Electro-Voice

Pro Sound

Speakers and Electronics


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X-Line system development was driven by the need for a high-level concert touring system that combined 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 X-Line system provides wide horizontal dispersion from a single, vertical line-array with exceptional coherent wavefront summation in the vertical plane. Extended low-frequency polar control produces more uniform power response, further enhancing overall intelligibility.

Xvls Cabinet

- 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 Cabinet

- 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) X-Line Two x 18" Subwoofer

- 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

	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 dB / 106 dB*
Max. SPL/1m (calc.) (LF/MB/HF)	132 dB / 139 dB / 142 dB	132 dB / 139 dB / 141 dB	131 dB / 137 dB*
Long-term power handling (LF/MB/HF)	1200 W / 600 W / 225 W	1200 W / 600 W / 225 W	1200 W
Short-term power handling (LF/MB/HF)	4800 W / 2400 W / 900 W	4800 W / 2400 W / 900 W	4800 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 / 1250 Hz	220 Hz / 1250 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			

When a line array with limited size and weight is required, XLVC is the choice of professionals around the world. XLVC very compact line arrays combine reliability, intelligibility and sonic horsepower in a package that is easy to configure and suspend.

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

XLD291 Very Compact 90° H Dual 8"Line Array System

- Very compact, lightweight
- CCT™ (Coverage Control Technology)
- Simple, quick integrated rigging
- 90° horizontal coverage to 200 Hz
- Versatile subwoofer integration
- Bi-amp or tri-amp operation
- Neodymium transducers
- LAPS aiming and flying software

XCS312 Triple 12"Cardioid Very Compact Line-array Bass Element

- Three DVX3120 12" low-frequency transducers
- 1500 W continuous, 6000 W peak
- Versatile integration in main arrays
- Self-contained rigging hardware
- LAPS aiming and prediction software compatible

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	XLD291	XLE181	XCS312
HFrequency Range (-3dB)	75 Hz - 18 kHz	75 - 18000 Hz	90 Hz - 18 kHz	45 - 100 Hz
Max SPL (Calc.) Peak	141 dB *	144 dB	138 dB*	130 dB
Horizontal Coverage:	120°	90°	120°	200°
Power Handling cont.	200 W / 200 W / 80 W	200 W / 200 W / 80 W	200 W / 80W	1500 W
Power Handling Peak	800 W / 800 W / 320 W	800 W / 800 W / 320W	800 W / 320W	6000 W
LF Transducer	2 x DVN2080	2 x DVN2080	DVN2080	3 x EV DVX3120
HF Transducer	2 x ND2-8	2 x ND2-8	2 x ND2-8	
Nominal Impedance	16 Ω / 16 Ω / 16 Ω	16 Ω / 16 Ω / 16 Ω	16 Ω / 16 Ω	
Dimensions	726 x 251 x 369 mm 28.58" x 9.9" x 14.52"	726 x 251 x 369 mm 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 677 mm 28.58" x 20" x 26.65"
Weight	21.8 kg (48 lbs)	21.8 kg (48 lbs)	17.2 kg (38 lbs)	67.1 kg (148 lbs)
*array for 4 cabinets **half space				

Whether at a medium-sized festival, in a large concert hall or house of worship, or as a supplementary system used with X-Line, XLC compact line arrays have a proven record of performance and reliability. It is no wonder why XLC is one of the most popular line array systems in the world.

XLC127DVX Three-Way, High-Output Compact Line-array Element

- Accurate vertical control & coverage
- Compact & lightweight
- Fast, simple integrated rigging
- Tri-amp or optional bi-amp operation
- True three-way design
- LAPS aiming software
- 120° horizontal full-range line-array
- Quik-Rig™ or fixed installation rigging

XLC 907DVX Three-Way, High-Output Compact Line-array Element

- Accurate vertical control & coverage
- Compact & lightweight
- Fast, simple integrated rigging
- Tri-amp or optional bi-amp operation
- True three-way design
- LAPS aiming software
- 90° horizontal full-range line-array
- Quik-Rig™ or fixed installation rigging

	XLC 127DVX/i	XLC 215/i
Horizontal Coverage	120°	300°
LF Power Handling	500 W cont. / 2000 W peak	1000 W / 4800 W
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	103 dB*
Max. SPL (calc.)	126 dB /130 dB / 138 dB	139 dB
LF Transducer	1 x 12" DVX3121	2 x DVX3150
MB Transducer	2x DVN 2065	
HF Transducer	2 x ND6-16	—
Connectors	2 Neutrik® NL8	2 Neutrik® NL8
Enclosure Material	EV®-coated plywood	EV®-coated plywood
Grille	Powder-coated steel	Powder-coated steel
Environmental Specs	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"
Net Weight	50.4 kg (111 lbs)	54.5 kg (120 lbs)
*Half space environment		

XLCi is the dedicated installation version of the popular XLC compact line-array featuring visually appealing rigging that doesn't distract from building architecture.

Xlc/i215 High-Output Dual 15" Subwoofer Line-array Element

- Compact & lightweight, 139 dB SPL
- Fast, simple integrated rigging
- Footprint identical to XLC-127DVX
- Optional adapter grid for use with XLD281
- 2 x DVX3150 transducers
- Quik-Rig™ or fixed installation rigging

Xlci127DVX Three-Way, High-Output Compact Line-array Element

- Accurate vertical control & coverage
- Compact & lightweight
- Fast, simple integrated rigging
- Tri-amp or optional bi-amp operation
- True three-way design
- LAPS aiming software
- 120° horizontal full-range line-array
- Fixed installation rigging

	Xlc 907DVX/i
Horizontal Coverage	90°
LF Power Handling	500 W
MB Power Handling	300 W
HF Power Handling	150 W
Sensitivity (LF/MB/HF)	
Max. SPL (calc.)	145 dB
LF Transducer	EV DVX3121
MB Transducer	DVN2065
HF Transducer	ND6-16
Connectors	2 Neutrik® NL8
Enclosure Material	EV®-coated plywood
Grille	Powder-coated steel
Environmental Specs	
Dimensions (H x W x D)	362 x 990 x 572 mm 14.25" x 38.98" x 22.52"
Net Weight	48.1 kg (106.04 lbs)
*Half space environment	

X-Array traditional horizontal array systems provide world class performance and flexibility for the ultimate in concert touring reinforcement.

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 Subwoofer

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

Xw12A Xw15A Floor-Monitor

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

	Xf	Xn	Xb	Xw12A	Xw15A
Frequency Range (-3 dB)	125 Hz - 20 KHz	48 Hz - 20 KHz	37 Hz - 200 Hz	65 Hz - 16 KHz	55 Hz - 18 KHz
Recommended High-Pass Frequency	Systemcontroller	Systemcontroller	Systemcontroller	Systemcontroller	Systemcontroller
Axial Sensitivity SPL 1W/1m	112 dB / 116 dB	95 dB / 110 dB / 112 dB	98.5 dB	98 dB / 110 dB	99 dB / 110 dB
Max. SPL / 1m (calc.); full space	146 dB / 144 dB	129 dB / 141 dB / 137 dB	135 dB	129 dB / 135 dB	133 dB / 135 dB
Long-Term Power Handling	600 W / 150 W	600 W / 300 W / 75 W	1200 W	300 W / 75 W	600 W / 75 W
Short-Term Power Handling (Peak)	2400 W / 600 W	2400 W / 1200 W / 300 W	4800 W	1200 W / 300 W	2400 W / 300 W
Coverage (nominal -6 dB) H° x V°	40° x 20° (CD Horn)	60° x 40° (CD Horn)	240° x 300° (63-200 Hz)	55° x 80° (CD Horn)	55° x 80° (CD Horn)
Directivity Index	17.2 dB (+2.0/-2.7 dB)	13.7 dB (+1.4/-1.4 dB)	3.4 dB (+1.4/-0.9 dB)	11.6 dB (+2.3/-2.1dB)	11.6 dB (+3.0/-3.6dB)
	800 Hz - 16 KHz	800 Hz - 16 KHz	63 - 200 Hz	1200 Hz - 16 KHz	1200 Hz - 16 KHz
LF woofer (transducer)		18" (EVX-180B)	2 x 18" (EVX-180B)	12" (DL-type)	15" (EVX-155)
MB woofer (transducer)	2 x 12" (ND12A)	12" (ND12A)	---	DL12ST	---
HF throat diameter (transducer)	2 x 1.4" (ND6-16)	1.4" (ND6-16)	---	1.4" (ND6-16)	1.4" (ND6-16)
Crossover Frequencies	Factory presets	Factory presets	Factory presets	Factory presets	Factory presets
Nominal Impedance	8 Ω / 8 Ω	8 Ω / 16 Ω / 16 Ω	2 x 8 Ω	8 Ω / 16 Ω	8 Ω / 16 Ω
Minimum Impedance	4.9 Ω / 7.0 Ω	6.5 Ω / 9.4 Ω / 14.0 Ω	2 x 6.4 Ω	8.2 Ω / 10.5 Ω	7.2 Ω / 14.3 Ω
Input Connections	2 eight-pin Speakon	2 eight-pin Speakon	2 eight-pin Speakon	2 four-pin Speakon	2 four-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"	914 x 584 x 759 mm 36" x 22.99" 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	87.1 kg (192 lbs)	87.1 kg (192 lbs)	83.5 kg (184 lbs)	21.9 kg (48 lbs)	28.4 kg (62.5 lbs)

The Electro-Voice Xi-Series brings premium, tour-quality sound to installation. Inspired by the features of EV's acclaimed X-Array touring systems, the Xi-Series incorporates a potent combination of high-output and ultra-linear short, medium, and long-throw systems in two-way, three-way, and four-way configurations. Xi-Series loudspeakers incorporate the acoustic advantage of EV's Ring-Mode Decoupling (RMD™), and features HP horns to secure excellent directivity control and even coverage. The three-way systems can be operated in a Vertical Beam Shaping (VBS) configuration. This unique approach extends the vertical coverage angle control as low as 125Hz - well below that permitted by the mid-bass horn alone (about 800Hz). These can be thought of as two and three-element, low-frequency line arrays.

This extraordinary low-frequency control is achieved through optimized woofer placement in conjunction with presets that overlap individual components (using All Pass Filters). To achieve sound performance without compromises, Xi-Series is designed for multi-way active operation, except the Xi-1082, which contains a passive crossover network.Xi-Series is made of 18 mm, 13-ply birch plywood finished in black, textured paint and full-face protected by a powder-coated, steel front-grille backed with foam. These horn-loaded systems, except Xi-1123A/106F and Xi-212A3/106F, have an identical footprint for an uniform look. All systems, except the Xi-1082, have integrated handles and two L-Tracks on the top and bottom. A detailed "Flying manual" is available.

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 Xi-1152A/94F

- 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-1123A/106F Xi-2123A/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-1191A Xi-2181A

- 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)

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-1183A/64F Xi-1153A/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-2122MHA

- 2-Way High-Output Far-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-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.)	Factory presets	Factory presets	Factory presets
Axial Sensitivity SPL 1W/1m	90 dB	99 dB / 110 dB	98 dB / 113 dB	98 dB / 112 dB
Max. SPL / 1m (calc.); full space	118 dB	130 dB / 135 dB	132 dB / 138 dB	132 dB / 137 dB
Long-Term Power Handling	175 W	300 W / 75 W	600 W / 75 W	600 W / 75 W
Short-Term Power Handling (Peak)	700 W	1200 W / 300 W	2400 W / 300 W	2400 W / 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) 2000 - 20000 Hz	10.9 dB (+1.2 / -2.9 dB) 1200 - 16000 Hz	13.4 dB (+1.3 / -2.3 dB) 1200 - 16000 Hz	12.3 dB (+0.7 / -1.5 dB) 1200 - 16000 Hz
LF 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	3500 Hz (passive)	Factory presets	Factory presets	Factory presets
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)

	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	Factory presets	Factory presets	Factory presets	Factory presets	Factory presets
Axial Sensitivity SPL 1W/1m	96 dB / 107 dB / 112 dB	100 dB / 107 dB / 112 dB	96 dB / 107 dB / 112 dB	91.5 dB / 107 dB / 112 dB	110 dB / 112 dB
Max. SPL / 1m (calc.); full space	129 dB / 140 dB / 137 dB	135 dB / 140 dB / 137 dB	128 dB / 138 dB / 137 dB	125 dB / 138 dB / 137 dB	141 dB / 137 dB
Long-Term Power Handling	300 W / 300 W / 75 W	600 W / 300 W / 75 W	600 W / 300 W / 75 W	600 W / 300 W / 75 W	300 W / 75 W
Short-Term Power Handling (Peak)	1200 W / 1200 W / 300 W	2400 W / 1200 W / 300 W	2400 W / 1200 W / 300 W	2400 W / 1200 W / 300 W	1200 W / 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) 500 - 16000 Hz	10.1 dB (+1.6 / -3.5 dB) 160 - 16000 Hz	13.3 dB (+1.4 / -1.1 dB) 800 - 16000 Hz	13.3 dB (+1.4 / -1.1 dB) 800 - 16000 Hz	13.4 dB (+2.0 / -1.8 dB) 800 - 16000 Hz
LF woofer (transducer)	12" (DL-type)	2 x 12" (DL-type)	18" (EVX-180B)	15" (EVX-155)	---
MB woofer (transducer)	10" (DL-type)	10" (DL-type)	12" (ND-12)	12" (DL12ST)	12" (ND-12)
HF throat diameter (transducer)	1.4 (ND6-16)	1.4 (ND6-16)	1.4" (ND6-16)	1.4" (ND6-16)	1.4" (ND6-16)
Crossover Frequencies	Factory presets	Factory presets	Factory presets	Factory presets	Factory presets
Nominal Impedance	12 Ω / 16 Ω / 16 Ω	6 Ω / 16 Ω / 16Ω	8 Ω / 16 Ω / 16 Ω	8 Ω / 16 Ω / 16 Ω	16 Ω / 16 Ω
Minimum Impedance	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
Input Connections	2 eight-pin Speakon	2 eight-pin Speakon	2 eight-pin Speakon	2 eight-pin Speakon	2 eight-pin Speakon
Dimensions (H x W at front x D)	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"
Net Weight	52.2 kg (115 lbs)	68.0 kg (149.9 lbs)	93.0 kg (205 lbs)	93.0 kg (205 lbs)	61 kg (136 lbs)

	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	Factory presets	Factory presets	Factory presets	Factory presets
Axial Sensitivity SPL 1W/1m	100 dB / 107 dB / 112 dB	94 dB	99 dB	112 dB / 116 dB
Max. SPL / 1m (calc.); full space	133 dB / 138 dB / 137 dB	128 dB	136 dB	146 dB / 144 dB
Long-Term Power Handling	1200 W / 300 W / 75 W	600 W	1200 W	600 W / 150 W
Short-Term Power Handling (Peak)	4800 W / 1200 W / 300 W	2400 W	4800 W	2400 W / 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) 800 - 16000 Hz	2.7 dB (+1.0 / -0.6 dB) 63 - 100 Hz	3.4 dB (+1.4 / -0.9 dB) 63 - 200 Hz	17.2 dB (+2.0 / -2.7 dB) 800 - 16000 Hz
LF woofer (transducer)	2 x 15" (EVX-155)	18" (EVX-180B)	2 x 18" (EVX-180B)	---
MB woofer (transducer)	12" (DL-type)	---	---	2 x 12" (ND12)
HF throat diameter (transducer)	1.4" (ND6-16)	---	---	2 x 1.4" (ND6-16)
Crossover Frequencies	Factory presets	Factory presets	Factory presets	Factory presets
Nominal Impedance	4 Ω / 16 Ω / 16 Ω	8 Ω	2 x 8 Ω	8 Ω / 8 Ω
Minimum Impedance	3.8 Ω / 8.9 Ω / 13.1 Ω	6.7 Ω	2 x 6.0 Ω	4.9 Ω / 7.0 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)	1233 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"
Net Weight	109 kg (240 lbs)	68.0 kg (149.9 lbs)	83.5 kg (184 lbs)	86.3 kg (190 lbs)

EVA - Expandable Vertical Array

The EVA series (Expandable Vertical Array) is an elegantly simple solution for installed sound applications. EVA offers true line-array performance from the patented Hydra plane wave generator. The sophisticated internal crossover allows up to eight EVA boxes to be powered by a single amplifier channel with no additional DSP required. The internal hidden rigging not only looks great, but also makes EVA incredibly easy to install. All versions are available in black and white.

