



EL-42S

v1.3 HDMI 4 Way Switcher
with 2 Identical Outputs

OPERATION MANUAL





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1. Introduction

The EL-42S switcher allows the user to input four HDMI sources and switch between these sources to display HD content on 2 displays. This switcher can be controlled via the supplied remote control, RS-232, or by using the input switching button on the front of the device.

2. Features

- v1.3 HDMI, HDCP 1.1 and DVI 1.0 compliant
- HDMI 4 Way Switcher with 2 Identical Outputs
- 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)
- Dual HDMI outputs for simultaneous connection to two HD Displays
- Supports 3D signals
- Supports xvYCC

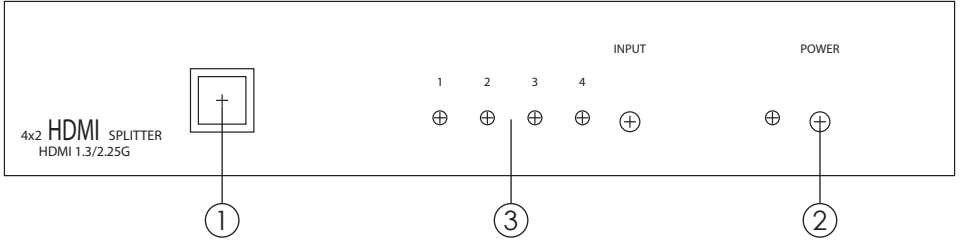
3. Package Contents

- 1 x Power Supply Unit
- 1 x Manual
- 1 x CR-23 Remote Control



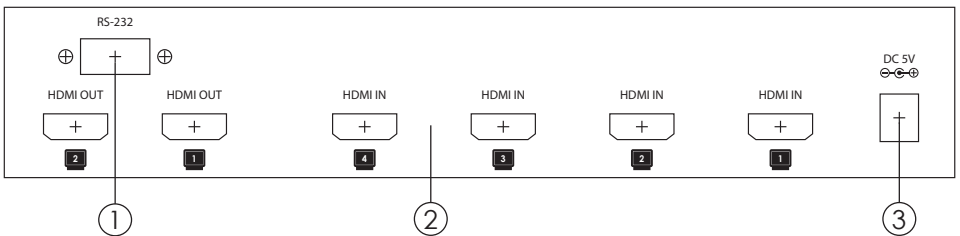
4. Operation Controls and Functions

4.1 Front Panel



1. Remote control sensor.
2. HDMI input Select/Indicator: Press the "Input" button sequentially to switch to your desired input (HDMI 1 to HDMI 4), the LED will illuminate to indicate which input source is selected.
3. POWER Switch/Indicator: Press the "POWER" button to turn on/off the power, the power LED illuminate in red colour means the power is turned on, when the LED not illuminate power is turned off.

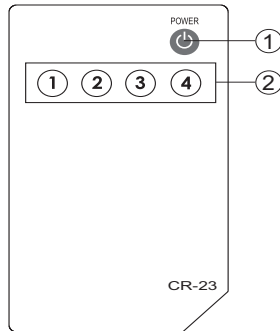
4.2 Rear Panel





1. HDMI Outputs 1 and 2: Connect each of the output ports to the HDMI display. When more than one output connected, the HDMI outputs play identical video signal simultaneously.
2. RS232: 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 equipment such as DVD player or set-top-box.
4. Power: Plug the 5V DC power supply into this unit and connect the adaptor to AC wall 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:

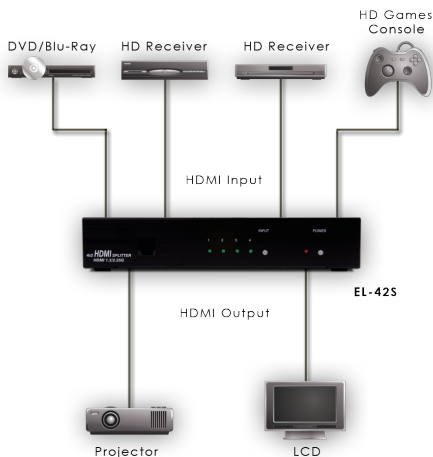
- Baud Rate: 9600 bps
- Data bit: 8 Bits Parity: None
- Stop Bit: 1 bit

6. Command Sets

RS 232 COMMAND	Operation
POWER 00	Select Power OFF
POWER 00	Select Power OFF
PORT 01	Select port 1
PORT 02	Select port 2
PORT 03	Select port 3
PORT 04	Select port 4



7. Connection Diagram



7. Specifications

Frequency bandwidth	2.25Gbps (single link)
Input Ports	4 x HDMI female ports
HDCP Version	v1.1
Output Port	2 x HDMI female ports
Remote Control	Discrete IR remote
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 ~ 40°C
Gross Weight (g)	820
Net. Weight (g)	600



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