

## SPECIFICATION

<b>Model Number:</b>	AVS-HDMI21,41 (with Gain control)
<b>Description:</b>	2-in or 4-In 1-Out HDMI Switcher
<b>Performance:</b>	
HDMI Version Compliant	1.3
HDCP Compliant	Yes
Maximum Pixel Clock	25MHz to 225MHz
Maximum Data Rate	250Mbps to 2.25Gbps
Supported Audio TOSLink	Dolby TrueHD and DTS-HD Master Audio
HDTV Resolutions Supported	480i, 480p, 720p, 1080i, 1080p
Maximum PC Resolution	1600x1200 / 60 Hz
Max. Cable Distance at Input(s)	15 meters / 49.2 ft at 2.25Gbps
Max. Cable Distance at Output(s)	15 meters / 49.2 ft at 2.25Gbps

<b>I/O Connectors:</b>	
Input Port Connectors	4x 19pin Type A HDMI (Female)
Output Port Connectors	1x 19pin Type A HDMI (Female)
Input Selection	Front panel push button, or
IR Remote Angle	IR Remote Control Unit
IR Remote Range	15 degree
	10 meters / 32.8 ft.
Switching/Update Delay	High speed switching register 200ms
	All other configuration registers 1.5ms

<b>Mechanical:</b>	
Size (LxBxH)	8.3" x 4.7" x 1.1" (212 x 119 x 2.79 mm)
Product Weight	0.95 lbs. (431g)
Shipping Weight	1.65 lbs.(748g)

<b>Environmental:</b>	
Operating Temperature	+32° to +104° F. (0° to 40° C.)
Operating Humidity	
Storage Temperature	10% to 85%, Non-condensing
Storage Humidity	+20° to +140° F. (-20° to +60° C.)
	10% to 85%, Non-condensing

<b>Product Requirement:</b>	
External Power Supply	12V DC, 500mA
Power Consumption	6 Watts (Max)

<b>Accessories Included:</b>	
	1x IR Remote Control
	1x IR Receiver Probe (*optional)
	1x 12V DC, 500mA Power Adapter
	1x Operations Manual

**Notes:**  
To ensure optimum performance, you should use a HDMI™ cables (\*24 AWG) with this product.

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Model: AVS-HDMI41

# User Operation Guide

## PRODUCT DESCRIPTION

This switcher allows you to eliminate the hassle and costly wear and tear of swapping cables in switching HD sources. Simply plug all four sources into the switcher (\*with its equalized TMDS input it support a Max of 15 meter of input HDMI™ cable) and run a cable from the switch to your HDMI™ display (Max up to 15 meter at 2.25Gbps). By using the infrared remote (\*included), you can now easily switch between any of the four sources with the touch of a button.

## PRODUCT HIGHLIGHTS

- Supports data rates up to 2.25 Gbps, enabling 1080p deep color (12-bit color) HDMI formats, and greater than UXGA (1600 × 1200) DVI resolutions.
- Input cable equalizer and gain control enables the use of long cables at both the input and output end with the highest resolution possible.
- Featured with equalized TMDS inputs and pre-emphasized TMDS outputs, ideal for systems with long cable runs up to a Max 15meter at both input and output end.
- Compatible with all HDMI™-equipped, HDCP-enabled HDTV devices.
- Support all HDMI™ Version 1.3 receive-compliant solution.
- Discrete channel selection with IR remote control.
- Easy to install and simple to operate.

## PACKAGE CONTENTS



Model: AVS-HDMI21,  
AVS-HDMI41



User Manual



AC DC Adaptor  
12V DC 500mA

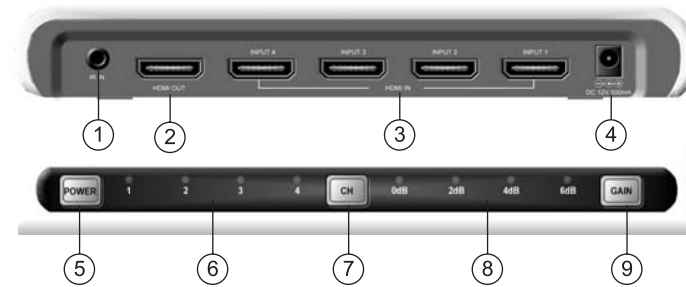


IR Remote &  
AAA Batteries



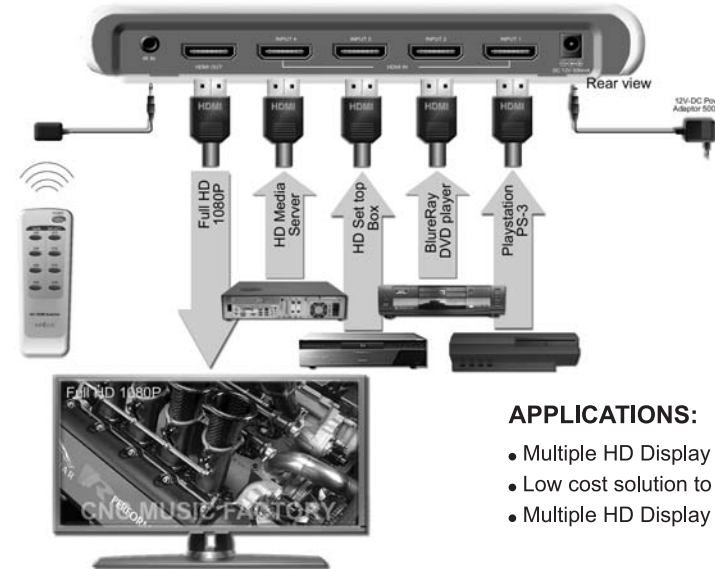
IR Receiver Probe  
(\*optional)

## PANEL VIEW



ITEM	DESCRIPTION
1. IR	External Inferred receiver
2. HDMI Output	HDMI Output
3. HDMI Input	HDMI Input 1 to 4
4. DC Input	Power input connector **Before connecting the power, please check if the power is 12V DC 500mA
5. Power	Push POWER to turn on or off the system
6. CH Indicator	Indication of the Channel select
7. CH	Push CH to select input channel 1 to 4
8. Gain Indicator	Indication of the GAIN select
9. Gain	Push GAIN to select the gain control

## SYSTEM DIAGRAM



### APPLICATIONS:

- Multiple HD Display and one HD source System.
- Low cost solution to Show Room integration
- Multiple HD Display with exhibition system