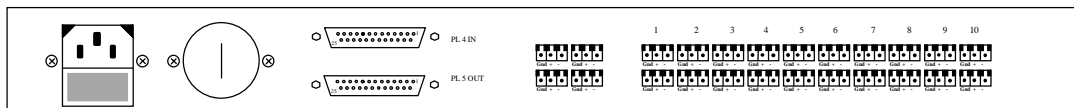
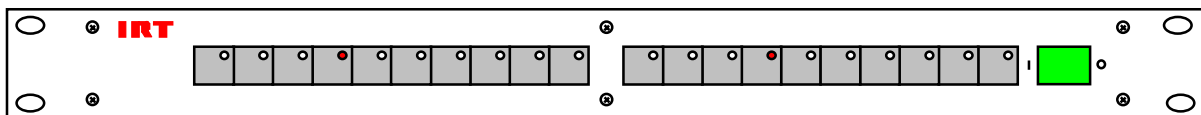
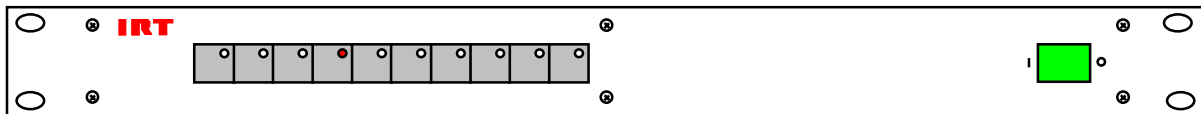
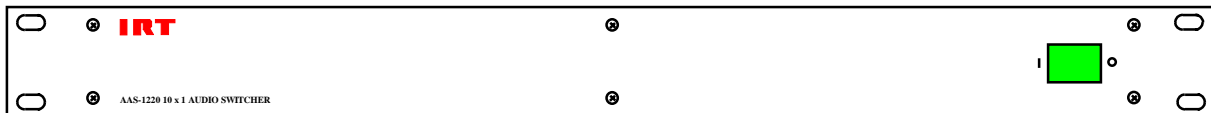


Features:

- **Balanced inputs and outputs. (Balanced or unbalanced operation.)**
- **10 x 1 stereo or 20 x 1 mono operation.**
- **Control system allows linking to video, SDI and data switchers.**
- **Supports multiple remote and local control panels.**
- **User upgradeable from remote to local control.**



General:

The AAS-1220 10 x 1 stereo audio switcher is a self-contained, mains powered unit requiring one unit of rack mounting space. It has the capability to switch any one of its ten stereo balanced inputs to its stereo balanced output.

The output has two isolated feeds. Selection of the required input is made via a "D" type connector mounted on the rear panel, using a 4 or 5 bit code or optional ground per crosspoint connection.

The switcher can be fitted with a CPS-1211 10 x 1 or a CPS-1221 dual 10 x 1 (20 x 1) Control Panel, or remotely controlled using CPS-1050 10 x 1 or CPS-1052 20 x 1 remote control panels.

The switcher may be linked to provide 20 x 1 operation using either a CPS-1221 locally or CPS-1052 remotely.

The inputs are high impedance allowing bridging of multiple switchers. Two low impedance outputs allow for a monitor connection in addition to the main output.

The switchers are housed in an IRT one rack unit (44 mm high) 483 mm (19 inch) metal chassis. The input and output circuit connections are by means of plug in terminals to sockets mounted on the edge of the printed circuit boards, accessible from the rear panel of the unit.

Control/tally connections to the switch data buss are made to a pair of 25 pin "D" connectors on the rear panel.

An internal AC mains powered regulated power supply provides the operating voltages for the switcher circuitry. A selector on the rear panel allows matching to local mains supply voltages.

AAS-1220 Technical Specifications

(Preliminary)

Audio inputs:

Number	10 x 2 (10 stereo).
Type	Transformerless, bridging DC coupled.
Impedance	> 10 k Ω .
Connectors	Plugable screw block connectors.
Max. input level	+24 dBu.
Input CMR	> 40 dB @ 55 Hz.

Audio outputs:

Type	Transformerless, balanced DC coupled.
Number	2 x 2 (left and right).
Impedance	< 44 Ω .
Connectors	Plugable screw block connectors.
Max. output level	+24 dBu into loads greater than 600 Ω .
DC on output	< \pm 20 mV.

Performance:

Switching	Within 25 ms. Timing may be synchronised to another switcher.
Gain	\pm 3 dB (adjustable by internal pre-set).
Frequency response	\pm 0.5 dB for 20 Hz to 20 kHz. (Referenced to 1 kHz.)
Harmonic distortion	< 0.01% 20 Hz to 20 kHz at +16 dBu output.
Noise	-100 dB, Ref. +20 dBu 20 Hz to 20 kHz. (With input terminated by 600 Ohms.)
Crosstalk between inputs	< -85 dB at 20 kHz. (Input of measured channel terminated.)
Stereo separation between channels	< -90 dB at 20 kHz. (Input of measured channel terminated.)
Phase left/right	\pm 0.2° to 20 kHz.

Control inputs/outputs:

Type	4/5 bit parallel TTL level signal compatible with IRT AVS-1210 video switcher and IRT 3000 series switchers.
Number	1 "input" & 1 "output".
Connectors	25 pin 'D' - female.

Power requirements:

	110, 130, 220 / 240 Vac 50 / 60 Hz 10 VA.
Fuse rating: 240 Vac	250 mA slow blow.
110 Vac	500 mA slow blow.

Other:

Temperature range	0 - 50° C ambient.
Mechanical	IRT 19" rack chassis with input, output and power connections on the rear panel.
Finish: Front panel	Grey enamel, silk-screened black lettering & red IRT logo.
Rear panel	Silk-screened bright passivated steel, silk-screened black lettering.
Dimensions	44 mm x 480 mm x 230 mm.
Supplied accessories	Matching connectors for audio and control inputs / outputs.
Optional accessories	Instruction manual CPS-1211 10 button local control panel kit. CPS-1221 20 button local control button kit. CPS-1050 10 button remote control panel. CPS-1052 20 button remote control panel. CDC-3060 Serial control module, for interfacing to RS-232 or computer control systems.

Due to our policy of continuing development, these specifications are subject to change without notice.

Detailed specifications available from:

Manufacturer:
IRT Electronics Pty Ltd
26 Hotham Parade
ARTARMON
N.S.W. 2064 AUSTRALIA
Phone: +61 2 9439 3744
Fax: +61 2 9439 7439
Email: sales@irtelectronics.com

Local Agent:

IRT can be found on the Internet at:
<http://www.irtelectronics.com>