EVA-2082S 1220 Full-Range Dual Element Line Array Module

- True line-array performance
- 120° horizontal coverage pattern
- 20° vertical coverage pattern
- 104 dB sensitivity
- Hidden suspension hardware (included)
- architecturally pleasing
- Three finishes available – indoor, PI and fiberglass
- EVADA (EVA Design Assistant) software tool
- Single amplifier channel drive configuration for entire array
- Advanced sixth-order crossover network with HF protection

EVA-2082S 126 Full-Range Dual Element Line Array Module

- True line array performance
- 120° horizontal coverage pattern
- 6° vertical coverage pattern
- 104 dB sensitivity
- Hidden suspension hardware (included) – architecturally pleasing
- Three finishes available – indoor, PI and fiberglass
- EVADA (EVA Design Assistant) software tool
- Single amplifier channel drive configuration for entire array
- Advanced sixth-order crossover network with HF protection

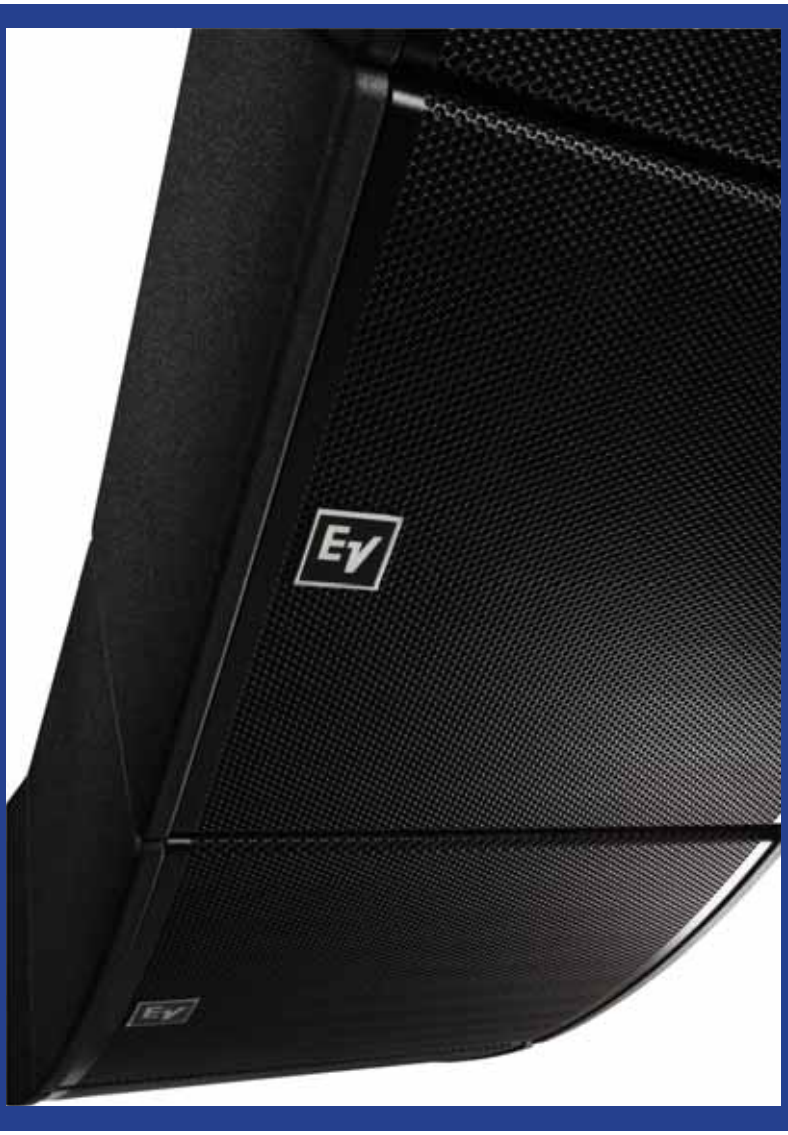
EVA-2082S 906 Full-Range Dual Element Line Array Module

- True line-array performance
- 90° horizontal coverage pattern
- 6° vertical coverage pattern
- 104 dB sensitivity
- Hidden suspension hardware (included) – architecturally pleasing
- Three finishes available – indoor, PI and fiberglass
- EVADA (EVA Design Assistant) software tool
- Single amplifier channel drive configuration for entire array
- Advanced sixth-order crossover network with HF protection

EVA-2082S 920 Full-Range Dual Element Line Array Module

- True line-array performance
- 90° horizontal coverage pattern
- 2° vertical coverage pattern
- 104 dB sensitivity
- Hidden suspension hardware (included) – architecturally pleasing
- Three finishes available – indoor, PI and fiberglass
- EVADA (EVA Design Assistant) software tool
- Single amplifier channel drive configuration for entire array
- Advanced sixth-order crossover network with HF protection

EVA - Expandable Vertical Array



	EVA-2082S 1220	EVA-2082S 126	EVA-2082S 906	EVA-2082S 920
Frequency Response (-3 dB)	60 - 19000 Hz			
Recommended High-Pass Frequency	50 Hz			
Sensitivity 1 W/1 m	104 dB			
Max. SPL/1m (calc)	135 dB			
System Power Handling (Continuous/Program/Peak)	350 W			
Nominal Impedance (Passive)	16 Ω			
Input Connections	Phoenix/Euroblock style screw terminals			
Frequency Response (-10 dB)	22 - 20000 Hz			
Coverage(Nominal -6 dB) H°	120°	120°	90°	90°
Coverage(Nominal -6 dB) V°	20°	6°	6°	20°
LF Transducer	(2) EVS2008, 203mm (8") Driver			
HF Transducer	(4) DH2005, 32mm (1.25") Diaphragm Compression Driver			
Crossover Frequency	1740 Hz			
Minimum Impedance	12 Ω			
Enclosure Material	Birch and Pine Plywood			
Grill	16 GA Galvanneal, Powder-coated (PI Version - Stainless Steel with Hydrophobic Cloth)			
Suspension	EVA Grid (Sold Separately)			
Dimensions (H x W x D)	512.2 x 596.9 x 369.1 mm 20.17" x 23.5" x 14.53"	514.4 x 596.9 x 358.2 mm 20.25" x 23.5" x 14.1"	514.4 x 596.9 x 358.2 mm 20.25" x 23.5" x 14.1"	512.2 x 596.9 x 369.1 mm 20.17" x 23.5" x 14.53"
Weight Net	34.56 kg (76.15 lbs)	35.86 kg (79.06 lbs)	35.86 kg (79.06 lbs)	34.56 kg (76.16 lbs)

EVH - Horn Load

The EVH Series' two-way ,15", coaxial full-range loudspeaker models are designated EVH-1152S. Five different rotatable waveguides are available, ranging from 60° x 40° to 90° x 90°. EVH Series loudspeakers use the new ND2B high-output, 2" pure titanium compression driver coupled to a rotatable Constant Directivity waveguide, and the new SMX woofers, designed for high output and low distortion.

EVH´s passive crossover network employs 24dB/octave slopes for smooth response in the vocal range, linear off-axis response and features a comprehensive protection circuit for long-term reliability. The combination of technology in each EVH loudspeaker results in high output, smooth response and excellent pattern control down to 500 Hz. EVH cabinets are available in black, white, indoor and outdoor versions and even in fiberglas finsh for extreme outdoor usage.

EVH-1152S/64 Two-Way Coaxial Full-Range High-Efficiency Loudspeaker System

- ND2B 2" (51 mm) diaphragm 1.4.(36 mm)-exit pure titanium compression driver
- SMX2151 15" (381 mm) LF transducer with fully symmetric drive
- Advanced fourth-order crossover network with HF protection
- Coverage pattern: 60° x 40° Constant Directivity rotatable waveguides
- 105 dB sensitivity, 138 dB maximum SPL
- System rating: 500 W continuous, 2000 W peak
- Active rating: LF 400 W / HF 40 W continuous (1600 W / 160 W peak)
- (28) M10 threaded suspension points
- PI version available with gland nut and stainless steel grille
- Three finishers available: indoor; PI and fibre glass

EVH-1152S/66 Two-Way Coaxial Full-Range High-Efficiency Loudspeaker System

- ND2B 2" (51 mm) diaphragm 1.4.(36 mm)-exit pure titanium compression driver
- SMX2151 15" (381 mm) LF transducer with fully symmetric drive
- Advanced fourth-order crossover network with HF protection
- Coverage pattern: 60° x 60° Constant Directivity rotatable waveguides
- 105 dB sensitivity, 138 dB maximum SPL
- System rating: 500 W continuous, 2000 W peak
- Active rating: LF 400 W / HF 40 W continuous (1600 W / 160 W peak)
- (28) M10 threaded suspension points
- PI version available with gland nut and stainless steel grille
- Three finishers available: indoor; PI and fibre glass

EVH-1152S/94 Two-Way Coaxial Full-Range High-Efficiency Loudspeaker System

- ND2B 2" (51 mm) diaphragm 1.4. (36 mm)-exit pure titanium compression driver
- SMX2151 15" (381 mm) LF transducer with fully symmetric drive
- Advanced fourth-order crossover network with HF protection
- Coverage pattern: 90° x 40° Constant Directivity rotatable waveguides
- 105 dB sensitivity, 138 dB maximum SPL
- System rating: 500 W continuous, 2000 W peak
- Active rating: LF 400 W / HF 40 W continuous (1600 W / 160 W peak)
- (28) M10 threaded suspension points
- PI version available with gland nut and stainless steel grille
- Three finishers available: indoor; PI and fibre glass

EVH-1152S/96

Two-Way Coaxial Full-Range High-Efficiency Loudspeaker System

- ND2B 2" (51 mm) diaphragm 1.4.(36 mm)-exit pure titanium compression driver
- SMX2151 15" (381 mm) LF transducer with fully symmetric drive
- Advanced fourth-order crossover network with HF protection
- Coverage pattern: 90° x 60° Constant Directivity rotatable waveguides
- 105 dB sensitivity, 138 dB maximum SPL
- System rating: 500 W continuous, 2000 W peak
- Active rating: LF 400 W / HF 40 W continuous (1600 W / 160 W peak)
- (28) M10 threaded suspension points
- PI version available with gland nut and stainless steel grille
- Three finishers available: indoor; PI and fibre glass

EVH-1152S/99

Two-Way Coaxial Full-Range High-Efficiency Loudspeaker System

- ND2B 2" (51 mm) diaphragm 1.4.(36 mm)-exit pure titanium compression driver
- SMX2151 15" (381 mm) LF transducer with fully symmetric drive
- Advanced fourth-order crossover network with HF protection
- Coverage pattern: 90° x 90° Constant Directivity rotatable waveguides
- 105 dB sensitivity, 138 dB maximum SPL
- System rating: 500 W continuous, 2000 W peak
- Active rating: LF 400 W / HF 40 W continuous (1600 W / 160 W peak)
- (28) M10 threaded suspension points
- PI version available with gland nut and stainless steel grille
- Three finishers available: indoor; PI and fibre glass

	EVH-1152S/64	EVH-1152S/66	EVH-1152S/94	EVH-1152S/96	EVH-1152S/99
Frequency Response (-3 dB)	60 - 15000 Hz				
Recommended High-Pass Frequency	60 Hz				
Sensitivity 1 W/1 m	105 dB				104 dB
Max. SPL/1m (calc)	138 dB				137 dB
System Power Handling (Continuous/Program/Peak)	500 W				
Nominal Impedance (Passive)	8 Ω				
Input Connections	Phoenix / Euroblock style screw terminals				
Frequency Response (-10 dB)	50 - 16000 Hz				
Coverage(Nominal -6 dB) H°	60°	60°	90°	90°	90°
Coverage(Nominal -6 dB) V°	40°	60°	40°	60°	90°
LF Transducer	SMX2151, 381 mm (15"), 2000W Peak				
HF Transducer	ND2B, 51 mm (2") Diaphragm Compression Driver				
Crossover Frequency	1300 Hz				
Minimum Impedance	6 Ω				
Enclosure Material	13 Ply Weather Resistant Birch				
Grill	16 GA Galvanneal, Powdercoat, with Rotatable Logo				
Suspension	(28) M10 Threaded Points				
Dimensions (H x W x D)	768.6 x 768.6 x 680.1 mm 30.26" x 30.26" x 26.78"				
Weight Net	64.9 kg (143.08 lbs)				

EVF - Front Load

Every loudspeaker and subwoofer in the EVF Series can be used for a wide variety of fixed-install applications where high-quality sound reinforcement is required in a compact, lightweight, and simple-to-use package. Part of the EV-Innovation loudspeaker family, the EVF Series of two-way, front-loaded, full-range systems is available with 12" or 15" woofers, a wide range of coverage patterns, and includes low-frequency systems.
Available in black and white.

EVF-1121S — Front-Loaded Bass Element

- EVS12SB 12" (305 mm) LF transducer
- 103 dB sensitivity, 135 dB maximum SPL
- System rating: 400 W continuous, 1600 W peak
- M10 threaded suspension points (22)
- Passive network included
- Three finishers available: indoor; PI and fibre glass

EVF-1122S 126 — EVF-1122S/126

- ND2B 2” (51 mm) diaphragm, 1.4” (36 mm)-exit pure titanium compression driver
- SMX2121 12” (305 mm) LF transducer with fully symmetric drive
- Advanced fourth-order crossover network with HF protection
- Coverage pattern: 120° x 60° Constant Directivity™ 12” rotatable waveguide
- 98 dB sensitivity, 131 dB maximum SPL
- System rating: 500 W continuous, (2000 W peak)
- Active rating: LF 400 W / HF 40 W continuous (1600 W / 160 W peak)
- M10 threaded suspension points (22)
- PI version available with gland nut and stainless steel grille
- Three finishers available: indoor; PI and fibre glass

EVF-1151S — Front-Loaded Bass Element

- EVS15SB 15" (381 mm) LF transducer
- 103 dB sensitivity, 135 dB maximum SPL
- System rating: 400 W continuous, (1600 W peak)
- M10 threaded suspension points (22)
- Three finishers available: indoor; PI and fibre glass

EVF-1152S 43

Two-Way Full-Range Loudspeaker System

- ND2B 2" (51 mm) diaphragm 1.4" (36 mm)-exit pure titanium compression driver
- SMX2151 15" (381 mm) LF transducer with fully symmetric drive
- Advanced fourth-order crossover network with HF protection
- Coverage pattern: 40° x 30° Constant Directivity™ 12" rotatable waveguide
- 101 dB sensitivity, 134 dB maximum SPL
- System rating: 500 W continuous, (2000 W peak)
- Active rating: LF 400 W / HF 40 W continuous (1600 W / 160 W peak)
- M10 threaded suspension points (22)
- PI version available with gland nut and stainless steel grille
- Three finishers available: indoor; PI and fibre glass

EVF-1181S

Front-Loaded Subwoofer

- EVS18SB 18" (457 mm) LF Transducer
- 99 dB sensitivity, 131 dB maximum SPL
- System rating: 400 W continuous, 1600 W peak
- M10 threaded suspension points (28)
- Three finishers available: indoor; PI and fibre glass

	EVF-1121S	EVF-1122S 126	EVF-1122S 64	EVF-1122S 66	EVF-1122S 94	EVF-1122S 96	EVF-1122S 99	EVF-1151S	EVF-1152S 43	EVF-1152S 64	EVF-1152S 66	EVF-1152S 94	EVF-1152S 96	EVF-1152S 99	EVF-1181S
Frequency Response (-3 dB)	70 - 98 Hz	58 - 16000 Hz	58 - 16000 Hz	58 - 16000 Hz	58 - 16000 Hz	58 - 16000 Hz	58 - 16000 Hz	67 - 95 Hz	70 - 14000 Hz	70 - 14000 Hz	70 - 14000 Hz	70 - 14000 Hz	70 - 14000 Hz	70 - 14000 Hz	35 - 100 Hz
Recommended High-Pass Frequency	50 Hz	65 Hz	65 Hz	65 Hz	65 Hz	65 Hz	65 Hz	35 Hz	45 Hz	45 Hz	45 Hz	45 Hz	45 Hz	45 Hz	33 Hz
Sensitivity 1 W/1 m	103 dB	98 dB	98 dB	98 dB	98 dB	98 dB	98 dB	103 dB	101 dB	101 dB	101 dB	101 dB	101 dB	101 dB	99 dB
Max. SPL/1m (calc)		131 dB	131 dB	131 dB	131 dB	131 dB	131 dB		134 dB	134 dB	134 dB	134 dB	134 dB	134 dB	
System Power Handling (Continuous/Program/Peak)	400 W	500 W	500 W	500 W	500 W	500 W	500 W	400 W	500 W	500 W	500 W	500 W	500 W	500 W	400 W
Nominal Impedance (Passive)	4 Ω	8 Ω	8 Ω	8 Ω	8 Ω	8 Ω	8 Ω	4 Ω	8 Ω	8 Ω	8 Ω	8 Ω	8 Ω	8 Ω	
Input Connections	Phoenix/Euroblock style screw terminals														
Frequency Response (-10 dB)	48 - 120 Hz	49 - 19000 Hz	49 - 19000 Hz	49 - 19000 Hz	49 - 19000 Hz	49 - 19000 Hz	49 - 19000 Hz	46 - 124 Hz	41 - 18000 Hz	41 - 18000 Hz	41 - 18000 Hz	41 - 18000 Hz	41 - 18000 Hz	41 - 18000 Hz	28 - 650 Hz
Coverage(Nominal -6 dB) H°		120°	60°	60°	90°	90°	90°		40°	60°	60°	90°	90°	90°	
Coverage(Nominal -6 dB) V°		60°	40°	60°	40°	60°	90°		30°	40°	60°	40°	60°	90°	
LF Transducer	EVS12SB, 305mm (12") Driver	SMX2121, 305mm (12") Driver	SMX2121, 305mm (12") Driver	SMX2121, 305mm (12") Driver	SMX2121, 305mm (12") Driver	SMX2121, 305mm (12") Driver	SMX2121, 305mm (12") Driver	EVS15SB, 381mm (15") Driver	SMX2151, 381mm (15") Driver	SMX2151, 381mm (15") Driver	SMX2151, 381mm (15") Driver	SMX2151, 381mm (15") Driver	SMX2151, 381mm (15") Driver	SMX2151, 381mm (15") Driver	EVS18SB, 457mm (18") Driver
HF Transducer		ND2B, 51 mm (2") Diaphragm Compression Driver													
Crossover Frequency		1450 Hz	1450 Hz	1450 Hz	1450 Hz	1450 Hz	1450 Hz		1450 Hz	1450 Hz	1450 Hz	1450 Hz	1450 Hz	1450 Hz	
Minimum Impedance	6 Ω														
Enclosure Material	13 Ply Weather Resistant Birch														
Grill	16 GA Galvanneal, Powdercoat, with Rotatable Logo														
Suspension	(22) M10 Threaded Points														(28) M10 Threaded Points
Internal Crossover	Yes														No
Max. SPL/1m (calc); half space	135 dB														131 dB
LF Nominal Impedance	8 Ω														
Dimensions (H x W x D)	768.6 x 406.3 x 413.3 mm 30.26" x 16" x 16.27"							768.6 x 469.8 x 466.6 mm 30.26" x 18.5" x 18.37"							768.6 mm (30.26") 675.6 mm (26.6") 726.4 mm (28.6")
Weight Net	26.2 kg (57.76 lbs)	28.6 kg (63.05 lbs)	28.6 kg (63.05 lbs)	28.6 kg (63.05 lbs)	28.6 kg (63.05 lbs)	28.6 kg (63.05 lbs)	28.6 kg (63.05 lbs)	28.4 kg (62.61 lbs)	32.1 kg (70.77 lbs)	32.1 kg (70.77 lbs)	32.1 kg (70.77 lbs)	32.1 kg (70.77 lbs)	32.1 kg (70.77 lbs)	32.1 kg (70.77 lbs)	46 kg (101.41 lbs)

The FRi+ Series brings premium Electro-Voice® components, including the DH2T compression driver and DL series woofers, to a new level of affordability. The FRi+ Series provides exceptional value for permanent installations that require flexibility and performance. Numerous threaded mounting points help make suspension easy, and allow for installation in any situation.

