4K@60 HDMI Switcher 4×1

HSW41A

User manual

VER:1.1

Thank you for purchasing this product. For optimum performance and safety, please read these instructions carefully before connecting, operating or adjusting this product. Please keep this manual for future reference.

I. Introduction

This is a high performance HDMI 4x1 switcher that supports HDTV formats up to 4Kx2K@60Hz and all HDMI 3D TV formats. It can extract HDMI stream audio to separate digital and analog audio output. This product supports HDCP repeater/CEC/ARC functions. Select any of the inputs by front panel button or IR Remote, the corresponding indicator LED on the front panel will be illuminated.

II. Package

- 1 x HDMI 4x1 Switcher
- 1 x 5V/1A Power Adapter
- 1 x 38KHz IR Rx cable

- 1 x Optical convert header (for SPDIF audio output)
- 1 x HDMI 4x1 IR Remote
- 1 x Operation Manual

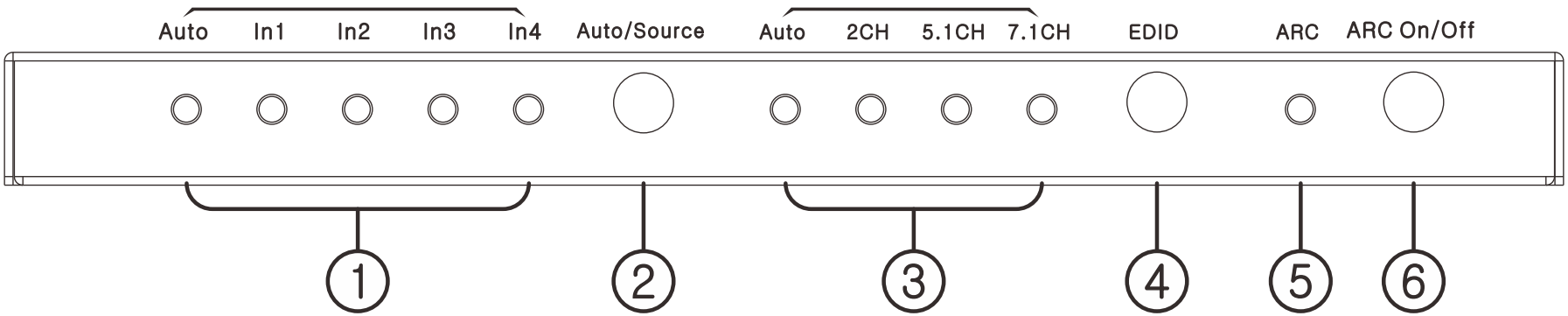
III. Features

- Compliant with HDMI 2.0a, DVI 1.0 standards.
- HDCP 2.2 and HDCP 1.4 compliant.
- Video formats up to 4Kx2K@60 and all HDMI 3D video formats.
- Support PCM, Dolby TrueHD, DTS-HD Master Audio up to 7.1CH
- Digital and analog audio output
- Support smart EDID management(Auto/2CH/5.1CH/7.1CH selectable)
- Support input port auto switching or manual switching mode
- Audio Return Channel (ARC) supports

IV. Specifications

Frequency Bandwidth	18Gbps
Input Ports	4 HDMI Female ports, 1 IR Receive port and 1 RS232 port
Output port	1 HDMI Female port and 1 L/R & Optical port
HDMI Audio Output	PCM2.1/5.1/7.1CH, Dolby 5.1, DTS5.1, Dolby-TrueHD, DTS-HD
ESD Protection	Human Body Model:± 8kV (air-gap discharge) ± 4kV (contact discharge)
Dimensions (mm)	180 (D) x 85 (W) x 11.6 (H)
Weight (g)	300
Power Consumption	Max 2.5W
Operating Temperature	0˚C ~ 40˚C / 32˚F ~ 104˚F
Storage Temperature	-20˚C ~ 60˚C / -4˚F ~ 140˚F

V. Switcher Operation controls and Functions



Front Panel:

① Input indicator LED, corresponding port LED will be illuminated when its port be selected.

