

Description	Specifications
Model	HDMX44-V1.3
HDMI Inputs	4
HDMI Outputs	4
Version	1.3
HDCP	Yes
IN/Out Connectors	19 pin HDMI female type-A
RS-232 control port	1
Display Selection	Remote, Manual, Smart Scan
Video Resolution	480 P, 720 I/P, 1080 I/P
Video Data Rate	6.75 Gbps
Deep Color Support	Yes
Vertical Frequency Scan Rate	24 / 50 / 60 Hz
Dimension	14.93 x 6.30 x 1.67 inch (379.2 x 160.1 x 42.3 mm)
DC adapter (included)	9VDC, 2.0A
Rackmount capable	1RU, Rack mounts included
Remote control (IR)	Infrared, Discrete code



For Questions and support:

Email : info@octavainc.com

URL: www.octavainc.com

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PRO HD HOME THEATER SERIES



V 1.3
Deep Color

Installation Guide

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1 RU Rackmount :

The Octava 4x4 HDMI Matrix Switch can be installed in a 1 RU rack by simply installing the rack mounts included.



Disabling / Enabling IR Remote Control Receiver:

To enable the IR receiver- remove the plastic plug from the IR jack as shown above.

To disable the IR receiver- insert the plastic plug into the IR jack as shown above.



IR disabled



IR enabled

RS232 Command Table

A-General

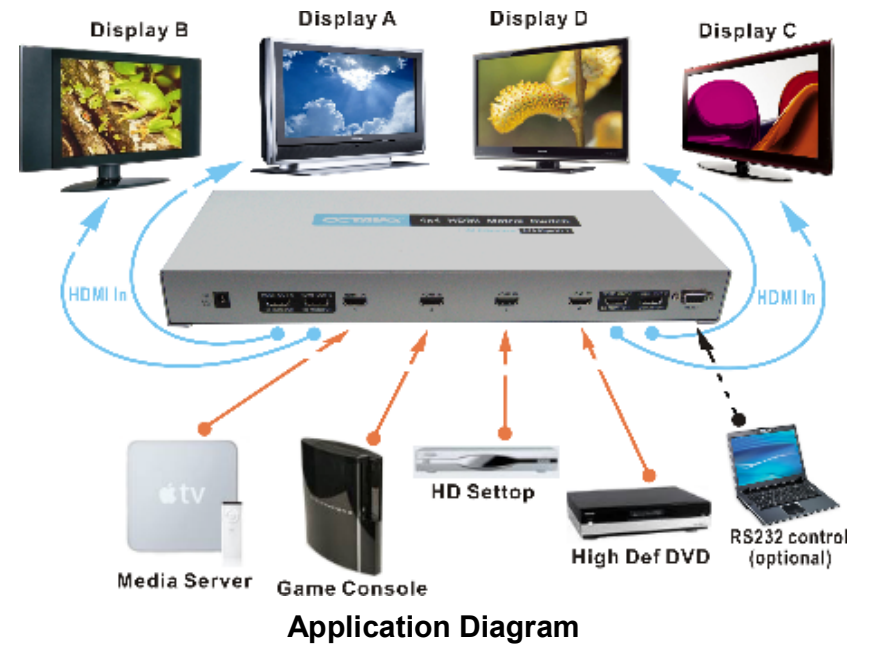
ASCII	Binary	Function Selection
1	0011 0001	Port Status
2	0011 0010	Switch Control
3	0011 0011	Turn ON LED
4	0011 0100	Turn OFF LED
5	0011 0101	Turn ON Power
6	0011 0110	Turn OFF Power

B-Output Select

ASCII	Binary	Function Selection
0	0011 0000	EXIT
1	0011 0001	Control Output Port A
2	0011 0010	Control Output Port B
3	0011 0011	Control Output Port C
4	0011 0100	Control Output Port D

C-Input Select

ASCII	Binary	Function Selection
1	0011 0001	Select to Input port 1
2	0011 0010	Select to Input port 2
3	0011 0011	Select to Input port 3
4	0011 0100	Select to Input port 4



Installation:

- 1) Connect the Monitor to the HDMI OUT A
- 2) Connect the second monitor/projector to HDMI OUT B
- 3) Connect the HDMI sources to the HDMI INPUTS
- 4) Turn On your HDTV and at least 1 HD source
- 5) Connect the DC power adapter

Clear EYE™:

Our proprietary **Clear EYE™** transmission line and ISI reduction design will IMPROVE the digital video signals caused by transmission degradations.