FRi+122/64 — 12" Two-Way Full-Range Passive or Active Speaker System

- 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+122/66

- 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+122/94

- 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+181S — FRi+ Series Speaker System

- 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

FRi+152/64 15" Two-Way Full-Range Passive or Active Speaker System

- 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+152/66

- 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+152/94

- 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-2082/28LPM FRi Series Speaker System

- 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

	FRi-2082 FRi-28LPM	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	93 dB	97 dB	98 dB	97 dB
(Biamp mode)		(97 dB / 112 dB)	(98 dB / 112 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	1200 W	1400 W	1600 W
Coverage (nominal -6 dB) (H° x V°)	100° x 100° (CD Horn)	60° x 40° / 80° x 50° (FRi)	60° x 40° / 80° x 50° (FRi) 60° x 40° / 60° x 60° / 90° x 40°(FRi+)	300° x 270° 60° x 40° / 60° x 60° / 90° x 40°(FRi+)
LF woofer (transducer)	50 x 203 mm (2" x 8") (---)	304 mm (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	2800 Hz	1600 Hz	1600 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)

EVI Series

EVI 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 the distance to the front row, resulting in a substantial loss of level and intelligibility towards the back. The Variable Intensity horn delivers six to eight dB more SPL to the back of the room, overcoming level loss without resorting to the expense and complexity of additional systems or components.

EVI-12

EVI Series Speaker Systems

- 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

EVI-15

EVI Series Speaker Systems

- 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

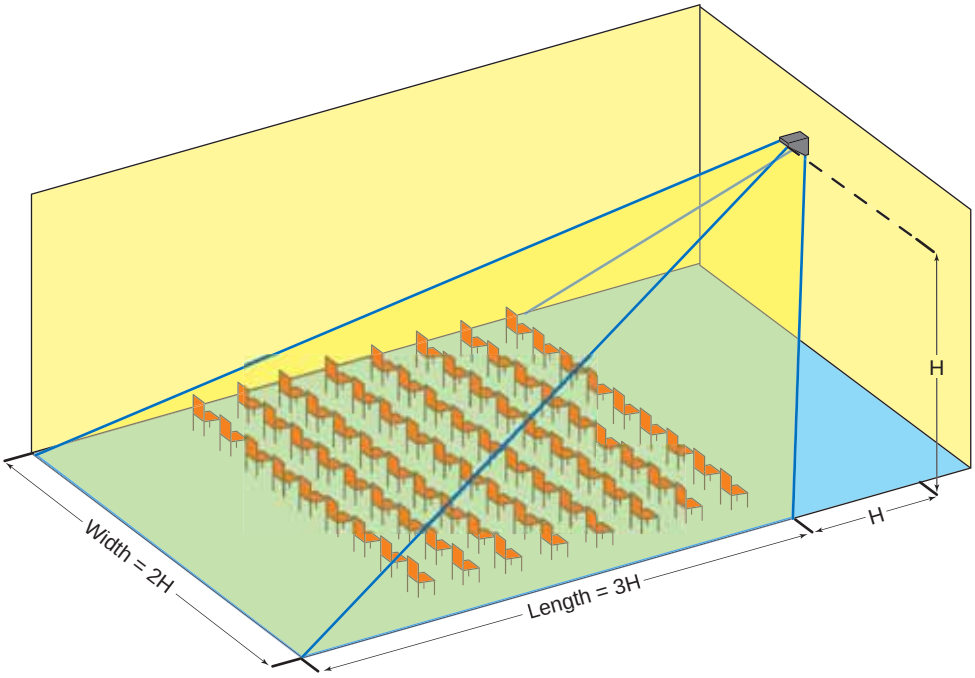
EVI-28

EVI Series Speaker Systems

- 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® coverage pattern (3-2-1 Rule):

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



	EVI-12	EVI-15	EVI-28
Frequency range (-3 dB)	45 Hz – 20 kHz	45 Hz – 20 kHz	62 Hz – 20 kHz
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	1000 W	1000 W	1000 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	2000 Hz	2000 Hz	2000 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)

EVID speakers beautify not only the sound of a room, but also the looks. Designed to have best in class sonic characteristics and stunning high fidelity, EVID is typically at home in retail environments, boardrooms, restaurants, and bars.

EVID 3.2 EVID Series Premium Surface-Mount Speaker System

- 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
- Available in black and white

EVID 4.2 EVID Series Premium Surface-Mount Speaker System

- 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
- Either 70v/100v or 8 ohm operation is standard on both models.
- 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
- Available in black and white

EVID 6.2 EVID Series Premium Surface-Mount Speaker System

- 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
- Either 70v/100v or 8 ohm operation is standard on both models.
- 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
- Available in black and white

EVID 12.1 EVID Series Premium Surface-Mount Subwoofer

- 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 (120 V only) available
- Available in black and white

EVID FM 4.2 EVID Series InWall Speaker System

- 4" woofer, 4" passive radiator, and a 1" tweeter provide high quality sound
- Fully sealed enclosures provides superior sound isolation from adjacent rooms.
- Tuned passive radiator design ensures consistently superior performance in any installation.
- Either 70v/100v or 8 ohm operation is standard on both models.
- Shallow profile allows installation virtually anywhere.
- Secure phoenix style pass through connectors for easy wiring and installation.
- Four point "quick mounting" tabs provide fast easy installation in anywall cavity.
- The transformer is mounted on the rear can surface to further enhance stiffness.
- Specially designed ribbed back can is designed to eliminate flexing.

EVID FM 6.2 EVID Series InWall Speaker System

- 6" woofer coupled with a 6" passive radiator for extended bass response
- Fully sealed enclosures provides superior sound isolation from adjacent rooms.
- Tuned passive radiator design ensures consistently superior performance in any installation.
- Either 70v/100v or 8 ohm operation is standard on both models.
- Shallow profile allows installation virtually anywhere.
- Secure phoenix style pass through connectors for easy wiring and installation.
- Four point "quick mounting" tabs provide fast easy installation in anywall cavity.
- The transformer is mounted on the rear can surface to further enhance stiffness.
- Specially designed ribbed back can is designed to eliminate flexing.

	EVID 3.2/T	EVID 4.2/T	EVID 6.2/T	EVID 12.1	EVID FM 4.2	EVID FM 6.2
Frequency response (-10 dB)	85 Hz – 20 kHz	65 Hz – 20 kHz	62 Hz –20 kHz	40 Hz – 140 Hz	52 - 20000 Hz	52 - 20000 Hz
Sensitivity (SPL 1 W/1 m)	87 dB	89 dB	94 dB	100 dB	87 dB	90 dB
Max. SPL/1m (calc.)	112 dB	115 dB	122 dB	128 dB		
Long-term power handling	75 W	100 W	150 W	175 W / 175 W		
Short-term power handling	300 W	400 W	600 W	700 W / 700 W		
Transformer taps	70 V : 5 W	70 V : 3.75 W	70 V : 7.5 W	—	1.75, 3.75, 7.5, 15, 30 at 70 V	7.5, 15, 30, 60 W at 70 V
(transformer version only)	100 V : 10 W	70 V / 100 V : 7.5 W, 15 W, 30 W	70 V / 100 V : 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"	4" with 4" passive radiator	6" with 6" passive radiator
HF driver	0.75"	1"	1"	—	1" Titanium dome tweeter	1" Titanium dome tweeter
Nominal impedance (non-transformer version)	8 Ω	8 Ω	8 Ω	8 Ω	8 Ω	8 Ω
Minimum impedance (non-transformer version)	6 Ω	6 Ω	6 Ω	6 Ω		
Input connections	spring terminal	spring terminal	spring terminal	spring terminal		
Dimensions (H x W at front x D)	234 mm (9.2") 127 mm (5.1") 165 mm (6.5")	310 mm (12.2") 175 mm (6.9") 216 mm (8.5")	419 mm (16.5") 228 mm (9") 298 mm (11.75")	412 mm (16.25") 584 mm (at front), (23") 305 mm (12")	350 mm (13.78") 188.3 mm (7.41") 95.6 mm (3.76")	465 mm (18.31") 256 mm (10.08") 100.3 mm (3.95")
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)	2.9 kg (6.39 lbs)	5.8 kg (12.79 lbs)

No matter what an installation calls for, EVID ceiling speakers can fill the need. Each model is unique and designed to meet the toughest “problem” job specifications. Sonically superior and aesthetically pleasing, the EVID ceiling speakers have no match. From the compact, powerful C4.2 to the exclusive waveguide-coupled design of the C8.2HC for high-ceiling environments; the EVID ceiling line will solve any installation requirement. The EVID ceiling speaker line was designed with the contractor and listener in mind. Great sound, simple installation, and exceptional value are part of every model.

EVID C4.2D EVID Series 4" Two-Way Ceiling System

- For use in air-handling spaces
- 4" woofer
- Wave-guide coupled titanium-coated dome tweeter
- Three-point mounting system for easy installation
- Mounting support ring and tile rails included
- No additional accessories needed for most installations
- Europe Evac version ceramic block terminal and thermal fuse

EVID C8.2D/C8.2LP EVID Series 8" Two-Way Ceiling System

- For use where a flush-mount design is desired but demand for high-quality audio exists
- Specially tuned enclosure
- 8" woofer
- 1.waveguide-coupled tweeter for coverage up to 18 kHz
- Four-point mounting system
- Mounting support ring and tile rails included
- No additional accessories needed for most installations
- Low profile back can (3.shorter in depth) for tight fitting ceiling spaces (C8.2LP)
- Europe Evac version ceramic block terminal and thermal fuse (only C8.2D)

EVID C8.2HC EVID 8" Two-Way Pattern Control Ceiling System

- For use in high-ceiling, reverberant "problem" rooms
- Exclusive ported, wave-guide coupled 8" driver
- Four-point mounting system
- Mounting support ring and tile rails included
- No additional accessories needed for most installations

EVID C10.1 EVID Series Compact and Powerful Ceiling Subwoofer

- 10" subwoofer in tuned high performance enclosure
- Low-frequency performance down to 45 Hz
- Flexible installation
- Four-point mounting system
- Mounting support ring and tile installations included
- No additional accessories needed for most installations

EVID C12.2 High-Performance Ceiling Speaker System

- For use in large venues including high-ceiling applications
- Features EVID 920-8B transducer
- 12" coaxial with high power handling and 100 dB sensitivity
- Integrated 64 W transformer allows for use in 70 V/100 V applications
- Automatic saturation compensation for distortion-free performance at high sound levels
- Transformer tap selection via a convenient switch on the front of baffle
- Rear enclosure is constructed from heavy-gauge steel
- Durable black powder-coat
- Tile bridge included for safe suspension in a drop ceiling that uses mineral wool or other fiber-based ceiling tiles
- Can also be suspended by an integrated 3/8" rigging point for use with threaded rod
- Can be mounted using the three pendant mount tabs on the rear enclosure
- Rear cover includes provisions for a junction box fitting providing access to a four-pin, phoenix-type connector that allows direct connection to the speaker with 12-gauge wire

	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 +Waveguide	Polypropylene cone	Polypropylene cone
HF Transducer	19 mm (0.75")	25 mm (1")	25 mm (1")		25 mm (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	100 W
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 Ω, 70 V, 100 V	8 Ω, 70 V, 100 V	8 Ω, 70 V, 100 V	8 Ω, 70 V, 100 V	8 Ω / 70 V / 100 V
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 13.11" x 16.3"
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 (27.12 lbs)
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					

S Series Mini Monitor

Live for Sound

A 5.25-inch, 160W, two-way monitor loudspeaker system. Ideal for distributed sound applications that require high-quality sound reproduction. The lowfrequency section is a 5.25-inch direct-radiating woofer with a polypropylene cone installed in an optimally vented, high-impact polystyrene enclosure. The high-fequency section is a one-inch, direct-radiating, soft-dome tweeter. The system's circuits automatically reduce power delivery to drivers if threshold is exceeded, reducing the possibility of driver failure.

S-40

S Series Speaker Systems

- Two-way, full-range ultracompact
- Ultra-linear frequency response
- Vented LF enclosure
- Full bandwidth protection circuit for woofer and tweeter
- Ferrofluid-cooled soft-dome tweeter
- Trapezoidal
- 2 x 1/4" –20 suspension points

	S-40
Frequency range	85 Hz – 20 kHz (+/- 3dB)
Sensitivity (SPL 1W/1m)	85 dB
Max. SPL/1m (calc.)	113 dB
Long-term power handling	160 W
Short-term power handling	640 W
Coverage (H° x V°)	100° x 100°
Directivity Index	9.8 dB (+3.8 / -3.6 dB) 2 kHz – 20 kHz
LF driver	5.25"
HF driver	1" Softdome
Crossover frequencies	3500 Hz
Nominal impedance (low Z version)	4 Ω
Minimum impedance (low Z version)	3.7 Ω
Input connections	spring terminal
Dimensions (H x W at front x D)	249 x 178 x 150 mm 9.8" x 7" x 5.9"
Net weight (including mounting bracket)	2.6 kg (5.7 lbs)

The Advanced Generation of Versatile, High-Performance, Lightweight Speakers. Building upon decades of experience manufacturing lightweight, molded enclosures with high-end components, ZX loudspeakers comprise a new family that takes audio technology to the next level.

New, high-power woofers and drivers, contemporary styling, and innovative mechanical solutions for all permanent installation and mobile stage applications make ZX the new standard in lightweight sound.

ZX1 — Composite 8" two-way

- EV8L high performnace 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 — Composite indoor/outdoor 8" two-way

- 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 easy installation
- wide range of motion included
- 4-pin detachable Phoenix-style connector
- Dedicated transformer models with wide range of selectable tabs
- Available in black and white

ZXA1 — Compact Powered Loudspeaker

- Integrated 800 watt power amplifier
- Biamplified design with transducer protection
- EV8L 8"high-output LF transducer
- DH205 1" exit true compression driver
- 100° x 100° and 90° x 50° coverage pattern
- Rotatable horn design
- 123 dB maximum SPL
- Selectable high-pass filter for use with subwoofers
- Line and microphone inputs
- Integral monitor angle on enclosure
- Built-in pole mount
- Lightweight (< 20 lbs) with integral handle for easy carrying
- Available in black and white

Zx/ZxA Series

ZX3

Composite 12" two-way

- Seven M8 rigging points, two single stud fittings
- NL4 or two conductor SJO cable and gland nut (weatherized versions)
- 90° x 50° and 60° x 60° Horn patterns
- Available in 2 finishes: indoor; wheatherized; each black and white

ZX4

Composite 15" two-way

- 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

ZX5

Composite 15" two-way

- 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)
- 90° x 50° and 60° x 60° Horn patterns
- 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
- Available black, white and wheatherized

ZXA5

- 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
- Horn pattern 90° x 50°
- High Sensitivity, 133 dB Maximum SPL
- Adjustable Monitor Angle (45° or 55°)
- 3 Anchor Plates for Single Stud Fittings
- 10 Integral Suspension Points

	ZX1	ZX1i	ZX3	ZX4	ZX5	ZXA1	ZXA5
Frequency Response (-3 dB)	60 - 20000 Hz	60 - 20000 Hz	58 - 15000 Hz	60 - 20000 Hz	58 - 18000 Hz	60 Hz - 20 kHz Hz Full Range Mode	58 - 18000 Hz
Recommended High-Pass Frequency						36 Hz	100 Hz User Selectable
Sensitivity 1 W/1 m	94 dB	94 dB	97 dB	100 dB	98 dB		
Max. SPL/1m (calc)	123 dB	123 dB		132 dB	132 dB	123 dB	
System Power Handling (Continuous/Program/Peak)	200 W	200 W	600 W	400 W	600 W		
Nominal Impedance (Passive)	8 Ω			8 Ω	8 Ω		
Speaker Type	Fullrange, Mid-High, Two-Way, Wedges	Fullrange, Mid-High, Two-Way	Fullrange	Fullrange, Mid-High, Two-Way, Wedges	Fullrange, Mid-High, Two-Way, Wedges	Fullrange, Powered Monitors, Powered Speakers, Two-Way, Wedges	
Input Connections	Parallel Neutrik® NL4			Parallel Neutrik® NL4	Parallel Neutrik® NL4	XLR and TRS Combo; XLR with Independent Gain	XLR
Frequency Response (-10 dB)	48 - 20000 Hz	48 - 20000 Hz	48 - 20000 Hz	42 - 20000 Hz	39 - 20000 Hz	48 Hz - 20 kHz Hz Full Range Mode	50 - 20000 Hz
Coverage(Nominal -6 dB) H°	90°	90°	90°	60°	90°		
Coverage(Nominal -6 dB) V°	50°	50°	50°	60°	50°		
LF Transducer	EV8L	EV8L	DVX3121	EVS15SF	DVX3150	EV8L, 203mm (8") Driver	DVX3150
HF Transducer	DH2005	DH2005	ND2	DH3	ND2	DH2005, 25mm (1") Exit Compression Driver	ND2
Crossover Frequency				1500 Hz	1500 Hz	1800 Hz	1500 Hz
Minimum Impedance				6.5 Ω	6.5 Ω		
Enclosure Material	High Impact Polystyrene						
Grill	Polyester Powder Coated, 18GA Galvanized Steel						
Internal Crossover	Yes	Yes		Yes	Yes		
Max. SPL/1m (calc); half space							133 dB
LF Nominal Impedance					8 Ω		
Chassis Size	203.2 mm (8")	203.2 mm (8")		381 mm (15")	381 mm (15")		381 mm (15")
Flying		Yes		Yes	Yes		Yes
Outdoor	No	Yes	Yes	No	Yes		
Color	Black	Black, White	Black, White	Black	Black, White		
Rotatable Horn	Yes	Yes					
Low Frequency Power Handling (Continuous/Program/Peak)			500 W		500 W		
High Frequency Power Handling (Continuous/Program/Peak)			40 W		40 W		
HF Nominal Impedance					8 Ω		
HF Amplifier Power (RMS)							250 W
LF Amplifier Power (RMS)							1000 W
Power Requirement						120 V : 95 V - 132 V, 50 - 60 Hz, 0.6A; 230 V : 190 V - 264 V, 50 - 60 Hz, 0.4A	
Dimensions (H x W x D)	451x 282 x 263 mm 17.76" x 11.1" x 10.35"	451x 282 x 263 mm 17.76" x 11.1" x 10.35"	614 x 398 x 363 mm 24.17" x 15.65" x 14.3"	686 x 445 x 406 mm 27.01" x 17.52" x 15.98"	692 x 446 x 411 mm 27.24" x 17.56" x 16.18"	457 x 282 x 264 mm 17.99" x 11.1" x 10.39"	692 x 446 x 411 mm 27.24" x 17.56" x 16.18"
Weight Net	8.4 kg (18.52 lbs)	8.4 kg (18.52 lbs)	19.8 kg (43.65 lbs)	20.2 kg (44.53 lbs)	22.5 kg (49.6 lbs)	8.62 kg (19 lbs)	22.9 kg (50.49 lbs)

As a manufacturer of tour proven loudspeakers and amplifiers, it only makes sense to pair the two together within the most popular loudspeaker design in history. SXA offers the convenience of powered loudspeakers with the performance and reliability for which EV is known.

