

Description	Specifications
Model	HDMI42CS-V1.3
HDMI Inputs	4
HDMI Outputs	2
Version	1.3
IN/Out Connectors	19 pin HDMI female type-A
HDCP	HDCP pass thru
Display Selection	Remote, Manual, Smart Scan
Single Link Range	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	8.09 x 3.33 x 1 inch (205.5 x 84.5 x 25.4mm)
DC adapter (included)	9VDC, 500mA
Remote control (IR)	Infrared, discrete code.



**V 1.3**  
**Deep Color**

## Installation Guide

For Questions and support:

Email : [info@octavainc.com](mailto:info@octavainc.com)

URL: [www.octavainc.com](http://www.octavainc.com)

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### Disabling / Enabling IR Remote Control Receiver:

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

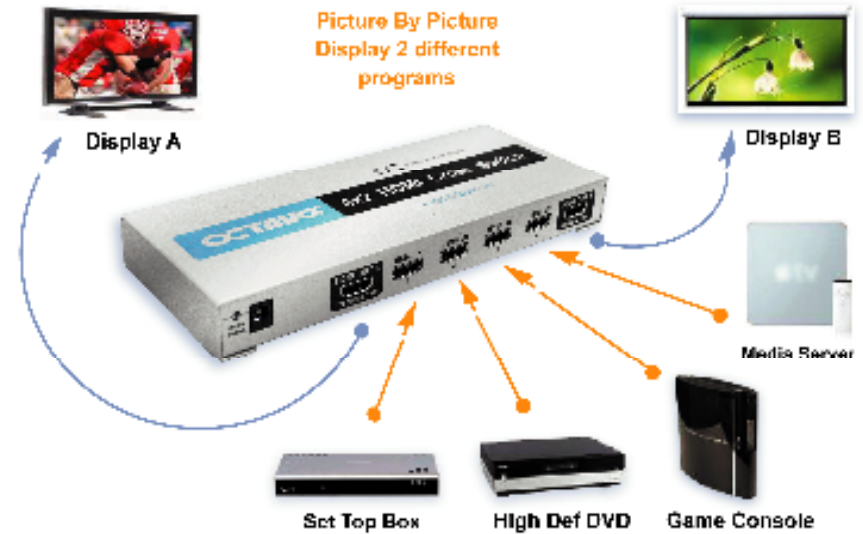
To disable the IR receiver- insert the plastic plug into the IR jack as shown above.



IR disabled



IR enabled



Application Diagram

### Description:

Watch 2 different HD programs simultaneously on 2 Displays! Or simply switch between your Plasma/LCD and the Projector. This unique 4x2 HDMI Cross switch allows you to switch between 4 HDMI sources and 2 HD displays simultaneously for Picture-By-Picture effects.

Perfect for theaters with Flat panel and Projectors!

*This unique product allows you to watch 2 different sources simultaneously. The switch does not support "mirrored" or "same" picture on both displays.*

## Features:

- Watch 2 different HD programs simultaneously on 2 Displays!
- 4 HDMI inputs, 2 HDMI outputs for Picture By Picture.
- 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 displays.
- **Smart SCAN™** algorithm intelligently selects the correct input.  
Approved by Wives and Kids!
- Backward compatible with DVI-D
- Remote Control (IR) included. Discrete Code allows direct channel control.

## 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.

## Short Cuts:

The Octava 4x2 HDMI Cross 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 and B.	Press A or B
2	Swap the 2 HD video sources between Display A and B.	Press + or -
3-4	Cycle thru all the HD picture combinations on the display(s)	Press + or Press -

***This unique product allows you to watch 2 different sources simultaneously. The switch does not support “mirrored” or “same” picture on both displays.***

In the event that you select Display A and Display B to display from the same Input source, the Input will be switched to the “High Priority” Display (indicated by the OUT A, OUT B LED)

For example, you press:

