

## Single Gang Amplifier

The Single Gang Amplifier (SGA-40) is the ideal audio video solution for small and medium size rooms.

Cost effective and offering energy saving opportunities, it is also easy to specify and simple to install.



The SGA-40 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.

The SGA-40 is manufactured in the 50mm euro format and supplied complete with a UK size white mounting frame. Alternative frames are available in a wide range of finishes from iKON AVS as well as multiple switch plate manufacturers. The SGA-40 fits a standard UK single back box and requires only a 35mm depth. It will also fit the single DIN back box.

The SGA-40 uses an 86% efficient class D design and has a RMS output of 20 watts per channel into 8 Ohms when powered from an 15V 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. Additionally the amplifier adopts an ultra low power standby state when no signal is present.

It is fitted with two rear inputs on screw terminals for permanent connections and two 3.5mm stereo jacks on the front panel for other sources making the SGA-40 easy to install & use.

What sets the SGA-40 apart is the fact it is designed with European market in mind and offers an ultra reliable and affordable amplifier.

To further simplify installation the unit can be supplied bundled with compatible speakers and cables.

### Benefits

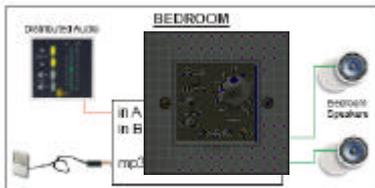
- Cost effective
- Energy efficient
- Easy to specify
- Easy to install

## Energy Saving and Control

This 20 watt amplifier is an 86% efficient class D design offering higher quality sound with lower power usage.

### Typical application

#### BEDROOM



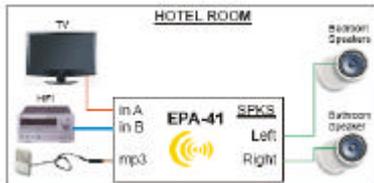
Used with the Ikon Matrix 2 and room remotes, the SGA-40 is ideal for use as part of a distributed audio system whilst maintaining the ability to connect personal mp3 players directly.

#### CLASSROOM OR MEETING ROOM

The SGA-40 is used in conjunction with a EP-PC50V to provide video & XVGA inputs to the projector as well as audio into the amplifier. The SPC-7 is used for control over the projector. All modules, along with mains will fit into an iKON RDM-6H or SDM -6H desk access module.



#### HOTEL ROOM



maintaining level tracking between the two.

When used in a hotel room the left and right inputs are paralleled for mono operation. The internal preset level control can be used to set the level of the bathroom speaker lower than the main bedroom whilst

### Specification

Power Output , 12V Stereo Mode	10W RMS* per channel into 8 Ohms
Power Output , 15V Stereo Mode	20W RMS* per channel into 8 Ohms
Power Output , 12V Mono mode	20W RMS* into 4 Ohms
Power Output , 15V Mono mode	40W RMS* into 4 Ohms
Bandwidth	20Hz to 22KHz +/- 1dB
THD & Noise	<0.8%
S/N Ratio	76dB
Gain	26dBu
Coupling	Input: AC; Output DC.
Minimum input for full power	-6dB
Protection	Integral, auto resetting, current limit & thermal protection. Integrated click & pop suppression.
Power Source	12V DC @ 2.5A ( supplied ) or 18V DC @ 3.5A
Power Connector	2 way screw terminal
No signal current (12V)	28mA
Standby current (12V)	10mA

\* The SGA-40 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.

### Accessories

The SGA-40 can be fitted to a range of plates or desk access modules. Suitable mounting frames are available in a wide range of finishes from iKON AVS as well as multiple switch plate manufacturers. The SGA-40 fits a standard UK format double back box and requires only a 35mm depth. It will also fit the double DIN back box when used with the Ikon EPDD2 stainless steel frame.

### Technical Support

iKON technicians have over 100 years combined experience in the design and installation of audio and AV systems and we are here to provide you with specialist help and advice.