)	1" (DH2010A)	1" (DH2010A)	1" (DH2T)	1" (DH2T)	
Crossover Frequencies	2,200 Hz	1,500 Hz	1,500 Hz	1,600 Hz	1,600 Hz	1,800 Hz	160 Hz
Nominal Impedance (non-transformer)	8 Ω	8 Ω	8 Ω	8 Ω	8 Ω	4 Ω	8 Ω
Minimum Impedance (non-transformer)	7.2 Ω	5.6 Ω	6.0 Ω	5.2 Ω	5.2 Ω	3.5 Ω	6.0 Ω
Input Connections	see above	see above	2 four-pin Speakon	2 four-pin Speakon	2 four-pin Speakon	SJO cable/gland nut	2 four-pin Speakon
Dimensions (H x W at front x D)	400 x 292 x 222 mm 15.75" x 11.5" x 8.75"	586 x 429 x 312 mm 23.07" x 16.89" x 12.28"	586 x 429 x 312 mm 23.07" x 16.89" x 12.28"	625 x 431 x 330 mm 24.6" x 16.97" x 12.99"	838 x 673 x 448 mm 32.99" x 26.5" x 17.64"	1163 x 429 x 312 mm 45.79" x 16.89" x 12.28"	586 x 429 x 312 mm 23.07" x 16.89" x 12.28"
Net Weight	8.2 kg (T/PIX: 9.3 kg) 18.1 lbs. (T/PIX: 20.5 lbs.)	14.5 kg 32 lbs	14.5 kg (PIX: 17.7 kg) 30 lbs. (PIX: 49.0 lbs.)	18.1 kg 39.9 lbs.	31.3 kg 69 lbs.	36.3 kg 80 lbs.	14.6 kg 32.2 lbs.

SxA Series



SxA100+

Versatile 12", 2-way powered speaker

- Very compact, lightweight, robust polypropylene enclosure
- Real fullrange 55 Hz – 20k Hz for front-of house or monitor (with F200 monitor adapter)
- Biamped with 350 W plus 80 W peak power for a very dynamic musical response
- Mixable microphone and line inputs with a 2-band EQ
- 65° x 65° CD horn from the famous Sx 300 for an outstanding acoustic performance
- Fully compatible with Sx mounting hardware and accessories
- Pole-mount adapter



SxA100+ / SxA360

SxA250

Compact 15", 2-way powered speaker

- 7-ply plywood enclosure with EV Coat cover; extremely scratch resistant
- 5-side enclosure with 45° monitor angle
- True fullrange (55Hz – 20kHz) for front-of-house or monitor applications
- Biamped at 350W plus 80W peak power for a very dynamic musical response
- Mixable microphone and line inputs and a 2-band EQ
- EV DL15 woofer with cast aluminium frame
- DH2010A 1.25" driver with 80° x 55° CD horn
- Pole-mount adapter



SxA250

SxA360

The lightweight power package

- 129 dB SPL max. from a 36.6-lb. powered speaker
- 55 Hz - 20 kHz bandwidth for front-of-house or monitor
- DH2T 2" driver on 65° x 65° CD horn
- Built-in pole-mount adapter
- Built-in two-way amplifier: 350 W(LF)/150 W(HF) output power
- Fits all Sx300 mounting accessories
- Line in and loop thru via XLR
- PowerCon AC power connector

SbA760

Powered subwoofer

- 760 W amplifier power
- Compact, ergonomic design for easy transportation
- 15" EVS15 woofer
- Built-in stereo crossover with PowerMax12 filter
- LPN filter for extended bass response
- Dynamic Limiter and full protection package
- Integrated pole mount
- EV Coat-covered, four-wheeled cabinet

Sb760

SPECIFICATIONS

	SxA100+	SxA250	SxA360	SbA760
Frequency Response (-10dB)	55Hz to 20kHz	55Hz to 20kHz	60Hz to 18kHz	45 Hz - 150 Hz
Rated Output Power				760 W
long term	LF150/HF 50Watts	LF150/HF 50Watts	LF350W/HF 150Watts	
10ms burst	LF350W/HF 80W	LF350W/HF 80W		
Max. Sound Pressure Level	124 dB	126 dB	129 dB	128 dB
HF Coverage (nominal)	65° x 65°	80° x 55°	65° x 65°	—
Components				
LF	12" woofer	DL15BFH	DL12BFH	EVS 15 S
HF	DH 2010A	DH 2010A	DH2T	
Inputs	Microphone Input (XLR) Line Level Input (XLR/1/4") XLR out (slave)	Microphone Input (XLR) Line Level Input (XLR/1/4") XLR out (slave)	XLR and 1/4" phone Combination XLR	2 x XLR/jack combo input 2 x XLR slave through 2 x XLR Mid/Hi out
Level Controls	Mic Level (-35 dBu to 0 dBu) Master Level (-infinity to 0 dB)	Mic Level (-35dBu to 0dBu) Master Level (-infinity to 0dB)	Line level (-infinity to +6dB)	-infinity to +10 dB
2-Band EQ	LF: +/- 6dB HF: +/- 4dB	LF: +/- 6dB HF: +/- 4dB		—
Power Requirement	120V or 220-240V 50/60Hz	120V or 220-240V 50/60Hz	120V or 220-240V 50/60Hz	120V or 220-240V 50/60Hz
Dimensions	586 x 429 x 312 mm	625 x 437 x 333 mm	586 x 429 x 312 mm	603 x 428 x 665 mm
(heights x width x depth)	23.07" x 16.89" x 12.28"	24.60" x 17.20" x 13.11"	23.07" x 16.89" x 12.28"	23.74" x 16.85" x 26.18"
Weight (net)	19,5 kg (43 lbs.)	22,2 kg (48.94 lbs.)	16,6 kg (36.6 lbs.)	43 kg (94.8 lbs.)

PHOENIX Series

Phoenix is the renewal of Electro-Voice Manifold Technology that shaped sound for a generation, setting new standards for sonic excellence and extraordinary headroom. Renowned for the tremendous SPL it could achieve while still retaining clarity and punch, MT became the benchmark for sound systems around the world. Utilizing the most advanced Electro-Voice transducers, enclosure construction,

and horn design, Phoenix elevates Manifold Technology to a new zenith of performance.

HF drivers: The completely redesigned manifold plays host to dual neodymium ND2 two-inch voice-coil compression drivers in all mid/hi enclosures, including floor monitors.

LF drivers: DVX woofer series represents a major advance in loudspeaker design featuring Forced Air Directional Voice Coil Cooling for higher power rating and reduced power compression. The linear suspension geometry extends the low frequency capabilities of DVX and significantly lowers distortion.

PX2122 Top Cabinet

- Dual ND2 2" Voice Coil, 1" Exit Neodymium Compression Drivers
- Dual DVX3121 12" LF Transducers with Forced Air Cooling
- Long-Throw 30° x 45° Rotatable Coverage Pattern
- 1000W Continuous (4000W Peak) Power Handling
- Biamp Operation
- Very High Sensitivity, 138 dB max. SPL
- Integral Rigging Points for Eyebolts or Optional Rigging Kit
- Designed for horizontal arrays of two or three cabinets

PX2181 Subwoofer

- Dual Horn-Loaded DVX3180 18" LF Transducers with Forced Air Cooling
- 1000W Continuous (4000W Peak) Power Handling
- High-Efficiency Sub-Scoop™ Design
- Dual/Parallel Mode Selectable
- Very High Sensitivity, 141 dB max. SPL
- Integral Mounting Points on Rear Panel for Optional Wheel/Caster Kit
- Enclosure is Stackable in Both Horizontal and Vertical Orientations



Px2122



Px2181

SPECIFICATIONS

PX2122

PX2181

Frequency Range (-10 dB)	60 Hz - 19 kHz	40 Hz - 180 Hz
Recommended High-Pass Frequency	80 Hz (12 dB/Oct.)	32 Hz (12 dB/Oct.)
Axial Sensitivity SPL 1 W/1 m	102 dB	105 dB
Max. SPL /1 m (calc.); full space	138 dB	141 dB
LF Power Handling (Passive)	—	—
LF Power Handling (Biamp)	1000 W Cont. / 4,000 W Peak	1000 W Cont. / 4,000 W Peak
HF Power Handling (Biamp)	80 W Cont. / 320 W Peak	—
Coverage (nominal -6 dB) H° x V°	30° (or 45°) x 45° (or 30°)	Omnidirectional
LF transducer	2 x 12" DVX3121	2 x 18" DVX3180
HF transducer	2 x 2" ND2-16	—
Crossover Frequencies	1600 Hz	80 Hz - 125 Hz
LF Impedance	4 Ohms Nominal	4 Ohms Nominal
HF Impedance	8 Ohms Nominal	—
Input Connections	Neutrik Speakon NL4's	Neutrik Speakon NL4's
Enclosure Material	18 mm Plywood with EVCoat™	18 mm Plywood with EVCoat™
Dimensions (H x W x D)	1219 x 457 x 445 mm (48" x 18" x 17.5")	1219 x 569 x 758 mm (48.0" x 22.42" x 29.85")
Net Weight	50.1 kg (110.3 lbs.)	86.5 kg (190.5 lbs.)

