



PSX STEREO

POWERED

MIXERS



PSX
S E R I E S

PSX SERIES

PSX Stereo Powered Mixers

The new EV family of PSX powered mixers was designed to provide double the power and double the effects processors¹ for professional-level performance and flexibility in a portable, easy-to-set-up system. To find comparable performance and features, you'll have to compare the PSX models to the best power amps, mixing consoles, and digital effects units. Check out what the PSX line has to offer.

MORE POWER

Using technology derived from our acclaimed Precision Series™ amplifiers, the amplifiers in our PSX powered mixers deliver more watts per channel than competitive models, all the way from the 2 x 300-watt PSX600 to the 2 x 700-watt PSX2200 (at 4 ohms). In addition, the amplifiers have limiters that prevent them from going into destructive clipping, and protect against damage from short circuits and thermal overload.

MORE EFFECTS

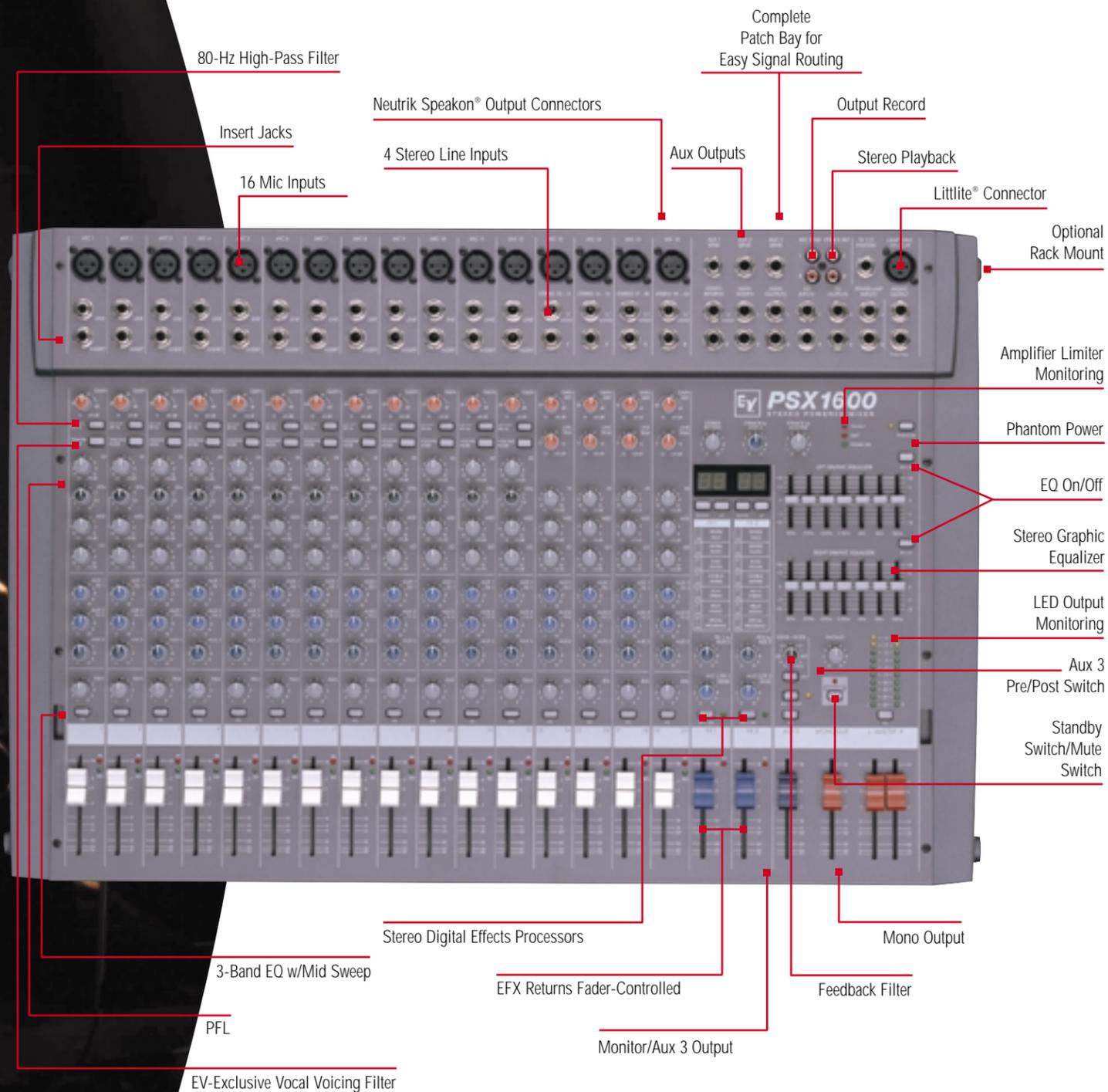
All of our PSX models come equipped with two separate 18-bit digital effects processors, providing the sound quality of high-end studio gear. Each processor is designed with 100 presets including reverb, echo, plate, delay, chorus, and flange effects. Performance of the effects is comparable to some of the best separate component processors available. Operation is simple, thanks to up/down keys and the large LED display. There are separate sends on each channel so that the effects can be routed to the monitor mix.

