



# 61PMX

---

# 81PMX



*Electro-Voice®  
Powered  
Mixing Consoles*

# 61PMX

---

# 81PMX

## Electro-Voice 61PMX & 81PMX Powered Mixing Consoles

**Designed to be your audio "workhorse," Electro-Voice 61PMX (6-channel) and 81PMX (8-channel) powered mixers offer the flexibility, convenience and special features necessary for a variety of portable and fixed applications.**

### Special features include:

- **40-volt phantom power supply** for maximum performance from condenser microphones.
- **Digital reverb/delay** for more natural ambience and control flexibility than bucket-brigade devices, and no "clatter" from spring reverbs.
- **A beefed-up amplifier** for improved reliability and sound quality. The amp also features a new mechanical design which improves heat dissipation and withstands abusive conditions with ease.
- **Optimum tone control** through the 9-band graphic EQ (with Constant Range™ filters) on output and 2-band EQ on input.
- **Individual sends on each channel** for stage monitors and outboard signal processors. Insert jacks allow use of separate processors or effects on each channel.
- **Superior design** with easy-access channel inputs, insert jacks and a complete patch bay on top panel.

The 61PMX and 81PMX offer power to spare, with 200 watts into four ohms and plenty of headroom. Constructed of rotomolded polyethylene, they are typically 40 percent lighter than competitive mixers as well as being more rugged to withstand the punishment of constant travel. Insert jacks allow the use of separate effects on each channel, which feature both low- and high-impedance inputs. A gain control allows you to achieve optimum signal-to-noise ratio, and to level-match input sources.

Microphone inputs are designed to handle the high output of EV's N/DYM® microphones, as well as condensers, without overload distortion. And distortion can be carefully monitored via a clip LED for input, EQ and overall levels. Our exclusive PowerLock™ circuit further prevents speaker damage from distortion. Vocalists hear what

the audience hears, with a "wet" stage monitor mix provided by the reverb-to-monitor feature.

Backed by EV's three-year parts-and-labor warranty, as well as the best service support in the business, the 61PMX and 81PMX clearly outdistance the competition in terms of value and performance.

### SPECIFICATIONS

<b>Amplifier Power Output:</b>	4-ohm load/200 watts 8-ohm load/125 watts
<b>Frequency Response, Power Amplifier:</b>	20 Hz-20 kHz ± 0.5 dB
<b>Mixer:</b>	Microphone input to any output, EQ flat, gain controls nominal, 20 Hz-20 kHz ± 1 dB
<b>Total Harmonic Distortion, Power Amplifier:</b>	< 0.5% @ maximum rated power with 4-ohm load, 20 Hz-20 kHz < 0.1% @ maximum rated power with 8-ohm load, 1 kHz
<b>Mixer:</b>	< 0.1% @ +20 dBu, 20 Hz-20 kHz
<b>Noise (20-20,000 Hz with 150-ohm impedance):</b>	-126 dBu EIN-equivalent input noise, microphone input
<b>Input Channel Equalization:</b>	± 12 dB low cut/boost centered at 90 Hz ± 12 dB high cut/boost centered at 10 kHz
<b>Channel Inserts:</b>	¼-in. stereo phone plug, tip send, ring return
<b>Microphone Inputs, Type:</b>	Balanced, pin-2 reference positive
<b>Maximum Input Level:</b>	+14 dBu (3.9 volts)
<b>Input Impedance at 1 kHz:</b>	4,440 ohms
<b>Clip Indicator Threshold:</b>	+15 dBu (at minimum gain)
<b>Line Inputs:</b>	High impedance, balanced, tip positive
<b>Maximum Input Level:</b>	+24 dBu (12 volts)
<b>Input Impedance:</b>	30 kilohms
<b>Tape Inputs:</b>	High impedance, RCA jack, unbalanced, tip positive
<b>Input Impedance:</b>	47 kilohms
<b>Graphic Equalizer:</b>	9-band, Constant Range™, ± 12 dB cut/boost
<b>Center Frequencies:</b>	50, 100, 200, 400, 800, 1,600, 3,150, 6,300, 12,500 Hz
<b>Echo:</b>	Electronic, adjustable delay time
<b>Maximum Power Indicator:</b>	Lights when power amp input exceeds +11 dBu
<b>Dimensions (HWD):</b>	17.4 cm x 45 cm x 39.6 cm (6⅞" x 17¾" x 15½")
<b>Net Weight:</b>	11.3 kg (25 lb)/12.2 kg (27 lb) 81PMX
<b>Power Requirements:</b>	100/120/220/240 V ac, 50/60 Hz, 260 W
<b>Phantom Power:</b>	40 volts *PMPC-S carrying case available.



**Electro-Voice®** a MARK IV company

600 Cecil Street, Buchanan, Michigan 49107, Phone (616)695-6831, FAX: 616-695-1304

8234 Doe Avenue, Visalia, California 93291, Phone (209)651-7777, Fax (209)651-0164

Mark IV Audio Canada, Inc., 345 Herbert St., Gananoque, Ontario, Canada K7G 2V1, Phone (613)382-2141, Fax (613)382-7466

Mark IV Audio, A.G., Kellenstrasse 5, CH-2563 IPSACH, Switzerland, Phone (011)41/32-51-68-33, Fax (011)41/32-51-1221

Mark IV Audio Japan, Ltd., 2-5-60 Izumi, Suginami-ku, Tokyo, Japan 168, Phone (011)81/3-3325-7900, Fax (011)81/3-3325-7878

Mark IV Vertriebs GmbH, Larchenstrasse 99, 6230 Frankfurt/Main 80, Germany, Phone (011)49/69-380-100, Fax (011)49-69-386-959

Electro-Voice Pty, Ltd., Unit 24, Block C, Slough Business Park, Slough Ave., Silverwater, N.S.W. 2141, Australia, Phone (011)61/2-648-3455, Fax (011)61/2-648-5585

Audio Consultants, Co., Ltd., Flat E/F, 21/F., 8 Luk Hop St., Luk Hop Industrial Bldg., San Po Kong, Kowloon, Hong Kong, Phone (011)852/712-5251, Fax (011)852/351-3329