PHOENIX Series

PX2152 Top Cabinet

- Dual ND2 2" Voice Coil, 1" Exit Neodymium Compression Drivers
- Dual DVX3150 15" LF Transducers with Forced Air Cooling
- High Sensitivity, 136 dB maximum SPL
- 60° x 45° Rotatable Coverage Pattern
- 1200W Continuous (4800W Peak) Power Handling
- Passive/Biamp Selectable
- Integral Points for eyebolts or optional Rigging Kit
- Arrayable



Px2152

PX1122M & PX1152M Monitor / Top Cabinets

- Dual ND2 2" Voice Coil, 1" Exit Neodymium Compression Drivers
- PX1122M : DVX3121 12" LF Transducer with Forced Air Cooling
- PX1152M : DVX3151 15" LF Transducer with Forced Air Cooling
- Very High Sensitivity, 132 dB(PX1122M) / 134 dB(PX1152M) max. SPL
- Ultra-Compact, Low Profile, Multipurpose Design
- 90° x 45° Coverage Pattern
- 600W Cont. (2400W Peak) Power Handling
- Passive/Biamp Selectable
- Integral Rigging Point for PX-SAM Strong Arm & Pole
- Mount for Tripod Use



Px1122M/
Px1152M

SPECIFICATIONS

	PX2152	PX1122M	PX1152M
Frequency Range (-10 dB)	50 Hz - 18 kHz	55 Hz - 19 kHz	50 Hz - 19 kHz
Recommended High-Pass Frequency	40 Hz (12 dB/Oct.)	50 Hz (12 dB/Oct.)	45 Hz (12 dB/Oct.)
Axial Sensitivity SPL 1 W/1 m	99 dB	98 dB	100 dB
Max. SPL /1 m (calc.); full space	136 dB	132 dB	134 dB
LF Power Handling (Passive)	1200 W Cont. / 4,800 W Peak	600 W Cont. / 2,400 W Peak	600 W Cont. / 2,400 W Peak
LF Power Handling (Biamp)	1000 W Cont. / 4,000 W Peak	500 W Cont. / 2,000 W Peak	Peak 500 W Cont. / 2,000 W Peak
HF Power Handling (Biamp)	80 W Cont. / 320 W Peak	80 W Cont. / 320 W Peak	80 W Cont. / 320 W Peak
Coverage (nominal -6 dB) H° x V°	60° (or 45°) x 45° (or 60°)	90° x 45°	90° x 45°
LF transducer	2 x 15" DVX3150	1 x 12" DVX3121	1 x 12" DVX3151
HF transducer	2 x 2" ND2-16	2 x 2" ND2-16	2 x 2" ND2-16
Crossover Frequencies	1,600 Hz	80 Hz - 125 Hz	1,600 Hz 80 Hz - 125 Hz
LF Impedance	4 Ohms Nominal	8 Ohms Nominal	8 Ohms Nominal
HF Impedance	8 Ohms Nominal	8 Ohms Nominal	8 Ohms Nominal
Input Connections	Neutrik Speakon NL4's	Neutrik Speakon NL4's	Neutrik Speakon NL4's
Enclosure Material	18 mm Plywood with EVCoat™	18 mm Plywood with EVCoat™	18 mm Plywood with EVCoat
Dimensions (H x W x D)	1219 x 457 x 445 mm 48" x 18" x 17.5"	546 x 366 x 305 mm 21.5" x 14.42" x 12.04"	610 x 366 x 305 mm 24.00" x 17.42" x 12.97"
Net Weight	45.6 kg (100.5 lbs.)	23.1 kg (51 lbs.)	25.1 kg (55.3 lbs.)



Gladiator

The Electro-Voice Gladiator G115 Top and G118 Sub are a powerful combination for modern dance music reproduction. Built-in passive crossovers allow one amplifier channel to drive both the sub and the full-range speaker, forming a true 3-way system.

SPECIFICATIONS	G115	G118	Gladiator System
Frequency Range (-10 dB)	35 Hz - 20 Hz	32 Hz - 20 kHz	32 Hz - 20 kHz
Power Handling Continuous (EIA)	400 W	400 W	800 W
Power Handling short term	1,600 W	1,600 W	3,200 W
Sensitivity (1W/1m)	99 dB	99 dB	100 dB
Max. SPL / 1m (calc.)	131 dB	131 dB	134 dB
Coverage (nominal -6 dB) H° x V°	60° x 40°	essentially omni	60° x 40°
LF woofer (transducer)	EVS-15FR	EVS-18S	EVS-15FR + EVS-18S
HF throat diameter (transducer)	1" DH2010A	---	DH2010A
Nominal Impedance	8 Ω	8 Ω	4 Ω
Dimensions (H x W x D)	760 x 438 x 559 mm	760 x 508 x 591 mm	2,160 x 508 x 591 mm
	29.92" x 17.24" x 22"	29.92" x 20" x 23.27"	85.04" x 20" x 23.27"
Net Weight	34.1 kg (75.2 lbs.)	36.3 kg (80 lbs.)	70.4 kg (155.2 lbs.)

Eliminator i[®]

Eliminatorⁱ is black carpet covered, made of EV's Road-Wood. The Eliminatorⁱ family, except Eliminatorⁱⁱ, have a 35 mm stand mount. Eliminatorⁱ-SE comes with a 45 cm steel pole and contains a combined electrical/acoustical low-pass filter designed for parallel combinations especially with the Eliminatorⁱ-E. The HF section is protected by a PRO[™] circuit.



Eliminator KW



Eliminator ii

Eliminator i



Eliminator i Sub

SPECIFICATIONS	Eliminator i E	Eliminator i Sub E	Eliminator ii E	Eliminator kW
Frequency Range (-10 dB)	45 Hz - 20 kHz	38 - 100 Hz	45 - 20 kHz	35 - 160 Hz
Recommended High-Pass Frequency	40-50 Hz (18 dB/Oct.)	40-50 Hz (18 dB/Oct.)	40 Hz (18 dB/Oct.)	—
Axial Sensitivity SPL 1 W/1 m	99 dB	98 dB	100 dB	101 dB
Max. SPL / 1 m (calc.); full space	99 dB	130 dB	134 dB	137 dB
Continuous Power Handling	350 W	400 W	600 W	1,000 W
Peak Power Handling (Peak)	1,400 W	800 - 1,000 W	2,400 W	4,000 W
Coverage (nominal -6 dB) H° x V°	60° x 40° (CD horn)	Essentially omni	60° x 40° (CD Horn)	Essentially omni
LF woofer (transducer)	15" (DL15BFH)	18" (DL18MT)	2 x 15" (DL15BFH)	2 x 18" (DL18MT)
HF throat diameter (transducer)	1" (DH2010A)	1" (DH2010A)	—	—
Crossover Frequencies	1,600 Hz	—	700/1,600 Hz	160 Hz
Nominal Impedance	8 Ω	8 Ω	4 Ω	4 Ω
Minimum Impedance	5.3 Ω	5.1 Ω	3.3 Ω	—
Input Connections	Parallel 1/4" phone jacks	1/4" phone input	Parallel Neutrik® NL4	Parallel Neutrik® NL4
Dimensions (H x W x D)	768 x 429 x 609 mm 30.25" x 16.9" x 24"	859 x 438 x 610 mm 33.8" x 17.25" x 24.13"	1,162 x 429 x 609 mm 45.8" x 16.9" x 24.0"	1140 x 572 x 602 mm 44.9" x 22.5" x 23.7"
Net Weight	34.4 kg (76 lbs.)	39.5 kg (81 lbs.)	54 kg (110 lbs.)	65.8 kg (145 lbs.)

Force i

Xi-Series™

Xi-Series™ brings premium touring-quality sound into installation. Inspired by the features of EV's acclaimed X-Array™ touring systems, the Xi-Series™ incorporates a potent combination of very-high-output and ultra-linear short-, medium- and long-throw systems, in two-way, three-way and four-way configurations. Xi-Series™ incorporates the acoustical advantage of EV's unique Ring-Mode Decoupling (RMD™) and features HP horns to secure excellent directivity control and even coverage.

A unique feature of the three-way systems is Vertical Beam Shaping (VBS). The three-way systems may be in 2-element or 3-element configuration to extend the vertical coverage-angle control to as low as 125 Hz, well below that permitted by the mid-bass horn alone (which typically has a band frequency of 800 Hz): Unprecedented performance in a one-box system!

To achieve sound performance without compromises, Xi-Series™ is designed for multi-way active operation, except Xi-1082 which contains a passive crossover network.

LOUDSPEAKERS

Xi-1082



- 2-Way Full-range
- Vented LF enclosure
- 1.25" voice coil (titanium diaphragm)
- Typical under-balcony slant also perfect for front-stage and near-field use
- 2 x 3/8"-16 mounting bracket inserts



Xi-1122A/85F



- 2-Way Full-range
- Vented LF enclosure
- 3" voice coil (titanium diaphragm) HF
- Integrated 35 mm stand mount
- Trapezoidal (15° per side)



Xi-1152A/64F (60° x 40°)



Xi-1152A/94F (90° x 40°)

- 2-Way Full-range
- Solid bass down to 50 Hz (-3 dB)
- Vented LF enclosure
- 3" voice coil (titanium diaphragm) HF
- Integrated 35 mm stand mount
- Trapezoidal (15° per side)





Xi 2123A



Xi 1183A
Xi 1153A
Xi2122MHA



Xi 1122MHA



Xi 2153A

Xi-1123A/106F

- 3-Way High-Output Full-range
- Vented slot load designed LF enclosure
- Horn-loaded MB/HF section fully rotatable
- 3" voice coil (titanium diaphragm) HF
- Bypassable MB/HF passive crossover
- VBS mode brings vertical directivity control down to 250 Hz
- Excellent directivity 500 Hz – 16 kHz
- Trapezoidal (9° per side)