Sx80BE

- 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

Sx80TB

- 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

	Sx80	Sx100 +	Sx250
Frequency Range (-10 dB)	51 Hz - 20 kHz	60 Hz - 20 kHz	50 Hz - 20 kHz
Recommended High-Pass Frequency	---	---	45 Hz (12 dB/Oct.)
Axial Sensitivity SPL 1W/1m (Biamp mode)	92 dB	98 dB	99 dB
Max. SPL / 1m (calc.); full space	121 dB (100 V: 110 dB)	127 dB	130 dB
Long-Term Power Handling (low Z)	175 W	200 W	350 W
(100V resp. Biamp)	(60 W / 100 V)		
Short-Term Power Handling (Peak), low Z	700 W	800 W	1400 W
Coverage (nominal -6 dB) H° x V°	90° x 60° (CD Horn)	65° x 65° (CD Horn)	80° x 55°
Directivity Index (800 - 16000 Hz)	9.2 dB (+2.3/-3.9 dB)	11.1 dB (+2.4/-4.1 dB)	11.6 dB (+3.0/-6.9 dB)
LF woofer (transducer)	8" (---)	12" (---)	15"(DL15BFH)
HF throat diameter (transducer)	1" (DH2005)	1" (DH2010A)	1"(DH2010A)
Crossover Frequencies	2200 Hz	1500 Hz	1600 Hz
Nominal Impedance (non-transformer)	8 Ω	8 Ω	8 Ω
Minimum Impedance (non-transformer)	7.2 Ω	5.6 Ω	5.2 Ω
Input Connections	see above	see above	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"	625 x 431 x 330 mm 24.6" x 16.97" x 12.99"
Net Weight	8.2 kg (T/PIX: 9.3 kg) 18.1 lbs (T/PIX: 20.5 lbs)	14.5 kg (32 lbs)	18.1 kg (39.9 lbs)

	SxA100+	SxA250
Frequency Response (-10dB)	55 Hz to 20 kHz	55 Hz to 20 kHz
Rated Output Power		
long term	LF150 / HF 50 W	LF150 / HF 50 W
10ms burst	LF350 W / HF 80 W	LF350 W / HF 80 W
Max. Sound Pressure Level	124 dB	126 dB
HF Coverage (nominal)	65° x 65°	80° x 55°
Components LF	12“ woofer	DL15BFH
HF	DH 2010A	DH 2010A
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)
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)
2-Band EQ	LF: +/- 6 dB HF: +/- 4 dB	LF: +/- 6 dB HF: +/- 4 dB
Power Requirement	120 V or 220-240 V 50 / 60Hz	120 V or 220-240 V 50 / 60Hz
Dimensions (H x W x D)	586 x 429 x 312 mm 23.07" x 16.89" x 12.28"	625 x 437 x 333 mm 24.60" x 17.20" x 13.11"
Weight (net)	19.5 kg (43 lbs)	22.2 kg (48.94 lbs)

Sx80PI

- 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

Sx80PIX

- 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

Sx100+ Composite 12" two-way

- 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
- 4 x M8x1.25 attachment inserts

SxA100+ Powered composite 12" two-way

- 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

Sx250 15" two-way

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

SxA250 Powered 15" two-way

- 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 350 W plus 80 W 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

Sx300E

Composite 12" two-way

- 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
- Sx300 PI outdoor version
- Sx300 PIX for 70V/100V
- Available in black and white

Sx300PI

Composite weatherized 12" two-way

- 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
- Available in black and white

Sx300PIX

Composite weatherized 70/100v 12" two-way

- 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
- Available in black and white

Sx600

High output composite dual 12" two-way

- 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)

Sb122

Composite 12" subwoofer

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

	Sx300	Sx600PI	Sb122
Frequency Range (-10 dB)	50 Hz - 20 kHz	70 Hz - 18 kHz	45 - 600 Hz
Recommended High-Pass Frequency	---	90 Hz	48 Hz (12 dB/Oct.)
Axial Sensitivity SPL 1W/1m (Biamp mode)	99 dB	105 dB	99 dB*
Max. SPL / 1m (calc.); full space	131 dB (100 V: 123 dB)	138 dB	131 dB*
Long-Term Power Handling (low Z)	300 W	600 W	400 W
(100V resp. Biamp)	(200 W / 100V)		
Short-Term Power Handling (Peak), low Z	1200 W	2400 W	1600 W
Coverage (nominal -6 dB) H° x V°	65° x 65° (CD Horn)	65° x 65°	essentially omni
Directivity Index (800 - 16.000 Hz)	11.1 dB (+2.4 / -4.1 dB)	11.3 dB	---
LF woofer (transducer)	12" (DL12BFH)	2 x 12" (ND12,DL12BFH)	12" (EVS12)
HF throat diameter (transducer)	1" (DH2010A)	1"(DH2T)	
Crossover Frequencies	1500 Hz	1800 Hz	160 Hz
Nominal Impedance (non-transformer)	8 Ω	4 Ω	8 Ω
Minimum Impedance (non-transformer)	6.0 Ω	3.5 Ω	6.0 Ω
Input Connections	2 four-pin Speakon	SJO cable/gland nut	2 four-pin Speakon
Dimensions (H x W at front x D)	586 x 429 x 312 mm 23.07" x 16.89" x 12.28"	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	14.5 kg (PIX: 17.7 kg) 30 lbs (PIX: 49.0 lbs)	36.3 kg (80 lbs)	14.6 kg (32.2 lbs)

Phoenix represents the rebirth of Manifold Technology. Designed for tremendous SPL and sonic headroom, as well as ease of transport and set-up, Phoenix fills the needs of the live sound PA professional who finds that X-Array is just too much and Rx is not enough. The high-output performance of Phoenix has been optimized to reproduce rock, pop, and dance music. Using dual, ND2, neodymium compression drivers on a manifold horn and state-of-the-art DVX woofers, Phoenix loudspeakers can perform louder and longer with less stress on system components.

PX2122 High output dual 12" two-way

- 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

PX2152 High output dual 15" two-way

- 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

PX2181 High output dual 18" 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

PX1122M High output 12" two-way monitor

- Dual ND2 2" Voice Coil, 1" Exit Neodymium Compression Drivers
- VX3121 12" LF Transducer with Forced Air Cooling
- Very High Sensitivity, 132 dB 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

PX1152M High output 15" two-way monitor

- Dual ND2 2" Voice Coil, 1" Exit Neodymium Compression Drivers
- VX3151 15 " LF Transducerwith Forced Air Cooling
- Very High Sensitivity, 134 dB 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

	PX2122	PX2181	PX2152	PX1122M	PX1152M
Frequency Range (-10 dB)	60 Hz - 19 kHz	40 Hz - 180 Hz	50 Hz - 18 kHz	55 Hz - 19 kHz	50 Hz - 19 kHz
Recommended High-Pass Frequency	80 Hz (12 dB/Oct.)	32 Hz (12 dB/Oct.)	40 Hz (12 dB/Oct.)	50 Hz (12 dB/Oct.)	45 Hz (12 dB/Oct.)
Axial Sensitivity SPL 1 W/1 m	102 dB	105 dB	99 dB	98 dB	100 dB
Max. SPL /1 m (calc.); full space	138 dB	141 dB	136 dB	132 dB	134 dB
LF Power Handling (Passive)	––	––	1200 W Cont. / 4800 W Peak	600 W Cont. / 2400 W Peak	600 W Cont. / 2400 W Peak
LF Power Handling (Biamp)	1000 W Cont. / 4000 W Peak	1000 W Cont. / 4000 W Peak	1000 W Cont. / 4000 W Peak	500 W Cont. / 2000 W Peak	Peak 500 W Cont. / 2000 W Peak
HF Power Handling (Biamp)	80 W Cont. / 320 W Peak	––	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°	30° (or 45°) x 45° (or 30°)	Omnidirectional	60° (or 45°) x 45° (or 60°)	90° x 45°	90° x 45°
LF transducer	2 x 12" DVX3121	2 x 18" DVX3180	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	2 x 2" ND2-16
Crossover Frequencies	1600 Hz	80 Hz - 125 Hz	1600 Hz	80 Hz - 125 Hz	1600 Hz 80 Hz - 125 Hz
LF Impedance	4 Ω Nominal	4 Ω Nominal	4 Ω Nominal	8 Ω Nominal	8 Ω Nominal
HF Impedance	8 Ω Nominal	––	8 Ω Nominal	8 Ω Nominal	8 Ω Nominal
Input Connections	Neutrik Speakon NL4's	Neutrik Speakon NL4's	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™	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"	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	50.1 kg (110.3 lbs)	86.5 kg (190.5 lbs)	45.6 kg (100.5 lbs)	23.1 kg (51 lbs)	25.1 kg (55.3 lbs)

Rx Series has become the standard for regional sound companies, rental professionals, and contractors who want compact high-performance loudspeakers with concert-grade EV components. Covered with rugged EVCOAT, Rx looks great stacked, on poles, as monitors, or flown with simple, integrated, L-track rigging points on top and bottom. Their unique, asymmetrical, fully rotable horns with 15 degree downward bias ensures high-frequency coverage without having to tilt the enclosure toward the audience. Our powerhouse, the DH7 large-format driver (three-inch voice-coil, 1.4-inch exit) provides the high-frequency engine, while a selection of DL and EVX woofers anchor the low and sub frequencies. The combination of high-level components, unique design, and versatility make Rx Series one of the best values in the industry.

Rx 112/75 Compact 12" two-way

- 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 Compact 15" two-way

- 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 118S Compact 18" subwoofer

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

QRx 153/75 Compact 15" three-way

- 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 tightpack situations
- Comes with L-track hardware and single-stud ancra fittings

Rx 212/75 Compact dual 12" two-way

- 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)
- Dedicated horizontal version RxH 212/75

Rx 218S Compact dual 18" subwoofer

- Subwoofer
- Direct radiating vented design
- High Sensitivity
- Solid bass down to 31 Hz (-10 dB)
- Rectangular
- Equipped with shown features below
- Flyable version available

	Rx112/75	Rx115/75	QRx153/75	Rx(H) 212/75	Rx215	Rx118	Rx218S
Frequency Range (-10 dB)	52 Hz - 18 kHz	45 Hz - 15 kHz	42 Hz - 20 kHz	50 Hz - 15 kHz	40 Hz - 250 Hz	38 / 40 Hz - 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	38 Hz - 125 Hz	36 / 38 Hz - 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.)	36 Hz (12 dB/Oct.)	35 Hz (12 dB/Oct.)
Axial Sensitivity SPL 1W/1m (Biamp operation)	100 dB (100 dB / 112 dB)	100 dB (101 dB / 112 dB)	98 dB / 105 dB	102 dB (102 dB / 112 dB)	98 dB	98 dB	100 dB
Max. SPL / 1m (calc.)	131 dB	133 dB	130 dB	136 dB	133 dB	132 dB / 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)	800 W	600 W / 800 W	800 W
Peak Power Handling (Biamp)	1400 W (1200 W / 300 W)	1800 W (1600 W / 300 W)	1600 W / 600 W / 600 W	2600 W (2400 W / 300 W)	3200 W	2400 W / 3200 W	1600W
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	essentially omni
LF woofer (transducer)	12" (DL12BFH)	15" (DL15X)	15" (DL15ST)	2x 12" (DL12BFH)	2x 15" (DL15)	1x 18" (EVX) / 2x 15" (DL15)	2x 18" (DL18MT)
VC diameter	3" (DH7)	3" (DH7)	8" MF8 MF/ 3" DH7 HF	3" (DH7)	---	---	---
Crossover Frequencies (slope in Biamp mode)	1500 Hz (24 dB/Oct.)	1500 Hz (24 dB/Oct.)	1200 Hz	1500 Hz (24 dB/Oct.)	100 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)	4 Ω	8 Ω / 4 Ω	4 Ω
Input Connections	2 Neutrik® NL4	2 Neutrik® NL4	2 Neutrik® NL4	2 Neutrik® NL4	2 x 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"	1240 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"	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)	48.5 kg (102 lbs)	47.5 / 48.5 kg (100 / 102 lbs)	59.5 kg (131 lbs)

Tour X embodies the same engineering excellence and aesthetic design found in every world-class EV tour system. Its form is seamlessly integrated into practical, functional elements that make a bold statement about the multi-application purpose and breakthrough performance. A host of innovative features and patent-pending designs make Tour X the most exciting portable loudspeaker series available.

TX1122 12" two-way

- DH3 1.25" (32 mm) Diaphragm, 1" (25 mm)-exit pure titanium compression driver
- SMX2120 12.(305 mm) LF transducer with fully symmetric drive
- Advanced fourth-order crossover with HF protection
- 90° x 50° coverage pattern
- 97 dB sensitivity, 130 dB maximum SPL
- 500 W continuous, 2000 W peak power handling
- Pole mount for tripod use
- Six points for suspension

TX1152 15" two-way

- DH3 1.25" (32 mm) Diaphragm, 1" (25 mm)-exit pure titanium compression driver
- SMX2151 15" (381 mm) LF transducer with fully symmetric drive
- Advanced fourth-order crossover with HF protection
- 60° x 40° rotatable coverage pattern
- 100 dB sensitivity, 133 dB maximum SPL
- 500 W continuous, 2000 W peak power handling
- Pole mount for tripod use
- Six points for suspension

TX1181 18" subwoofer

- EVS-18S 18" (457 mm) LF transducer
- 100 dB sensitivity, 132 dB maximum SPL
- Integrated low pass filter with 6 dB / octave slope
- 500 W continuous, 2000 W peak power handling
- Pole mount to elevate a two-way loudspeaker
- Mounting points to attach optional TX-W1 wheel kit

TX2181 Dual 18" subwoofer

- Dual EVS-18S 18" (457 mm) LF transducers
- 103 dB sensitivity, 138 dB maximum SPL
- 1000 W continuous, 4000 W peak power handling
- Four integrated handles for easy portability
- Mounting points to attach optional TX-W1 wheel kit

TX2152 Dual 15" Two-way Full-range

- ND2-8 2" (51 mm) diaphragm, 1" (25.4 mm)-exit neodymium compression driver
- Dual SMX2151 15" (381 mm) LF transducers with fully symmetric drive
- Advanced sixth-order crossover with HF protection
- 60° x 40° rotatable coverage pattern
- 103 dB sensitivity, 139 dB maximum SPL
- 1000 W continuous, 4000 W peak power handling
- Six points for suspension

TX1122FM 12" two-way dedicated floor monitor

- 55° compact vertical floor monitor with Signal Synchronized Transducers™
- 99 dB sensitivity, 132 dB maximum SPL
- DH3 1.25" (32 mm) diaphragm, 1.(25 mm)-exit pure titanium compression driver
- SMX2121 12" (305 mm) LF transducer with fully symmetric drive
- Integrated crossover with steep 24 dB / octave slopes and HF protection
- 90° x 50° coverage pattern
- 500 W continuous, 2000 W peak power handling

TX1152FM 15" two-way dedicated floor monitor

- 55° vertical floor monitor with Signal Synchronized Transducers™
- 100 dB sensitivity, 133 dB maximum SPL
- DH3 1.25" (32 mm) diaphragm, 1.(25 mm)-exit pure titanium compression driver
- SMX2151 15" (381 mm) LF transducer with fully symmetric drive
- Integrated crossover with steep 24 dB / octave slopes and HF protection
- 90° x 50° coverage pattern
- 500 W continuous, 2000 W peak power handling

	TX1122	TX1122FM	TX1152	TX1152FM	TX1181	TX2152	TX2181
Frequency Response (-3 dB)	60 - 20000 Hz	70 - 20000 Hz	55 - 20000 Hz	65 - 20000 Hz	50 - 160 Hz	55 - 13000 Hz	50 - 160 Hz
Sensitivity 1 W/1 m	97 dB	99 dB	100 dB	100 dB	100 dB	103 dB	103 dB
Max. SPL/1m (calc)	130 dB	132 dB	133 dB	133 dB	132 dB	139 dB	138 dB
System Power Handling (Continuous/Program/Peak)	500 W	500 W	500 W	500 W	500 W	1000 W	1000 W
Nominal Impedance (Passive)	8 Ω	8 Ω	8 Ω	8 Ω	8 Ω	4 Ω	4 Ω
Speaker Type	Fullrange	Fullrange	Fullrange	Fullrange	Subs	Fullrange	Subs
Input Connections	Parallel Neutrik® NL4	Parallel Neutrik® NL4	Parallel Neutrik® NL4	Parallel Neutrik® NL4	Parallel Neutrik® NL4	Parallel Neutrik® NL4	Parallel Neutrik® NL4
Frequency Response (-10 dB)	45 - 20000 Hz	55 - 20000 Hz	40 - 20000 Hz	45 - 20000 Hz	45 - 700 Hz	50 - 18000 Hz	40 - 1500 Hz
Coverage(Nominal -6 dB) H°	90°	90°	60°	90°		60°	
Coverage(Nominal -6 dB) V°	50°	50°	40°	50°		40°	
LF Transducer	SMX2120	SMX2121	SMX2151	SMX2151	EVS18S	(2) SMX2151	(2) EVS18S
HF Transducer	DH3	DH3	DH3	DH3		ND2	
Crossover Frequency	1750 Hz	1600 Hz	1650 Hz	1750 Hz		1750 Hz	
Minimum Impedance	5.4 Ω	6.4 Ω	5.6 Ω	6.2 Ω	7.5 Ω	3.1 Ω	2.9 Ω
Enclosure Material	Plywood and MDF with EVCOAT	Plywood and MDF with EVCOAT	Plywood and MDF with EVCOAT	Plywood and MDF with EVCOAT	Plywood and MDF with EVCOAT	Plywood and MDF with EVCOAT	Plywood and MDF with EVCOAT
Suspension	(6) 3/8-inch threaded inserts		(6) 3/8-inch threaded inserts			(6) 3/8-inch threaded inserts	
Internal Crossover	Yes	Yes	Yes	Yes	Yes	Yes	No
Flying	Yes	No	Yes	No	No	Yes	No
Rotatable Horn	No	No	Yes	No		Yes	
Dimensions (H x W x D)	616 x 382 x 380 mm 24.25" x 15.04" x 14.96"	440 x 364 x 573 mm 17.32" x 14.33" x 22.56"	776 x 446 x 446 mm 30.55" x 17.56" x 17.56"	475 x 439 x 655 mm 18.7" x 17.28" x 25.79"	769 x 439 x 591 mm 30.28" x 17.28" x 23.27"	1154 x 508 x 471 mm 45.43" x 20" x 18.54	1154 x 508 x 691 mm 45.43" x 20" x 27.2"
Weight Net	20.2 kg (44.53 lbs)	19.8 kg (43.65 lbs)	27.8 kg (61.29 lbs)	23.5 kg (51.81 lbs)	33.8 kg (74.52 lbs)	42.8 kg (94.36 lbs)	56.1 kg (123.68 lbs)

The Variplex II is one example of the many THX-approved Electro-Voice systems. They join the large, diverse family of EV cinema products developed for both large and small cinemas. EV's wide range of products and time-proven acoustic excellence ensures that any system can be designed to fit any room, and more importantly, that the cinema experience will be the best your customers have ever heard. And take note: The High-quality, CPS Series amplifiers are part of this formula for success.

