# 4 Input HDMI Switcher

# AC-1709



# User manual

**I. Introduction**

This is a high performance 4x1 HDMI switcher, with features such as ARC, EDID and CEC. It supports HDCP repeater functions and fast switching between any of the Four HDMI ports. The system supports all 3D TV formats in addition to all HDTV formats up to 4Kx2K. Furthermore, the remote control gives uses complete control over the selection of sources and makes the device incredibly user friendly.

**II. Features**

Compliant with HDMI 1.4a, CTS 1.4a, DVI 1.0 & VESA DisplayPort 1.1a standards.

HDMI 1.4 support: Audio Return Channel(ARC), 3D TV support, CEC1.4. HDCP repeater

Support 3D Video & 4Kx2K, 8, 10, 12 & 16 bits per color depth.

Audio support:

Dolby TrueHD, DTS-HD Master Audio 7.1CH

Full audio input and output support

**III. Package**

HDMI 1.4 4x1 Switcher

5V DC Power Supply Adaptor

Remote control

Operation Manual

**IV. Specifications**

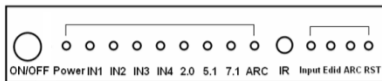| | |
|---|---|
| Frequency Bandwidth | 2.97Gbps |
| Input Ports | 4 x HDMI Female ports. |
| Output port | 1 x HDMI Female port, 1x Toslink, 1 x 3.5mm stereo socket |
| HDMI Audio Output | PCM2, 5.1, 7.1CH, Dolby 5.1, DTS5.1, D-TrueHD, DTS-HD |
| Power Supply | DC 5V 1A |
| ESD Protection Human Body Model: $\pm$ 8kV (air-gap discharge) - $\pm$ 4kV (contact discharge) |
| Dimensions (mm) | 190(D) x82 (W) x 26(H) |

**V. Operation controls and Functions**

**Front Panel**

**ON/OFF:** Power on/off switch.

**POWER LED:** This red LED illuminate when the device is connected to power & switched on.

**IN1/2/3/4 LED:** One LED will illuminate when a selected input is being used.

**2.0/5.1/7.1 LED:** One LED will illuminate when a selected audio EDID format is being used. Or no LEDs will illuminate when "Auto" is selected.
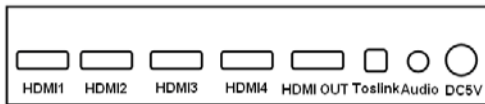
**IR:** Remote control receiver.

**Input Button:** Press this button to select the input source.

**EDID BUTTON:** Press this button to select either 2.0CH, 5.1CH, 7.1CH or Auto audio output.

**ARC BUTTON:** Press this button to turn the ARC function On or Off.

**RST BUTTON:** Press this button to reset the unit to Default Mode. i.e. Input "IN1" selected, Audio format 2.0CH & ARC is function off.

**Rear Panel**



**HDMI Inputs:** These sockets connect to a HDMI source output i.e. from a DVD player, Game console, etc.
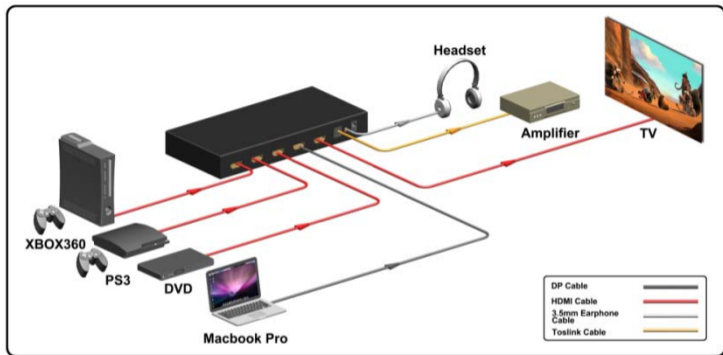
**HDMI Output:** This socket connects to a HDTV or monitor with HDMI cable.

**3.5mm Stereo (Analogue) Audio output:** This socket outputs the extracted audio signal from the selected HDMI source in analogue format; connect a 3.5mm plug to audio receiver.

**Toslink (Digital) output**: This socket outputs the extracted audio signal in analogue format from the selected HDMI source; connect a Toslink plug to audio receiver.

**DC IN:** Plug the 5V DC power supply into the unit and connect the adaptor to an AC wall outlet.

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## VI. Application Example

**VII. Remote control**

**IN1, IN2, IN3, IN4**: Press any numbered 'IN'put button, the corresponding input will be selected.

**ARC:** Press this button to turn the ARC function On or Off.

**2.0CH**: Press this button to select the 2 channel (stereo) audio output mode.

**5.1CH**: Press this button to select the 5.1 channel audio output mode.

**7.1CH**: Press this button to select the 7.1 channel audio output mode.

**Auto**: Press this button so the unit Auto configures audio output format.

**Audio Return Channel (ARC) Function Note;** Both TV and Audio System connected needs to have ARC function. If your devices do not support ARC, you cannot use the ARC function. When ARC function is on, the Toslink or 3.5mm socket of the switcher will output the Audio from the TV to your Audio System. When Off, it will output the switchers input audio instead.

**IMPORTANT:**

- Never attempt to open, repair or modify any part of this unit or its accessories.

- Never get any part of the device or its accessories wet.

- Failure to adhere to these points will result in a void of warranty.