Xi-2123A/106F



Xi-1183A/64F

- 3-Way High-Output Full-range
- Vented slot load designed LF enclosure
- Coaxial horn-loaded MB/HF section fully rotatable
- 3" voice coil (titanium diaphragm) HF
- VBS for vertical directivity control down to 200 Hz
- Excellent directivity control
- Trapezoidal (9° per side)

Xi-1153A/64F



Xi-2122MHA/42F

- 2-Way output Far-field
- MB/HF section horn-loaded
- Excellent directivity control
- Trapezoidal (9° per side)
- 3" voice coil (titanium diaphragm) HF



Xi-1122MHA/64F

- 60° x 40° for near and mid field
- MB/HF section horn-loaded
- Excellent directivity control
- Trapezoidal (9° per side)
- 3" voice coil (titanium diaphragm) HF



Xi-2153A/64F

- 3-Way High-Output Full-range
- Vented slot load designed LF enclosure
- Coaxial horn-loaded MB/HF section fully rotatable
- 3" voice coil (titanium diaphragm) HF
- VBS mode brings vertical directivity control down to 150 Hz
- Excellent directivity control
- Trapezoidal (9° per side)



Xi-Series™



Xi-1191A (F) (F = flying version)

Xi-2181A (F) (F = flying version)

- 1 x 18" Subwoofer 1191 (F)
- 2 x 18" Subwoofer 2181 (F)
- Vented design
- Superior linear excursion capability
- Accurate transient detail
- trapezoidal (9° per side)



Specification overview

SPECIFICATIONS	Xi-1082	Xi-1122A/85F	Xi-1152A/64F	Xi-1152A/94F
Frequency Range (-3 dB)	50 Hz - 20 kHz	58 Hz - 17 kHz	50 Hz - 16 kHz	50 Hz - 16 kHz
Recommended High-Pass Frequency	60-80 Hz (12 dB/Oct.)	DX 38 preset	DX 38 preset	DX 38 preset
Axial Sensitivity SPL 1W/1m	90 dB	99/110 dB	98/113 dB	98/112 dB
Max. SPL / 1m (calc.); full space	118 dB	130/135 dB	132/138 dB	132/137 dB
Long-Term Power Handling	175 W	300/75 W	600/75 W	600/75 W
Short-Term Power Handling (Peak)	700 W	1,200/300 W	2,400/300 W	2,400/300 W
Coverage (nominal -6 dB) H° x V°	90° x 40° (CD Horn)	80° x 55° (CD Horn)	60° x 40° (CD Horn)	90° x 40° (CD Horn)
Directivity Index	11.2 dB (+1.8/-2.7 dB)	10.9 dB (+1.2/-2.9 dB)	13.4 dB (+1.3/-2.3 dB)	12.3 dB (+0.7/-1.5 dB)
LF woofer (transducer)	2,000 - 20,000 Hz	1,200 - 16,000 Hz	1,200 - 16,000 Hz	1,200 - 16,000 Hz
MB woofer (transducer)	8" (---)	12" (DL-type)	15" (EVX-155)	15" (EVX-155)
HF throat diameter (transducer)	1" (DH3)	1.4" (ND6-16)	1.4" (ND6-16)	1.4" (ND6-16)
Crossover Frequencies	3,500 Hz (passive)	DX 38 preset	DX 38 preset	DX 38 preset
Nominal Impedance	8 Ω	8 Ω/16 Ω	8 Ω/16 Ω	8 Ω/16 Ω
Minimum Impedance	5.8 Ω	8.5 Ω/13.4 Ω	6.3 Ω/14.0 Ω	6.3 Ω/12.2 Ω
Input Connections	barrier strip	2 four-pin Speakon	2 four-pin Speakon	2 four-pin Speakon
Dimensions (H x W at front x D)	235 x 488 x 285 mm 9.25" x 11.21" x 11.22"	584 x 375 x 356 mm 22.99" x 14.76" x 14.01"	759 x 450 x 413 mm 29.88" x 17.72" x 16.26"	759 x 450 x 413 mm 29.88" x 17.72" x 16.26"
Net Weight	13.3 kg (29.3 lbs.)	31.3 kg (69 lbs.)	40.8 kg (89.9 lbs.)	40.8 kg (89.9 lbs.)

SPECIFICATIONS	Xi-1123A/106F	Xi-2123A/106F	Xi-1183A/64F	Xi-1153A/64F	Xi-1122MH64
Frequency Range (-3 dB)	75 Hz - 17 kHz	62 Hz - 18 kHz	66 Hz - 17 kHz	48 Hz - 17 kHz	125 Hz - 20 kHz
Recommended High-Pass Frequency	DX 38 preset	DX 38 preset	DX 38 preset	DX 38 preset	Dx38 preset
Axial Sensitivity SPL 1W/1m	96/107/112 dB	100/107/112 dB	96/107/112 dB	91.5/107/112 dB	110/112 dB
Max. SPL / 1m (calc.); full space	129/140/137 dB	135/140/137 dB	128/138/137 dB	125/138/137 dB	141/137 dB
Long-Term Power Handling	300/300/75 W	600/300/75 W	600/300/75 W	600/300/75 W	300/75 W
Short-Term Power Handling (Peak)	1,200/1,200/300 W	2,400/1,200/300 W	2,400/1,200/300 W	2,400/1,200/300 W	1,200/300 W
Coverage (nominal -6 dB) H° x V°	100° x 60° (CD Horn)	100° x 60° (CD Horn)	60° x 40° (CD Horn)	60° x 40° (CD Horn)	60° x 40° (CD Horn)
Directivity Index	10.3 dB (+1.4/-1.2 dB)	10.1 dB (+1.6/-3.5 dB)	13.3 dB (+1.4/-1.1 dB)	13.3 dB (+1.4/-1.1 dB)	13.4 dB (+2.0/-1.8 dB)
LF woofer (transducer)	500 - 16,000 Hz	160 - 16,000 Hz	800 - 16,000 Hz	800 - 16,000 Hz	800 - 16,000 Hz
MB woofer (transducer)	12" (DL-type)	2 x 12" (DL-type)	18" (EVX-180B)	15" (EVX-155)	---
HF throat diameter (transducer)	10" (DL-type)	10" (DL-type)	12" (ND-12)	12" (DL12ST)	12" (ND-12)
Crossover Frequencies	1.4 (ND6-16)	1.4 (ND6-16)	1.4" (ND6-16)	1.4" (ND6-16)	1.4" (ND6-16)
Nominal Impedance	DX 38 preset	DX 38 preset	DX 38 preset	DX 38 preset	Dx38 preset
Minimum Impedance	12 Ω/16 Ω/16 Ω	6 Ω/16 Ω/16 Ω	8 Ω/16 Ω/16 Ω	8 Ω/16 Ω/16 Ω	16 Ω/16 Ω
Input Connections	8.7 Ω/9.6 Ω/12.4 Ω	4.7 Ω/10.3 Ω/12.6 Ω	7.7 Ω/8.7 Ω/13.1 Ω	7.5 Ω/8.7 Ω/13.1 Ω	9.9 Ω/12.9 Ω
Dimensions (H x W at front x D)	2 eight-pin Speakon	2 eight-pin Speakon	2 eight-pin Speakon.	2 eight-pin Speakon.	2 eight-pin Speakon
Net Weight	801 x 456 x 473 mm 31.54" x 17.95" x 18.62"	1007 x 456 x 473 mm 39.65" x 17.95" x 18.62"	914 x 586 x 759 mm 36" x 23.07" x 29.88"	914 x 586 x 759 mm 36" x 23.07" x 29.88"	596 x 584 x 759 mm 23.47" x 22.99" x 29.88"

SPECIFICATIONS	Xi-2153A/64 F	Xi-1191A	Xi-2181A (F)	Xi-2122MHA/42F
Frequency Range (-3 dB)	55 Hz - 18 kHz	37 Hz - 160 Hz	38 Hz - 160 Hz	120 Hz - 16 kHz
Recommended High-Pass Frequency	DX 38 preset	DX 38 preset	DX 38 preset	Dx38 preset
Axial Sensitivity SPL 1W/1m	100/107/112 dB	94 dB	99 dB	112/116 dB
Max. SPL / 1m (calc.); full space	133/138/137 dB	128 dB	136 dB	146/144 dB
Long-Term Power Handling	1,200/300/75 W	600 W	1,200 W	600/150 W
Short-Term Power Handling (Peak)	4,800/1,200/300 W	2,400 W	4,800 W	2,400/600 W
Coverage (nominal -6 dB) H° x V°	60° x 40° (CD Horn)	essentially omni	essentially omni	40° x 20° (CD Horn)
Directivity Index	13.4 dB (+1.4/-1.2 dB)	2.7 dB (+1.0/-0.6 dB)	3.4 dB (+1.4/-0.9 dB)	17.2 dB (+2.0/-2.7 dB)
LF woofer (transducer)	800 - 16,000 Hz	63 - 100 Hz	63 - 200 Hz	800 - 16,000 Hz
MB woofer (transducer)	2 x 15" (EVX-155)	18" (EVX-180B)	2 x 18" (EVX-180B)	---
HF throat diameter (transducer)	12" (DL-type)	---	---	2 x 12" (ND12)
Crossover Frequencies	1.4" (ND6-16)	---	---	2 x 1.4" (ND6-16)
Nominal Impedance	DX 38 preset	DX 38 preset	DX 38 preset	Dx38 preset
Minimum Impedance	4 Ω/16 Ω/16 Ω	8 Ω	2 x 8 Ω	8 Ω/8 Ω
Input Connections	3.8 Ω/8.9 Ω/13.1 Ω	6.7 Ω	2 x 6.0 Ω	4.9 /7.0
Dimensions (H x W at front x D)	2 eight-pin Speakon	2 eight-pin Speakon	2 eight-pin Speakon	2 eight-pin Speakon
Net Weight	1,233 x 586 x 759 mm 48.54" x 23.07" x 29.88"	914 x 586 x 759 mm 35.98" x 23.07" x 29.88"	914 x 586 x 759 mm 35.98" x 23.07" x 29.88"	914 x 584 x 759 mm 35.98" x 22.99" x 29.88"

X-Array™

X-Array™ speaker systems provide world-class performance and flexibility for the ultimate in concert touring systems. It incorporates unique “one-man” rigging and neodymium magnets for very large arrays.

