

PLASMA

PLASMA™

HIGH-END POWERED SPEAKER SYSTEMS

In physics, **plasma** is the fourth state of matter: Solid moves to liquid moves to gas moves to **PLASMA**. The tremendous power and energy of this material state inspired our Electro-Voice® design team to name its latest high-end powered speaker system accordingly. Featuring our highest-level speaker transducers and the latest EV amplifier technology and signal processing, **PLASMA** brings together uncompromised sonic detail, high SPL and ease of use. Whether as a front-of-house system in theaters or AV applications, side fill, front fill, stage monitor, drum fill, or delay line – **PLASMA** is the solution for most demanding applications.

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

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

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



PLASMA'S ENGINES

WORLD-CLASS EV POWER AMPLIFIERS IN CLASS-H DESIGN

PLASMA'S ENGINES

Electro-Voice has been known for more than 75 years as a leading manufacturer of loudspeakers and microphones. Although Electro-Voice's more than 50 years of experience in designing and building world-class amplifiers has been less well known, Electro-Voice's amplifiers have become industry leaders in the most demanding concert and installation projects worldwide with their sonic purity and outstanding reliability.

The amplifiers in EV's PLASMA P1 and P2 are state-of-the-art, class-H designs used in EV's tour-proven Compact Precision Series® amplifiers. Besides stunning audio performance, they boast such features as an onboard dynamic limiter (which ensures that THD will not exceed 1%), incredible dynamic headroom, and a complete protection package. The high-efficiency class-H design uses up to 50% less AC power than does a conventional class-A/B design. The amplifiers run much cooler and use less power, allowing more units to be driven from one circuit.



PLASMA P1



- Biamped drive: 550 + 150 watts dynamic output power
- High-efficiency class-H amplifier design
- XLR/1/4" jack combo input
- XLR parallel output
- Switchable 100Hz 24dB hi-pass filter
- Patented LPN™ filter to enhance LF performance
- Status LED for full range (yellow) or hi-pass (green)
- Level control (security cover included)
- Input sensitivity: +6 dBu
- LED indicators for limit, signal present, speaker protection and amp protection
- Voice Coil Tracking protection
- Dynamic limiter
- PowerCon connector for solid connection to AC power
- PowerCon outlet (thru) for easy linking of several units



PLASMA P2



- 800 watts dynamic output power
- Hi-efficiency class-H design
- XLR/1/4" jack combo input
- XLR parallel out
- Integrated 100Hz 24dB lo-pass filter
- Patented LPN™ Filter to enhance LF performance
- Voice Coil Tracking protection
- Dynamic limiter
- PowerCon connector for solid connection to AC power
- PowerCon outlet (thru) for easy linking of several units

PLASMA

—cool fire—

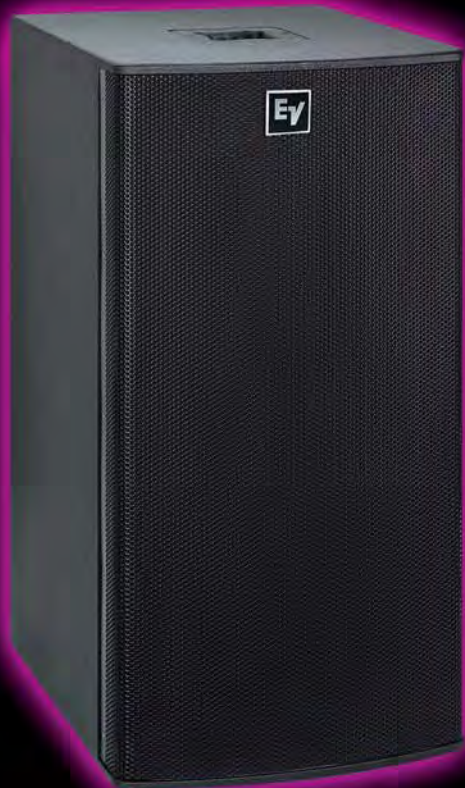


PLASMA P1

**15" 2-WAY POWERED
80 X 55° SPEAKER SYSTEM**

- Compact, ergonomically designed cabinet
- 550 W + 150 W dynamic output power
- High sensitivity, 132 dB* maximum SPL
- EVX155RMD 15" LF transducer
- ND6 HF compression driver
- Simple, versatile suspensions with PSA-V™ (Plasma Strong-Arm-Mount-Vertical)

* Peak; continuous SPL: 128dB



PLASMA P2

**SINGLE 18" POWERED
SUBWOOFER**

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



APPLICATIONS

PLASMA™ brings together EV's finest speaker and amplifier technology for the most demanding concert and install applications



SPECS**P1****P2**

Frequency Response (-3 dB)	45 Hz - 17 kHz	40 Hz - 100 Hz
Frequency Range	38 Hz - 19 kHz	30 Hz - 110 Hz
Calc. Max SPL	132 dB	132 dB
Horizontal Coverage	80°	-
Vertical Coverage	55°	-
Amplifier Design	Class H	Class H
THD	<0.01%	<0.05%
Input Impedance	20 kOhms	20 kOhms
LF Amplifier Power	460W RMS (550W Peak)	550W RMS (800W Peak)
HF Amplifier Power	140W RMS (150W Peak)	-
High Pass Crossover (switchable)	100 Hz	-
Level Control	-0 to +6 dB	-0 to +6 dB
Input Sensitivity	+ 6 dB for full output	+ 6 dB for full output
LF Transducer	15" (381mm) EVX155RMD	18" (460mm) EVX180B
HF Transducer	1.4" (35,6 mm) exit ND6 compression driver	-
Connectors:		
Balanced Line Inputs	XLR and 1/4" phone Combination	XLR and 1/4" phone Combination
Balanced Output	XLR	XLR
Power Requirement	100,120,230 or 240 VAC 50-60 Hz	100,120,230 or 240 VAC 50-60 Hz
Enclosure Material	13-ply Birch Plywood	13-ply Birch Plywood
Cabinet Finish	Futura	Futura
Grille	Powder Coated Steel with cloth	Powder Coated Steel with cloth
Dimensions (H x W x D) :	24.2" x 18.8" x 15.7" (615 x 475 x 400 mm)	25.8" x 18.8" x 23.6" (910 x 476 x 600 mm)
Net Weight	93 lbs (42,3 kg)	140 lbs (63,6 kg)
Shipping Weight	99 lbs (45,0 kg)	150 lbs (68,1 kg)

ACCESSORIES

- PSA-V: PLASMA strong arm vertical (pictured)
- TC-TV: Adaptor for TV-Spigot to truss (pictured)
- PCS150: PowerCon link cable short (5 ft, 1,5 m)
- PCS800: PowerCon link cable long (24 ft, 8,0 m)
- PCS500: 230 V mains power to PowerCon (15 ft, 5,0 m)
- PCS501: 120 V mains power to PowerCon (15 ft, 5,0 m)

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