Variplex II Three-Way Screen Channel Speaker

- 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 Screen Channel Speaker

- 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™

Variplex Matinee Three-Way Screen Channel Speaker

- Three-way design for intelligibility and clarity
- Asymmetric Directed Coverage™ technology for even coverage from simple installation
- Very uniform frequency response
- Digital Dynamic Capable™, wide dynamic range
- Compact and fully assembled
- Passive or bi-amp operation
- THX® approved

TL Series low-frequency systems offer a variety of low-frequency solution for general fixed installation or low-frequency supplementation in existing installations. Low-frequency systems have f3s as low as 40 Hz. Response below 30 Hz is generally required for theatrical effects, reproduction of pipe organs, and some special effects in contemporary music, such as synthesizers and down-tuned bass guitars. The TL 880D is specially suited for this special type of application.

TL440

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

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

	Variplex II XL	Variplex II	Variplex M	TL440	TL880D
Frequency Range	34 Hz - 16 kHz	34 Hz - 16 kHz	45 Hz - 18 kHz	33 Hz - 3.2 kHz	23 Hz - 1.8 kHz
Sensitivity, 1W/1m (LF/MF/HF)	104 dB / 109 dB / 112 dB	101 dB / 109 dB / 112 dB	104 dB	96 dB / 102 dB	99 dB / 105 dB
Max.SPL/1m (calc.) (ave./peak)	130 dB / 136 dB	130 dB / 136 dB	127 dB / 133 dB	130 dB / 136 dB	136 dB / 162 dB
Crossover Frequency	500 Hz / 1300 Hz	500 Hz / 1300 Hz	500 Hz		
Long-term Power Handling (LF/MF/HF)	1600 W / 400 W / 75 W	800 W / 400 W / 75 W	500 W / 300 W	600 W	1200 W
Short-term Power Handling (LF/MF/HF)	6400 W / 1600 W / 300 W	3200 W / 1600 W / 300 W	2000 W / 1200 W	2400 W	4800 W
Coverage Horizontal (long axis/short axis)	90°	90°	90°	omnidirectional(<125 Hz)	omnidirectional
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	1 x EVX 180B	2 x EVX180B
Nominal Impedance	2 x 4 Ω / 4 Ω / 8 Ω	4 Ω / 4 Ω / 8 Ω	4 Ω / 4 Ω	8 Ω	4 Ω
Dimensions (H x W x D)	1924 x 1296 x 396 mm 75.8" x 51" x 15.6"	1924 x 648 x 396 mm 75.8" x 25.5" x 15.6"	1924 x 648 x 396 mm 75.8" x 25.5" x 15.6"	1003 x 572 x 559 mm 39.5" x 22.5" x 22"	1210 x 762 x 605 mm 47.5" x 30" x 23.8"
Weight (net)	139 kg (306.4 lbs)	74 kg (163.1 lbs)	72,6 kg (160.1 lbs)	49 kg (108 lbs)	72.6kg (160 lbs)

SL series cinema surround loudspeakers utilize finest components to achieve even and acoustically pleasing surround sound field.

The family consists of two models:
SL10-2V – a 10"/ 2 way cabinet and
SL12-2V, the 12"/2 way model.
Both utilize 1" HF compression drivers coupled to 100° x 100° (SL10-2V) and 100° x 90° waveguides for maximum HF pattern control.

SL10-2V SL12-2V SL Series Cinema Speaker Systems

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

	SL12-2V	SL10-2V
Frequency Range	70 Hz - 20 kHz	60 Hz - 20 kHz
Sensitivity, 1W/1m	93 dB	93 dB
Max.SPL/1m (calc.) (ave./peak)	116 dB / 121 dB	113 dB / 119 dB
Long-term Power Handling	200 W	100 W
Short-term Power Handling	800 W	400 W
Coverage (H x V)	100° x 90°	100° x 100°
LF driver	12" woofer	10" woofer
HF driver	DH2010A	1" compression driver
Nominal Impedance	8 Ω	8 Ω
Dimensions (H x W x D)	535 x 476 x 335 mm 21" x 18.7" x 13"	476 x 318 x 275 mm 18.75" x 12.5" x 10.8"
Weight (net)	21.4 kg (47 lbs)	10.5 kg (23.1 lbs)

EV compression driver requirements call for ultra-precise tolerances, state-of-the-art modeling routines, and exceptional engineering expertise. Manufacturing techniques are frequently pushed to process limits, and materials are formed and stabilized with cutting-edge systems and controls. Each EV compression driver's parameters are tightly controlled to ensure world-class performance, putting these drivers at the top of the class in every respect.

DH2T-8/DH2T-16 2" Driver

- One-inch exit screw-on, medium-format compression driver
- 160-watt power rating
- 2" titanium diaphragm
- High performance on a wide variety of thread-on horn designs
- Impedance 8 Ohms

DH3/2010A 1.25" Driver

- One-inch exit screw-on, small-format compression driver
- 80-watt power rating
- 1.25" titanium diaphragm
- Excellent extended-bandwidth
- HF driver for multi-way loudspeaker systems
- Impedance 8 Ohms

DH7-8/DH7-16 High-Value 3" Driver

- Large-format ceramic compression driver
- 300-watt power rating
- 3" titanium diaphragm
- 1.4" or 2" exit diameter for use on almost any highperformance horn
- Excellent for use with directradiator or horn-loaded LF and MB sections
- Impedance 8 or 16 Ohms

ND6-8/ND6-16 High-Value 3" Driver

- Large-format neodymium compression driver
- 300 W power rating
- 3" titanium diaphragm 1.4" or 2" exit diameter for use on almost any HP horn
- EV's highest-performance compression driver gives world-class performance in any application
- Impedance 8 or 16 Ohms

ND6x-8/ND6-16 High-Performance High-Value 3" 500 Hz Driver

- Large-format neodymium compression driver
- 300 W power rating
- 3" titanium diaphragm with 1.4" or 2" exit diameter for use on almost any HP horn
- EV's highest-performance compression driver gives world-class performance in any application
- ND6X from > 500 Hz
- Impedance 8 or 16 Ohms

	DH7-8/DH7-16	ND6-8/ND6-16	DH2T	DH3/DH2010A
Frequency response	1000 Hz – 20 kHz	1000 Hz – 20 kHz / 500 Hz - 16 kHz (ND6X)	1200 Hz – 20 kHz	1500 Hz – 20 kHz
Crossover frequency (minimum)	1000 Hz	1000 Hz	1200 Hz	1500 Hz
Midband sensitivity*	111 dB	112 dB	112 dB	111 dB
Long-term power rating (AES)	75 W	75 W	40 W	20 W
Short-term power rating	300 W	300 W	160 W	80 W
Impedance	8 Ω / 16 Ω	8 Ω / 16 Ω	8 Ω	8 Ω
Throat diameter	35 mm adapter (1.4" / 2.0")	35 mm adapter (1.4" / 2.0")	25 mm (0.98")	25 mm (1.0")
Diaphragm diameter	76 mm (3.0")	76 mm (3.0")	50 mm (2.0")	32 mm (1.25")
Overall diameter	165 mm (6.5")	132 mm (5.2")	132 mm (5.2")	107 mm (4.5")
Overall depth	69 mm (2.7")	69 mm (2.7")	89 mm (3.5")	89 mm (3.5")
Net weight	4.54 kg (10.0 lbs)	2.5 kg (5.5 lbs)	2.27 kg (5.0 lbs)	1.5 kg (3.4 lbs)
*Average from 1,000 Hz–5 kHz on HP6040 horn (DH3 average from 1,500 Hz–5 kHz on HPT64 horn)				

Low Frequency Transducers

EV component woofers are high-efficiency designs highly refined from years of development and field experience. They employ extended-length voice coils for high-impact reproduction of dynamic low-frequency program. All woofers feature proprietary heat-transfer systems for unmatched power capacity and reliability. Kevlar®-fiber-composite cones are used to provide structural strength to resist collapse during explosive dynamic peaks and to provide internal mechanical damping to minimize resonances that can change the character of the sound at high levels. DL and EVX woofers are made of cast aluminium frames with push terminals, and all feature Ring-Mode Decoupling™ (RMD™) except for the DL18MT and the EVX180B.

DL12BFH Chassis

- 12" woofer
- Cast Aluminium frame
- 300 watt Cont. 1200 watt peak
- 100 dB Sensitivity
- Impedance 8 Ohms

EVX155 Chassis

- 15" woofer
- Cast Aluminium frame
- 600 watt cont. 2400 watt peak
- 98 dB Sensitivity
- Touring grade performance
- 4" Edge Wound Voice Coil
- Impedance 8 Ohms

EVX180B Chassis

- 18" woofer
- Cast Aluminium frame
- 600 watt cont. 2400 watt peak
- 99 dB sensitivity
- Touring grade performance
- 4" Edge Wound Voice Coil
- Impedance 8 Ohms

EVM12L BlackLabel

Zakk Wylde signature guitar speaker

- the OFFICIAL guitar loudspeaker of Zakk Wylde and Black Label Society
- improved power handling, improved magnet design, better venting
- 300W
- Frequency Response 80Hz - 7kHz
- Sensitivity 100dB
- Impedance 8 or 16 Ohms

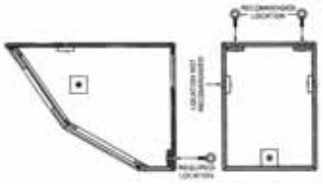
EVM12L Classic

The Classic EVM12L guitar speaker

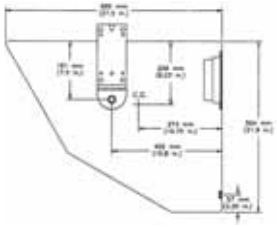
- 200W Power handling
- Frequency response: 80Hz – 7kHz (at -10 dB down)
- Heavy-duty cast frame reduces the low-frequency flex inherent in stamped frame designs.
- Large 16lbs (7.3kg) magnet allows for higher efficiency, better cooling and maximum output
- Manufactured in the USA
- Impedance 8 or 16 Ohms

	DL12BFH	EVX155	EVX180B	EVM12L Black Label	EVM12L Classic
Cone diameter	305 mm (12")	381 mm (15")	457 mm (18")	305 mm (12")	305 mm (12")
Coil diameter	63.5 mm (2.5")	101.6 mm (4")	101.6 mm (4")	63.5 mm (2.5")	63.5 mm (2.5")
Impedance	8 Ω	8 Ω	8 Ω	8 Ω or 16 Ω	8 Ω or 16 Ω
Frequency range	60 – 2500 Hz	40 – 2000 Hz	30 – 800 Hz	80 Hz – 7 kHz	80 Hz – 7 kHz
Long-term power rating (EIA)	300 W	600 W	600 W	300 W	200 W
Short-term power rating	1200 W	2400 W	2400 W	1200 W	1000 W
Sensitivity (1 W @ 1 m)	96 dB	98 dB	98 dB	100 dB	100 dB
Maximum SPL	120.8 dB	125.8 dB	125.8 dB	125 dB	125 dB
Efficiency	3.69%	4.32%	3.4%	5.9%	5.9%
Frame front diameter	309.6 mm (12.19")	385.0 mm (15.16")	460.5 mm (18.13")	309.6 mm (12.19")	309.6 mm (12.19")
Magnet diameter	155.6 mm (6.13")	209.6 mm (8.25")	209.6 mm (8.25")	190.5 mm (7.5")	190.5 mm (7.5")
Overall depth	133.4 mm (5.25")	184.2 mm (7.25")	203.2 mm (8.00")	133.4 mm (5.25")	133.4 mm (5.25")
Mounting bolt circle diameter	293.7 mm (11.563")	369.9 mm (14.563")	441.3 mm (17.375")	293.7 mm (11.563")	293.7 mm (11.563")
Baffle cutout diameter	281.0 mm (11.063")	357.2 mm (14.063")	425.5 mm (16.750")	281.0 mm (11.063")	281.0 mm (11.063")
Net weight	5.0 kg (11.1 lbs)	10.3 kg (22.8 lbs)	10.6 kg (23.4 lbs)	8.6 kg (19 lbs)	8.6 kg (19 lbs)

EVI 12/15/28 EBK-1 (Eyebolt-Kit)

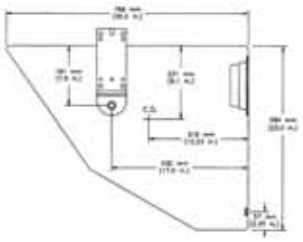


EVI-12 Ceiling mount



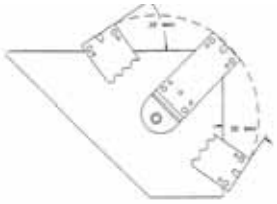
EVI-12MBB black
EVI-12MBW white

EVI-15 Ceiling mount



EVI-15MBB black
EVI-15MBW white

EVI-28 Wall or ceiling mount



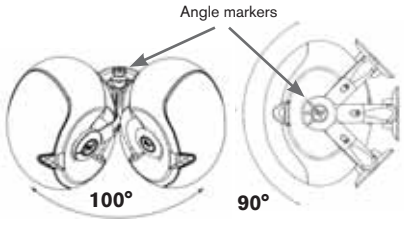
EVI-28MBB black
EVI-28MBW white

The radius of action is 140°.

EVID 12.1 1 Eyebolt is included.

Note: One 3/8“-16-thread forged steel eyebolt is included. A second is necessary!

EVID 3.2 / 4.2 / 6.2



SAM™ comes with each EVID™ system and includes a hex-key-tool. SAM™ has angle markers to make installation easier.

EVID 12.1

Bracket passes EIA 636 at a safety factor of 8:1.

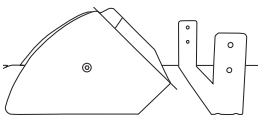
The bracket for on-wall or corner mounting and a safety eyebolt comes with EVID 12.1.

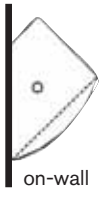
FRi+ 4 Eyebolts included (imperial)

EVF Series / EVH Series

4 M10 metric eyebolts included

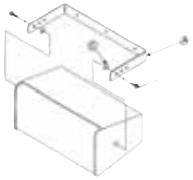
FRi-2082 Under balcony/on-wall mount





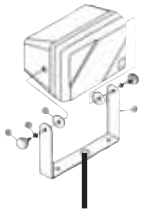
The 100° x 100° dispersion angle allows one to install FRi-2082 vertically on the wall as well. Mounting bracket comes with FRi-2082.

Xi- 1082 Under balcony or on-wall mount



MB-1082: black

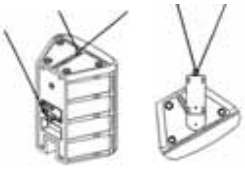
S-40 Wall, ceiling or stand mount



Note: The threat diameter can be reduced with a standard 5/8-inch screw adapter for different mic stands.

S-40 MB/B: black
S-40 MB/W: white

Sx 100/300, Sb 122

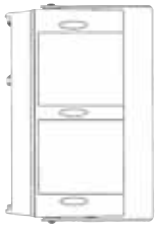


1) 2)

1) MB 100
2) MB 100 + MB 200

Security advice:
When flown by 90° (figure 2) don't use eyebolts only!

Sx 80 Wall or ceiling mount



For cost effective installation.

Sx 80 MBB black
Sx 80 MBW white

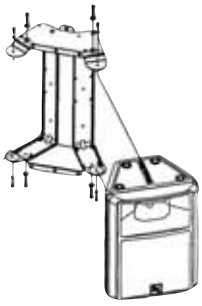
Sx 250/SxA250 Sk-1 Rigging Kit

Stand mount

For speakers stands with 35 mm diameter.