The X-Array™ X-Series™ represents important advancements in concert-sound reinforcement technology. Design goals called for the highest acoustic output capability with the highest fidelity in relatively lightweight, compact enclosures that were easy to array. The individual systems, drivers, horns, enclosures, rigging hardware and system configurations were designed from the ground up specifically for this high-performance application. For easier handling, special speaker dollies are available.

RMD™ X-Array™’s design process also resulted in the development of EV’s most ingenious acoustic technologies, RMD™. RMD™ gives X-Array™ unprecedented acoustic output and excellent directivity control. EV’s traditional top-down development strategy ensured the incorporation of this essential acoustic advantage into other EV products.

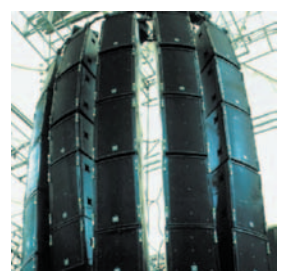
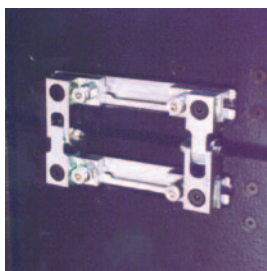
Rigging for Large Arrays: unique rear-hinge system for fast, easy and secure rigging. A 64-box hang goes up or

down in 30 minutes. Front rigging straps control vertical aiming, rear fixed hinge makes tilting easy. Mating positioning recesses on cabinet tops and bottoms help to assemble and disassemble an array on the ground, a layer at a time. A detailed flying manual and structural ratings handbook is available. The X-Array™ one-person rigging hardware has earned German TÜV approval.

Neodymium magnetics: for lighter weight and maximum acoustic output. All 12-inch mid-bass transducers are the ND12A, for a 3-dB average increase in output. Neodymium in the ND6-16 compression driver increases output in the upper octaves. The ND6-16 driver features a 3” titanium diaphragm.

Amping and Controller: X-Array™ is powered by EV’s world-famous Precision Series™ amplifiers and controlled by Klark Teknik DN9848 digital 4-in/8-out controller, DSP controlled Precision Series amplifiers, or the Electro-Voice Dx38 for flexible and easy configurations.

X-Array™ is constructed from 13-ply birch plywood finished in black textured paint and protected by a powder-coated steel front grille backed with foam.





Xf, Xn and Xb look identical



Xf

- 2-way output far-field
- MB/HF section horn-loaded
- Height same as Xn, Xb
- Excellent directivity control
- Trapezoidal (9° per side)

Xn

- 3-way output near-field
- MB/HF section horn-loaded and rotatable
- Height same as Xf, Xb
- Excellent directivity control
- Trapezoidal (9° per side)

Xb

- High-output LF cabinet
- Manifolded, vented design
- Height same as Xn, Xf
- Accurate transient detail
- Trapezoidal (9° per side)



Xcn and Xcb look identical



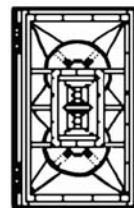
Xcn

- 2-way output near-field
- Height same as Xcb
- MB/HF section identical to Xn and rotatable
- Excellent directivity control
- Trapezoidal (9° per side)

Xcb

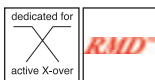
- High-output LF cabinet
- Vented design
- Height same as Xcn
- Equivalent to half of an Xb
- Accurate transient detail
- Trapezoidal (9° per side)

Sketch of a Xf



Xds

- Extraordinary output low-end sub
- Manifolded, vented design
- Accurate transient detail
- Trapezoidal (18° per side)
- Designed for ground stacking



Xw 12A / Xw 15A

- 2-way high-output Floor monitor
- Vented LF enclosure
- 3" voice coil (titanium diaphragm) for low distortion
- Two symmetrical 55° angles



SPECIFICATIONS

	Xf	Xn	Xcn	Xb
Frequency Range (-3 dB)	125 Hz - 20 KHz	48 Hz - 20 KHz	125 Hz - 20 KHz	37 Hz - 200 Hz
Recommended High-Pass Frequency	Systemcontroller	Systemcontroller	Systemcontroller	Systemcontroller
Axial Sensitivity SPL 1W/1m	112/116 dB	95/110/112 dB	110/112 dB	98.5 dB
Max. SPL / 1m (calc.); full space	146/144 dB	129/141/137 dB	141/137 dB	135 dB
Long-Term Power Handling	600/150 W	600/300/75 W	300/75 W	1.200 W
Short-Term Power Handling (Peak)	2.400/600 W	2.400/1.200/300 W	1.200/300 W	4.800 W
Coverage (nominal -6 dB) H° x V°	40° x 20° (CD Horn)	60° x 40° (CD Horn)	60° x 40° (CD Horn)	240° x 300° (63-200 Hz)
Directivity Index	17.2 dB (+2.0/-2.7 dB) 800 Hz - 16 KHz	13.7 dB (+1.4/-1.4 dB) 800 Hz - 16 KHz	13.4 dB (+2.0/-1.8 dB) 800 Hz - 16 KHz	3.4 dB (+1.4/-0.9 dB) 63 - 200 Hz
LF woofer (transducer)		18" (EVX-180B)		2 x 18" (EVX-180B)
MB woofer (transducer)	2 x 12" (ND12A)	12" (ND12A)	12" (ND12A)	---
HF throat diameter (transducer)	2 x 1.4" (ND6-16)	1.4" (ND6-16)	1.4" (ND6-16)	---
Crossover Frequencies	Dx38 preset	Dx38 preset	Dx38 preset	Dx38 preset
Nominal Impedance	8 Ω/8 Ω	8 Ω/16 Ω/16 Ω	16 Ω/16 Ω	2 x 8 Ω
Minimum Impedance	4.9 Ω/7.0 Ω	6.5 Ω/9.4 Ω/14.0 Ω	9.9 Ω/12.9 Ω	2 x 6.4 Ω
Input Connections	2 eight-pin Speakon	2 eight-pin Speakon	2 eight-pin Speakon	2 eight-pin Speakon
Dimensions (H x W at front x D)	914 x 584 x 759 mm 36" x 22.99" x 29.88"	914 x 584 x 759 mm 36" x 22.99" x 29.88"	596 x 584 x 759 mm 23.47" x 22.99" x 29.88"	914 x 584 x 759 mm 36" x 22.99" x 29.88"
Net Weight	87.1 kg (192 lbs.)	87.1 kg (192 lbs.)	60.8 kg (134 lbs.)	83.5 kg (184 lbs.)

SPECIFICATIONS

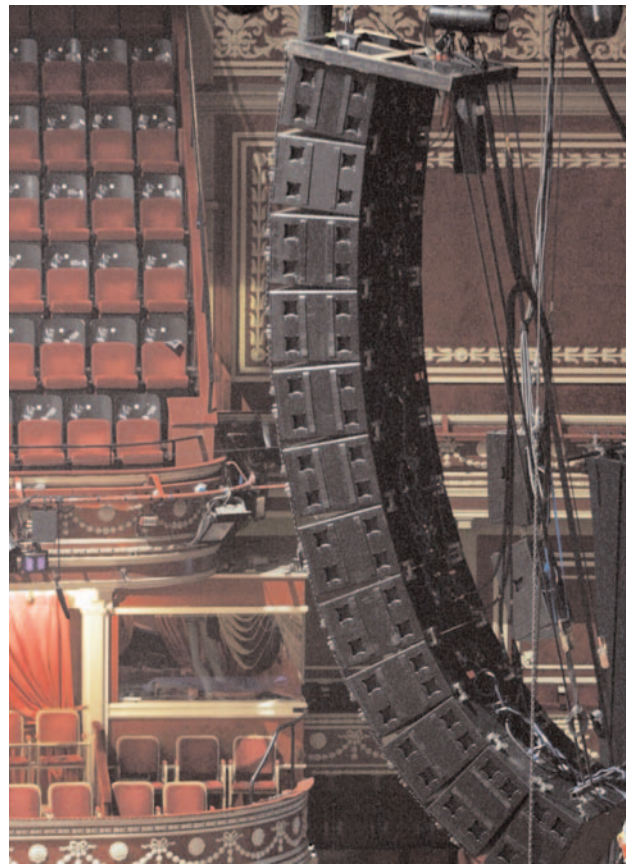
	Xcb	Xds	Xw12A	Xw15A
Frequency Range (-3 dB)	37 Hz - 200 Hz	32 Hz - 200 Hz	65 Hz - 16 KHz	55 Hz - 18 KHz
Recommended High-Pass Frequency	Systemcontroller	Systemcontroller	Systemcontroller	Systemcontroller
Axial Sensitivity SPL 1W/1m	95 dB	100 dB	98/110 dB	99/110 dB
Max. SPL / 1m (calc.); full space	129 dB	137 dB	129/135 dB	133/135 dB
Long-Term Power Handling	600 W	1.200 W	300/75 W	600/75 W
Short-Term Power Handling (Peak)	2.400 W	4.800 W	1.200/300 W	2.400/300 W
Coverage (nominal -6 dB) H° x V°	300° x 270° (63-200 Hz)	180° x 200° (63-200 Hz)	55° x 80° (CD Horn)	55° x 80° (CD Horn)
Directivity Index	2.7 dB (+1.0/-0.6 dB) 63 - 200 Hz	4.8 dB (+2.1/-1.7 dB) 63 - 200 Hz	11.6 dB (+2.3/-2.1 dB) 1,200 Hz - 16 KHz	11.6 dB (+3.0/-3.6 dB) 1,200 Hz - 16 KHz
LF woofer (transducer)	18" (EVX-180B)	2 x 18" (EVX-180B)	12" (DL-type)	15" (EVX-155)
MB woofer (transducer)	---	---	DL12ST	---
HF throat diameter (transducer)	---	---	1.4" (ND6-16)	1.4" (ND6-16)
Crossover Frequencies	Dx38 preset	Dx38 preset	Dx38 preset	Dx38 preset
Nominal Impedance	8 Ω	2 x 8 Ω	8 Ω/16 Ω	8 Ω/16 Ω
Minimum Impedance	5.6 Ω	2 x 6.1 Ω	8.2 Ω/10.5 Ω	7.2 Ω/14.3 Ω
Input Connections	2 eight-pin Speakon	2 eight-pin Speakon	2 four-pin Speakon	2 four-pin Speakon
Dimensions (H x W at front x D)	596 x 584 x 759 mm 23.47" x 22.99" x 29.88"	914 x 1.166 x 759 mm 35.98" x 45.91" x 29.88"	534 x 449 x 313 mm 23" x 17.2" x 12.2" (in floor position)	644 x 452 x 340 mm 25.4" x 18" x 13.4" (in floor position)
Net Weight	55.8 kg (123 lbs.)	121.0 kg (266 lbs.)	21.9 kg (48 lbs.)	28.4 kg (62.5 lbs.)