Smart Scan™:

Octava's HDMI switch with **Smart Scan™** saves you the hassle of fumbling with multiple remote controls. Simply power on the HDMI source you want to view and the HDMI switch will automatically switch to the correct port. If no HDMI sources are on, then the switch will go into standby mode.

Configuring Smart Scan™:

In the event that you wish to disable the Smart Scan feature please follow these steps:

- 1) Turn On your HDTV and at least 1 HD source. Make sure LED is ON.
- 2) Press the manual pushbutton on the front of the unit for ~ 5 seconds until the LED flashes.

You can turn the Smart Scan feature back on by simply recycling the power to the switch. This will enable the Smart Scan feature.

Description:

The **Octava 4x4 HDMI Matrix Switch** allows you to route 4 HD sources to any 4 HD displays! The 4x4 HDMI matrix allows 256 viewing combination of 4 HD sources on 4 HDTVs. You can create Picture By Picture or even have the SAME picture on all 4 HD screens. The 4x4 HDMI Matrix switch is a complete HD routing solution for whole home HDTV systems.

The **Octava 4x4 HDMI Matrix** is **Full 1080P, V1.3** compatible.

Our proprietary **Clear EYE™** transmission line and ISI reduction design will IMPROVE the digital video signals. **Smart Scan™** algorithm intelligently selects the correct HDMI source so you can enjoy the program instead of fumbling with the remote. Approved by Wives and Kids!

RS232 Controls:

The Octava 4x4 HDMI Matrix Switch can be easily integrated with 3rd Party control systems via RS232 control. The following shows the control protocol for controlling the HDMX44.

1. Baud rate=9600
2. Data bits=8
3. Parity check=None
4. Stop bits=1
5. Flow Control=None

Controlling the HDMX44 via RS232 can be done by send a series of commands per the **RS232 Command Table**

Example 1 :

To Turn OFF the LED.

- 1) Send ASCII 4 (see Table A- General)

Example 2 :

Switch Output C to view Input 3.

Send ASCII 2(to control switch. See Table A- General)
Send ASCII 3 (to select Output B. See Table B-output select)
Send ASCII 3 (to select Input 3. See Table C-Input select)

Basic Quick Start:

Use the remote control to select the Display that you wish to control followed by the Input (DVD, Settop) that you wish to watch.

For example:

-Pressing **Display B**, “2” will switch Input 2 to HDMI Out B.

-To connect **DIPLAY A to IN1 and DISPLAY B to IN3** you simply follow this sequence

Step 1) **Display A, 1 (this will set Display A to Input 1)**

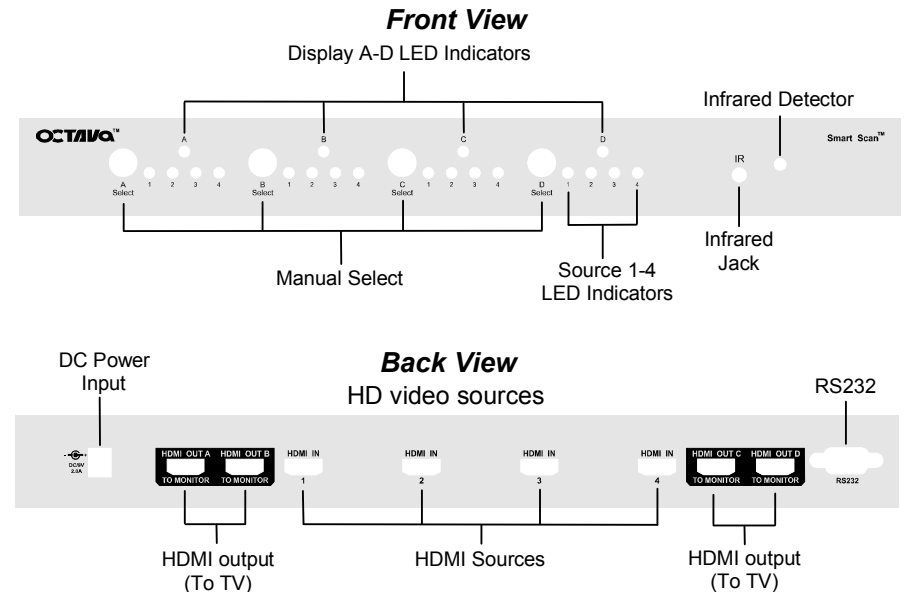
Step 2) **Display B, 3 (this will set Display B to Input 3)**

