

20W 2CH Stereo Wall Amp

The wall amp is a 20 watt per channel stereo wall and dado mounting amplifier. It is ideal for multi-room audio, classroom, hotel bedroom and small meeting room applications.



Product Features

The amp is manufactured in the 50mm euro format. It is supplied with a UK one gang white mounting frame and other suitable mounting frames are available in a wide range of finishes as well as multiple switch plate manufacturers.

The amp fits a standard UK format single back box and requires only a 35mm depth, and it will also fit the single DIN back box as used in the European market.

The amp uses an 86% efficient class D design and has a RMS* output of 20 watts per channel into 8 Ohms when powered from an 18V power supply or 10 watts when powered by the included 12V power supply, and as most quality loudspeakers are 8 Ohms, maximum efficiency is assured.

There are two rear inputs on screw terminals for permanent connections and two 3.5mm stereo jack on the front panel for other sources making it easy to install & use.

Inputs

This wall mounted amplifier has four unbalanced stereo audio inputs. Two inputs are on the rear and connected via screw terminals, Or two inputs on the front panel as 3.5mm stereo jack socket. Inserting a jack into the front socket will automatically disconnect the rear input.

Installation

The amplifier is not IP rated and should not be used in bathrooms, outdoors or similar damp environments unless provided with additional protection of suitable IP rating.

Installation

Warning Disconnect power and unplug the unit from the power source before installing or removing.

The amp is designed to fit a standard UK back box with a minimum depth of 35mm. It will fit most metal recessed, surface metal & plastic as well as dry liner and dado mounting boxes. If possible a 47mm deep box is to be preferred as this makes wiring easier.

Cable entry into the box can be from any combination of the knockouts but it is recommended that the audio input cables are kept separate from both the DC and speaker cables if at all possible. Close proximity will cause no damage but could induce noise.

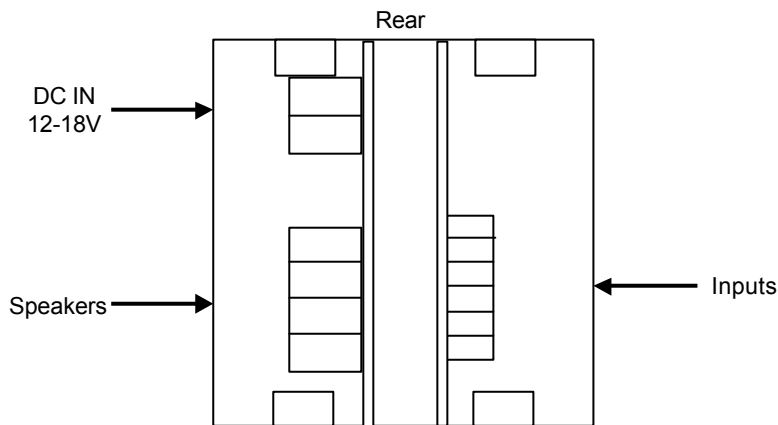
Power

The amplifier is DC powered and this should be fed from either the supplied power supply or suitable alternative. A mains power connection will be required for the power supply achieved by plugging the supplied cable into an adjacent socket. If the cable needs extending or connecting into a fused spur then the services of a qualified electrician to carry out the connection is recommended.

Please note that for UK installations in domestic premises connection by a part 'P' registered electrician is mandatory.

The power supply is connected to the 12-18V DC screw terminals on the rear PCB.

Please ensure correct polarity when connecting the DC power supply



Technical Specification

Power Output , 12V Stereo Mode	10W RMS* per channel into 8 Ohms	Minimum input for full power	-6dB
Power Output , 18V Stereo Mode	20W RMS* per channel into 8 Ohms	Protection	Integral, auto resetting, current limit & thermal protection. Integrated click & pop suppression.
Bandwidth	20Hz to 22KHz +/- 1dB	Power Source	12V DC @ 2.0A (supplied) or 18V DC @ 3.5A
THD & Noise	<0.8%	Power Connector	Screw Terminals
S/N Ratio	76dB	No signal current (12V)	28mA
Gain	26dBu	Standby current (12V)	10mA
Coupling	Input: AC; Output DC.		

* The wall amp is a class D switching amplifier so the RMS values are RMS equivalent, this is that they give the same Sound Pressure Level using music or speech from a loudspeaker as a linear amplifier delivering the quoted RMS level.