



QRX™ Loudspeakers

and Precision Series™ Modular Amplifiers

*Versatile,
concert-quality
sound takes
center stage.*

In any performance space, nothing matters more than the quality of the sound. Electro-Voice® QRX™ loudspeakers and Precision Series™ modular amplifiers deliver the clarity, fidelity, and power you'd expect from Electro-Voice concert systems. With four full-range speakers and two powerful subwoofers, the QRx family fills a wide range of applications, from small clubs, to churches, to soaring concert halls. Like all other Electro-Voice products, QRx loudspeakers and Precision Series modular amps give artists and engineers the assurance that their best performances will always come through, front and center.



Step Up To Electro-Voice

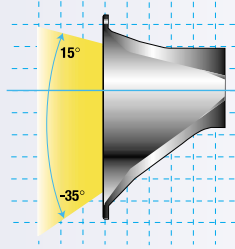




QRx Advantages

QRx™ loudspeakers deliver great sound and versatility because the QRx design team took the time to get everything right. QRx loudspeakers are packed with Electro-Voice® technical innovations and 70 years of sound reinforcement know-how. That gives the QRx family unexpected features to help you solve difficult room acoustics and installation problems:

Rotatable asymmetric HF horn lets you project the sound exactly where you want it to go. Instead of a typical horn pattern, the QRx HF horn has a versatile 75° x 50° (up 15°/down 35°) pattern. You can, for example, mount a QRx112 cabinet horizontally against a ceiling, then rotate the horn so more sound covers the audience and isn't sprayed on the ceiling.



Top-line Electro-Voice components make QRx loudspeakers pleasing to the ears of everyone from DJs to string quartets. The new DH7 compression driver features a large format, 3-inch voice coil and titanium diaphragm for great sound quality even when the system is pushed.

QRx subs deliver hard-hitting, reliable bass response with the same EVX-180B 18-inch woofers with 4-inch voice coil used in EV® X-Array™ and X-Line™ concert systems.

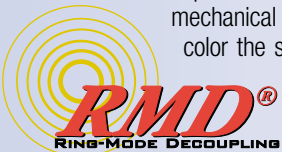


External passive/biamp switch eliminates the hassle of opening the cabinet and rewiring the speaker for biamp operation.



Exclusive Electro-Voice® RMD® Ring Mode Decoupling technology—originally developed for our touring concert loudspeaker systems—minimizes acoustic and mechanical resonances in the cabinets that can color the sound. The result is incredibly clear

vocals; and full, dynamic sound that doesn't change, even at the highest sound levels.



Plug-in processor modules match specific QRx loudspeakers

The perfect match: QRx loudspeakers and Precision Series™ modular amplifiers.

Electro-Voice Precision Series™ modular amplifiers were designed to power the QRx loudspeaker family, and simplify the task of optimizing the amps to match the speakers. For years, the legendary German engineered-and-built Precision Series amplifiers have been a dependable favorite for concert sound systems. These two modular versions offer the same features—incredible dynamic headroom, low distortion, and extreme protection circuitry—plus plug-in filtering/processing modules that match specific QRx loudspeakers.

The modules reduce setup time and eliminate the need for outboard processing. And they contain QRx-specific circuitry such as the LPN processor that provides complete bass reproduction in all QRx full-range and subwoofer models.



QRx Loudspeakers

A VERSATILE LOUDSPEAKER FAMILY FOR DEMANDING APPLICATIONS



QRx Cabinets

Precise, rugged cabinet design and construction is a critical part of QRx loudspeaker performance. Five-sided trapezoidal enclosures give the QRx 112 and 115 extra versatility as floor monitors, as well as installed horizontally or vertically in front-of-house systems. All QRx cabinets are available in black or white and are built from tour-grade 13-ply Baltic birch with a paintable, weather-resistant super-tough Futura™ polyurethane finish and comfort lift handles. Cabinets include (depending on the model) L-track flying hardware, Ancra single-stud fittings, and stand-mount adapters for a variety of mounting and hanging options.



QRx 112/75

12-inch, two-way, full range

Small, versatile, and powerful. Pair with any QRx woofer system for wide-range, high-impact sound delivering pristine vocals.

Applications: Floor or sidefill monitor, vocal reinforcement, mid/high component of high-level music system, concert or fixed installations.

- Fully rotatable asymmetric HF horn.
- Five-sided cabinet fits tight installations or monitor use.
- External passive/biamp switch.



QRx 115/75

15-inch, two-way, full range

Fatter lows and mids make the QRx 115 popular for drum monitors, club, and DJ applications. More punch with control and durability.

Applications: High-level stage monitor, FOH systems.