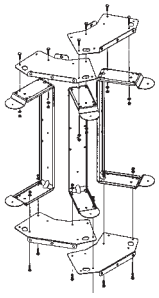
Sx 80 SM black

Sx 100 / Sx 300 / Sb 122



Horizontal Cluster 120° (2 systems)

2 x MB 200 + 1 x MB 300 neccessary

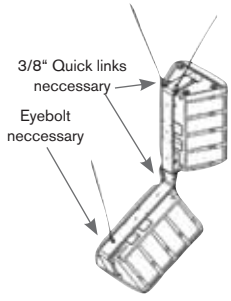


Horizontal Cluster 180° (3 systems)

3 x MB 200 + 2 x MB 300 neccessary

Wall or ceiling-mount

1 x MB 200 neccessary



Vertical Cluster

2 x MB 200 neccessary

Sx-Series™ hardware-overview:

Sx 80

Sx 80 SM	Stand mount	black
Sx 80 MBB	U-bracket	black
Sx 80 MBW	U-bracket	white

Sx 100+

MB 200 B	U-bracket	black
MB 200 W	U-bracket	white

Sx 300

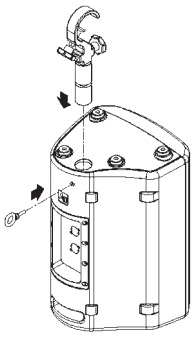
MB 300 B	Array-kit (2 plates)	black

Sb 122

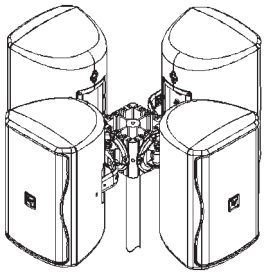
MB 300 W	Array-kit (2 plates)	white

ZX1

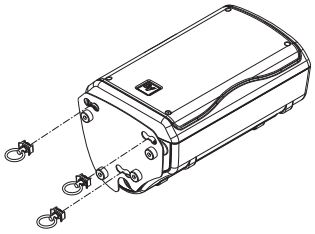
ZX1-90 + TCA-ZX1



ZX1i + AB-ZE

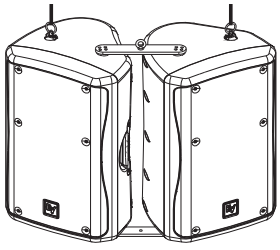


ZX1 - 90 + MP1 -B



ZX3 / ZX5

MB-3/MB-5 Wall/Ceiling mounting bracket



CB5 cluster bracket kit

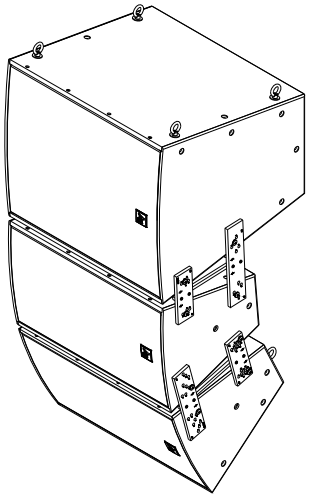
VSA-1 using HA3

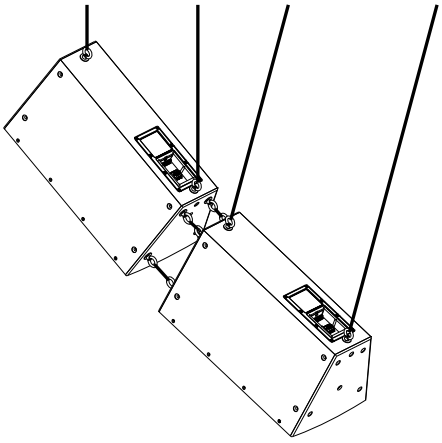
EBK-3 M8 eyebolt kit

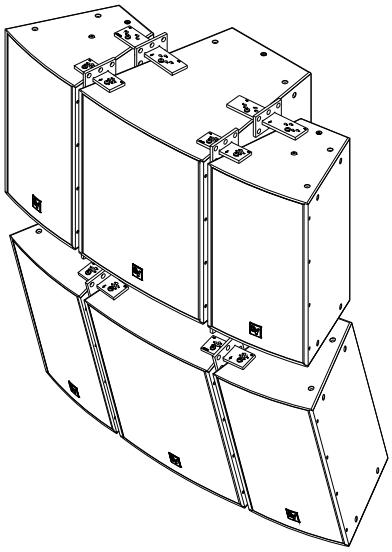
SSK-1

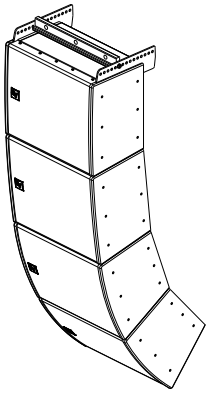
HA-3 or HA-5 handel adapter
to be used with VSA-1

EV Innovation



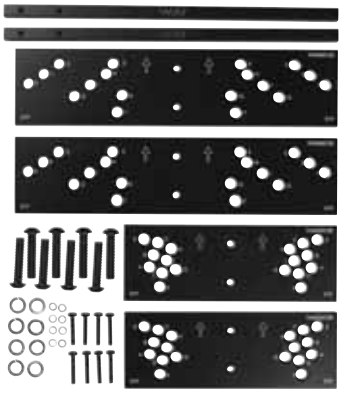




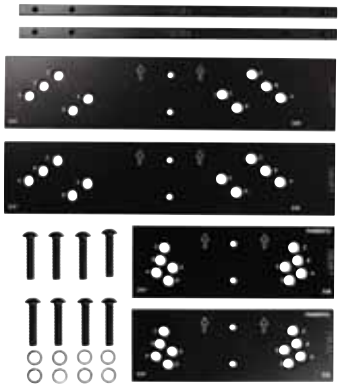


EVF / EVH Series

VRK-1



VRK-2



HRK and VRK rigging kits

(HRK not shown)

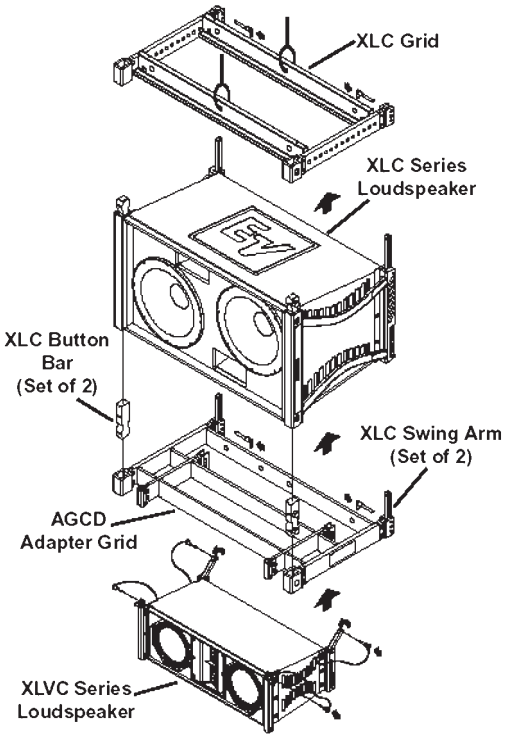
EVA / EVF / EVH Series gland nut cover plates

CDG
Dual gland nut cover plate

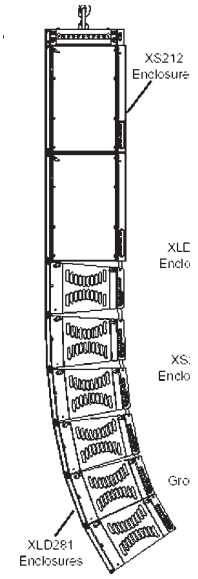
CDNL4
Dual NL4 cover plate

CSG
Single Gland Nut cover plate

XLD281 + XLC215 + AGCD

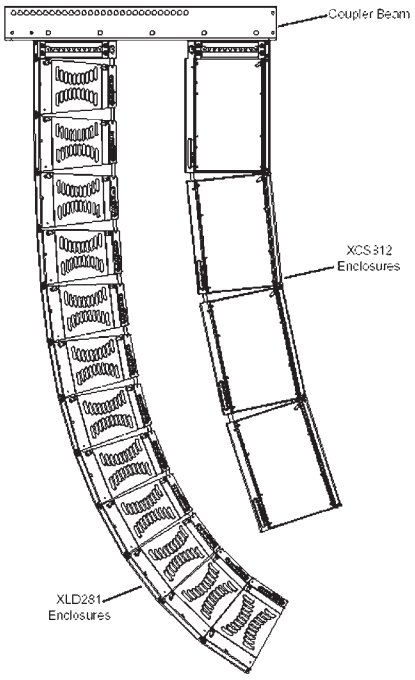


XLD281 + XCS 312



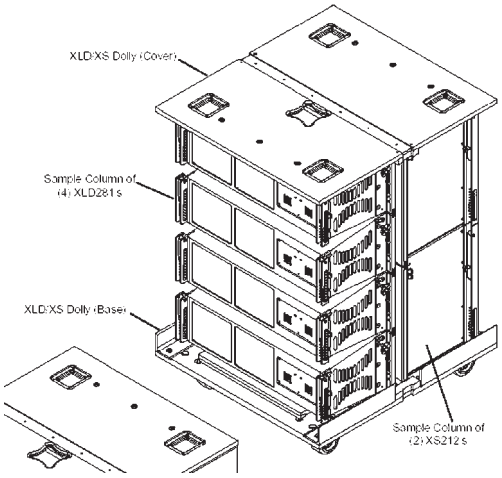
Side View

XLD281 + XCS 312 + CBeam

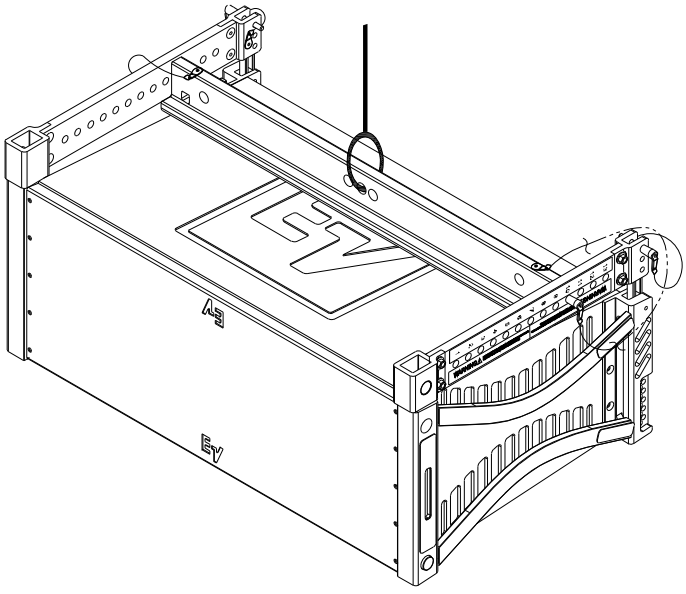


Side View

XLD281 + XCS 312 + Dolly

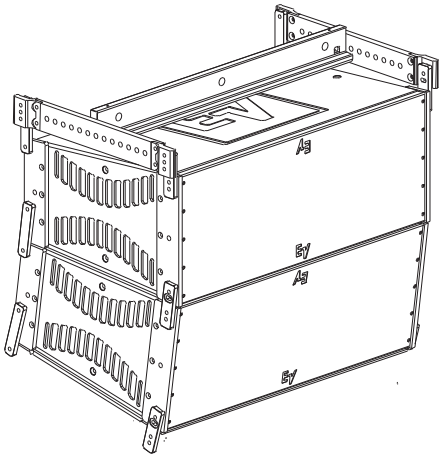


XLC concert/portable Rigging



B-1 Grid for XLC
(other rigging hardware included with speaker)

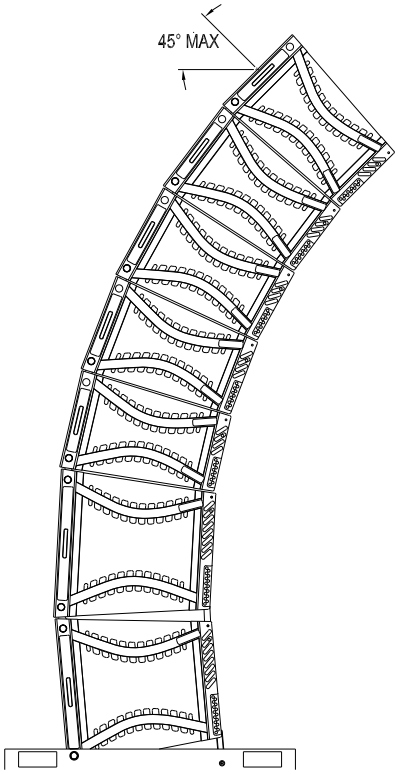
XLCi install rigging



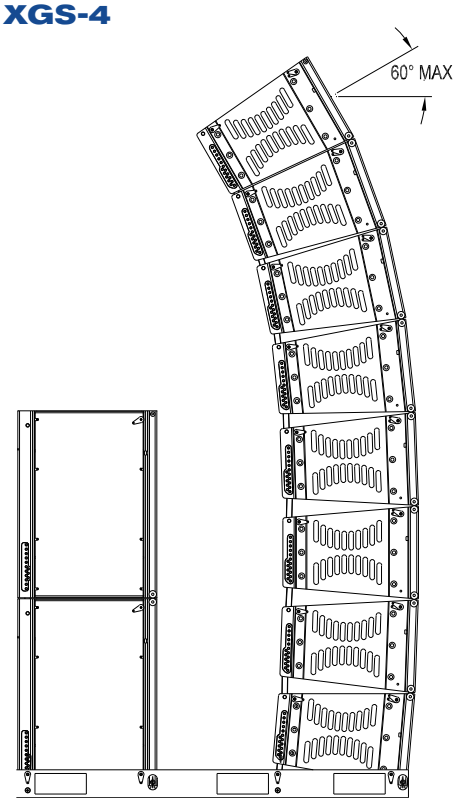
B-2 Grid for XLCi
(other rigging hardware included with speaker)

XLC and XLVC ground stack kits

XGS-3



XGS-4



Tour Grade amplifiers are designed for most demanding audio applications in touring sound and fixed installation. Based on Grounded Bridge Class-H topology, they offer a unique combination of high output power, sonic excellence and high-efficiency in a compact lightweight format. Their integrated switch-mode power supply provides sufficient headroom to ensure high dynamic outputs and reliable operation on extreme low loads.
Optional IRIS-Net™ Module RCM-26 opens up a whole world of state-of-the-art DSP including FIR-Drive, remote control, networking and unique system supervision – down to an individual loudspeaker component.

TG7 Tour Grade Amplifier

- Up to 2 x 3500 W into 2 ohms
- Grounded Bridge Class-H design
- Switch mode power supply
- Microprocessor-controlled
- Front LCD panel for operation mode set-up and monitoring
- Slot for optional RCM-26 IRIS-Net compatible DSP and control module
- 11-level protection package
- Only 32 lbs (14.5 kg)

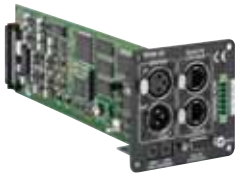
TG5 Tour Grade Amplifier

- Up to 2 x 1900 W into 2 ohms
- Grounded Bridge Class-H design
- Switch-mode power supply
- Microprocessor-controlled
- Front LCD panel for operation mode set-up and monitoring
- Slot for optional RCM-26 IRIS-Net-compatible DSP and control module
- 11-level protection package
- Only 31.4 lbs (14.2 kg)

UCC1 Remote Control Interface

- USB-CAN converter for IRIS-Net enabled devices
- Supports up to 100 CAN devices
- Parallel CAN connections on RJ-45 Ethercons
- USB-powered
- XLR jack for audio bus monitoring
- 19" rackmount panel included
- Status LED shows CAN activity and device status

RCM-26 IRIS-Net Remote Control Module for Tour Grade Amplifiers



- Extensive DSP Functionality including FIR-Drive technology
- High precision load impedance supervision
- Two GPI and two GPO ports
- One-button system check allows a complete diagnostic test of all connected cables and loudspeaker components in a matter of minutes
- Pilot tone detection for cable supervision
- Six recallable DSP/configuration presets
- Parallel RJ-45 CAN bus connectors

	RCM-26	TG5			TG7		
		2 Ω	4 Ω	8 Ω	2 Ω	4 Ω	8 Ω
Continuous Output Power(1 kHz, THD 1%)		2000 W	1450 W	850 W	3500 W	2500 W	1500 W
Continuous Output Power(20-20 kHz, THD<0,2%)			1200 W	600 W		2100 W	1050 W
Maximum Bridged Output			3800 W	2900 W		7000 W	5000 W
Amplifier Gain		39 dB, 35 dB, 32 dB (switchable)			41.5 dB, 35 dB, 32 dB (switchable)		
Analog Inputs	2 audio inputs on internal slot connector, pre-/post fader selectable						
CAN Bus Interface	10 - 500 kbaud, 2x RJ-45 (IRIS-Net Control)	Optional with RCM-26			Optional with RCM-26		
DIM 30		0.02 %			0.02 %		
Input Impedance (Balanced)		20 kΩ			20 kΩ		
Input Sensitivity		0 dBU / +6 dBu / +7 dBu (switchable)			0 dBu / 4 dBu / 9 dBu (switchable)		
Intermodulation Distortion (SMPTE)		0.05 %			0.05 %		
Network Control (IRIS-Net)	Yes	Optional			Optional		
Slew Rate		30 V/µs			35 V/µs		
Total Harmonic Distortion		0.05 %			0.05 %		
A/D Conversion	24 Bit linear, Sigma-Delta, 128 times oversampling						
Data Format	24 Bit linear A/D and D/A conversion, 48 Bit processing						
Internal Processing	2 DSPs (150 MHz, 300 MIPS)						
Signal-to-Noise Ratio (A-weighted)	116 dB	109 dB			111 dB		
THD+N	< 0.005%						
D/A Conversion	24 Bit, Sigma-Delta, 128 times over-sampling						
Sample Rate	48 kHz						
Digital Inputs	AES3 (AES/EBU) format, XLR In/Thru connectors	Optional with RCM-26			Optional with RCM-26		
Sample Rate Conversion (SRC)	32 kHz - 192 kHz, internal Sample-Rate- Converter						
FIR-Drive	Yes	Optional with RCM-26			Optional with RCM-26		
GPIO Control Port	1 x 6-pole Euro block 2 Control Inputs 2 Control Outputs 2 Reference Outputs (+5 V, 200 mA / GND)	Optional with RCM-26			Optional with RCM-26		
Power Consumption 1/8 max. output power @4 Ohms		1000 W			1450 W		
Power Supply		100 - 240 V, 50 - 60 Hz			100 - 240 V, 50 - 60 Hz		
Control Protocol	CAN Bus	CAN-Bus (with RCM 26 module)			CAN-Bus (with RCM 26 module)		
Dimensions (H x W x D)		88.1 mm x 482.6 mm x 512 mm 3.47" x 19" x 20.16"					
Weight Net		14.2 kg (31.31 lbs)			14.5 kg (32.0 lbs)		

Proven among critical installations and the highest profile tours, the DSP-Controlled P-Series amplifiers combine legendary performance with uncompromised remote-control and system-supervision capability with the IRIS-Net software.

Using state-of-the-art technologies from our signal processor developments, Electro-Voice offers amplifiers that provide superior audio performance, guaranteed.

