VigilLink

VLSW-41H20R

4X1 HDMI2.0 Switch with Audio ARC 18Gbps

User Manual

VER 1.1

Thank you for purchasing this product.

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

I. Introduction

This high-performance HDMI 4x1 switcher 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 inputs by the front panel button or IR Remote; the corresponding indicator LED on the front panel will be illuminated.

2. Package

- ➢ 1 x HDMI 4x1 Switcher
- ➢ 1 x 5V/1APower Adapter
- ➢ 1 x 38KHz IR Rx cable
- ➢ 1 x Optical convert header (for SPDIF audio output)
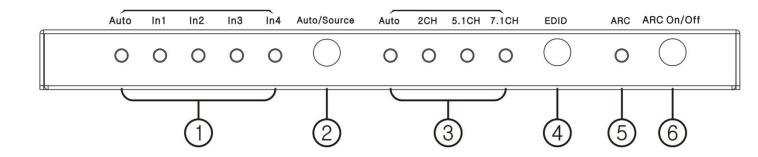- ➢ 1 x HDMI 4x1 IR Remote
- ➢ 1 x Operation Manual

3. 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

➤ Supports PCM, Dolby TrueHD, DTS-HD Master Audio up to 7.1CH

➤ Digital and analog audio output

➤ Supports innovative EDID management (Auto/2CH/5.1CH/7.1CH selectable)

➤ Supports input port auto-switching or manual switching mode

➤ Audio Return Channel (ARC) supports

4. Specifications

Technical	
Frequency Bandwidth	18Gbps
HDCP Compliance	HDCP 1.4, 2.2
ESD Protection	Human Body Model: ± 8kV (air-gap discharge) ± 4kV (contact discharge)
Connection	
Input Ports	4 HDMI Female ports, 1 IR Receive port and 1RS232 port
Output Ports	1 HDMI Female port and 1 L/R & Optical port
HDMI Audio Output	PCM2.1/5.1/7.1CH,Dolby5.1, DTS5.1, Dolby-TrueHD, DTS-HD
Mechanical	
Dimensions (mm)	180 (D) x85 (W) x 11.6 (H)
Weight	300g
Power Consumption	Max 2.5 W
Operating Temperature	0˚C ~ 40˚C / 32˚F ~ 104˚F
Storage Temperature	-20˚C ~ 60˚C / -4˚F ~ 140˚F

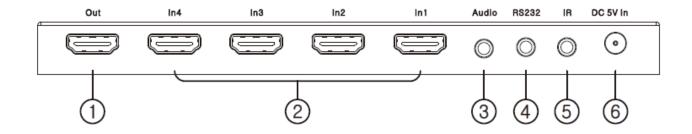# 5. Switcher Operation controls and Functions

Front Panel:

☐ Input indicator LED, the corresponding port LED will be illuminated when

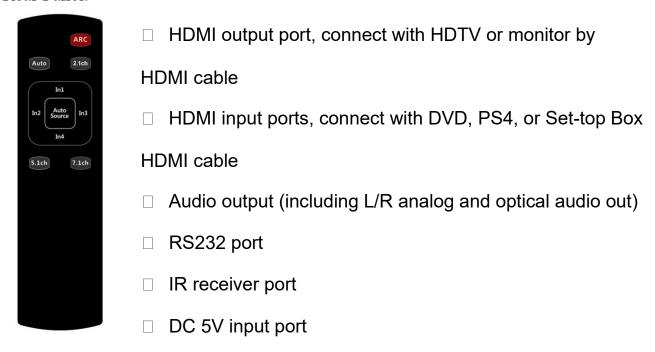its port is selected.

☐ Auto or manual select button:

Press this button for>2 seconds to select auto-switching or manual

switching mode.

Under manual switching mode, short pressing this button to select the

input port.

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

☐ EDID select button (Press this button to choose EDID mode

Auto/2.1CH/5.1CH/7.1CH)

☐ ARC status LED (this LED will be illuminated if ARC is enabled

successfully)

☐ ARC function on/off button

Rear Panel:

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

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

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

☐ RS232 port

☐ IR receiver port

☐ DC 5V input port

6. IR Remote

ARC: Press this button to enable or disable the ARC function. ARC LED on the front panel will be illuminated if the ARC function is enabled successfully.

Auto/2.1ch/5.1ch/7.1ch: Press these buttons to select different EDID settings, and the corresponding LED on the 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 the input port.

7. Application Example

DVD or Blu-ray Player

PS4

PC

Set-top box

Power Supply

Out   In4   In3   In2   In1   Audio   RS232   IR   DC 5V In

TV

STB

5.1 Sound