X-Line™

Development of the new EV® X-Line™ system was driven by the need for a high-level concert touring enclosure that combines the sonic impact and vocal intelligibility of the renowned X-Array™ system with the uniform, predictable coverage that only a line-array configuration can deliver. The EV engineering team set out to develop the next generation of line-array systems, combining their years of experience in the development of X-Array™ with the absolute latest state-of-the-art technologies. As a matter of course, X-Line™ features the essential acoustical advantage of RMD™.

The X-Line™ system was designed to provide wide horizontal dispersion (90 degrees) from a single vertical line array while providing exceptionally coherent wavefront summing in the vertical plane. At the heart of X-Line™ is a proprietary high-frequency wavefront alignment and summation device – the Hydra™ – that provides planar and time-coherent signal addition. The broad bandwidth vertical planar summing provides uniform sound field distribution throughout the listening area.

Stereo imaging is improved by the X-Line™'s full-bandwidth mid-bass loading. Extended low-frequency polar control produces more uniform power response, further enhancing overall system intelligibility. The overall power response of the X-Line™ is very uniform across a wide frequency spectrum, thus enabling the system's very musical sonic character.



If every performance space conformed to the same acoustic ideal, any linear loudspeaker array would suffice. But every arena, concert hall, and stadium is a unique space, and the one-box, one-dimensional design of most linear arrays just can't adapt. X-Line™ is different. X-Line™ combines the power and vocal clarity of the X-Array™ with a versatile, fully configurable linear array design, plus the efficiency of one-person rigging.

X-Line™ lets you stack Xvls enclosures at the top of an array for long throw with a 90° horizontal included angle, followed by Xvlt enclosures for the shorter throw and 120° horizontal coverage needed at the J-curve of the array. Completing the X-Line™ system are Xsub subwoofers that can be flown next to the main array or ground stacked.

X-Line™ is made of 13-ply birch plywood with structural aluminum reinforcement and is finished with a rugged foam-backed steel grille to protect the drivers. A user guide with detailed specifications is available on request. Electro-Voice recommends using the Klark Teknik DN9848 or EV's Dx38 as the system controller, along with EV® P3000 power amplifiers. P3000RL or TourGrade DSP-controlled amplifiers provide the ultimate solution in control through IRIS-Net™.

Xvls

- High-output, three-way line-array system
- Rectangular cabinet designed for upper section of linear array
- 90° horizontal coverage pattern ideal for long-throw applications
- New EV® Hydra™ time-synchronized HF vertical plane-wave generator provides excellent far-field summing
- Ring Mode Decoupling® (RMD®) provides level-independent fidelity, greater midbass clarity, and high frequency accuracy
- Proprietary rigging allows for rapid venue load-in and load-out



Xvlt

- High-output, three-way line-array system
- Five-degree trapezoidal cabinet design for lower "J" section of linear array
- 120° horizontal coverage typical for medium-throw assignment
- New EV Hydra™ time-synchronized HF vertical plane wave generator provides excellent far-field summing
- Ring Mode Decoupling® (RMD®) provides level-independent fidelity, greater midbass clarity, and high frequency accuracy
- Proprietary rigging allows for rapid venue load-in and load-out



Xsub/f

- High-output, line-array subwoofer system
- Rectangular cabinet with footprint identical to other X-Line systems
- Can be flown or ground-stacked with non-flying version
- Proprietary rigging allows for rapid venue load-in and load-out



SPECIFICATIONS

	Xvls	Xvlt	Xsub/f
Frequency range (-3 dB)	40 Hz–16 kHz	40 Hz–16 kHz	33–400 Hz
Recommended high-pass frequency	50 Hz	50 Hz	33 Hz
Sensitivity (SPL 1 W/1 m) (LF/MB/HF)	101 dB/111 dB/118 dB	101 dB/111 dB/117 dB	100/106 dB*
Max. SPL/1m (calc.) (LF/MB/HF)	132 dB/139 dB/142 dB	132 dB/139 dB/141 dB	131/137 dB*
Long-term power handling (LF/MB/HF)	1,200 W/600 W/225 W	1,200 W/600 W/225 W	1,200 W
Short-term power handling (LF/MB/HF)	4,800 W/2,400 W/900 W	4,800 W/2,400 W/900 W	4,800 W
Coverage (H° x V°)	90° x 5°	120° x 9°	200° x 325°
LF driver	2 x EVX-155 Plate	2 x EVX-155 Plate	2 x EVX-180B
MB driver	2 x ND08	2 x ND08	—
HF driver	3 x ND6	3 x ND6	—
Crossover frequencies	220 Hz/1,250 Hz	220 Hz/1,250 Hz	80 Hz
Nominal impedance	2 x 8 Ω/8 Ω/5.3 Ω	2 x 8 Ω/8 Ω/5.3 Ω	2 x 8 Ω
Input connections	2 Neutrik® NL8	2 Neutrik® NL8	2 Neutrik® NL8
Dimensions (H [front/rear] x W x D)	494.3/494.3 x 1244.6 x 740.4 mm 19.46"/19.46" x 49" x 29.15"	494.3/429.7 x 1244.6 x 740.4 mm 19.46"/16.92" x 49" x 29.15"	494.3/494.3 x 1244.6 x 740.4 mm 19.46"/19.46" x 49" x 29.15"
Net weight	117 kg (257 lbs.)	115 kg (253 lbs.)	92 kg (202 lbs.)

* 1/2-space

The XLC SYSTEM

While the flagship X-Line meets the acoustical needs of the largest venues and arenas, EV's compact line-array, XLC, was designed to match the demands for easy setup and transportation combined with outstanding sonic results in a large variety of venue sizes.

SYSTEM FEATURES:

- Wide, constant horizontal coverage pattern of 120°
- Four-way system; bi- or tri-ampable fullrange cabinets
- Rigging hardware totally integrated into cabinets
- Front rigging/rear aiming concept enables precise control of vertical line source pattern

XLC 127DVX / XLCi 127DVX

Main Cabinet

This cabinet is the main component in a XLC line array. Starting with a minimum of four cabinets, a reasonable array size uses six to eight boxes, up to a maximum of 16 for larger arenas. The three-way axis-asymmetric design includes a single EV DL-12 low-frequency/mid-bass woofer optimized for this cabinet. Two 6.5" DVN2065 horn-loaded drivers in a vertical array cover the mid-frequency bandpass.

The XLC127DVX utilizes two ND6 (3" voice-coil) neodymium compression drivers loaded on two Hydra™ plane wave generators. With a horizontal coverage of 120°, the XLC system accurately covers wide areas while maintaining excellent imaging and lobe-free coverage. This cabinet is also available with dedicated rigging for fixed installations as XLCi 127DVX.

XLC 118 / XLCi 118

XLC 215 / XLCi 215

Subwoofer

If subwoofers shall be integrated in the array, or flown separately, XLC offers two options. The XLC118 is a direct radiating 18" sub using the EVX180B woofer. The XLC215 has the exact same dimensions, but utilizes two of EV's latest 15-inch DVX-woofers, the DVX3150. Flying subwoofers benefits in a more even front-to-back SPL distribution. Both cabinets are also available as i-versions for installations.





