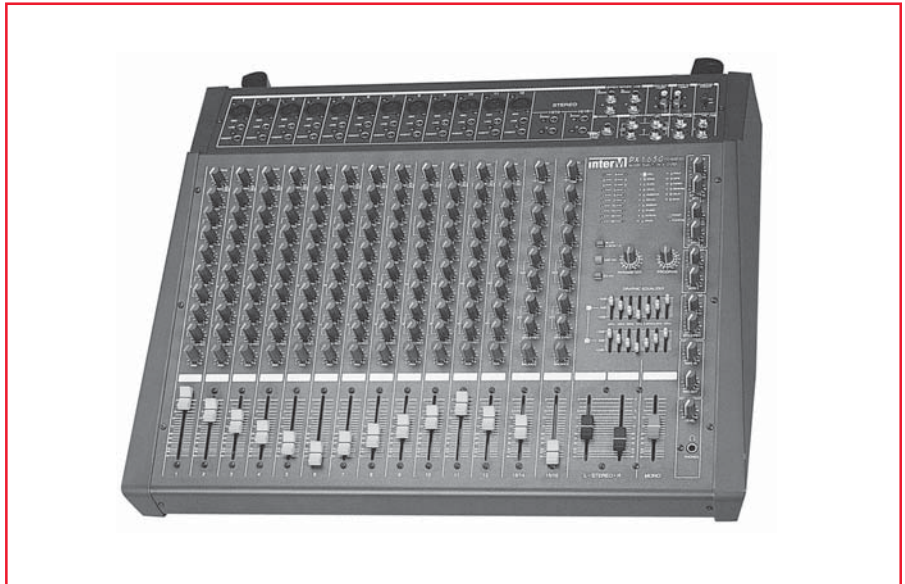


Features

- 12 Mono and Two Stereo Input Channels with Clip LEDs
- Four Separate Power Amplifiers with Built-In Two-Way Crossovers
- 250 Watts per Channel into 4Ω
- Three-Band Equalizer per Channel
- 256 Digital Effects
- Dual Seven-Band Graphic Equalizer
- Left, Right, and Monitor Outputs
- Pre/Post EQ and Stereo Line Inserts
- Tape In and Rec Out
- Patchable Left/Right or Main/Monitor Amplifier Assignment
- +48VDC Phantom Power
- 1/4" and Speakon® Outputs



Description

The PX-1650 is a four-amplifier powered mixer with reliability and performance for mobile use and permanent installations. It provides the complete answer for applications in schools, clubs, churches and community centers, as well as performers. The 12-channel PX-1650 offers a single-box four-amplifier powered mixer, with integral two-way crossovers. Phantom power is available on all mono input channels for use with condenser microphones. Effects send with returns can be used with either the 256 internal preset effects or to drive external effects devices. Both the internal and external effects can be sent to monitor out. In addition, each channel has send-to-stage monitor control as well as three bands of equalization for more precise individual tone control, a trim control with a peak indicator and pan pot. Each channel has both a 1/4" line input and an XLR for microphones. Two 2/3-octave equalizers are provided to enhance the overall performance of the PA system. The amplifier can be patched from main/monitor operation to left/right stereo operation. A patch bay is provided to access other power amplifiers and outboard processing gear, including compressor/limiters. The PX-1650 is powered by 100-120VAC or 220-240VAC 50/60Hz (depending on country requirements).

Technical Specifications

ELECTRICAL		PX-1650
Rated Output (1kHz, 0.5% THD)		250W/4Ω/CH
Maximum Gain	CH In to PRE GEQ/ MON/EFX OUT	-64dB
	Stereo CH In to PRE GEQ OUT	34dB
	AUX Return to PRE GEQ OUT	0dB
Frequency Response		20Hz - 30kHz
THD		>0.1%
CH EQ Control		±15dB
	High	12k
	Mid	2.5k
	Low	80Hz
EIN		-128dB
Residual Noise (Only Master Fader Max)		-77dB
Crosstalk (at 1kHz)		-70dB
X-Over Section	Mode Selector	X-Over/By-Pass/Bridged
	X-Over Frequency Control	60Hz - 250Hz (Sweepable)
	X-Over Frequency Range Selector (x10)	600Hz to 2.5kHz (Sweepable)
	Trim Control	-6dB, 0, +6dB
	X-Over Cut Off Slope	24dB/oct.
	High Pass Filter	35Hz, 18dB/oct
GENERAL		
Power	100-120VAC or 220-240VAC 50/60Hz	
Power Consumption	720W	
Weight	88.4lbs.	
	33kg	
Dimensions (W x H x D)	27.6" x 6.9" x 20.1"	
	702mm x 175mm x 510mm	

PX-1650 Architects and Engineers Specifications

The four-amplifier powered mixer with crossovers shall be capable of 250 watts RMS output per channel into a 4Ω load. The 12-channel unit shall offer a single-box stereo mixer with two equalizers, four power amplifiers and two-way crossovers. Each input channel shall have a trim pot with a peak LED and both ¼" jack for line level and XLR input for connection of low impedance balanced mics. Phantom power shall be available on all mono input channels for use with condenser microphones while an effects loop shall be usable with either the 256 internal effects or to drive external effects devices.