MORE EXTRAS

The PSX series comes with even more professional extras that help provide you with greater system flexibility and performance:

- Stereo 7-band equalizer.
- Vocal voicing filter on mono channels for increased vocal intelligibility.
- Switchable, 80-Hz, low-cut filter reduces handling and stage noise.
- Locking metal cover and recessed handles make transportation easy and safe.

¹Compared to popular competitive models.



The PSX series has Neutrik Speakon® connectors to ensure that power is reliably delivered to your speakers.

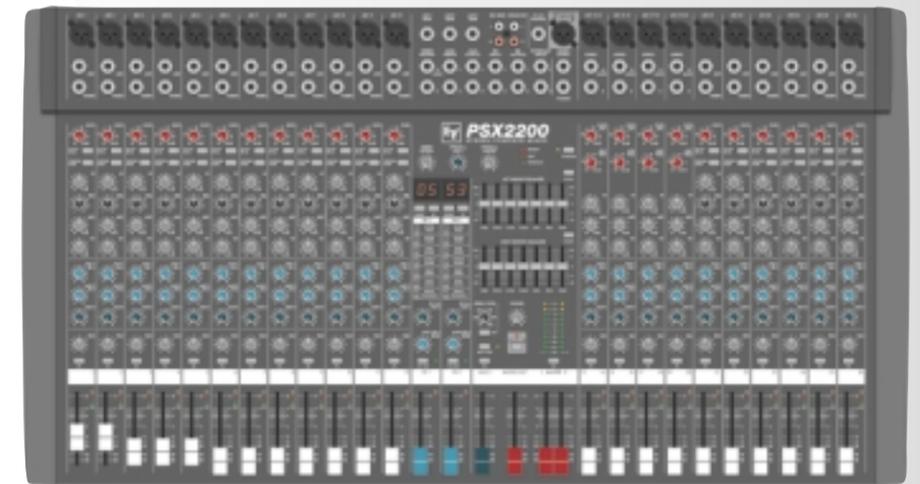
electronics

PSX

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Specifications	PSX2200	PSX1600	PSX1000	PSX600
Maximum Power (at <1% THD, midband, both channels driven)				
4-Ohm Load per Channel	760 watts	570 watts	570 watts	340 watts
8-Ohm Load per Channel	430 watts	340 watts	340 watts	200 watts
Rated Power (at <0.2% THD, 20 to 20,000 Hz, both channels driven)				
4-Ohm Load per Channel	700 watts	500 watts	500 watts	300 watts
8-Ohm Load per Channel	350 watts	250 watts	250 watts	150 watts
Total Harmonic Distortion				
Mic Input or Mains Output (+16 dBu)	<0.006%	<0.006%	<0.006%	<0.006%
Power Amplifier Input to Speaker Output	<0.05%	<0.05%	<0.05%	<0.05%
Frequency Response (-3 dB referenced to 1,000 Hz)				
Any Input to Mixer Output	15-60,000 Hz	15-60,000 Hz	15-60,000 Hz	15-60,000 Hz
Any Input to Speaker Output	30-40,000 Hz	30-40,000 Hz	30-40,000 Hz	30-40,000 Hz
Crosstalk (at 1,000 Hz)				
Channel to Channel	>70 dB	>70 dB	>70 dB	>70 dB
Common Mode Rejection Ratio (mic input)	>80 dB	>80 dB	>80 dB	>80 dB
Maximum Level (mixer section)				
Mic Inputs	+11 dBu	+11 dBu	+11 dBu	+11 dBu
Line Inputs	+30 dBu	+30 dBu	+30 dBu	+30 dBu
All Other Inputs	+20 dBu	+20 dBu	+20 dBu	+20 dBu
Record Send Output	+16 dBu	+16 dBu	+16 dBu	+14 dBu
All Other Outputs	+20 dBu	+20 dBu	+20 dBu	+20 dBu
Equivalent Input Noise (150-ohm terminated)				
Mic Input, (dB-A weighted)	-130 dBu	-130 dBu	-130 dBu	-130 dBu
Noise (channel input to main output, dB-A weighted)				
Master Faders Down	-92 dBu	-92 dBu	-92 dBu	-90 dBu