- Fully rotatable asymmetric HF horn.
- Five-sided cabinet for monitor use or mount/fly options.
- External passive/biamp switch.

FREQUENCY RESPONSE: (-3dB)	60 Hz to 16 kHz	55 Hz to 16 kHz
IMPEDANCE: nominal (LF/HF biamp)	8 ohms / (8 / 8 ohms)	8 ohms / (8 / 8 ohms)
SENSITIVITY: @ 1W / 1m	98 dB	98 dB
POWER HANDLING: EIA / Peak	300 / 1,200 watts	400 / 1,600 watts
Biamp LF/HF EIA continuous	300 / 75 watts	400 / 75 watts
CALCULATED MAXIMUM SPL:	129 dB	130 dB
NOMINAL COVERAGE: -6 dB horizontal	75°	75°
-6 dB vertical	+15° / -35°	+15° / -35°
HF COMPONENTS:	DH7 3" compression driver with asymmetric CD horn	DH7 3" compression driver with asymmetric CD horn
LH COMPONENTS:	12" DL12BFH woofer	15" DL15 woofer
PASSIVE CROSSOVER FREQUENCY:	1,800 Hz	1,800 Hz
INPUT CONNECTORS:	2-Neutrik® Speakon NL4	2-Neutrik® Speakon NL4
DIMENSIONS: Height	26.6" (675.5 mm)	29.9" (759.5 mm)
Width at Front	15.36" (389.9 mm)	17.72" (450.2 mm)
Depth	14.77" (371.5 mm)	16.02" (407 mm)
ENCLOSURE TYPE:	5-sided modified trapezoid	5-sided modified trapezoid
Draft Angle	9° both sides	9° both sides
WEIGHTS: Net	58 lb (26 kg)	71 lb (32 kg)
Shipping	64 lb (29 kg)	78 lb (35 kg)



QRx 212/75

Dual 12-inch, two-way, full range

Ideal for live sound in houses of worship and larger sound reinforcement systems. Dual 12-inch woofers deliver very high output with all the vocal and instrumental detail in a mix.

Applications: FOH systems. Sidefill monitoring. Concert arrays.

- Big room-filling sound with surprising punch and clarity.
- Fully rotatable asymmetric HF horn.
- 9° trapezoidal cabinet for limited spaces or multi-box hangs.

QRx 153/75

15-inch, three-way, biamp full range

The addition of an 8-inch, horn-loaded, sealed back midrange driver produces beautifully balanced sound with warm mids and superb pattern control. Sums perfectly with HF driver and woofer to deliver full audio spectrum.

Applications: FOH systems. Concert arrays.

- Biamped only at 500 Hz.
- Fully rotatable asymmetric HF horn.
- 15° trapezoidal cabinet is perfect for tight-pack situations.

QRx 118S

18-inch subwoofer

An 18-inch woofer in a box only big enough for a 15-inch. But cleverly mounted inside the solid, precisely tuned cabinet is a direct-radiating EVX-180B 18-inch woofer.

Applications: DJs, clubs. Superb low end for FOH system.

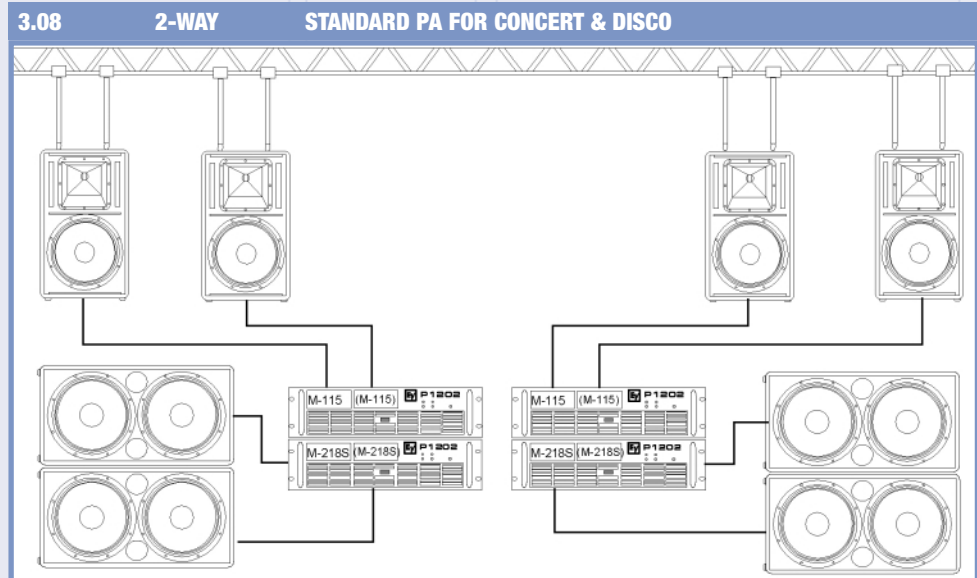
- Slim-line cabinet perfect for under stage or stacking.
- Pole mount hardware standard.
- Active crossover required.

