

POWER AMPLIFIERS

XM4180
XM4080



XM4180

- Multi-channel amplifiers feature 4-channel high power output (XM4180: 180W/8ohms x 4ch, XM4080: 80W/8ohms x 4ch).
- Rear panel switches allow operation of the four channels in stereo pairs or parallel for greater compatibility with a wide range of applications.
- Either unit can drive several high-impedance speakers connected in parallel. The XM4180 also allows bridged operation.
- Both units equipped with front panel attenuators, protection circuitry and indicators that allow monitoring of operating status.
- Input sections include both XLR connectors and Euro-block terminals while outputs utilize 5-way binding posts. Also included are monitor/remote terminals and a subsonic filter.

■ GENERAL SPECIFICATIONS

Model	XM4180	XM4080
Power Output Level	8Ω 20Hz-20kHz THD+N=0.1%	180W × 4 250W × 4 500W × 2 300W × 2
Sensitivity	RL=8Ω Att.max	+4dB
S/N Ratio	20Hz-20kHz (DIN AUDIO)	100dB
Idle Power Consumption		40W
1/8 Power Consumption (4Ω)		500W
Power Bandwidth	(Half power THD+N=0.5%)	10Hz—40kHz
THD+N	20Hz – 20kHz, half power	0.1%
Intermodulation Distortion	60Hz: 7kHz, 4:1, half power	0.1%
Frequency Response	f=20Hz-20kHz (Min/Typ/Max)	-0.5dB/0dB/0dB
Channel Separation	Half power RL=8Ω 1kHz ATT. Max input 600Ω shunt	60dB
Residual Noise	20Hz-20kHz (DIN AUDIO)	-70dB
Damping Factor	8Ω, f=1kHz	100
Voltage Gain	ATT. max	30dB
Maximum Input Voltage		22dB
Input Impedance		30kΩ (balance) 15kΩ (unbalance)
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, euro-block (balance)/ch
	Output	5-way binding post/ch
	DATA PORT	D-sub 15P, Monitor: Output Level/ch, Active/ch, Model Detect Control: Mute/ch
	Power	AC inlet x 1
Indicators	POWER	x 1 (Green)
	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 ≥ 1.0%
Cooling	Variable-speed fan	stop-50°C-variable-70°C-Hi
Power Requirements		UC: 120V / 60Hz, EU: 230V / 50Hz, A: 240V / 50Hz
Dimensions (W × H × D)		480 × 88 × 412.2 mm (18-7/8" × 3-7/16" × 16-1/4")
Weight		10 kg (22 lbs.)

POWER AMPLIFIER

XH200



- 2-channel high impedance power amplifier delivers 200W/24ohms @70V, 200W/48ohms @100V.
- Current switching allows for compact and lightweight 2U chassis designs.
- Precision detented attenuators marked with dB levels are located on the front panel for easy access and operation. The unit also features protection circuitry and indicators that allow monitoring of operating status.
- Equipped with Euro-block inputs and barrier strip terminal outputs. Also included are monitor/remote terminals and a subsonic filter.

■ GENERAL SPECIFICATIONS

Power Output Level	4Ω 20Hz-20kHz THD+N=0.1%	70V/channel RL=24Ω 200W x 2 8Ω / BRIDGE 100V/channel RL=48Ω 200W x 2
Idle Power Consumption		40W
1/8 Power Consumption (4Ω)		250W (70W)
Power Bandwidth	(Half power THD+N=0.5%)	10Hz—40kHz
THD+N	20Hz – 20kHz, half power	0.1%
Intermodulation Distortion	60Hz: 7kHz, 4:1, half power	0.1%
Frequency Response	f= 80Hz-20kHz (Min/Typ/Max)	-0.5dB/0dB/0dB
Channel Separation	Half power RL=8Ω 1kHz ATT. Max input 600Ω shunt	60dB (24Ω)
Residual Noise	20Hz-20kHz (DIN AUDIO)	-65dB
Damping Factor	8Ω, f=1kHz	100
Voltage Gain	ATT. max	38dB (100V), 35dB (70V)
Maximum Input Voltage		22dB
Input Impedance		30kΩ (balance) 15kΩ (unbalance)
Controls	Front panel	POWER switch (push on/push off), attenuator (31position) x 2
	Rear panel	MODE switch (70V/00V) x 1 HPF switch (40Hz/80Hz 12dB/oct) x1
Connectors	Input	euro-block (balance)/ch
	Output	Barrier strip/ch
	DATA PORT	D-sub 15P, Monitor: Output Level/ch, Active/ch, Model Detect Control: Mute/ch
	Power	AC inlet x 1
Indicators	POWER	x 1 (Green)
	SIGNAL	x 2 (Green)
	CLIP/LIMIT	x 2 (Red)
	PROTECT/MUTE	x 2 (Red)
Load Protection		POWER switch on/off mute, DC-fault output relay off
Amplifier Protection		thermal (heatsink temp ≥ 90°C, VI limiter(RL ≤ 16Ω)
Limiter Circuit		clip limiting, THD ≥ 1.0%
Cooling	Variable-speed fan	stop-50°C-variable-70°C-Hi
Power Requirements		UC: 120V / 60Hz, EU: 230V / 50Hz, A: 240V / 50Hz
Dimensions (W × H × D)		480 × 88 × 412.2 mm (18-7/8" × 3-7/16" × 16-1/4")
Weight		10 kg (22 lbs.)