

XM-N502

2/1 Channel 500W Amplifier

The Sony® XM-N502 amplifier affords incredible installation flexibility and packs quite a punch.



Bullets

- 65W x 2 RMS at 4 Ohms¹
- 85W x 2 RMS power at 2 Ohms
- 150W x 2 max power at 4 Ohms
- 500W x 1 max power at 4 Ohms
- 500 Watts Max Power
- Selectable LPF
- Automatic Thermal Control
- Single sided connections

Features

Automatic Thermal Control

Other amps thermal protection circuits will simply shut down until they're cool. Sony's Automatic Thermal Control circuit actually lowers the output levels to reduce amplifier temperature so your music continues to play.

Efficient Cooling Design

The unique thermal control chassis is designed to circulate air and cool the amplifier for powerful sound output.

High Quality Components

Components such as audio capacitors, power MOSFETs and choke coils are carefully selected for high quality sound reproduction as well as reliability.

LPF Crossover

To get the full benefit of your speakers, you'll need to send them the appropriate musical frequencies. The integrated Low Pass Filter (LPF) sends only the deep bass to the subwoofers.

Single Sided Connections

Single sided connections provide flexible installation and multiple mounting options.

Specifications

Amplifier Section		Signal-to-Noise Ratio (dB)	93 dBA
Max power output	500W max power	Audio Features	
Power Ad Hoc	65W per channel at 4 Ohms from 20Hz-20kHz with 1% THD ¹	Level Control	0.3 - 6.0V (RCA input)
Speaker Impedance	2-8 Ohm stereo 4-8 Ohms mono	Inputs and Outputs	
Audio		Audio In	RCA Pin Jacks
Band	Selectable crossover: 18dB/oct LPF @ 80 HZ	Audio Out	Speaker Terminals
Circuit System	OTL (Output Transformerless) circuit Pulse Power Supply	Input(s)	RCA Pin Jacks
Frequency Response	5 Hz - 50 KHz (+0/-3 dB)	Line Level Input(s)	RCA pin jacks
Harmonic Distortion	0.05% (1kHz @ 4 ohm)	Output(s)	Speaker Terminals
Impedance	2-8 Ohm stereo 4-8 Ohms mono	RCA Audio Input(s)	Pin Jacks: 0.3 - 6V
Input Level	0.3 - 6.0V (RCA input)	Power	
Power Supply	OTL (Output Transformerless) circuit Pulse Power Supply	Current Drain	At rated output: 15A (at 4 Ohms) Remote Input: 1 mA
Signal Circuitry	Selectable LPF crossover	Input Voltage	10.5-16V Power Supply Voltage
		Internal Power Supply	OTL (Output Transformerless) circuit Pulse Power Supply
		Output Power	Maximum Output: 150W x 2 (at 4 Ohm)

1. CEA-2006 Compliant — Standardized “Voluntary” Testing Measurement Methods for Mobile Audio Amplifiers. This standard advocates a uniform method for determining an amplifier’s RMS power and signal-to-noise ratio. Using 14.4 volts, RMS watts are measured into a 4-ohm impedance load at 1 percent Total Harmonic Distortion (THD) plus noise, at a frequency range (for general purpose amplifiers) of 20 Hz to 20,000 Hz.

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