

Electro-Voice®

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PSX2000 Technical Specifications	
Max. Midband Output Power, 1 kHz, THD ≤ 1%,	
Into 4 Ohms:	2 x 570 W
Into 8 Ohms:	2 x 340 W
Rated Output Power, 20 kHz, THD ≤ 0.2%,	
Into 4 Ohms:	2 x 500 W
Into 8 Ohms:	2 x 250 W
THD at 1 kHz, MBW=80 kHz,	
MIC Input to Main L/R Output, +16 dBu:	<0.006%
Power Amplifier Input to Speaker L/R Output:	<0.05%
DIM 30, Power Amplifier:	<0.015%
IMD-SMPTE, Power Amplifier, 60 Hz, 7 kHz:	<0.015%
Frequency Response, -3 dB ref. 1 kHz,	
Any Input to Any Mixer Output:	15 Hz-60,000 Hz
Any Input to Speaker L/R Output:	30 Hz-40,000 Hz
Crosstalk, 1 kHz,	
Fader and AUX-Send Attenuation:	>80 dB
Power Amplifier L-R:	>100 dB
Channel to Channel:	>70 dB
CMRR, Mic Input, 1 kHz:	>80 dB
Maximum Level, Mixing Console,	
MIC Inputs:	+11 dBu
Line Inputs:	+30 dBu
All Other Inputs:	+20 dBu
Record Send Output:	+16 dBu
All Other Outputs:	+20 dBu
Equivalent input Noise, (MIC input, A-Weighted, 150 ohms):	-130 dBu
Noise, Channel Inputs to Main L/R Outputs, A-Weighted,	
Master Fader Down:	-92 dBu
Master Fader 0 dB, Channel Fader Down:	-89 dBu
Master Fader 0 dB, Channel Fader 0 dB, Channel Gain Unity:	-83 dBu
Signal/Noise-Ratio, Power Amplifier, A-Weighted:	104 dB
Equalization,	
LO Shelving:	±15 dB/60 Hz
MID Peaking, Mono Inputs:	±15 dB/100 Hz-8,000 Hz
MID Peaking, Stereo Inputs:	±12 dB/2.4 kHz
HI Shelving:	±15 dB/12 kHz
Master EQ, 2 x 7-band:	±10 dB
Dimensions, (W x H x D):	508.5 mm x 210.3 mm x 478.7 mm (20.02 in. x 8.28 in. x 18.85 in.)
Weight, Including Lid:	20 kg (42 lb)
Optional Accessories:	Gooseneck lamp, 12 V/2.4 W, 12 in., XLR Footswitch FS11 Rack-mount kit Padded vinyl carrying bag

PSX2000 STEREO POWERED MIXER



System 2000™
 MODULAR PRO AUDIO



PSX2000 STEREO POWERED MIXER

Until now, powered mixers were never looked at as serious audio components, only as a cost- and space-saving tool.

The PSX2000 will change your perception of a powered mixer. It combines a hefty 1,000 watts of amplifier power, a quiet, flexible mixer and two sophisticated 18-bit stereo digital effects units into a single package whose performance rivals the best separate components. To power and control Electro-Voice's System 2000™, nothing less than the best would do.

Signal Routing Flexibility

With 10 mic and 14 line inputs, the PSX2000 can handle a wide range of sound reinforcement jobs. The 6 mic/line channels are equipped with 3-band EQ with sweepable mids from 100 to 8,000 Hz and inserts for using external signal processors on each channel. In addition, they incorporate 80 Hz low-cut filters and our exclusive vocal voicing filter that enhances the fundamental frequencies of the voice, making it more intelligible and "fat." The four mono mic/stereo line channels have separate gain controls for the mic and line inputs and 3-band EQ.

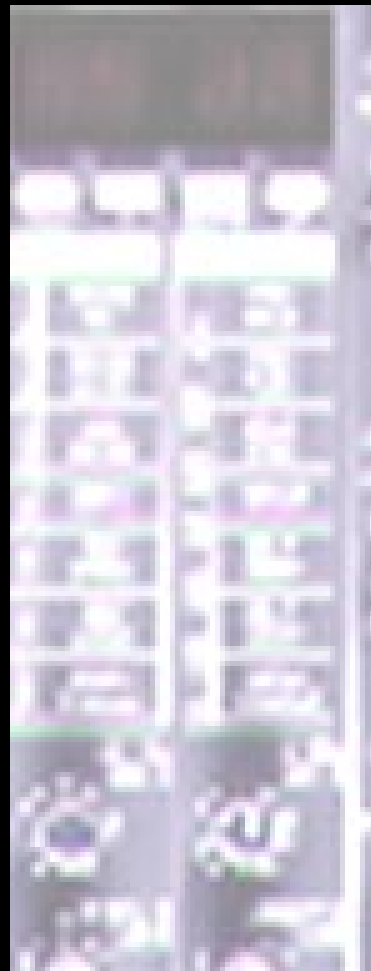
Each input channel has 2 post-fader aux sends which can route signals to the internal signal processors or external effects units. Aux 3 is configured as a pre-fader send for monitors, but can be switched post if needed. Each channel is also equipped with PFL for monitoring, signal presence and clip LEDs.

PSX2000

PSX2000



The PSX2000 comes with a locking metal cover to protect the controls against damage during transportation.



The two built-in, fader-controlled 18-bit effects processors can be routed to monitors and have 100 programs each.

