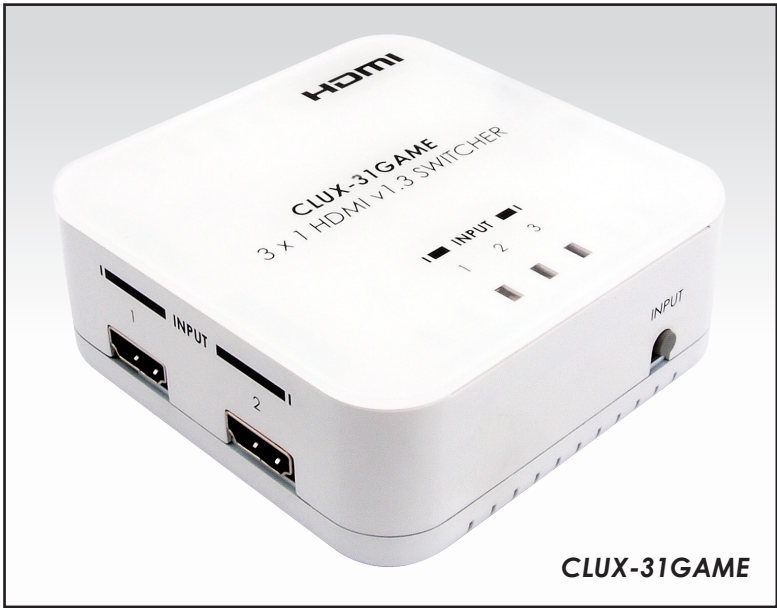


CLUX-31GAME

HDMI v1.3 3 by 1 Switcher

Operation Manual



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Version 1.0 December 2009

• **Trademark Acknowledgments**

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• **Safety Precautions**

Please read all instructions before attempting to unpack or install or operate this equipment, and before connecting the power supply. Please keep the following in mind as you unpack and install this equipment:

- Always follow basic safety precautions to reduce the risk of fire, electrical shock and injury to persons.
- To prevent fire or shock hazard, do not expose the unit to rain, moisture or install this product near water.
- Never spill liquid of any kind on or into this product.
- Never push an object of any kind into this product through module openings or empty slots, as you may damage parts.
- Do not attach the power supply cabling to building surfaces.
- Do not allow anything to rest on the power cabling or allow it to be abused by persons walking on it.
- To protect the equipment from overheating, do not block the slots and openings in the module housing that provide ventilation.

• **Revision History**

<i>Version No</i>	<i>Date</i>	<i>Summary of Change</i>
<i>V1</i>	<i>20091204</i>	<i>Preliminary release</i>

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1. Introduction

This three inputs and one output HDMI switcher eases user with multi HDMI sources to be connected together for leisure selection favorites. CEC & EDID bypass functions leave user with simple single touch to switch on or off both source and display instantly & display with its original best resolution. This switcher is also DVI compatible with converter connector.

2. Applications

- PS3 & X-Box gaming display
- Showroom display control
- Educational demo
- Installation usage
- Advertising display

3. Package Contents

- 3 by 1 HDMI v1.3 Switcher
- Operation Manual
- Power adaptor (Option)

4. System Requirements

Input source equipment with HDMI cable and output display with HDMI cable.

5. Features

- HDMI v1.3, HDCP 1.1 and DVI 1.0 compliant
- Supports 30/36 bits color depth display
- Supports High Definition audio – Dolby Digital TrueHD and DTS-HD
- Auto Signal Enhancement feature that can improve signal quality after long distance transmission
- Push-Button-Switching and Auto-Switching
- LED indicators for input selection
- Ideal for home theater integration and game console installation
- CEC and EDID bypass
- Supports high resolution input:
PC: VGA, SVGA, XGA, SXGA, UXGA (1600 x 1200) and 1920 x 1200
HDTV: 480i, 480p, 576i, 576p, 720p, 1080i and 1080p
- Easy to install and to operate

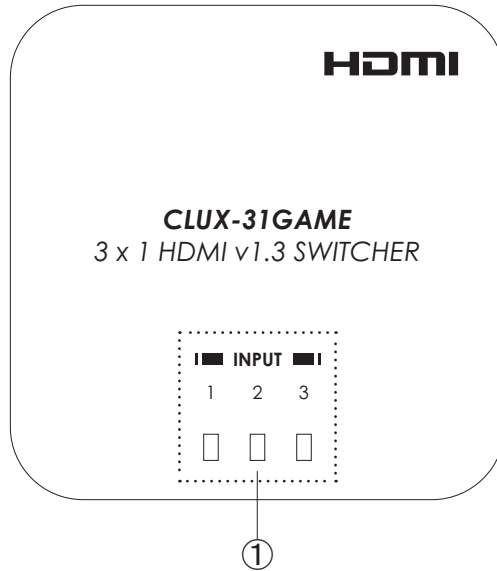
6. Specifications

Frequency Bandwidth	2.25Gbps (single link)
Input Ports	3 x HDMI Female Ports (Type A Connector)
Output Port	1 x HDMI Female Port (Type A Connector)
Power Supply	Power over mini USB
ESD Protection	Human body model: $\pm 8\text{kV}$ (air-gap discharge) $\pm 4\text{kV}$ (contact discharge)
Dimensions (mm)	100(W) x 70(D) x 20(H)
Weight(g)	90
Chassis Material	Plastic
Silkscreen Color	White
Power Consumption	2.5W
Operating Temperature	0°C ~ 40°C / 32°F ~ 104°F
Storage Temperature	-20°C ~ 60°C / -4°F ~ 140°F
Relative Humidity	20~60% RH (non-condensing)