P1200RL Precision Series DSP Remote Amplifiers

- Up to 2 x 850 W into 2 ohms
- Class-AB design
- Remote control and monitoring of all parameters via IRIS-Net software
- Full input and output DSP processing with integrated RCM-24 DSP and control module
- Two GPI and two GPO ports
- One-button system check allows a complete diagnostic test of all connected cables and loudspeaker components in a matter of minutes
- Pilot tone detection for cable supervision
- Eight recallable DSP/configuration presets
- Parallel RJ-45 CAN bus connectors

P1200RT Precision Series DSP Remote Amplifiers

- Up to 2 x 590 W into 70/100 V line
- Class-AB design
- Remote control and monitoring of all parameters via IRIS-Net software
- Full input and output DSP processing with integrated RCM-24 DSP and control module
- Two GPI and two GPO ports
- One-button system check allows a complete diagnostic test of all connected cables and loudspeaker components in a matter of minutes
- Pilot tone detection for cable supervision
- Eight recallable DSP/configuration presets
- Parallel RJ-45 CAN bus connectors

P3000RL Precision Series DSP Remote Amplifiers

- Up to 2 x 1800 W into 2 ohms
- Class-AB design
- Remote control and monitoring of all parameters via IRIS-Net software
- Full input and output DSP processing with integrated RCM-24 DSP and control module
- Two GPI and two GPO ports
- One-button system check allows a complete diagnostic test of all connected cables and loudspeaker components in a matter of minutes
- Pilot tone detection for cable supervision
- Eight recallable DSP/configuration presets
- Parallel RJ-45 CAN bus connectors

Precision Series Remote Control Amplifiers

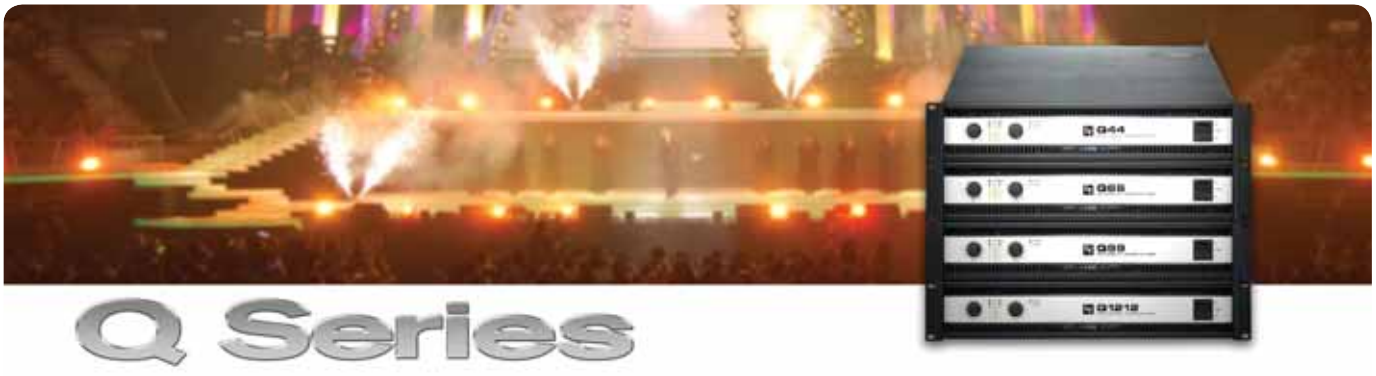
	P1200 RL			P3000 RL			P1200 RT	
	8 Ω	4 Ω	2 Ω	8 Ω	4 Ω	2 Ω	100 V	70 V
Continous Output Power (1 kHz, THD 1%)	380 W	600 W	850 W	850 W	1300 W	1800 W	590 W	580 W
Rated Output Power (20 Hz-20 kHz, THD <0,2%)	300 W	500 W	-	750 W	1200 W	-	500 W	500 W
Maximum Bridged Output (1 kHz, THD 1%)	1200 W	1700 W	-	2600 W	3600 W	-	-	-
THD @ Rated Output Power	< 0.05%						<0.1%	<0.2%
DIM 30	<0.03%			<0.01%			<0.2%	<0.3%
Intermodulation (SMPTE)	<0.08%			<0.001%			<0.1%	<0.3%
Signal-to-Noise Ratio	> 105 dB						>100 dB	
Frequency Response (-1 dB)	20 Hz - 20 kHz						45 Hz - 20 kHz	
Dynamic Audio Limiter	THD </= 1% (Inputsignal </= + 20 dBu)							
Protections	Hi-Temperature, DC, HF, Back EMF, Peak Current Limiter, Inrush Current Liminter, Power On Delay							
Cooling	3(4)-stage fan, front-to-rear cooling							
Input Sensivity and Impedance	1.55 V (+6dBu), 20 kOhm, XLR Input							
Maximum Input Level	8.7 V (+21 dBu)							
Serial Interface	Network: CAN, 2 RJ45 (CAT-5 Cabling), RS-232 for media control systems							
Control Logic In and Outputs	2 x 0V 5V free configurable, Easy-Remote							
Loudspeaker Connectors	Barrier Strip			Speakon NL4			Barrier Strip	
Dimensions (Width x Height x Depth)	483 x 132.5 x 390 mm (3 U) 52" x 19" x 15.4" (3 U)							
Net Weight	17 kg (37.5 lbs)			30 kg (66.2 lbs)			25 kg (55.1 lbs)	

The EV Linear Precision Series is a very-high-quality power amplifier design to elicit maximum performance from any speaker system. Its ultralow distortion and powerful amplifiers ensure that program material will be amplified very accurately. Complete protection is provided for high temperature, audio limiters, power-up delay, and peak current limiters.

P3000 Precision Series Power Amplifiers

- Classic EV flagship performance amplifier
- Up to 2 x 1800 W into 2 ohms
- Extremely high sonic performance and quality
- Class-AB design
- Dual power supply
- Three-stage front-to-rear fans
- Complete protection package
- Classic EV amplifier dynamic headroom for real-world music and applications
- Built-in dynamic limiters

	P3000		
	2 Ω	4 Ω	8 Ω
Continuous Rated Power(1 kHz, THD 1%) 2Ω	1800 W	1300 W	850 W
Continuous Rated Power(20-20 kHz, THD<0,2%)		1200 W	750 W
Maximum Bridged Output		3600 W	2600 W
DIM 30	0.01 %		
Input Impedance (Balanced)	20 kΩ		
Input Sensitivity	0 dBu / +6 dBu / +26 dB		
Intermodulation Distortion (SMPTE)	0.01 %		
Network Control (IRIS-Net)	No		
Slew Rate	40 V/µs		
Total Harmonic Distortion	0.05 %		
Signal-to-Noise Ratio (A-weighted)	105 dB		
Dimensions (H x W x D)	33 x 482.6 x 390 mm 11.3" x 19" x 15.35"		
Weight Net	29 kg (63.93 lbs)		



As direct descendants of the legendary P3000, Q Series amplifiers take Electro-Voice's unique amplifier design to a new level. With Q Series efficient Class-H design, the permanent voltage rail is designed to cover the average music signal, rather than supplying the voltage for maximum output power. If dynamic peaks require a higher output voltage, the voltage rail is switched to the maximum. This process saves up to 50% of the power consumption found in conventional amplifier designs.
Q Series combines sonic excellence all in a compact and affordable package.

Q44 Electro-Voice Q Series Power Amplifier

- Up to 2 x 650 W into 2 ohms
- XLR pass-though input connections
- The NL4 connection on output A also carries output B on pins +/- 2 to allow easy connection to bi-amped loudspeakers
- Switchable LPN filter extra tonal fundamentals and "kick" with a protective low-cut for 12" or 15" loudspeakers without additional subwoofers
- Class-AB design
- Three-stage front-to-rear fans
- Complete protection package
- Classic EV amplifier dynamic headroom for real-world music and applications
- Built-in dynamic limiters

Q66 Electro-Voice Q Series Amplifier

Up to 2 x 900W into 2 ohms
XLR pass-though input connections

- The NL4 connection on output A also carries output B on pins +/- 2 to allow easy connection to bi-amped loudspeakers
- Switchable LPN filter extra tonal fundamentals and "kick" with a protective low-cut for 12" or 15" loudspeakers without additional subwoofers
- Class-AB design
- Three-stage front-to-rear-fans
- Complete protection package
- Classic EV amplifier dynamic headroom for real-world music and applications
- Built-in dynamic limiters

Q99 Electro-Voice Q Series Power Amplifier

- Up to 2 x 1250 W into 2 ohms
- XLR pass-though input connections
- The NL4 connection on output A also carries output B on pins +/- 2 to allow easy connection to bi-amped loudspeakers
- Switchable LPN filter extra tonal fundamentals and "kick" with a protective low-cut for 12" or 15" loudspeakers without additional subwoofers
- Class-H design
- Three-stage front-to-rear fans
- Complete protection package
- Classic EV amplifier dynamic headroom for real-world music and applications
- Built-in dynamic limiters

Q1212 Electro-Voice Q Series Power Amplifier

- Up to 2 x 1800 W into 2 ohms
- XLR pass-though input connections
- The NL4 connection on output A also carries output B on pins +/- 2 to allow easy connection to bi-amped loudspeakers
- Switchable LPN filter extra tonal fundamentals and "kick" with a protective low-cut for 12" or 15" loudspeakers without additional subwoofers
- Class-H design
- Three-stage front-to-rear fans
- Complete protection package
- Classic EV amplifier dynamic headroom for real-world music and applications
- Built-in dynamic limiters

	Q44			Q66			Q99			Q1212		
	2 Ω	4 Ω	8 Ω	2 Ω	4 Ω	8 Ω	2 Ω	4 Ω	8 Ω	2 Ω	4 Ω	8 Ω
Continuous Output Power(1 kHz, THD 1%)	650 W	450 W	270 W	900 W	600 W	380 W	1250 W	900 W	550 W	1800 W	1200 W	750 W
Continuous Output Power(20-20 kHz, THD<0,2%)		400 W	200 W		500 W	250 W		800 W	400 W		1100 W	550 W
Maximum Bridged Output		1300 W	900 W		1700 W	1200 W		2800 W	1800 W		3600 W	2400 W
Cooling	Front-to-Rear, 3-stage fans											
DIM 30	0.05 %											
Input Impedance (Balanced)	20 kΩ											
Input Sensitivity	+2.2 dBu			+3.1 dBu			+5.1 dBu			+6.6 dBu		
Amplifier Gain	32 dB											
Intermodulation Distortion (SMPTE)	0.1 %											
Maximum Input Voltage	+21 dBu (8.69 Vrms)											
Network Control (IRIS-Net)	No											
Slew Rate	25 V/µs			26 V/µs			27 V/µs			30 V/µs		
Total Harmonic Distortion	0.03 %											
Frequency Response	10 Hz - 40 kHz											
Signal-to-Noise Ratio (A-weighted)	106 dB			107 dB			109 dB			110 dB		
Dimensions (H x W x D)	88.1 x 482.6 x 422.5 mm 3.47" x 19" x 16.63"			88.1 x 482.6 x 421.5 mm 3.47" x 19" x 16.59"			88.1 x 482.6 x 421.5 mm 3.47" x 19" x 16.59"			88.1 x 482.6 x 421.5 mm 3.47" x 19" x 16.59"		
Weight Net	12.6 kg (27.78 lbs)			14.8 kg (32.63 lbs)			16.3 kg (35.94 lbs)			17.7 kg (39.02 lbs)		

The CPS Series are high-performance amplifiers with unmatched dynamic range capability, ensuring the most reliable operation. Designed for the contractor, the CPS Series feature 2-RU chassis, Phoenix-type connectors for inputs and outputs, pre-programmable power-on delay, easy power-on via remote contact closures, rear panel attenuators, and a switchable 50 Hz high-pass filter (HPF). Features include the same protection circuits typical of EV amplifiers. Complete protection is provided for high temperature, audio limiters, power-up delay, and peak current limiters.

CPS 4.5 Contractor Precision Series 4-ch. Amplifier

- Four amplifier channels, each can be run as either low or high impedance, delivering up to 500 W per channel
- Phoenix-type input and output connections
- Remote power-on/off contact
- Rear-mounted attenuators
- Module slot for optional RCM-810 card, allowing IRIS-Net control and monitoring
- Optional RCM-810 card allows for VLD configuration in IRIS-Net, allowing configuration of each output channel's power to match any load from 2-10 ohms in 0.1 ohm steps
- 50 Hz high-pass filter when operating in Hi-Z mode
- Class-D design for optimum efficiency
- Complete protection package

CPS 8.5 Contractor Precision Series 8-ch. Amplifier

- Eight amplifier channels, each can be run as either low or high impedance, delivering up to 500 W per channel
- Phoenix-type input and output connections
- Remote power-on/off contact
- Rear-mounted attenuators
- Module slot for optional RCM-810 card, allowing IRIS-Net control and monitoring
- Optional RCM-810 card allows for VLD configuration in IRIS-Net, allowing configuration of each output channel's power to match any load from 2-10 ohms in 0.1 ohm steps
- 50 Hz high-pass filter when operating in Hi-Z mode
- Class-D design for optimum efficiency
- Complete protection package

CPS 4.10 Contractor Precision Series 4-ch. Amplifier

- Four amplifier channels, each can be run as either low or high impedance, delivering up to 1000 W per channel
- Phoenix-type input and output connections
- Remote power-on/off contact
- Rear-mounted attenuators
- Module slot for optional RCM-810 card, allowing IRIS-Net control and monitoring
- Optional RCM-810 card allows for VLD configuration in IRIS-Net, allowing configuration of each output channel's power to match any load from 2-10 ohms in 0.1 ohm steps
- 50 Hz high-pass filter when operating in Hi-Z mode
- Class-D design for optimum efficiency
- Complete protection package

CPS 2.4 MK II Contractor Precision Series Class-H Power Amplifier

- Up to 2 x 650 W into 2 ohms
- Phoenix-type input and output connections
- Remote power-on/off contact
- Rear-mounted attenuators
- Programmable time for custom power-on delay settings
- Module slot for optional RCM-810 card, allowing IRIS-Net control and monitoring
- Switchable 50 Hz high-pass filter
- Three-stage front-to-rear fans
- Class-AB design
- Complete protection package
- 500/800 Hz crossover optional

CPS 2.6 MK II Contractor Precision Series Class-H Power Amplifier

- Up to 2 x 900 W into 2 ohms
- Phoenix-type input and output connections
- Remote power-on/off contact
- Rear-mounted attenuators
- Programmable time for custom power-on delay settings
- Module slot for optional RCM-810 card, allowing IRIS-Net control and monitoring
- Switchable 50 Hz high-pass filter
- Three-stage front-to-rear fans
- Class-AB design
- Complete protection package
- 500/800 Hz crossover optional

CPS 2.9 MK II Contractor Precision Series Class-H Power Amplifier

- Up to 2 x 1250 W into 2 ohms
- Phoenix-type input and output connections
- Remote power-on/off contact
- Rear-mounted attenuators
- Programmable time for custom power-on delay settings
- Module slot for optional RCM-810 card, allowing IRIS-Net control and monitoring
- Switchable 50 Hz high-pass filter
- Three-stage front-to-rear fans
- Class-H design
- Complete protection package
- 500/800 Hz crossover optional

CPS 2.12 MK II Contractor Precision Series Class-H Power Amplifier

- Up to 2 x 1800 W into 2 ohms
- Phoenix-type input and output connections
- Remote power-on/off contact
- Rear-mounted attenuators
- Programmable time for custom power-on delay settings
- Module slot for optional RCM-810 card, allowing IRIS-Net control and monitoring
- Switchable 50 Hz high-pass filter
- Three-stage front-to-rear fans
- Class-H design
- Complete protection package
- 500/800 Hz crossover optional

RCM-810

- IRIS-Net remote control module for CPS series amplifiers
- Complete status control and supervision for two-, four- and eight-channel models
- Load-monitoring function
- Variable Load Drive on four- and eight-channel CPS models for maximum rated power into all loads ranging from 2 ohms to 10 ohms, in steps of 0.1 ohm, controlled via IRIS-Net

	CPS 2.4 MK II			CPS 2.6 MK II			CPS 2.9 MK II			CPS 2.12 MK II		
	2 Ω	4 Ω	8 Ω	2 Ω	4 Ω	8 Ω	2 Ω	4 Ω	8 Ω	2 Ω	4 Ω	8 Ω
Continuous Output Power(1 kHz, THD 1%)	650 W	450 W	270 W	900 W	600 W	380 W	1250 W	900 W	550 W	1800 W	1200 W	750 W
Continuous Output Power(20-20 kHz, THD<0,2%)		400 W	200 W		500 W	250 W		800 W	400 W		1100 W	550 W
Maximum Bridged Output		1300 W	900 W		1800 W	1200 W		2800 W	1800 W		3600 W	2400 W
Amplifier Gain	32 dB											
Analog Inputs	2, electronically balanced, Phoenix-type											
CAN Bus Interface	Yes (With Optional RCM-810 Card)											
Cooling	Front-to-Rear, 3-stage-fans											
Crossover Type	Optional Modules			Optional Modules			Optional Modules			Optional Modules		
DIM 30	0.05 %			0.02 %			0.02 %			0.02 %		
Input Impedance (Balanced)	20 kΩ											
Input Sensitivity	2.2 dBu (1.0V)			+3.1 dBu (1.11Vrms)			+5.1 dBu (1.39 Vrms)			+6.6 dBu (1.66 Vrms)		
Intermodulation Distortion (SMPTE)	0.1 %			0.05 %			0.1 %			0.1 %		
Maximum Input Voltage							+21 dBu (8.69 Vrms)			+21 dBu (8.69 Vrms)		
Network Control (IRIS-Net)	Optional			Optional			Optional			Optional		
Slew Rate	25 V/µs			26 V/µs			27 V/µs			30 V/µs		
Total Harmonic Distortion	0.03 %											
Variable Load Drive (VLD)	No											
Frequency Response	10 Hz - 40 kHz (±1 dB)											
Dimensions (H x W x D)	88.1 x 482.6 x 421.5 mm 3.47" x 19" x 16.59"											
Weight Net	12.6 kg (27.78 lbs)			14.8 kg (32.63 lbs)			16.3 kg (35.94 lbs)			17.7 kg (39.02 lbs)		

	CPS 4.10			CPS 4.5			CPS 8.5		
	2 Ω	4 Ω	8 Ω	2 Ω	4 Ω	8 Ω	2 Ω	4 Ω	8 Ω
Continuous Rated Power(1 kHz, THD 1%)	1000 W	1000 W	500 W	500 W	500 W	250 W	500 W	500 W	250 W
Continuous Rated Power(20-20 kHz, THD<0,2%)		900 W	450 W		450 W	225 W		450 W	225 W
Maximum Bridged Output		2000 W	2000 W		1000 W	1000 W		1000 W	1000 W
Amplifier Gain	32 dB (Lo-Z), 33 dB (70 V), 36 dB (100 V)			32 dB (Lo-Z), 33 dB (70 V), 36 dB (100 V)			32 dB (Lo-Z), 33 dB (70 V), 36 dB (100 V)		
Analog Inputs	4, electronically balanced, Phoenix-type			4, electronically balanced, Phoenix-type			8, electronically balanced, Phoenix-type		
CAN Bus Interface	Yes (With Optional RCM-810 Card)			Yes (With Optional RCM-810 Card)			Yes (With Optional RCM-810 Card)		
Cooling	Front-to-Rear, continuously variable fans								
DIM 30	0.02 %			0.02 %			0.02 %		
Input Impedance (Balanced)	20 kΩ								
Input Sensitivity	0 dBu (.775 V)-2 Ω, +3 dBu (1.1 V)-4/8 Ω, +6 dBu (1.55) 70 V / 100 V			0 dBu (.775 V) -2 Ω, +3 dBu (1.1 V) -4/8 Ω, +6 dBu (1.55) 70 V / 100 V			0 dBu (.775 V) -2 Ω, +3 dBu (1.1 V) -4/8 Ω, +6 dBu (1.55) 70 V / 100 V		
Intermodulation Distortion (SMPTE)	0.05 %			0.05 %					
Maximum Input Voltage	+22 (9.76 Vrms)								
Network Control (IRIS-Net)	Optional			Optional			Optional		
Slew Rate				28 V/µs			28 V/µs		
Total Harmonic Distortion	0.05 %								
Variable Load Drive (VLD)	Yes								
Frequency Response	15 Hz - 30 kHz								
Continuous Rated Power(1 kHz, THD 1%) 100v	1000 W			500 W			500 W		
Continuous Rated Power(1 kHz, THD 1%) 70v	1000 W			500 W			500 W		
Continuous Rated Power(20-20 kHz, THD<0,2%) 100v	900 W			450 W			500 W		
Continuous Rated Power(20-20 kHz, THD<0,2%) 70v	900 W			450 W			450 W		
Dimensions (H x W x D)	88.1 x 482.6 x 421.5 mm 3.47" x 19" x 16.59"								
Weight Net	11.1 kg (24.47 lbs)			11.1 kg (24.47 lbs)			13.9 kg (30.8 lbs)		

The CP Series are high-performance amplifiers with unmatched dynamic range capability, ensuring the most reliable operation favored by users in all sound reinforcement applications. The amplifiers' power supply is specifically designed to deliver high peak signals, which provide 30 percent more burst signal output headroom over their average continuous rating. Features include the same comprehensive protection circuits typical of EV amplifiers. Complete protection is provided for high temperature, audio limiters, power-up delay, and peak current limiters.