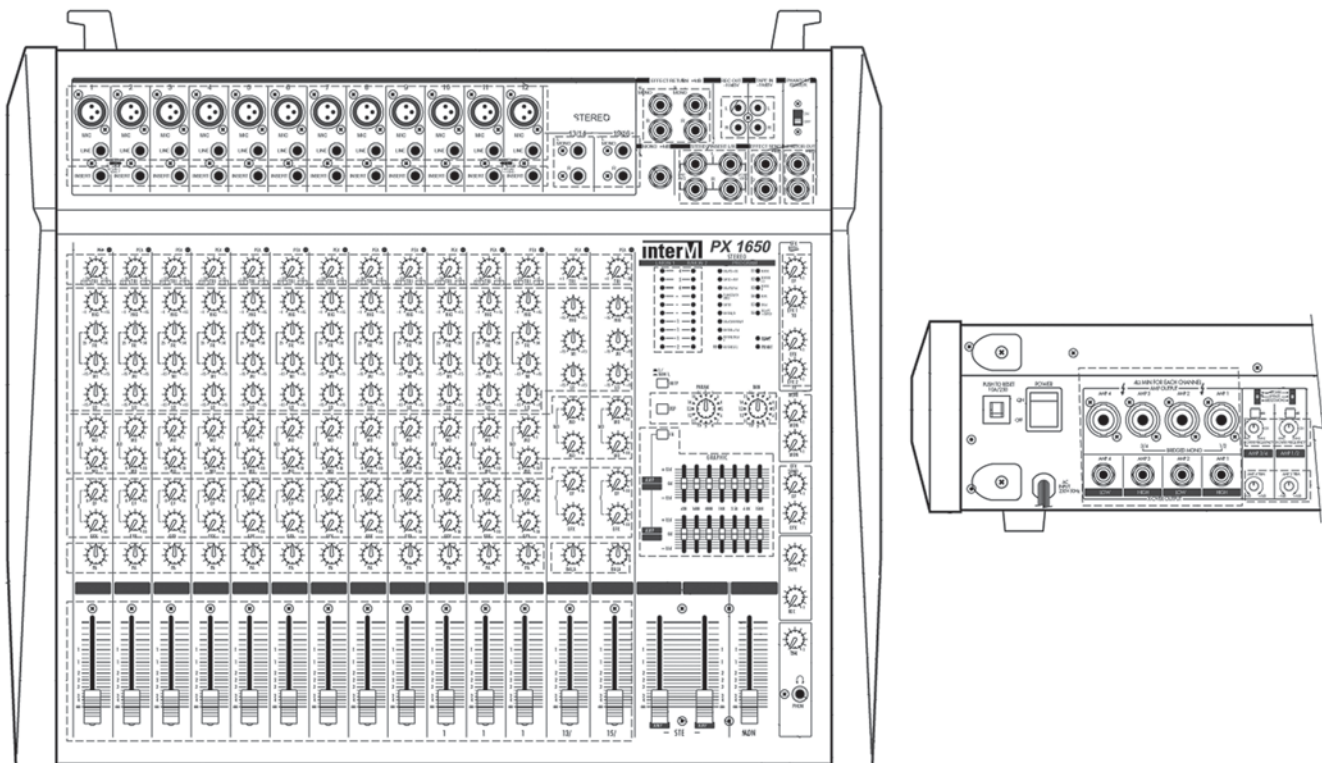
In addition, each channel shall have send-to-stage monitors as well as three bands of equalization for more precise individual tone control. Two 2/3-octave equalizers shall be provided to enhance the overall performance of the PA system. There shall be a stereo Aux/EFX return with assignment to the "tape in" and "monitor out". The amplifier shall be patchable from main/monitor operation to left/right stereo operation. A patch bay shall be provided to access other power amplifiers and outboard processing gear, including compressor/limiters. The unit shall have ¼" or Speakon® speaker connectors.

The four-amplifier powered mixer with crossovers shall also meet the following performance criteria:

Frequency response shall be from 20Hz to 30kHz; total harmonic distortion at rated output shall be less than .1%; phantom power shall be +48VDC. The unit shall have internal relay type protection circuitry and a resettable circuit breaker. The power source shall be 100-120VAC or 220-240VAC 50/60Hz (depending on country requirements).

The four-amplifier powered mixer with crossovers shall be an Inter-M model PX-1650.

PX-1650 Top and Rear Views



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