Specifications



LOUDSPEAKERS

Technical Specifications for XLC Cabinets

Specification	Xlc 127DVX / Xlci 127DVX	Xlc 118 / Xlci 118	Xlci215
Horizontal Coverage	120°	300°	300°
LF Power Handling	500 W cont./2000 W peak	600 W cont./2400 W peak	1000W/4800W
MB Power Handling	300 W cont./1200 W peak	—	—
HF Power Handling	150 W cont./600 W peak	—	—
Sensitivity (LF/MB/HF)	95 dB/101 dB/110 dB	102 dB*	103 dB*
Max. SPL (calc.)	126/130/138 dB	130/136 dB*	139 dB
LF Transducer	1 x 12" DVX3121	EVX180B	2xDVX3150
MB Transducer	2x DVN 2065	—	—
HF Transducer	2 x ND6-16	—	—
Connectors	2 Neutrik® NL8	2 Neutrik® NL8	2 Neutrik® NL8
Enclosure Material	EV®-coated plywood	EV®-coated plywood	EV®-coated plywood
Grille	Powder-coated steel	Powder-coated steel	Powder-coated steel
Environmental Specs	IEC 529 IP24 MIL STD 810	IEC 529 IP24 MIL STD 810	
Dimensions (H x W x D)	362 x 991 x 572 mm 14.25" x 39" x 22.5"	546 x 991 x 572 mm 21.5" x 39" x 22.5"	546 x 991 x 572 mm 21.5" x 39" x 22.5"
Net Weight	50,4 kg (111 lbs)	54.5 kg (120 lbs)	54.5 kg (120 lbs)

*Half space environment



Xlc 127DVX shown



Perfect System Control using
RACE-processed presets for DX38
and P-Series RL Remote Amplifiers



Recommended System Drive for XLC (in triamp mode)

Cabinet:	XLC 127DVX	XLC 118	XLC215
HF:	CP3000S / P3000 RL / TG5	-	-
MB:	CP3000S / P3000 RL / TG5	-	-
LF:	CP3000S / P3000 RL / TG5	CP4000 S / P3000 RL	CP4000S/P3000RL/TG5
System Controller:	Dx38 or DSP Controlled Precision Series Amplifiers (RL) or Tour Grade		

X-Line Very Compact

Designed for most demanding audio applications that require the most compact format, X-Line Very Compact offers a unrivaled combination of output capability, sonic performance and size. Combined with the large amount of accessories like coupler-grids, ground-stack kit and even adapter grid to the bigger XLC, XLVC is a preferred choice for concert applications as well as installations. While expectations of audio performance in terms of SPL, natu-

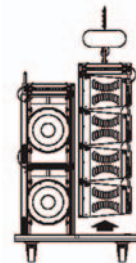
ral response and uniform coverage have expanded, demand for smaller and lighter sound systems has increased. X-Line Very compact offers the best of both worlds: XLD systems are capable of producing concert SPL levels on full bandwidth in small to medium sized venues. Smaller XLE-systems are ideal for critical audio requirements where overall cluster size is highest priority.



X-Line Very Compact

**Two options of size and performance:
XLD or XLE**

- Two ND2HF drivers for maximum output & headroom
- Unrivaled even front-to-back and side-to-side coverage
- Easy to set-up, transport and operate
- Complete system including DSP, amplification, and rigging



XLD201 and XS212 can be flown straight from the dolly

X-Line Very Compact

EV's Hydra™ used in X-Line and XLC has an overall height of 7-inches (17.5cm). In order to maintain the extraordinary HF response, a new 4-inch (10cm) Hydra was developed to match the DVN2080 8-inch woofer. Each of the two Hydras

is driven by the new ND2S, a 2" neodymium compression driver. A single waveguide is fed with the plane wave from the hydras resulting in wide bandwidth, even horizontal coverage, and predictable vertical coverage.

XLD281

- Full Bandwidth 3-way Element (60Hz-20kHz)
- Very Compact, Lightweight
- CCT™ (Coverage Control Technology)
- 120° Horizontal Coverage to 250 Hz
- Simple, Quick Integrated Rigging
- Versatile Subwoofer Integration
- Bi-Amp or Tri-Amp Operation
- Neodymium Transducers
- LAPS Aiming and Flying Software

XS212

- 2 x 12" DVX3120 Woofer
- Same Footprint & Compatible Rigging to XLD281 can be flown behind the array with optional C-Beam

XLE181

- Full Bandwidth 2-Way Element (75Hz-20kHz)
- Most Compact, Very Lightweight
- Simple, Quick Integrated Rigging
- Bi-Amp or Fullrange Operation
- Neodymium Transducers
- LAPS Aiming and Flying Software



XLD281



XS212



XLE181

SPECIFICATIONS

	XLD281	XLE181	XS212
HF Frequency Range (-3dB)	75 Hz - 18 kHz	90 Hz - 18 kHz	Hz - 100Hz
Max SPL (Calc.) Peak	141 dB *	138 dB*	136 dB**
Horizontal Coverage:	120 °	120 °	-
Power Handling cont.	200/200/80W	200/80W	1000W
Power Handling Peak	800/800/320W	800/320W	4000W
LF Transducer	2 x DVN2080	DVN2080	2 x DVX3120
HF Transducer	2 x ND2-8	2 x ND2-8	-
Nominal Impedance	16/16/16 Ohms	16/16 Ohms	4 Ohms
Dimensions	726 x 251 x 369mm 28.58" x 9.9" x 14.52"	516 x 251 x 369 mm 20.3" x 9.9" x 14.52"	726 x 508 x 378 mm 28.58" x 20" x 14.9"
Weight	21.8 kg (48 lbs)	17.2 kg (38 lbs)	38.5 kg (85 lbs)

*array for 4 cabinets **half space

Line Array Prediction Software: LAPS

Line Array Prediction Software (LAPS) for EV XLC and X-Line systems makes system behavior predictable. Entire hang setups, including motor loads, cabinet aiming, and resulting sound pressure distribution, can be calculated before physical hang setup. Available for free at www.electrovoice.com.

(A) Set up your environmental parameters

Venue: _____ Date: _____
Event: _____ Designer: _____

Room Data Entry

Location	Depth (X)	Height (Z)
A	0,0 Meters	0,0 Meters
B	30,0 Meters	0,0 Meters
C	45,0 Meters	1,5 Meters
D	35,0 Meters	3,0 Meters
E	45,0 Meters	4,5 Meters
F	36,0 Meters	6,0 Meters
G	45,0 Meters	7,5 Meters

Room Measurements are made from:
☒ Floor ☐ Stage
Stage Position (front edge):
☐ behind array ☒ In front of array
Distance from Front of Array: 0,9 Meters
Height from Floor: 1,4 Meters

Height at top of main floor riser: 1,5 Meters
Height at top of 1st balcony: 4,5 Meters
Height at top of 2nd balcony: 7,5 Meters

Venue Measurement Points: A, B, C, D, E, F, G

Room Data Entry:
Distance/Angle: Enter the distance from the floor directly under the hang to the seat locations A through G. Enter the angle from the floor directly under the hang to seat locations C through G.
Site Plan: Enter the depth of venue and the height of the venue measured from the floor under the hang to each seat location. These dimension are usually obtained from architectural drawings.
Measurements made from Floor or Stage: Select where you are standing when the room measurements are made. If Stage is selected the height and depth of the stage are added to measurement position, adjusting the seating plane locations (B through G) accordingly. selected the stage position is shown for reference but does not effect the room geometry.
Stage Position: Enter distance to the front edge of the stage relative to the top rear edge of top cabinet in the array, always enter a positive number and select whether the stage is behind or in front of the array.
Indoors/Outdoors: If outdoors is selected the acoustic model will include an extra factor that approximates the effects of thermal gradients that occur on warm sunny days. This effect occurs when the temperature at ground level is several degrees higher than the temperature at 20 or 30 feet above the ground.

(B) Trim your hang for optimum SPL distribution

Venue: _____ Date: _____
Event: _____ Designer: _____

Grid

Grid	Elev	Dist
1	0,0 Elev	0,0 Dist
2	0,0 Elev	0,0 Dist
3	0,0 Elev	0,0 Dist
4	0,0 Elev	0,0 Dist
5	0,0 Elev	0,0 Dist
6	0,0 Elev	0,0 Dist
7	0,0 Elev	0,0 Dist
8	0,0 Elev	0,0 Dist
9	0,0 Elev	0,0 Dist
10	0,0 Elev	0,0 Dist
11	0,0 Elev	0,0 Dist
12	0,0 Elev	0,0 Dist

NUMBER OF CABINETS
 12
 TOP CABINET TRIM
 5,06 m
 BOTTOM CABINET TRIM
 4,0 m
 1,6 m

Array Weight 604,2 Kg
Array Height 0,02 m
Array Depth 0,02 m

Motor Loads
 Dist. To Rear Hinge 0,1 m
 Motor Load 542,9 Kg

Rigging Loads
 Top Box Load 587,0 Kg
 Popping Limits In Limits

Warnings
 Front Point 17,2 Kg
 In Limits

Update Predictions Full Range Subwoofers
 Peak SPL (0-0 dB) 112 dB

Relative SPL Along Seating Planes

Graph: Shows Relative SPL (dB) vs. Distance (m) for Main Floor, 1st Balcony, and 2nd Balcony. The Main Floor graph shows a peak SPL of 112 dB at 0,9 m distance.

(C) Set up your line array according to calculated parameters and enjoy excellent sound quality.

Floor Monitors

The following two pages give you an overview about of EV's professional floor monitors. All monitors shown have optimized monitor angles and, as is typical with EV, have very

low feedback properties. For technical details or information about recommended high-pass frequencies, refer to the appropriate product pages.



