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PM48 2x12W power amplifier for PC



Features

PM48 2x12 Watt Stereo Amplifier for PC

Fits directly into PC slot.

Connects directly to soundcard with single cable.

Uses internal 12V power supply.

Connections for standard 'home' loudspeaker for superior sound

Low Distortion (0.1% @ 1WRMS)

12 Watt per channel into 4 Ohm load

6 Watt per channel into 8 Ohm load

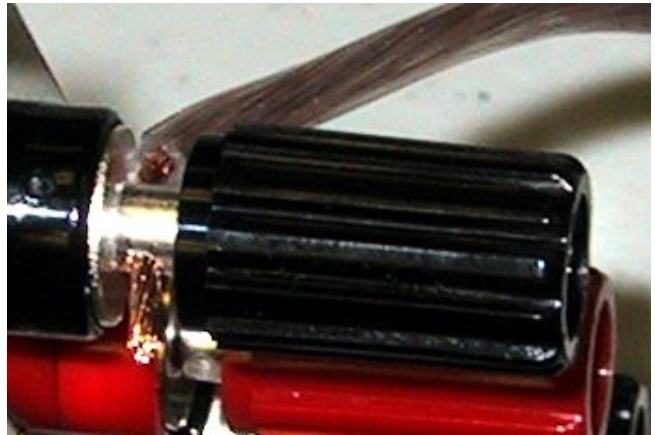
The XM48 stereo power amplifier allows the use of quality home type loudspeaker with the Personal Computer soundcard. This results in a dramatic improvement in sound quality compared with the usual amplified speaker. The PM48 connects to the sound card using a simple patch cable with 3.5mm phono plugs. The PM48 plugs directly into an unused slot in your computer. The power comes from the internal power supply of the PC, using the same connector that is used to power optional disk drives. Most PC's have plenty of power reserves in the power supply to power the PM48. The PM48 has two sets of banana plugs to connect to the loudspeakers. The power amplifier on the PM48 is the TDA8563Q made by Philips Semiconductor. This device has internal protections against short circuits (in case the loudspeaker wires get shorted) and overheating, so it is completely safe.

SPECIFICATIONS:

Frequency response:	20Hz to 20 KHz, +/- 1 dB
Insertion gain:	24 dB
Input signal for full output:	0.45VRMS typ.
Harmonic distortion at 1 KHz:	better than 0.1%
Output power:	12W/channel into 4 Ohm
Signal-to-noise ratio:	better than 100 dB
Input impedance:	10K Typ.
Output load capability:	2 Ohm min (4 or 8 Ohm typical).
Power supply voltage:	12 VDC
Dimensions:	8" x 4.75" x 0.75"
Weight:	approx. 1/4 pounds (.12 Kg)
Input Connector:	3.5mm stereo phono plug
Output connector:	Binding posts (2 each for left and right channel)

Installation

- 1: Plug PM48 into empty slot in PC and fasten the mounting screw.
- 2: Insert power supply connector into top of PM48.
Most PC's have one or more spare connectors.
If not Y-splices are available at most computer stores.
- 3: Connect speaker wires to the binding posts.
Strip the insulation off the ends of the speaker wires and insert the bare ends into the holes on the binding posts.
Make sure no loose strands of wire touch the metal bracket.
Fasten the wire by turning the plastic post.
An alternative is to use banana plugs.
- 4: Connect the patch cord with the 3.5mm phono plugs.
Plug one side into the PM48 and the other into the 'line-out' connector on the soundcard.
The line-out connector is usually the green connector
- 5: Enjoy the music



Attaching speaker wire to binding post.

note: there is no software to be installed