MORE POWER

Using technology derived from our acclaimed Precision Series™ amplifiers, the amplifier in the PSX2000 will deliver more than 500 watts per channel at 4 ohms. Its tremendous distortionless power and lightning-fast transient response will give you impressive sound quality. In addition to solid power, the amplifier has our patented Dynamic Signal Processing™ that is perfectly matched to System 2000™ speakers to improve bass response and dynamics. The amplifier has limiters that prevent clipping entirely and protects against damage from short circuits, dc and thermal overload. To ensure that the power is reliably delivered to your speakers, the amplifier uses Neutrik Speakon® connectors.¹

MORE EFFECTS

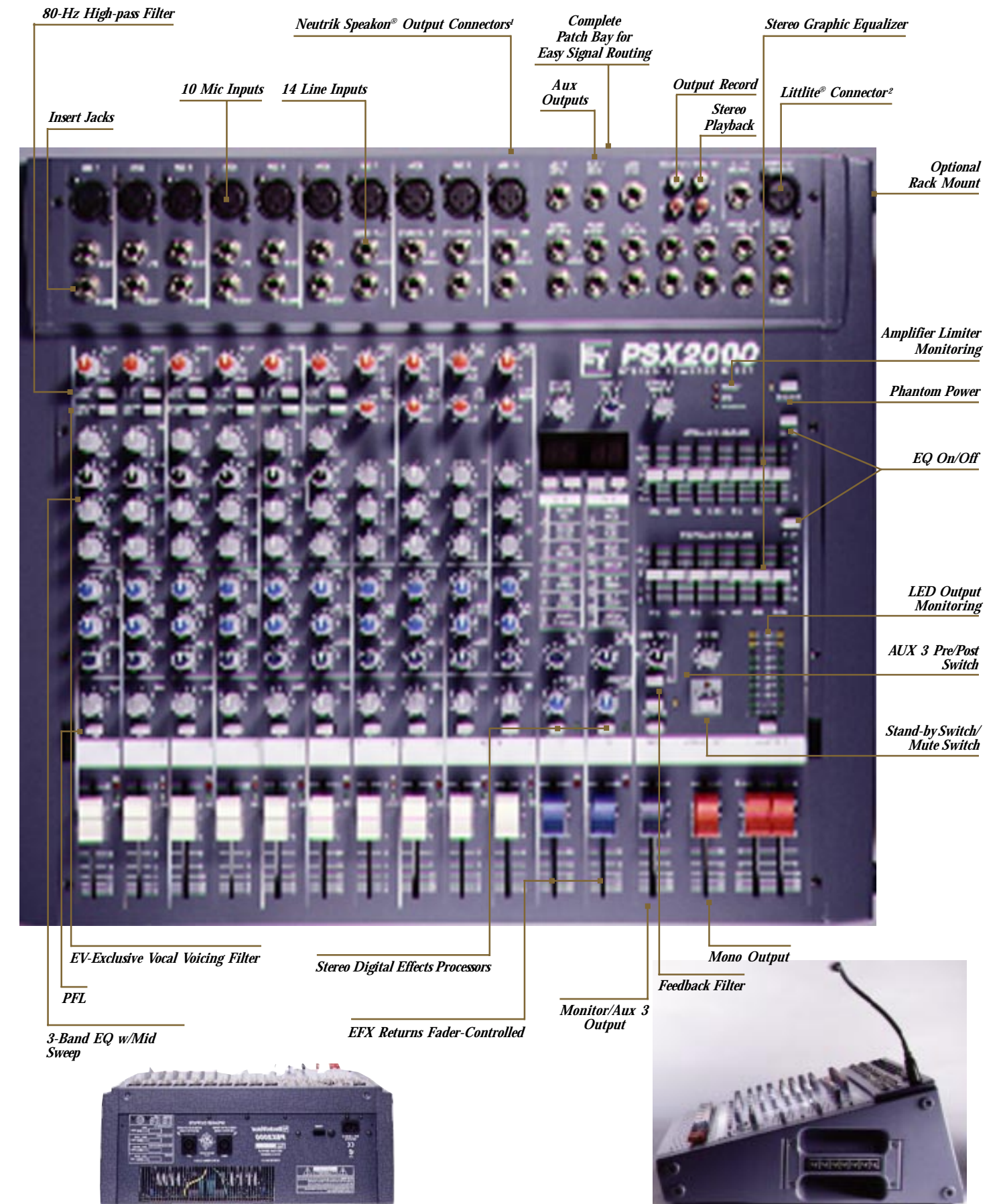
The PSX2000 is equipped with two separate 18-bit stereo digital effects processors, providing the sound quality of high-end studio gear. Each processor is replete with a substantial palette of 100 reverb, echo, plate, delay, chorus and flange effects. The effects are rich and smooth; their performance 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 signals can also be routed to Aux 3/monitor for performers to hear the wet signal. It is also possible to switch the effects units on/off at the panel and with an optional footswitch for changes during performances.

MORE EXTRAS

The master section of the PSX2000 contains a number of superior features. Two 7-band graphic equalizers give you enhanced control of your sound and complete tape input/record/tape-to-monitor controls let you run a tape deck or CD player without using up valuable input channels. Another useful feature is a special frequency-variable feedback filter that operates from the Aux 3 bus to help eliminate feedback from monitors. The PSX2000 can be rack-mounted with our optional kit and it even has a connector for a Littlite® gooseneck lamp! Everything has been included on the PSX2000 to make it easy to carry and use and a pleasure for your audience to hear.²

You can't compare the PSX2000 to any other powered mixer—its power, performance and features are in a completely different league from anything else. To find comparable performance and features, you'll have to look at the best power amps, mixing consoles and digital effects units. The separates cost more, weigh more and are harder to setup and use. The PSX2000 is the perfect match for System 2000™ speakers.

1. Speakon is a registered trademark of Neutrik Inc.
2. Littlite is a registered trademark of CAE, Inc.



The PSX2000 has Neutrik Speakon® connectors to insure that power is reliably delivered to your speakers!¹



The PSX2000 has comfortable handles for ease in carrying and a connector for a Littlite® gooseneck lamp.²