Master Faders at 0 dB, Channel Faders Down	-85 dBu	-87 dBu	-89 dBu	-89 dBu
Master Faders at 0 dB, Channel Faders at 0 dB	-79 dBu	-81 dBu	-83 dBu	-83 dBu
Power Amp Signal-to-Noise Ratio (dB-A weighted)	>106 dBu	>104 dB	>104 dB	>105 dB
Equalization				
Mono Channel Inputs				
Low (+ / -15 dB)	60 Hz	60 Hz	60 Hz	60 Hz
Mid (+ / -15 dB)	100-8,000 Hz	100-8,000 Hz	100-8,000 Hz	100-8,000 Hz
High (+ / -15 dB)	12,000 Hz	12,000 Hz	12,000 Hz	12,000 Hz
Master Left / Right Outputs	7-Band Graphic	7-Band Graphic	7-Band Graphic	7-Band Graphic
Dimensions				
Height (inches)	8.3 (210 mm)	8.3 (210 mm)	8.3 (210 mm)	6.9 (176 mm)
Width (inches)	32.5 (827 mm)	26.3 (668 mm)	20.0 (509 mm)	17.9 (456 mm)
Depth (inches)	18.8 (479 mm)	18.8 (479 mm)	18.8 (479 mm)	13.4 (341 mm)
Weight (including cover)				
	63.9 lbs	52.9 lbs	44.1 lbs	28.7 lbs

The flagship PSX2200 is the solution for audio applications requiring ease of setup and use, lots of input flexibility, and high output capability. With 1,400 watts of power and 22 microphone and 4 stereo line inputs, the PSX2200 can handle large sound reinforcement jobs with ease. The logical control groupings, center master section, and tremendous flexibility make the PSX2200 very easy to operate. No other integrated unit on the market offers the performance and features of the PSX2200.



Features

MORE POWER:

700 watts per channel at 4 ohms, 350 watts per channel at 8 ohms.

MORE EFFECTS:

Two separate, 18-bit digital effects processors with 100 programs; each provides studio-quality reverbs, delays, and multi-effects. Each processor has its own 60-mm input fader.

MORE PROFESSIONAL "EXTRAS":

- 22 microphone and 4 stereo line inputs.
- Stereo 7-band graphic equalizer.
- Vocal voicing filter on mono channels for increased vocal intelligibility.
- Switchable, 80-Hz, low-cut filter reduces handling and stage noise.
- Dynamic limiter circuit in power amplifier prevents clipping and helps protect speakers.
- Neutrik Speakon® connectors for loss-free connections. The patch bay has 1/4-inch balanced TRS inputs and outputs.
- Locking metal cover and recessed handles make transportation easy and safe.