② Auto or manual select button:

Press this button >2 seconds to select auto switching or manual switching mode.

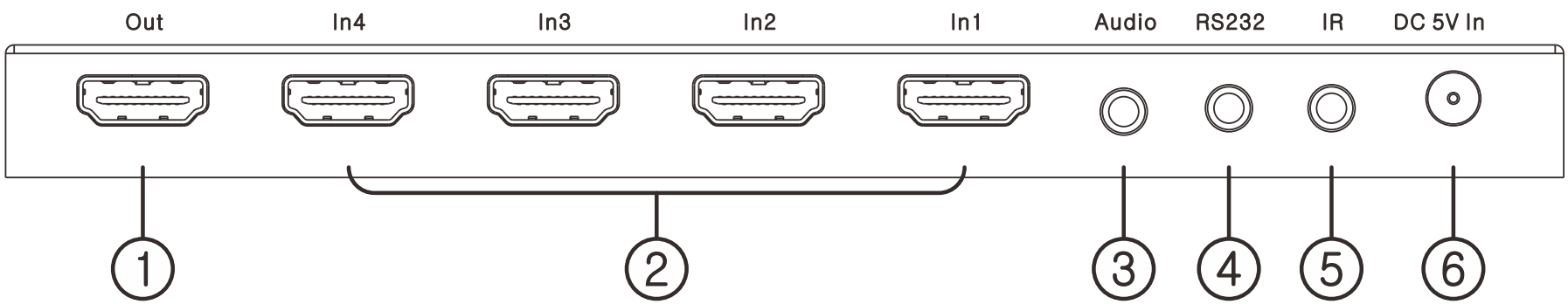
Under manual switching mode, short pressing this button to select input port.

③ EDID status LED (Auto means using TV EDID).

④ EDID select button (Press this button to select EDID mode Auto/2CH/5.1CH/7.1CH)

⑤ ARC status LED (this LED will be illuminated if ARC is enabled successfully)

⑥ ARC function on/off button



Rear Panel:

① HDMI output port, connect with HDTV or monitor by HDMI cable

② HDMI input ports, connect with DVD, PS4 or Set-top Box by HDMI cable

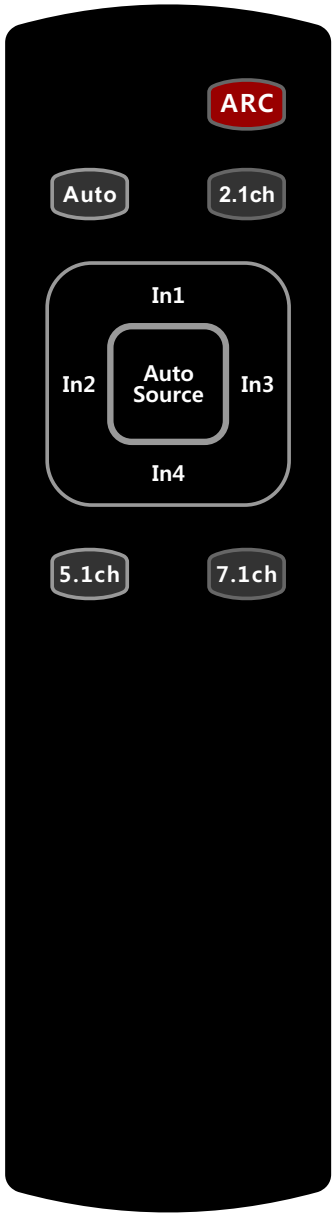
③ Audio output (including L/R analog and optical audio out)

④ RS232 port

⑤ IR receiver port

⑥ DC 5V input port

VI.IR Remote



ARC	Press this button to enable or disable ARC function. ARC LED on front panel will be illuminated if ARC function is enabled successfully.
Auto 2.1ch 5.1ch 7.1ch	Press these buttons to select different EDID setting and corresponding LED on front panel will be illuminated.
Auto Source	Press this button to select auto switching or manual switching mode.
In1 **In2** **In3** **In4**	Under manual switching mode, press this button to select input port.

VII. Application Example