60 Hz to 16 kHz	50 Hz to 16 kHz	48 to 250 Hz
4 ohms / (4 / 8 ohms)	Biamp only (8 / 12 ohms)	8 ohms
102 dB	98 dB LF / 105 dB HF	99 dB
600 / 2,400 watts 600 / 75 watts	LF 400 / 1600 watts mid/HF 150/600 watts biamp only	600 / 2,400 watts 1,000 watt program
136 dB	130 dB	133 dB
75° +15° / -35°	75° +15° / -35°	300° 300°
DH7 3" compression driver with asymmetric CD horn (2) 12" DL12BFH woofers	DH7 3" w/ asymmetric CD horn. MF: horn-loaded sealed back 8" 15" DL15 woofer	None 18" EVX18B woofer
1,800 Hz	1,250 Hz (mid/high) 500 Hz active required (m-153 module)	N/A
2-Neutrik® Speakon NL4	2-Neutrik® Speakon NL4	2-Neutrik® Speakon NL4
38.98" (990.1 mm) 15.47" (392.9 mm) 14.77" (375.2 mm)	41.5" (1240.9 mm) 18.4" (467.4 mm) 19.125" (485.8 mm)	29.9" (759.5mm) 17.74" (450.5 mm) 26.63" (676.5 mm)
Trapezoid 9° both sides	Trapezoid 15° both sides	Rectangular
80 lb (36 kg) 88 lb (40 kg)	97 lb (49 kg) 105 lb (47 kg)	100 lb (45 kg) 109 lb (49 kg)

QRx Applications

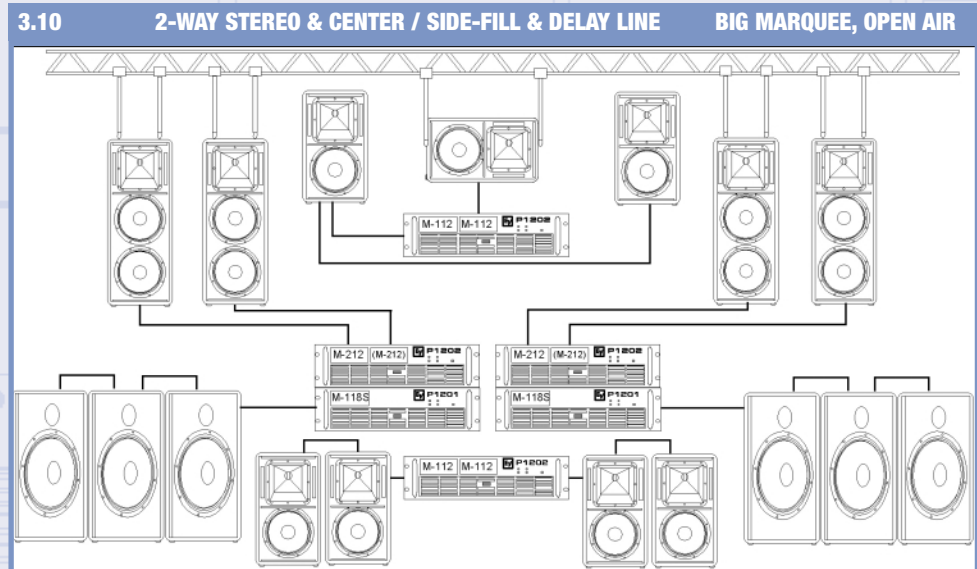
Serious mobile DJs, churches, concert halls, bands on tour—QRx™ loudspeakers and Precision Series™ modular amplifiers sound great in any performance space. And they give you an incredible amount of system design flexibility.

Here are two examples:



CABINETS	4 x QRx115/75, 4 x QRx218S
AMPLIFIERS	4 x P1202
CONTROLLERS	2 x M-115 & 2 x M-218 Modules
CABLING	8 x NL4 long

HORIZONTAL COVERAGE	2 x 100° to 150°, or 4 x 75°
TYPICAL DISTANCE	50 - 70 ft. (15m to 20m)
TOTAL AMP POWER	2 x 1,900W = 3,800W
OPTIONS	Add 2 M-115 & 2 M-218 Modules to split system into two separate systems



CABINETS	7 x QRx112/75, 4 x QRx212/75, 6 x QRx118S
AMPLIFIERS	2 x P1201, 4 x P1202
CONTROLLERS	4 x M-112, 2 x M-212 & 2 x M-118 Modules
CABLING	11 x NL4 long, 6 x NL4 short

HORIZONTAL COVERAGE	2 x 180/220° + 2 x 150°
TYPICAL DISTANCE	150 - 200 ft. (60m to 70m)
TOTAL AMP POWER	2 x 2,700W + 950W + 1,200W = 7,550W
OPTIONS	Can be split into two separate systems

For more applications see www.electrovoice.com



QRx 218S

Dual 18-inch subwoofer

Two thundering EVX-180Bs mounted in a front-radiating vented cabinet tuned to 40 Hz. A powerhouse with extended LF response.