Here are some more examples:

Output Selection (Step 1)	Input Selection (Step2)	Result
DISPLAY A	“2”	Display A switches to Input 2
DISPLAY B	“1”	Display B switches to Input 1
DISPLAY C	“2”	Display C switches to Input 2
DISPLAY D	“1”	Display D switches to Input 1
DISPLAY A	“+”	Display A increments to next available Input
DISPLAY B	“-”	Display B decrements to next available Input
DISPLAY C	“+”	Display C increments to next available Input
DISPLAY D	“-”	Display D decrements to next available Input

Features:

- Watch ANY 4 HD programs simultaneously on 4 Displays!
- **V1.3, 1080P**
- 4 HDMI inputs, 4 HDMI outputs.
- Matrix allows 256 viewing combinations
- 1 RU mountable
- RS-232 control
- Works with HDMI or DVI-D, HDCP-enabled HDTV
- Supports high resolution video 480P, 720I/P, 1080I/P
- **Clear EYE™** design optimizes HDMI signal transmission
- Easy to switch 4 HDMI or DVI-D sources to 4 displays.
- **Smart SCAN™** algorithm intelligently selects the correct input. Approved by Wives and Kids!
- Remote Control (IR) included. Discrete Code allows direct channel control.
- External IR Jack for extension



Short Cuts:

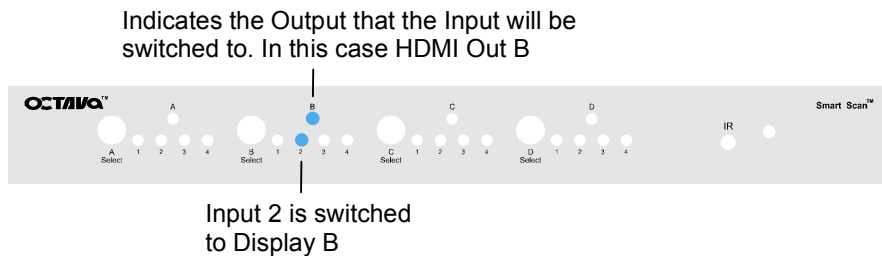
The Octava 4x4 HDMI Matrix Switch offers several “short cuts” with the remote control for the most common scenarios.

Number of HDMI Sources ON	Short Cut	How
1	Switch picture between Display A~D.	Press A or B or C or D
2	Swap the 4 HD video sources between Display A~D.	Press + or -
3-4	Cycle thru all the HD picture combinations on the display(s)	Press + or Press -

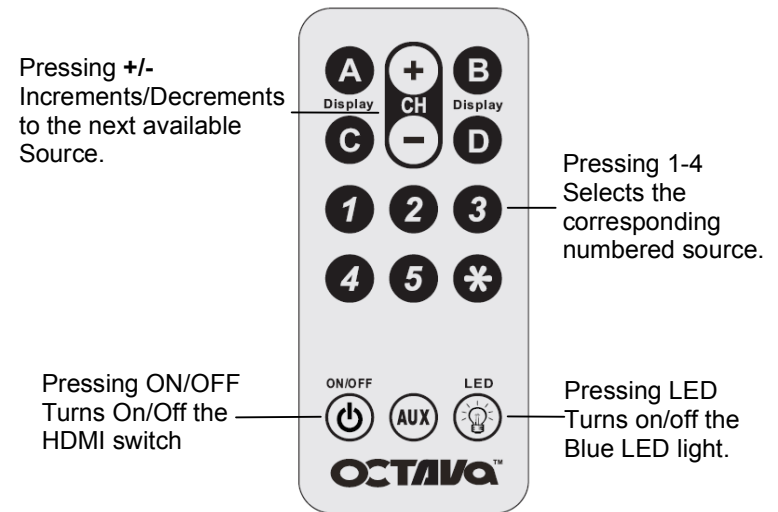
LED Indication:



The Output LED indicates the OUTPUT that is selected (high priority).

For example, if the OUTPUT B LED is ON, then pressing channel buttons will switch the inputs to OUTPUT B.



Remote Control Guide:



Button	Function	Notes
+ , -	Increments/Decrements to the next available Source	
1,2,3,4	Selects the corresponding numbered source.	
	Turns ON/OFF the LED light.	
	Turns ON/OFF the HDMI switch	
Other	Not used	

Octava’s Remote control uses discrete code so can be easily integrated with most Universal Remote Controls such as Logitech’s Harmony.