

## Simple Control Amplifiers

The Simple Control Amplifier (SC-AMP) 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 Simple Control Amplifier (SC-AMP) is a combined entry-level projector or display controller, a 20 watt stereo amplifier and convenient laptop connection or laptop and USB connection. All on a two-gang white metal panel that fits a standard 35mm UK back box.

Although it can be easily programmed, the SC-AMP can be supplied pre-programmed for your choice of display.

Featuring automatic shut-down to save power and panel lock-out to prevent unauthorised use, the amplifier can also be used on its own when the projector isn't required. Simply plug an audio source into the 3.5mm jack on the front and it will automatically turn on the amplifier.

It is fitted with screw terminals for power, speakers & inputs on the rear for permanent connections and a 3.5mm stereo jack on the front panel for other sources making the SC-AMP and SC-AMP-U easy to install & use.

The SC-AMP's amplifier uses an 86% efficient class D design and has a RMS output of 20 watts per channel into 8 Ohms, and as most quality loudspeakers are 8 Ohms, maximum efficiency is assured.

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

### Benefits

- Cost effective
- Easy to specify
- Easy to install
- Energy efficient
- Programmable and available pre-programme

## Control and installation

To program the unit it is only necessary to download a library module for complete control over the display. Full customisation over input selection (e.g. warm up and cool down times) is also provided. For further control the installer can set up a four-button sequence to lock and unlock the panels operation.

## Typical application



## Specification

### Controller

Switches: 5 switches with internal LED illumination.  
 Baud rate 9K6, 19K2, 38K4, 57K6 or 115k2  
 Bi directional RS232: Data 8 bit, 1 or 2 stop bits, Parity None, Odd or Even

### Amplifier

Power Output, 10W RMS\* per channel into 8 Ohms  
 Bandwidth 20Hz to 22KHz +/- 1dB  
 THD & Noise <0.8%  
 S/N Ratio 76dB  
 Coupling Inputs: AC; Output DC.

### Protection

Integral, auto resetting, current limit & thermal protection.  
 Integrated click & pop suppression.

Power Source 12V DC @ 2.5A ( supplied )

Power Connector 2 way screw terminal

No signal current 10mA

\* The SC-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.

## Accessories

The DADO-1G-STA input plate can be used in conjunction with the SC-AMP to provide additional XVGA video and audio inputs . This easy to install wall input plate uses a totally passive design and fits a standard single gang back box. Screw terminals are used throughout eliminating the need to solder on site and with the VGA, Sync, Audio and Video grounds kept independent cross talk and reflections are minimised for a trouble free installation. Manufactured on a flat steel plate with a durable white finish with black silkscreen.



## 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.