Applications: Awesome for DJs, clubs, FOH, and concert systems.

- Very solid yet compact enclosure.
- Pole mount hardware standard; L-track rigging is optional.
- Active crossover required.

40 to 250 Hz
4 ohms
102 dB
1,200 / 4,800 watts 2,000 watt program
139 dB
300°
300°
None
(2) 18" EVX18B woofers
N/A
2-Neutrik® Speakon NL4
39.98" (1015.5 mm)
22.05" (560.1 mm)
23.60" (599.4 mm)
Rectangular
150 lb (68 kg)
160 lb (73 kg)

QRx
Performance



Amplifiers and Modules

SPECIFICATIONS

Precision Series™ Modular Amplifiers

The newest members of the Precision Series™ amplifier family were designed specifically to power QRx loudspeakers. The primary difference between the P1202/P1201 and other Precision Series amps are the module slots that accommodate processor modules for each QRx loudspeaker. Without modules plugged in, the P1202/P1201 are linear amps with +6 dBu fixed input sensitivity. Otherwise, the P1202/P1201 perform just like their Precision Series siblings, giving you:

- High dynamic headroom with life-like transients.
- Dynamic limiters prevent clipping. Distortion can't exceed 1%, eliminating the #1 cause of loudspeaker failure.
- Complete protection package against signal, power, and thermal faults.

The **P1202 dual channel amplifier** delivers 600 watts per channel into 4 ohms. Equipped with two module slots, the P1202 drives either two completely independent signals, or a signal can be routed to both amplifier channels via a single module.

The **P1201 single channel amplifier** offers 1,200 watts into 4 ohms, ideal for driving subwoofers. When A and B inputs are connected, they're summed to an internal mono signal.



	PP-1201 Single Channel Amplifier			P-1202 Dual Channel Amplifier		
Load Impedance	8 ohms	4 ohms	2 ohms	8 ohms	4 ohms	2 ohms
Midband Output Power 1kHz	750 W	1,200 W	1,600 W	2 x 380 W	2 x 600 W	2 x 850 W
Single Channel Output IHF-A	850 W	1,450 W	1,700 W	2 x 460 W	2 x 880 W	2 x 950 W
THD at Rated Output Power	<0.05%			<0.05%		
DIM 30 —3.15 kHz, 15 kHz	<0.03%			<0.03%		
Max. RMS Voltage Swing	86 V			64 V		
Voltage Gain	33 dB			30 dB		
Slew Rate	>40 V/μsec			>30 V/μsec		
Power Consumption	870 W			870 W		
Frequency Response	13 Hz to 45 kHz			13 Hz to 45 kHz		
Input Impedance	20 k ohms			20 k ohms		
Damping Factor	>300 @ 100 Hz			>300 @ 100 Hz		
Power Requirements	100 V, 120 V, 230 V, 240 V/50-60 Hz factory configured			100 V, 120 V, 230 V, 240 V/50-60 Hz factory configured		
Dimensions (W x H x D)	19" x 5.22" x 15.18" (483mm x 132.5mm x 385.5mm)			19" x 5.22" x 15.18" (483mm x 132.5mm x 385.5mm)		
Weight	37.4 lb, 17 kg			37.4 lb, 17 kg		

A Module For Every QRx Loudspeaker

M-112, M-115, M-153, M-212, M-118S, and M-218S modules provide individually optimized processing for their respective QRx loudspeakers.

The M-112, M-115, and M-212 modules can be set in full-range or mid/high mode. A mid-EQ button provides flat tuning or a slight dip in the midrange. Fine tuned EQ functions are fully analog for distortion-free reproduction and outstanding dynamics. The Low-Pass frequency of the M-118S and M-218S subwoofer modules is matched to the High-Pass filters for the top cabinets, so any combination of QRx loudspeakers is possible.

All processor modules include a patented Electro-Voice® LPN (Low Pass Notch) filter, which optimally tunes each module to its corresponding cabinet and produces excellent frequency response.



ELECTRO-VOICE®

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