

4x4 HDMI Matrix Switcher

I Introduce:

This unit is a full routing type 4-by-4 HDMI matrix. It allows any source (Blue-Ray player, HD DVD player, satellite receiver, game system, etc.) to be shown on any display no matter the source is HDCP or not. Extra infrared receiver extension, RS232 port and CAT5e port are supplied for remote control. It has the ability of equalization and amplification to ensure HDMI signal's transmission through long cable without quality loss. It offers solutions for digital entertainment center, HDTV retail and show site, HDTV, STB, DVD and Projector factory, noise, space and security concerns, data center control, information distribution, conference room presentation, school and corporate training environments.

II Features

1. Easy to Use: Install in seconds, no need for setting.
2. Allows up to four HDMI video devices to be independently switched to four HDMI monitors, HDTVs or projectors.
3. The four outputs could show the same or different source at the same time no matter the source is HDCP or not
4. Audio: LPCM, Dolby-AC3, DTS7.1, DSD/Dolby TrueHD/DTS-HD master Audio; HDMI video color format: deep color 24bit/36bit;.
5. Support high definition resolutions 1080p, 1080i, 720p and standard video format.
6. Operation modes IR remote, RS232 and manual .
7. With extra infrared receiver extension.
8. True HDMI V1.3b and HDCP compatible.
9. Max transmission: 10 meters by 28AWG cable, 15 meters by 26AWG cable.

III Package Contents

1. 4*4 HDMI matrix.
2. Power Supply, 12VDC

3. User Manual.
4. Remote control.
5. IR extension cable.

IV Technical Parameters

Operating Temperature Range: -5 to +35°C (-41 to +95 °F)

Operating Humidity Range: 5 to 90 % RH (no condensation)

Input Video Signal: 0.5-1.0 volts p-p Input DDC Signal: 5 volts p-p (TTL)

Video Format Supported VGA: 640x480,800x600,1024x768,1280x1024

DTV/HDTV:1080P/1080i/720P/576P/480P/576i/480i

Output Video:HDMI+HDCP1.0/1.1

Power Supply: 12V DC, 3A;

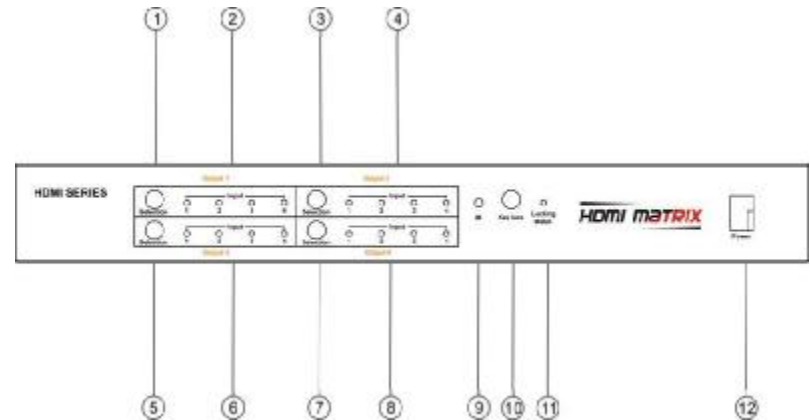
Maximum transmission distance: 10m with 26AWG HDMI cable, and 10m more with 24AWG HDMI Cable (if needed, HDMI extender is optional);

Dimension: 440 x 57 x 200mm

Net weight:2.9kg

V Panel Descriptions

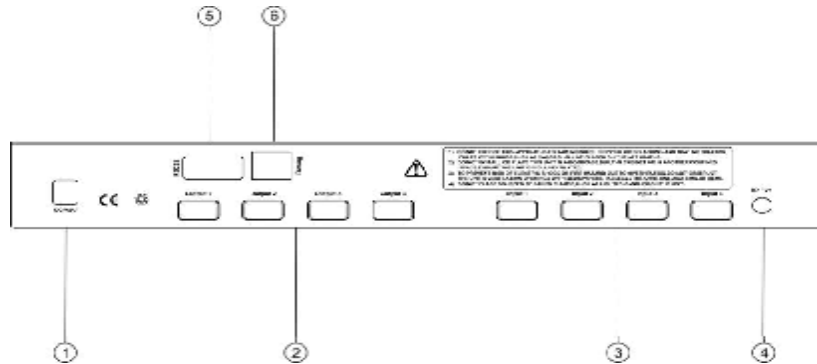
Front Panel



1. Output1 selection.
2. Output1 indicator.
3. Output2 selection.
4. Output2 indicator.

5. Output3 selection.
6. Output3 indicator.
7. Output4 selection.
8. Output4 indicator.
9. IR window.
10. Key lock button.
11. Indicator of locking status, when the output selection buttons are locked, LED inside lit.
12. Power Switch. Pushing up is on, LED inside lit.

Rear Panel



1. Power input.
2. Input ports 1 to 4.
3. Output ports 1 to 4.
4. IR extension.
5. RS232 port.
6. Debug port.

VI Connection Operation

1. Connect the HDMI input sources (such as HD-DVD, PS3, STB etc) into products.
2. Connect the HDMI outputs (such as HD-LCD, HD-DLP) into this unit.
3. Power on the input source you want to show. (Keep the unused input power off, otherwise it may interfere the normal display.)
4. Connect the power supply into this unit and turn on the display you want to watch.
5. Use remote or push the button to choose input source.
6. The output selection buttons will be locked when idle for 60 seconds. The key lock

button is used to release the locking status.

Attention:

1. This equipment has memory function. When restarting this machine, input selection would stay as it was selected before.
2. Insert / Extract cables gently.
3. Take the HDMI interface carefully.

VII Typical Application