CP3000S Compact Precision Series Class-H Power Amplifier

- Up to 2 x 1600 W into 2 ohms
- XLR pass-though input connections
- The NL4 connection on output A also carries output B on pins +/- 2 to allow easy connection to bi-amped loudspeakers
- Extremely lightweight and highly efficient
- Class-H design
- Switch mode power supply
- Three-stage front-to-rear fans
- Complete protection package
- Classic EV amplifier dynamic headroom for real-world music and applications
- Built-in dynamic limiters

CP4000S Compact Precision Series Class-H Power Amplifier

- Up to 2 x 2100 W into 2 ohms
- XLR pass-though input connections
- The NL4 connection on output A also carries output B on pins +/- 2 to allow easy connection to bi-amped loudspeakers
- Extremely lightweight and highly efficient
- Class-H design
- Switch mode power supply
- Three-stage front-to-rear fans
- Complete protection package
- Classic EV amplifier dynamic headroom for real-world music and applications
- Built-in dynamic limiters

	CP4000S			CP3000S		
	2 Ω	4 Ω	8 Ω	2 Ω	4 Ω	8 Ω
Maximum power (1k Hz; THD <1%)	2100 W	1500 W	900 W	1600 W	1100 W	600 W
Rated power (20 Hz–20 kHz; THD <0.2%)		1200 W	600 W		900 W	450 W
Maximum bridged output (1,000 Hz; <1% THD)		4200 W	3000 W		3200 W	2200 W
Slew rate	35 V/µs			35 V/µs		
Total harmonic distortion	<0.05%			<0.05%		
Intermodulation distortion (SMPTE)	<0.02%			<0.02%		
Crosstalk (at 1,000 Hz)	<-80 dB			<-80 dB		
Input impedance (balanced)	20 kΩ			20 kΩ		
Signal-to-noise ratio (dB A-weighted)	108 dB			107 dB		
Dimensions (W x H x D)	483 x 88.1 x 384 mm 19" x 3.5" x 15.5"			483 x 88.1 x 368.8 mm 19" x 3.5" x 15.22"		
Net weight	8.70 kg (19.2 lbs)			8.15 kg (17.96 lbs)		

EV Commercial Power amplifiers are designed to operate under a variety of adverse conditions without fail. Several configurations, power levels, and features are available to suit nearly any commercial application. Features include many of the same comprehensive protection circuits typical of EV amplifiers. Complete protection is provided for high temperature, audio limiters, power-up delay, and peak current limiters. Phoenix-type connectors for inputs and outputs allow for easy rack wiring.

PA1250T 1x250-Watt Single Channel Power Amplifier

- Up to 1 x 270 W into 70/100 V lines
- 2RU design
- Stepped rear attenuators
- Selectable 50 Hz or 300 Hz high-pass filter
- Phoenix-type inputs and outputs
- High-efficiency circuitry design
- Three-stage front-to-rear fans
- Complete protection package

PA2250T 2x250-Watt Dual Channel Power Amplifier

- Up to 2 x 270 W into 70/100 V or 4-ohm lines
- Bridged mode provides 1 x 540 W into 8-ohm load
- 2RU design
- Stepped rear attenuators
- Selectable 50 Hz or 300 Hz high-pass filter
- Phoenix-type inputs and outputs
- High-efficiency circuitry design
- Three-stage front-to-rear fans
- Complete protection package

PA2400T 2x400-Watt Dual Channel Power Amplifier

- Up to 2 x 430 W into 70/100 V or 4-ohm lines
- Bridged mode provides 1 x 860 W into 8-ohm load
- 2RU design
- Stepped rear attenuators
- Selectable 50 Hz or 300 Hz high-pass filter
- Phoenix-type inputs and outputs
- High-efficiency circuitry design
- Three-stage front-to-rear fans
- Complete protection package

PA2450L 2x450-Watt Dual Channel Power Amplifier

- Up to 2 x 450 W into 4 ohms
- Bridged mode provides 1 x 900 W into 8-ohm load
- 2RU design
- Stepped rear attenuators
- Selectable 50 Hz or 300 Hz high-pass filter
- Phoenix-type inputs and outputs
- High-efficiency circuitry design
- Three-stage front-to-rear fans
- Complete protection package

PA4150L 4x150-Watt Four-Channel Power Amplifier

- Up to 4 x 160 W into 4 ohms
- Bridged mode provides 2 x 315 W into 8-ohm load
- 2RU design
- Stepped rear attenuators
- Selectable 50 Hz or 300 Hz high-pass filter
- Phoenix-type inputs and outputs
- High-efficiency circuitry design
- Three-stage front-to-rear fans
- Complete protection package

	PA2450L	PA4150L	PA2400T	PA2250T	PA1250T
Number of Channels	2	4	2	2	1
Load Impedance	8 Ω / 4 Ω	8 Ω / 4 Ω	8 Ω / 4 Ω / 100 V / 70 V	8 Ω / 4 Ω / 100 V / 70 V	100 V / 70 V
Rated output power (*rated load) THD<1%, 1kHz	220 W / 450 W	100 W / 160 W	215 W / 430 W / 430 W / 430 W	135 W / 270 W / 270 W / 270 W	270 W / 270 W
Rated output power (*rated load) THD<0.2%, 20Hz – 20kHz	200 W / 400 W	75 W / 150 W	200 W / 400 W / 400 W / 400 W	125 W / 250 W / 250 W / 250 W	250 W / 250 W
Slew rate at 1kHz V/µs	28	16	25 / 25 / 65 / 46	18 / 18 / 61 / 41	61 / 41
Frequency response -1dB, ref. 1kHz	<10 Hz -40 kHz	<10 Hz -40 kHz	65 Hz -40 kHz / 65 Hz -20 kHz	65 Hz - 40 kHz / 65 Hz - 20 kHz	65 Hz -20 kHz
Input impedance 20Hz – 20kHz,	>20 kohm	>20 kohm	>20 kohm	>20 kohm	>20 kohm balanced
Input sensitivity @ rated output power or voltage, 1kHz	0 dBu (775mV)	0 dBu (775mV)	0 dBu (775mV)	0 dBu (775mV)	0 dBu (775mV)
THD @ rated output power MBW=80kHz, 1kHz	<0.1%	<0.1%	<0.1%	<0.1%	<0.1%
IMD-SMPTE 60Hz, 7kHz	<0.1%	<0.1%	<0.1%	<0.1%	<0.1%
DIM30 3.15kHz, 15kHz	<0.1%	<0.1%	<0.1%	<0.1%	<0.1%
Crosstalk ref. 1kHz, @ 10% rated output power	<-75dB	<-75dB	<-75dB	<-75dB	<-75dB
Dimensions (W x H x D)	483 x 88 x 406 mm 19" x 3.5" x 16"	483 x 88 x 406 mm 19" x 3.5" x 16"	483 x 88 x 406 mm 19" x 3.5" x 16"	483 x 88 x 406 mm 19" x 3.5" x 16"	483 x 88 x 406 mm 19" x 3.5" x 16"
Weight	16.5kg (36.34lbs)	18kg (39.65lbs)	26kg (57.27lbs)	23.5kg (51.76lbs)	16.5kg (36.34lbs)

The EV NetMax N8000 is an all-purpose digital audio system controller with outstanding performance features. NetMax is highly flexible due to the modular hardware design, which renders many other applications possible. Four slots with 8- channel audio modules at the rear of the device offer up to 32 local audio channels. Each slot can be equipped either with an audio input module or an audio output module. The modular signal processing in the N8000 is affected on powerful audio signal processors where, depending on the stage of expansion.

N8000-1500 NetMax 1500 MIPS Digital Matrix Controller

- 1500 MIPS internal processing
- Up to 1900 MIPS of processing power available per unit
- Full CobraNet Audio Transport Support
- Supports Ethernet, RS-232, USB and CAN Communications Protocols
- Extensive range of DSP functions
- Modular hardware chassis
- Integrated supervision, scheduling and auto-compiling DSP
- Fully-programmable analog and digital GPIO support

N8000 NetMax 300 MIPS Digital Matrix Controller

- Full IRIS-Net software support
- 32-channel digital matrix bus
- 118 dB dynamic range
- Full CobraNet audio transport support
- Supports Ethernet, RS-232, USB and CAN communications protocols
- Up to 1000 MIPS of processing power available per unit
- Extensive range of DSP functions
- Modular hardware chassis
- Integrated supervision, scheduling and auto-compiling DSP
- Fully-programmable analog and digital GPIO support

AI-1 NetMax Analog Input Card

- Eight line-level inputs on Euroblock connectors
- Electronically balanced inputs
- 10 kΩ input impedance
- 117 dB dynamic range provides superior sonic quality
- Automatic configuration-Indication of installation and removal in IRIS-Net
- DSP (100 MIPS) on board

MI-1 NetMax Analog Mic/Line Input Card

- Eight mic/line-level inputs on Euroblock connectors
- Electronically balanced inputs
- Selectable mic/line pad via IRIS-Net
- 48 V phantom power
- Gain and level adjustable via IRIS-Net
- Automatic configuration-Indication of installation and removal in IRIS-Net
- DSP (100 MIPS) on board

DI-1 NetMax 8 Channel Digital Input Card

- Four inputs for eight channels of AES/EBU or S/PDIF digital audio input
- Euroblock or TOSLINK optical input connectors
- Accepts sample rates of 32-192 kHz
- Independent sample rate converters allow inputs of different sample rates on each DI-1 input
- Lock indication LED
- DSP (100 MIPS) on board

AO-1 NetMax 8 Channel Analog Output Card

- Eight line-level outputs on Euroblock connectors
- Electronically balanced outputs
- 100Ω output impedance
- 118 dB dynamic range provides superior sonic quality
- Automatic configuration-Indication of installation and removal in IRIS-Net
- DSP (100 MIPS) on board

DO-1 NetMax 8 Channel Digital Output Card

- Four outputs for eight channels of AES/EBU digital audio output
- 48 kHz sampling rate
- +21 dBu maximum output level
- Automatic configuration-Indication of installation and removal in IRIS-Net
- DSP (100 MIPS) on board

CM-1 NetMax CobraNet Audio Network Module

- 100BASE-TX ethernet interface; 100Mbit/s full-duplex Ethernet interface; IEEE 802.3u compatible.
- Secondary 100BASE-TX Ethernet interface. Second Ethernet interface for the connection of a redundant network to establish fault tolerant systems. Internal audio output interface for the transmission of 32 digital audio channels with 48 kHz sample rate and 16, 20, or 24-bit word length
- Internal audio input interface for receiving 32 digital audio channels with 48 kHz sample rate and 16, 20, or 24-bit word length.
- Control, monitoring, configuration, and firmware updates via Ethernet protocol.
- Status LEDs. Link, activity, fault, and CobraNet conductor status indication via Ethernet connectors.

DSP-1 N8000 Microprocesssor Expansion Module

- 300 MIPS computing capacity - doubles the DSP power of a N8000 Controller
- Two RAM banks (512k x 24 Bit) - allow for additional delay lines up to 21.8 seconds
- 48-bit signal processing.
- Double precision DSP algorithms.
- Automatic configuration - signals whether a new module has been inserted, or if one has been removed.

Signal Processing

Proven in thousands of installations and live applications around the world including the Olympics, the FIFA World Cup, Live 8, and Live Earth, EV delivers truly state-of-the-art DSP for today's applications. EV's flagship digital sound system processor, the Dx46 sets the standard for digital loudspeaker controllers and processors, providing 48-bit filter algorithms, 24-bit AD/DA conversion, and a dynamic range of 115 dB. The EV DC-One is a two-in, six-out digital signal processor for loudspeaker management and optimization.

DC-One — Two-In-Six-Out Loudspeaker Processor

- USB connection for DC-One Editor Software Control
- Analog or AES/EBU Inputs
- 6 dB analog pad placed before A/D converter for system protection
- Highly customizeable security settings
- Contact closure interface for remote Preset recall
- 20 User Presets
- 60 Factory Presets
- Unique Edit/Compare Mode for comparing edited Presets and settings
- 6 predefined Operation Configurations, including Free Edit

Dx46 — FIR-Drive Sound System Processor

- 2x6 FIR-Drive loudspeaker processor
- Analog and AES/EBU inputs
- Full IRIS-Net control and configuration
- Ethernet and USB data interfaces
- Full loudspeaker protection package including PA and TEMP limiters
- Dedicated array EQ and delay sections for advanced applications
- -6dB switchable analog pad inserted before A/D converters on inputs
- 4 Separate delay sections
- 5 Contact closure inputs
- 60 Factory presets
- 30 User presets
- Unique Edit/Compare mode

DC-One Editor Software — DC-One PC Control Software

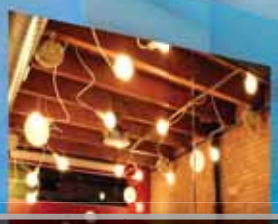
- PC editor for DC-One configuration
- Provides detailed, real-time control and monitoring of DC-One hardware
- Unique security and lock-out functions are available and highly customizable through the DC-One editor software
- State-of-the-art graphics provide a highly detailed, easy to use over view of a complete system
- Intuitive navigation and block diagrams provide easy access to all DC-One functions and DSP sections
- Easy connection to DC-One hardware via USB

Dx38 — Two-In-Four-Out Loudspeaker Processor

- Real-time control with IRIS-Net or RACE software
- RS-232 or optional RS-485 serial connection
- 30 user presets
- 50 factory presets
- Function LEDs for each output
- Six predefined operating configurations, including Free Edit
- 115 dB dynamic range

	Dx46	DC-One	Dx38
Analog Inputs	2 x XLR IN (Electronically Balanced), 2 x XLR THRU OUT (Electronically Balanced)	2 XLR (Electronically Balanced), 2 XLR THRU OUT (Electronically Balanced)	2 XLR (Electronically Balanced), 2 XLR THRU OUT (Electronically Balanced)
Analog Outputs	6 x XLR OUT (Electronically Balanced)	6 XLR (Electronically Balanced)	4 XLR (elec. balanced)
Digital Inputs	1 x XLR AES/EBU IN; 1 x XLR AES/EBU THRU OUT	1 XLR AES/EBU (2 Ch)	No
Maximum Input Voltage	17.3 V / + 27dBu (With -6 dB Pad Engaged)	8.7 V / +21 dBu (Without -6 dB Analog Pad Engaged)	24.5 V / +30 dBu
Nominal Input Voltage	1.55 V / +6 dBu	1.23 V / +4 dBu	1.55 V / + 6 dBu
Input Impedance (Balanced)	10 kΩ	10 kΩ	20 kΩ
Maximum Output Voltage	8.7 V / +21 dBu	8.7 V / +21 dBu	8.7 V / + 21 dBu
Nominal Output Voltage	1.55 V / +6 dBu	1.23 V / +4 dBu	
Output Impedance (Balanced)	50 Ω	50 Ω	< 100 Ω
Frequency Response	20 Hz - 40 kHz (- 3 dB)	10 Hz - 22 kHz (± 0.5 dB)	20 - 20 kHz (- 0.5 dB)
Dynamic Range	116 dB (A-weighted)	111 dB (unweighted, band limited 22 Hz - 22 kHz)	115 dB
THD+N	< 0.002 % (band limited 22 Hz - 22 kHz)	< 0.01% (band limited 22 Hz - 22 kHz)	< 0.01%
A/D Conversion	24-bit/sigma-delta	24-bit/sigma-delta (linear phase) 128 times oversampling	24-bit/sigma-delta (linear phase) 128 times oversampling
D/A Conversion	24-bit/sigma-delta	24-bit/sigma-delta 128 times oversampling	24-bit/sigma-delta 128 times oversampling
Data Format	24-Bit	24-Bit	24-Bit
Internal Processing	48-Bit Double Precision	32-Bit Floating Point	48-Bit
Sample Rate	48 kHz	48 kHz	48 kHz
Control Protocol	1 x 6-pole Euro block Software Configurable for Preset Recall	Front Panel USB Connector	RS232, MIDI, RS485 (optional)
Dimensions (W x H x D)	483 x 356.1 x 43.6 mm 19" x 13.9" x 1.72"	44.45 x 482.6 x 355.6 mm 1.75" x 19" x 14"	43.6 x 482.6 x 374 mm 1.72" x 19" x 14.72"
Weight Net	4.6 kg (10.14 lbs)	4.6 kg (10.14 lbs)	5 kg (11.02 lbs)

Notes



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