



EL-42SA

v1.3 HDMI 4 by 2 Switcher
with Analogue Audio Routing

OPERATION MANUAL





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1. Introduction

The EL-42SA switcher from the Elector Range, is compatible to v1.3 HDMI specifications, supporting up to 12 bit Deep Colour together with High Definition audio. This switcher features additional analogue audio inputs for each of the four HDMI inputs. It has dual HDMI output which can be separately configured for audio routing, either internal (HDMI audio) or external (analogue stereo audio).

2. Features

- v1.3 HDMI, HDCP 1.1 and DVI 1.0 compliant.
- HDMI 4 Way Switcher with 2 Identical Outputs and audio routing.
- Resolutions Supported: PC - VGA, SVGA, XGA, SXGA, UXGA & WUXGA (1920x1200). HDTV - 480i, 576i, 480p, 576p, 720p, 1080i, 1080p and 1080p24fps.
- High Definition Audio supported - Dolby TrueHD, Dolby Digital Plus and DTS-HD Master Audio plus LPCM.
- Auto signal enhancement feature can improve signal quality after long distance transmission.
- RS232 & IR Remote Control.
- Supports 'Deep Colour' (10 & 12 bit).
- Additional analogue stereo audio inputs for routing to HDMI outputs.
- Dual HDMI outputs for simultaneous connection to two HD Displays.
- Supports 3D signals.

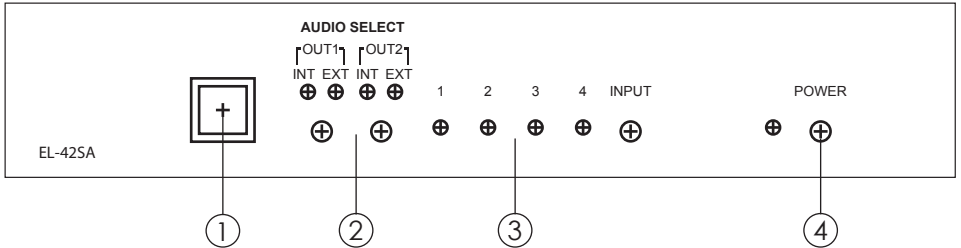
3. Package Contents

- EL-42S
- 5V DC power supply adaptor.
- Operation Manual.



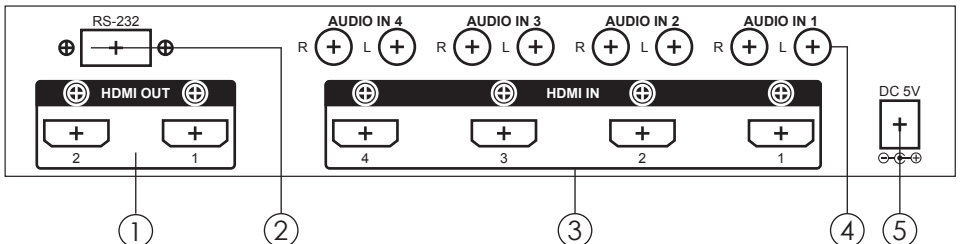
4. Operation Controls and Functions

4.1 Front Panel



1. Remote control sensor.
2. Audio Select: Allows user to select the desired audio output (either from R/L or HDMI input) with an HDMI input connection.
3. HDMI input Select/Indicator: Press the “Input” button sequentially to switch to your desired input (HDMI 1 to HDMI 4), the LED will turn on to indicate which input source is selected.
4. POWER Switch/Indicator: Press the “ POWER” button to turn the power on or off. The power LED will turn red when the power is turned on, and the LED will not switch on when the power is turned off.

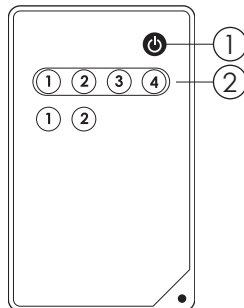
4.2 Rear Panel





1. HDMI Outputs 1 and 2: Connect each of the output ports to the HDMI display. When more than one output is connected, the HDMI outputs play an identical video signal.
2. RS-232: 9-pin D-Sub connector for connecting to your PC or other control console for remote control.
3. HDMI inputs 1 to 4: Connect each of the input ports to the HDMI or DVI output of your source devices such as DVD/Blu Ray players or set-top boxes.
4. Audio R/L inputs 1 to 4: Connect each of the input R/L input ports to the R/L output of your source device such as DVD/Blu Ray players or set-topboxes.
5. Power: Plug the 5V DC power supply into this unit and connect the adaptor to an AC outlet.

4.3 Remote Control



1. Power: Press the button to turn on/off the unit.
2. Direct input selector: Press 1, 2, 3 or 4 to select the desired input source.



5. RS232 Pinouts

EL-42S		Remote Control Console	
PIN	Definition	PIN	Definition
1	NC	1	NC
2	TxD	2	Rx
3	RxD	3	Tx
4	NC	4	NC
5	GND	5	GND
6	NC	6	NC
7	NC	7	NC
8	NC	8	NC
9	NC	9	NC

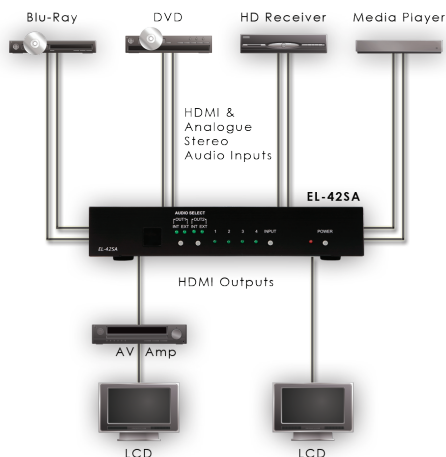
- EL-42S transmission format:
- Baud Rate: 9600 bps
- Data bit: 8 Bits Parity: None
- Stop Bit: 1 bit

6. Commands Sets

COMMAND	ACTION
"I" + "1"	PORT 1 ON
"I" + "2"	PORT 2 ON
"I" + "3"	PORT 3 ON
"I" + "4"	PORT 4 ON
"S" + "1"	ENABLE SIGNAL ENHANCE
"S" + "0"	DISABLE SIGNAL ENHANCE
"P" + "1"	POWER ON
"P" + "0"	POWER OFF



7. Connection Diagram



7. Specifications

Input Ports	4 x HDMI, 8 x RCA (4 x Analogue Stereo).
HDCP Version	v1.1
Output Port	2 x HDMI
HDMI Specification	v1.3
Frequency bandwidth	2.25Gbps
Power Supply	5V/2.6A DC (US/EU standards, CE/FCC/UL certified)
Dimensions (mm)	240 (W) x 104 (D) x 50(H)
Chassis Colour	Black
Chassis Material	Aluminium
Operating Temperature	Operating from 0°C ~ 48°C
Gross Weight (g)	1340
Net. Weight (g)	1080



Notes:



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v1.01

