

XM Series

Multi-channel Power Amplifiers



XM4180



XM4080



XM4180 Rear Panel

2U

Compact, lightweight 2U amps provide four channels of high-power amplification.

- Ideal for theatre, hall, and conference room installations.
- Four independent channels of power amplification in convenient, manageable units (XM4180 = 180W per channel, XM4080 = 80W per channel).
- Stereo, parallel, or bridged operation switchable from the rear panel.
- Balanced XLR and Euroblock connectors for easy, secure input connection.
- Output connections via five-way binding posts.
- High-pass filter with a selectable 20 Hz or 55 Hz roll-off frequency.
- Precision attenuators and independent indicators for each channel allow accurate level setup and status monitoring.
- The XM4180 can also function as a distribution power amp to drive multiple high-impedance speakers via 70V line output.
- Rear-panel Monitor/Remote jack allows the amp to be monitored and controlled from an external device.

GENERAL SPECIFICATIONS

Model	XM4180		XM4080	
Output Power	1kHz, THD+N = 1%	4Ω	250W x 4	120W x 4
		8Ω	210W x 4	90W x 4
		8Ω bridge	500W x 2	240W x 2
	20Hz - 20kHz, THD+N = 0.1%	4Ω	230W x 4	115W x 4
		8Ω	180W x 4	80W x 4
8Ω bridge		460W x 2	230W x 2	
Constant Voltage Line	70V Line	300W x 2/16Ω (Bridge)	-	
Voltage Gain	RL=8Ω	30dB	26dB	
Input Sensitivity	RL=8Ω	+4dBu		
S/N Ratio	20Hz-20kHz, DIN AUDIO	103dB		
Power Consumption	1/8 power (4Ω pink noise)	600W	400W	
	Idle	40W	40W	
	Standby	5W	5W	
THD+N	20Hz-20kHz, 1/2 power, RL=4Ω	Less than 0.1%		
Frequency Response	RL=8Ω, Po=1W, 20Hz - 20kHz	+0dB, -0.5dB		
Crosstalk	1kHz, half power, 8Ω Att. max, input 600Ω shunt	Less than -60dB		
Damping Factor	RL=8Ω, 1kHz	More than 100		
Maximum Input Level		+22dBu		
Input Impedance		20kΩ (balanced), 10kΩ (unbalanced)		
Controls	Front Panel	POWER switch x 1 (push on/push off), Attenuator x 4 (31position)		
	Rear panel	MODE switch x 2 (STEREO/BRIDGE/PARALLEL), HPF switch x 2 (20Hz/55Hz/OFF) (12dB/oct)YS PROCESSING switch x 1 (ON/OFF)		
Connectors	Input	XLR-3-31 type x 4, Euroblock connector x 4 pairs (balanced)		
	Output	5-way binding post x 4 pairs		
	Monitor/Remote	D-SUB 15P x 1		
	AC IN	AC inlet x 1		
Indicators		POWER/STAND-BY x 1 (Green/Orange), PROTECT/MUTE x 4 (Red), SIGNAL x 4 (Green), CLIP/LIMIT x 4 (Red)		
Load Protection		POWER switch on/off mute, DC-fault: output relay Off (Restored automatically) Clip Limiting: THD ≥ 0.5%		
Amplifier Protection		Thermal: Output Mute (heatsink temp ≥ 90°C) (Restored automatically), VI limiter (RL ≤ 2Ω): Limits the output		
Power Supply Protection		Thermal: Amplifier shuts down automatically (Operation not restored automatically, heatsink temp ≥ 90°C)		
Cooling Fan		Variable-speed fan x 1		
Power Requirements		120V, 220V-240V; 50Hz/60Hz		
Dimensions (WxHxD)		480 x 88 x 412mm (18-7/8" x 3-7/16" x 16-1/4")		
Weight		10kg (22lbs)	9.8kg (21.6lbs)	
Included Accessories		Power cable x 1, Security cover x 1, Euroblock connector x 4 (3P), Owner's manual		

* Half power = 1/2 power output level

DIMENSIONS

unit : mm