Sx250/SxA250

- 350 W (longterm) / 150W + 50W powered
- 15" / 1" exit
- max. SPL 130 dB/1m
- 45° monitor angle



100° x 100°

FRi-28LPM

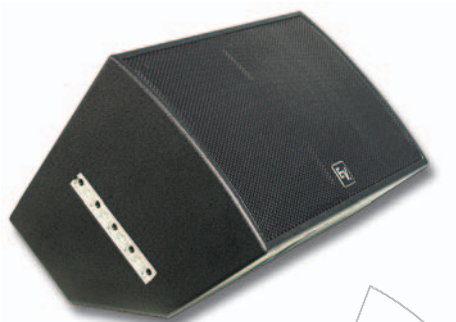
- Low profile ideal for theater front stage
- 2x8" / 1" voicecoil
- 200 W (long-term)
- Max. SPL 122 dB/1m (calc.)
- 45° monitor angle



75° x 50°

Rx 112/75

- Perfect for high performance monitoring in concert sound applications
- 12" / 1.4" exit
- 300 W (long-term)
- Max. SPL 131 dB/1m (calc.)
- 55° (approx.) monitor angle
- Integrated stand mount and optional L-Track rigging allows flexible usage
- Note: in monitor position rotate the horn with so the 35° dispersion is pointing upwards.
- Note: press high-pass (mid/high-mode) at controller amp module M-112 when used on floor



75° x 50°

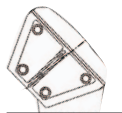
Rx 115/75

- Perfect for high -performance monitoring in concert-sound applications
- 15" / 1.4" exit
- 400 W (long-term)
- Max. SPL 110 dB/1m (calc.)
- 55° (approx.) monitor angle
- Integrated stand mount and optional L-Track rigging allows flexible usage
- Note: in monitor position rotate the horn with so the 35° dispersion is pointing upwards.
- Note: press high-pass (mid/high-mode) at controller amp module M-115 when used on floor





65° x 65°



Sx 100 and Sx 300 (shown with F200)

- Symmetrical horn 65° x 65°
- 12" / 1" exit
- Sx 300: 300 W (long-term) Sx 100+: 200W (longterm)
- 50° (approx.) monitor angle
- F200 necessary (monitor feet, black)

wh
white

RMD™



SxA100+

SxA360

- Built-in 2-way amplifier (150W+50W cont.; 380W+80W peak)
- 12" / 1" exit
- max. SPL 124 dB/1 m
- 50° (approx.) monitor angle
- F200 included (monitor feet, black)

- 350 W LF + 150 W HF Output Power
- Only 16.6 kg (43 lbs)
- 2" Voice Coil DH2T Compression Driver
- Dynamic Filters provide Overload Protection & Linear Response



RMD™



55° x 80°



PX1122/PX 1152

- Dual ND2 2" Voice Coil, 1" Exit Neodymium Compression Drivers
- PX1122M : DVX3121 12" LF Transducer with Forced Air Cooling
- PX1152M : DVX3151 15" LF Transducer with Forced Air Cooling

- Very High Sensitivity, 132 dB(PX1122M) / 134 dB(PX1152M) max. SPL
- Ultra-Compact, Low Profile, Multipurpose Design
- 90° x 45° Coverage Pattern
- 600W Cont. (2400W Peak) Power Handling
- Passive/Biamp Selectable
- Integral Rigging Point for PX-SAM Strong Arm & Pole
- Mount for Tripod Use

Ω/Ω
bi-amping

RMD™



55° x 80°



Xw 12A

- Perfect for highest-performance monitoring in concert-sound applications
- 12" / 1.4" exit
- 300/75 W (long-term)
- Max. SPL 130 dB/1m (calc.)
- Two 55° angles allows symmetrical monitor set-ups
- Dedicated digital controller is Dx38

dedicated for
active X-over

RMD™



55° x 80°



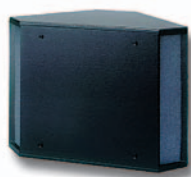
Xw 15A

- Perfect for highest-performance monitoring in concert-sound applications
- 15" / 1.4" exit
- 600/75 W (long-term)
- Max. SPL 133 dB/1m (calc.)
- Two 55° angles allows symmetrical monitor set-ups
- Dedicated digital controller is Dx38

dedicated for
active X-over

RMD™

Subwoofers



EVID 12.1



EVID C10.1



FRi + 181S



FRX+181

Application	Installation	Ceiling Installation	Installation	Installation
Woofers Type	1 x 12" slot loaded	1 x 10"	1 x 18"	1 x 18"
Power Handling cont.	2 x 175 W	150 W	400 W	400 W
Sensitivity(1W1m)	100 dB**	94 dB*	97 dB/103 dB*	96 dB/102 dB*
Max. SPL (peak)	125 dB **	122 dB *	129 dB/135 dB*	128 dB /134 dB*
Internal X-Over	stereo w/ hi-pass out	lowpass	no	no
Flying	no	no	eyebolts	L-track
Dimensions H/W/D (mm)	412 x 584 x 305 mm 16.22" x 23" x 12"	320 mm diameter 12.6" diameter	711 x 597 x 762 mm 28" x 23.5" x 30"	787 x 719 x 660 mm 31" x 28.3" x 26"
Weight	18.1 kg (39.9 lbs.)	7 kg (15.4 lbs.)	45.5 kg (100.3 lbs.)	45.5 kg (100.3 lbs.)



Eliminator i Sub



Eliminator KW



Sb 122



SbA 760

Application	Pro Music	Pro Music	Pro Music, Installation	Pro Music, Installation
Woofers Type	1 x 18"	2 x 18"	1 x 12"	1 x 15"
Power Handling cont.	400 W	1000 W AES	400 W	760 W amplifier
Sensitivity(1W1m)	98 dB/104 dB*	101 dB/107 dB*	99 dB*	
Max. SPL (peak)	130 dB/136 dB*	137 dB/143 dB*	131 dB*	128 dB/134 dB*
Internal X-Over	lowpass	no	lowpass	built-in active X-Over
Flying	no	no	optional SX Hardware	no
Dimension H/W/D (mm)	856 x 435 x 609 33.7" x 17.25" x 24"	1140 x 569 x 597 44.9" x 22.4" x 23.5"	586 x 429 x 312 23.1" x 16.9" x 12.3"	603 x 428 x 665 23.7" x 16.9" x 26.2"
Weight	39.5 kg (89 lbs.)	65.8 kg (145 lbs.)	15.0 kg (33 lbs.)	43 kg (94.8 lbs.)

* 1/2-space SPL, ** 1/4-space SPL

Subwoofers



Rx118S



RX215S



Rx218S



XLC215

Application	Pro Music Concert Sound	Pro Music Concert Sound	Pro Music Concert Sound	Concert Sound Installation
Woofer Type	1 x 18"	2 x 15"	2 x 18"	2 x 15"
Power Handling cont.	600 W	800 W	800 W	1000 W
Sensitivity(1W1m)	98 dB /104 dB*	98 dB /104 dB*	99 dB /105 dB*	97 dB /103 dB*
Max. SPL (peak)	131 dB /137 dB*	133 dB / 139 dB*	134 dB /140 dB*	133 dB /139 dB*
Internal X-Over	no	no	no	no
Flying	no	no	optional	XLC rigging
Dimensions H/W/D	900 x 450 x 600 mm 35.4" x 17.7" x 23.6"	900 x 450 x 600 mm 35.4" x 17.7" x 23.6"	990 x 560 x 600 mm 39" x 22.05" x 23.6"	546 x 991 x 572 mm 21.5" x 39" x 22.5"
Weight	47.5 kg (104.7lbs.)	48.5 kg (103 lbs.)	59.5 kg (130 lbs.)	54.5 kg (120 lbs.)



PX2181



Xsub(F)



XLC 118



Plasma P2

Application	Concert Sound Installation	Concert Sound Installation	Concert Sound Installation	Concert Sound Installation
Woofer Type	2 x 18"	2 x 18"	1 x 18"	1 x 18"
Power Handling cont.	1000 W	1200 W	600 W	600 W
Sensitivity(1W1m)	105 dB	100 dB /106 dB*	96 dB /102 dB*	built in Amplifier 800W
Max. SPL (peak)	141 dB	137 dB /143 dB*	130 dB /136 dB*	126 dB /132 dB*
Internal X-Over	no	no	no	Lowpass 100 Hz
Flying	-	X-Line rigging, (F-vers.)	XLC rigging	
Dimension H/W/D	1219 x 569 x 758 mm 48" x 22.42" x 29.1"	494.3 x 1245 x 740 mm 19.5" x 49" 29.1"	546 x 991 x 572 mm 21.5" x 39" x 22.5"	910 x 476 x 600 mm 35.8" x 18.7 x 23.6"
Weight	86,5 kg	92 kg (202.8 lbs.)	54.5 kg (120.2 lbs.)	63.6 kg (140.2 lbs.)

* 1/2-space SPL

Cinema Systems

Cinema. In a medium generally thought of as visual, the quality of a cinema's sound system is often what determines the "cinema experience" for the paying customer. For years Electro-Voice® has supplied loudspeaker systems to the cinema industry which meet or exceed standards set by THX® and Dolby® Laboratories. Every summer, with the release of the latest blockbuster action film, new benchmarks for acoustic performance are set, and EV continues to meet these demands with new innovations.

At Electro-Voice we offer the engineering knowledge and expertise to design and manufacture products "from the ground up." EV loudspeakers are conceived at the component level and integrated into high-performance screen channel, surround and subwoofer systems. We are committed to developing new technologies and achieving new levels of performance for cinema loudspeaker systems.

Variplex II™ Systems

The Variplex™ is one example of the many EV systems which are THX® approved. They join the large, diverse family of Electro-Voice cinema products developed for cinemas both large and small. This wide range of products and time-proven acoustic excellence means that you can design systems that "fit" any room, and more importantly, that the "cinema experience" will be the best your customers have ever heard. And take note: The THX®-approved, high-quality CPS Series amplifiers are part of this formula for success.