PSX

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The PSX1600 builds on the professional features and sound of the PSX1000 by adding more input channels for greater flexibility. With incredible signal routing capability and more than 1,000 watts of distortion-free power, the PSX1600 includes EV's vocal voicing filter, stereo 7-band EQ, 3 aux sends per channel, and much more. Whether your needs are for music performance or business AV applications, the PSX1600 offers the greatest mix of power and flexibility of any product in its class.



Features

MORE POWER:

500 watts per channel at 4 ohms, 250 watts per channel at 8 ohms.

MORE EFFECTS:

Two separate, 18-bit digital effects processors with 100 programs; each provides studio-quality reverbs, delays, and multi-effects. Each processor has its own 60-mm input fader.

MORE PROFESSIONAL "EXTRAS":

- 16 microphone and 4 stereo line inputs, 3-band EQ with sweepable mids on mono inputs, fixed 3-band EQ on stereo inputs.
- Stereo 7-band graphic equalizer.
- Vocal voicing filter for increased vocal intelligibility.
- Switchable, 80-Hz, low-cut filter reduces handling and stage noise.
- Dynamic limiter circuit in power amplifier prevents clipping and helps protect speakers.
- Neutrik Speakon® connectors for loss-free connections. The patch bay has ¼-inch balanced TRS inputs and outputs.
- Locking metal cover and recessed handles for easy transportability.



PSX

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The PSX1000 helped define an entirely new category of professional powered mixers for those who are serious about sound quality. With its outstanding performance and flexibility, the PSX1000 is an excellent choice for applications ranging from live bands to houses of worship and business AV. The compact, all-in-one PSX1000 features plenty of inputs, more than 1,000 watts of super clean power, two separate stereo effects processors with 100 programs each, stereo 7-band EQ, EV's unique vocal voicing filter, and much more.



Features

MORE POWER:

500 watts per channel at 4 ohms, 250 watts per channel at 8 ohms.

MORE EFFECTS:

Two separate, 18-bit digital effects processors with 100 programs; each provides studio-quality reverbs, delays, and multi-effects. Each processor has its own 60-mm input fader.

MORE PROFESSIONAL "EXTRAS":

- 10 microphone and 4 stereo line inputs, 3-band EQ with sweepable mids on mono inputs, fixed 3-band EQ on stereo inputs.
- Stereo 7-band graphic equalizer.
- Vocal voicing filter for increased vocal intelligibility.
- Switchable, 80-Hz, low-cut filter reduces handling and stage noise.
- Dynamic limiter circuit in power amplifier prevents clipping and helps protect speakers.
- Neutrik Speakon® connectors for loss-free connections. The patch bay has ¼-inch balanced TRS inputs and outputs.
- Locking metal cover and recessed handles for easy transportability. Unit can be rack mounted with optional kit.



PSX

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The new EV PSX600 was designed to give you all the features of a separate mixing console, power amplifier, and digital signal processing effects unit, all in one easy-to-set-up powered mixer. The PSX600 offers plenty of power, greater effects, and more extras than competitive models. With 2 x 300 watts of power (at 4 ohms), six mic and two stereo inputs, and two separate stereo effects processors with 100 programs each, the PSX600 is an excellent choice for schools, houses of worship, and business functions.



Features

MORE POWER:

300 watts per channel at 4 ohms, 150 watts per channel at 8 ohms.

MORE EFFECTS:

Two separate, 18-bit digital effects processors with 100 programs; each provides studio-quality reverbs, delays and multi-effects.

MORE PROFESSIONAL "EXTRAS":

- 6 microphone and 2 stereo line input channels for versatility.
- 3-band EQ on each channel.
- Stereo 7-band graphic equalizer.
- Dynamic limiter circuit in power amplifier prevents clipping.
- Neutrik Speakon® output connectors for loss-free signal transfer.
- Locking metal cover and recessed handles for easy transportability. Unit can be rack mounted with optional kit.



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For customer orders, contact the Customer Service department at
800/685-6386 Fax: 800/955-6831

For warranty repair or service information, contact the Service Repair
department at 800/685-2606

For technical assistance, contact Technical Support at 800/234-6831

Please refer to the Engineering Data Sheet for warranty information.
Specifications subject to change without notice.

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