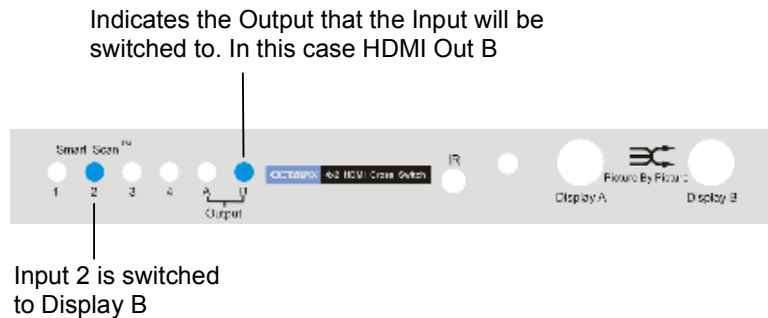
- 1) **Display A, 2**
- 2) **Display B, 2**

Input 2 will be switched to Display B because Display is now the High priority Output( indicated by the Out LED).

**LED Indication:**

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

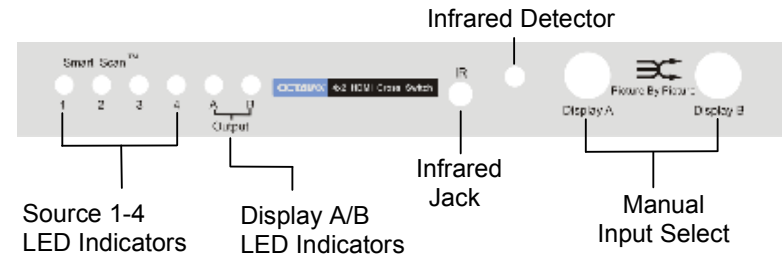
For example, if the OUTPUT B LED is ON, then pressing channel buttons will switch the inputs to OUTPUT B.



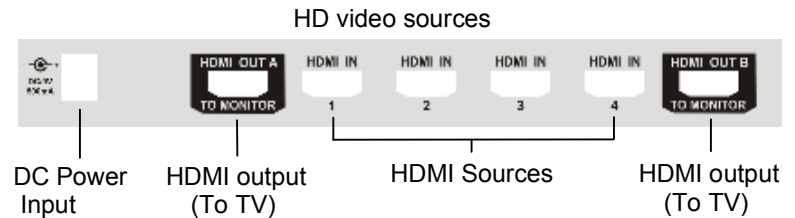
**Installation:**

- 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. (The LED should strobe during power up indicating power up)

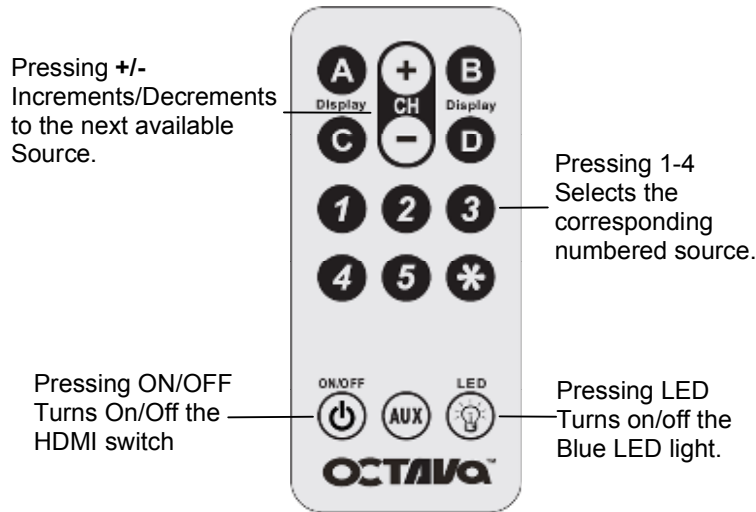
**Front View**





**Back View**



## 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.

## 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 A	"+"	Display A increments to next available Input
DISPLAY B	"-"	Display B decrements to next available Input