7. Operation Controls and Functions

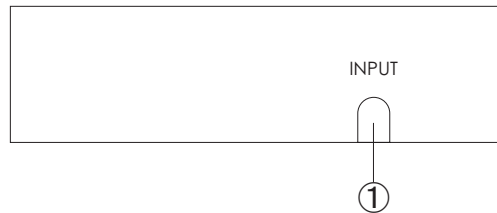
The following sections describe the hardware components of the unit.

7.1 Top Panel



- ① Input LED indicators: Press the INPUT button repeatedly to switch to your desired source and the LED will illuminate to indicate which input source is being selected.

7.2 Front Panel



- ① INPUT switch: Press the button repeatedly to switch to your desired input source.

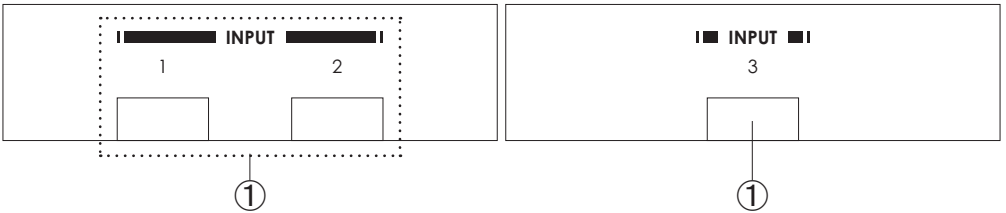
Push-Button-Switching and Auto-Switching

AT any time, you can press the INPUT button to cycle between the inputs, this is the manual operation which has the highest priority above all others. While the unit is also featured with auto-switching, for user's convenience. Every time when a new source is plugged into any input port of the unit, or an already connected source is powered on, the input selection will be set on this latest activated source automatically.

Last Memory

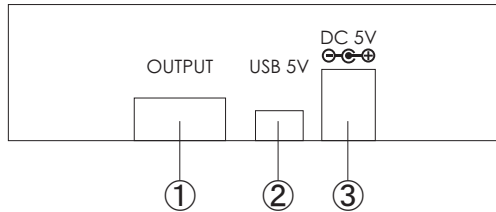
The unit will remember the last selected input port before powered off, and will set to the same number the next time it is powered on.

7.3 Side Panel



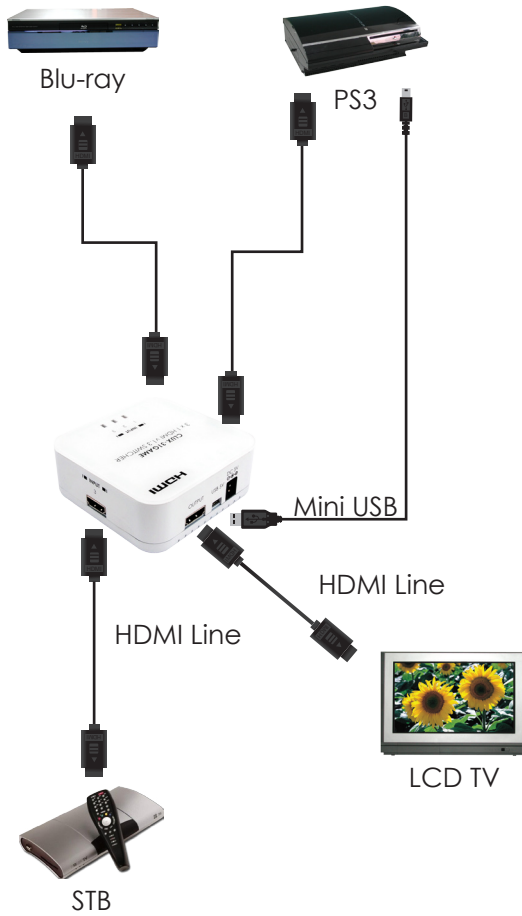
- ① HDMI inputs: Connect to the HDMI output port of your source equipments such as DVD Player or game console.

7.4 Rear Panel



- ① HDMI output: Connect to the HDMI display.
- ② USB 5V: Connect to computer or PS3 or X-Box with USB cable, for power supply.
- ③ DC 5V (optional): This device can be powered by USB, without other electrical source. Only when there is no USB connection, you will need to plug in a 5V DC power supply adaptor to power the unit.

8. Connection and Installation



Acronyms



Acronym

Complete Term

CEC	Consumer Electronics Control
DVI	Digital Visual Interface
EDID	Extended Display Identification Data
HDCP	High-bandwidth Digital content protection
HDMI	High-Definition Multimedia Interface



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20091210 MPM-CLUX31 GAME