

# 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	8Ω / Channel	210W x 4	90W x 4
	4Ω / Channel	250W x 4	120W x 4
	1kHz, THD+N=1% 8Ω / Bridge	500W x 2	240W x 2
	8Ω / Channel	180W x 4	80W x 4
	4Ω / Channel	230W x 4	115W x 4
	8Ω / Bridge	460W x 2	230W x 2
20Hz – 20kHz THD+N=0.1%	70V / Bridge	300W x 2	-
	RL=16Ω		
Sensitivity (dBu)	RL=8Ω Att.max	+4.0	+4.0
S/N Ratio	20Hz-20kHz (DIN AUDIO)	103dB	103dB
Idle Power Consumption		40W	40W
1/8 Power Consumption (4Ω)		600W	400W
THD+N	20Hz – 20kHz, half power	0.1%	
Intermodulation Distortion	60Hz: 7kHz, 4:1, half power	0.1%	
Frequency Response	8Ω, Po=1W,HPF=OFF	MAX 0dB, TYP 0dB, MIN -0.5dB 20Hz-20kHz	
Channel Separation	Half power RL=8Ω 1kHz	60dB	
	ATT. Max input 600Ω shunt		
Residual Noise	20Hz-20kHz (DIN AUDIO)	-73dBu	
Damping Factor	8Ω, f=1kHz	100	
Voltage Gain	ATT. max	30dB	26dB
Maximum Input Voltage		22dBu	
Input Impedance		20kΩ (balanced) 10kΩ (unbalanced)	
Controls	Front panel	POWER switch (push on/push off), attenuator (31position) x 4	
	Rear panel	MODE switch (STEREO/BRIDGE/PARALLEL) x 2, HPF switch (OFF/20Hz/55Hz 12dB/oct) x 2	
Connectors	Input	XLR-3-31 type/ch, Euroblock (balanced)/ch	
	Output	5-way binding post/ch	
	DATA PORT	D-sub15P; Monitor:Output Level/ch,Active/ch, Model Detect Control:Mute/ch	
	Power	AC inlet x 1	
Indicators	POWER/STAND BY	x 1 (Green/Orange)	
	SIGNAL	x 4 (Green)	
	CLIP/LIMIT	x 4 (Red)	
	PROTECT/MUTE	x 4 (Red)	
Load Protection		POWER switch on/off mute, DC-fault output relay off	
Amplifier Protection		Thermal (heatsink temp ≥ 90°C), VI limiter (RL ≤ 2Ω)	
Limiter Circuit		clip limiting, THD ≥ 0.5%	
Cooling		Variable speed fan x 1	
Power Requirements		120V / 60Hz, 230V / 50Hz, 240V / 50Hz	
Dimensions (W x H x D)		480 x 88 x 412 mm (18-7/8" x 3-7/16" x 16-1/4")	
Weight		10kg (22 lbs.)	9.8kg (21.6 lbs.)
Included Accessories		Power cord, Security cover, Owner's Manual, 3-pin Euroblock connector x 4	

\*1: 1/8 Power = 9dB below rated power

\*2: Half Power = 3dB below rated power

\*3: 0dBu = 0.775Vrms

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## DIMENSIONS