Variplex II™

- Three-way stage system
- Vari-Intense® technology provides uniform front-to-back coverage
- Ring-Mode Decoupling™ improves vocal clarity and intelligibility
- Variplex™ B model features passive MB/HF crossover for biamping
- THX® approved
- Digital Dynamics Capable™



Variplex II™ XL

- Three-way, high-output stage system
- High-output MB and HF drivers
- Vari-Intense® technology provides uniform front-to-back coverage
- Ring-Mode Decoupling™ improves vocal clarity and intelligibility
- THX® approved
- Digital Dynamics Capable™



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SPECIFICATIONS

Variplex II XL

Variplex II

(not shown)

Variplex M

Frequency Range	34 Hz - 16 kHz	34 Hz - 16 kHz	45 Hz - 18 kHz
Sensitivity, 1W/1m (LF/MF/HF)	104/109/112 dB	101/109/112 dB	104 dB
Max.SPL/1m (calc.) (ave./peak)	130 / 136 dB	130 / 136 dB	127 / 133 dB
Crossover Frequency	500Hz / 1300 Hz	500Hz / 1300 Hz	500 Hz
Long-term Power Handling (LF/MF/HF)	1600/400/75 W	800/400/75 W	500 / 300 W
Short-term Power Handling (LF/MF/HF)	6400/1600/300 W	3200/1600/300 W	2000 / 1200 W
Coverage Horizontal (long axis/short axis)	90°	90°	90°
Coverage Vertical (up/down)	20°/30°	20°/30°	20°/30°
HF driver	ND 6-8	ND6-8	DH2T
MF driver	2 x EV8DH	2 x EV8DH	2 x EV8D
LF driver	4 x DL15ST	2 x DL15ST	2 x EV15G
Nominal Impedance	2 x 4 / 4 / 8 Ohms	4 / 4 / 8 Ohms	4 / 4 Ohms
Dimensions (Height/Width/Depth)	1924 x 1296 x 396 mm	1924 x 648 x 396 mm	1924 x 648 x 396 mm
	75.8" x 51" x 15.6"	75.8" x 25.5" x 15.6"	75.8" x 25.5" x 15.6"
Weight (net)	139 kg (306.4 lbs.)	74 kg (163.1 lbs.)	72,6 kg (160.1 lbs.)

Two-Way Systems

Electro-Voice® two-way screen systems offer flexibility in size and high-quality sound output for a variety of cinema applications. The TS9040D-LX and the TS550D-LX, both large-format systems, feature very high efficiency and are THX®-compatible. The medium-format TS940D includes a passive crossover, and the small-format TS992E's innovative flat-cabinet design saves considerable space behind the screen. For efficiency, wide-ranging application solutions, and incredible sound quality, nothing beats EV screen systems.



TS9040D-LX

- Large-format, two-way screen system
- Provides excellent acoustical performance in large or small rooms.
- THX® approved
- Digital Dynamics Capable™
- Wide, smooth frequency response



TS940D-LX

- Medium-format, two-way screen system
- HP940T horn/ND6 driver
- Smooth, accurate sound
- Passive crossover for single-channel operation



TS992M

- Small-format, two-way screen system
- DH2T HF on 90 x 50 horn
- EV15G LF system
- 10" depth: low-profile system (254 mm)

(not shown)

SPECIFICATIONS

TS550D-LX

TS9040D-LX

TS940D-LX

TS992M

Frequency Range	30 Hz - 20 kHz	32 Hz - 20 kHz	32 Hz - 20 kHz	38 Hz - 18 kHz
Sensitivity, 1W/1m (LF/HF)	100 / 111 dB	100 / 111 dB	100 dB	100dB
Max.SPL/1m (calc.) (ave./peak)	131 / 137 dB	129 / 135 dB	129 / 135 dB	130 dB
Crossover Frequency	500 Hz	500 Hz	500 Hz	1300 Hz, internal
Long-term Power Handling (LF/HF)	1,200 / 75 W	800 / 75 W	800 W	300 W
Short-term Power Handling (LF/HF)	4,800 / 300 W	3,200 / 300 W	3,200 W	1,200 W
Coverage (H x V)	90° x 40°	90° x 40°	90° x 40°	90° x 50°
HF driver	ND6X-8	ND6X-8	ND6-X	DH2T
LF driver	2 x EVX155	2 x DL155T	2 x DL155T	EV15-G
Nominal Impedance	4 / 8 Ohms	4 / 8 Ohms	4 Ohms	8 Ohms
Dimensions (Height/Width/Depth)	1816 x 681 x 947 mm	1816 x 681 x 947 mm	1354 x 572 x 447 mm	1200 x 660 x 254 mm
	71.5" x 26.8" x 37.3"	71.5" x 26.8" x 37.3"	53.3" x 22.5" x 17.6"	47.2" x 26" x 10"
Weight (net)	74,8 kg (164.9 lbs.)	74,8 kg (164.9 lbs.)	60.4 kg (133.1 lbs.)	35 kg (77.2)

Cinema Systems

Subwoofers

Subwoofers offer a variety of low-frequency solutions for general fixed installation or additional LF supplementation in existing installations. Low-frequency systems have f3s (the point at which response is -3 dB down) as low as 40 Hz. In general, response below 40 Hz is required for theatrical effects, full reproduction of pipe organs, and some special

effects in contemporary music such as synthesizers and down-tuned bass guitars. The TL 880D is especially suited for this special type of application.

Note: TL subwoofers have unprotected fronts and woofers, and should be used in inaccessible areas only.



TL880D

- Very-low-frequency subwoofer
- Direct radiating vented design
- High acoustic output to below 20 Hz (-10 dB) allows real low end effects
- THX® approved



TL440

- Very-low-frequency subwoofer
- Direct radiating vented design
- High acoustic output featuring single EVX180B woofer
- THX® approved



TL440M

- Very-low-frequency subwoofer
- Direct radiating vented design



TL18-1ES

- Low-frequency subwoofer
- Direct radiating vented design
- 38 Hz low end for rich bass
- Ultrathin depth

SPECIFICATIONS	(not shown)				
	TL880D	TL880DM	TL440	TL440M	TL18-1ES
Frequency Range	23 Hz - 1.8 kHz	27 Hz - 1.8 kHz	33 Hz - 3.2 kHz	38 Hz - 3.2 kHz	38 Hz - 2.0kHz
Sensitivity, 1W/1m (full/half-space)	99 / 105 dB	99 / 105 dB	96 / 102 dB	96 / 102 dB	96 / 102 dB
Max.SPL/1m (calc.) (ave./peak)	136 / 162 dB	133 / 137 dB	130 / 136 dB	128 / 133 dB	128 / 134 dB
Long-term Power Handling	1.200 W	800 W	600 W	350 W	400W
Short-term Power Handling	4.800 W	3.200 W	2.400 W	1.500 W	1.600 W
Coverage (<125 Hz)	omnidirectional	omnidirectional	omnidirectional	omnidirectional	omnidirectional
LF driver	2 x EVX180B	2 x EV5-18S	1 x EVX 180B	EV518S	1 x DL18-MT
Nominal Impedance	4 Ohms	4 Ohms	8 Ohms	8 Ohms	8 Ohms
Dimensions (Height/Width/Depth) in mm	1210 / 762 / 605 47.5" x 30" x 23.8"	1207 / 762 / 605 47.5" x 30" x 23.8"	1003 / 572 / 559 39.5" x 22.5" x 22"	1003 / 572 / 559 39.5" x 22.5" x 22"	1193 / 680 / 254 47" x 26.75" x 10"
Weight (net)	72,6kg (160 lbs)	70,8kg (156 lbs)	49 kg (108 lbs)	49 kg (98 lbs)	43kg (95 lbs)

• 24Hz in step-down mode

Cinema Systems

Surround Loudspeakers



SL12-2V

SL10-2V

- High-output, two-way surround loudspeaker
- Versatile suspension and safety options
- 15° slanted cabinet
- Exceptionally wide and smooth frequency response
- SL10-2V model has 10" woofer
- SL10-2V includes wall mounting brackets
- THX® compatible
- Digital Dynamics Capable™



SL8.2

- Full-Bandwidth overload protection
- Strong-Arm-Mount™ for easy, flexible aiming
- Lightweight, unobtrusive plastic enclosure
- Easy-access input terminals
- 8-2way with 1,25" compression driver

SPECIFICATIONS

	SL12-2V	SL10-2V	SL8.2
Frequency Range	70Hz - 20 kHz	60Hz - 20kHz	60 - 20kHz
Sensitivity, 1W/1m	93 dB	93 dB	
Max.SPL/1m (calc.) (ave./peak)	116 / 121 dB	113 / 119 dB	115/121 dB
Long-term Power Handling	200W	100 W	200 W
Short-term Power Handling	800 W	400 W	800 W
Coverage (H x V)	100° x 90°	100° x 100°	100° x 100°
LF driver	12" woofer	10" woofer	EV8L
HF driver	DH2010A	1" compression driver	DH2005
Nominal Impedance	8 Ohms	8 Ohms	8 Ohms
Dimensions (Height/Width/Depth) in mm	535 x 476 x 335	476 x 318 x 275	451 x 282 x 263
	21" x 18.7" x 13"	18.75" x 12.5" x 10.8"	17.75" x 11.12" x 10.35"
Weight (net)	21,4 kg (47 lbs.)	10,5 kg (23.1 lbs.)	8.4 kg (18.5 lbs)