



ATLONA
8x1 ATLONA HDMI 1.3 SWITCH
AT-HD-V81

USER MANUAL

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1. INTRODUCTION

AT-HD-V81 is a high performance HDMI switcher with remote control. It allows your various HDMI sources to share one HDTV display. Simply pressing one button to select your desired HDMI source for display on the HDTV.

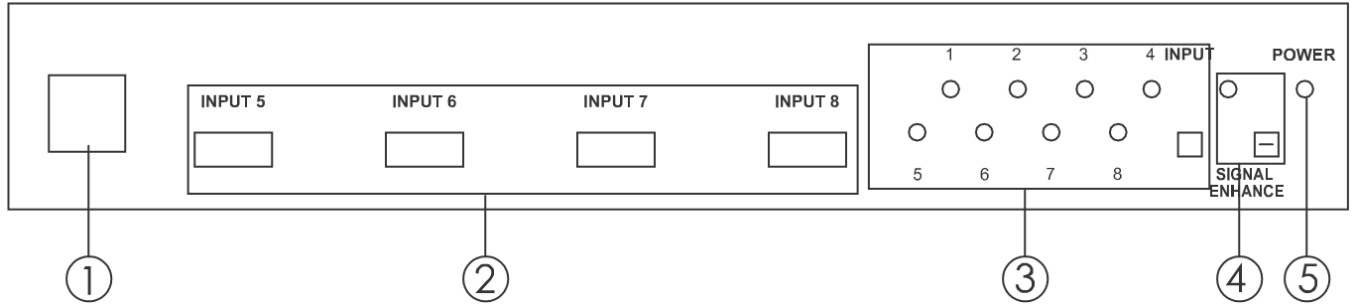
2. FEATURES:

- HDMI 1.3, HDCP 1.1 and DVI 1.0 compliant.
- Signal Enhancement feature allows you to improve signal quality after long distance transmission.
- LED indicators.
- Ideal for home theater integration.
- Supports high resolution input:
 - PC: VGA, SVGA, XGA, SXGA, and UXGA (1600 x 1200)
 - HDTV: 480i, 576i, 480p, 576p, 720p, 1080i, and 1080p
- Remote control.
- Easy to install and simple to operate.

3. SPECIFICATIONS

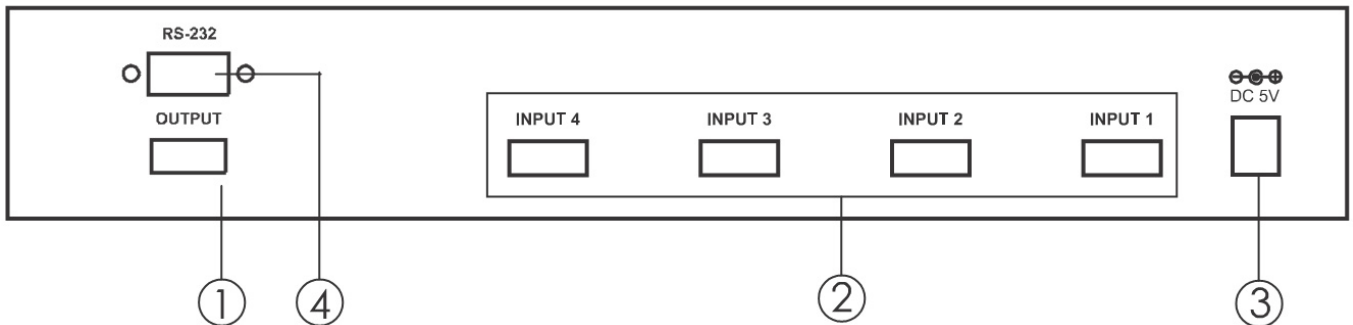
- Inputs: 8 x HDMI female ports (Type A connector)
- Output: 1 x HDMI female port (single link)
- 5VDC universal power supply
- Weight: 0.85kgs
- Dimension: 280(W) x104(L) x 44(H)mm

4.1. Front Panel



1. Remote control sensor.
2. HDMI inputs: Connect your various HDMI sources to each of the HDMI input of the unit using HDMI cables.
3. Input select/Indicators: Press the “ INPUT” button repeatedly to switch to your desired input source and the LED will illuminate to indicate which input source is being selected.
4. Signal Enhancement/Indicator: Press the “ Signal Enhance” button to turn on this feature to improve signal quality after long distance transmission. Press again to turn off. The LED will illuminate when the signal is enhanced.
5. Power LED Indicator: The LED will illuminate when the power is connected.

4.2. Rear Panel



1. HDMI output: Connect the HDMI output to the HDMI input of your display using HDMI cable.
2. HDMI inputs: Connect your various HDMI sources to each of the HDMI input of the unit using HDMI cables.
3. Power: Plug the supplied 5VDC power supply into the unit.
4. RS232: 9-pin D-sub female connector for connecting to your other control console for remote control.

5. REMOTE CONTROL

1. Power: Press the button to turn on/off the unit.
2. Direct input selector: Press numerical number button to select your desired input source.
3. Void buttons (No function). If the button number is greater than the total input number of the unit then the button is of no function.

AT-HD-V81 Remote Control Protocol:

Pins definition of modem cable

Splitter		Remote Controller	
PIN	Definition	PIN	Definition
1	NC	1	NC
2	T x D	2	R x D
3	R x D	3	T x D
4	NC	4	NC
5	GND	5	GND
6	NC	6	NC
7	NC	7	NC
8	NC	8	NC
9	NC	9	NC

6. RS-232

RS-232 transmission format:

Baud Rate : 9600 bps
 Data Bit : 8 Bits
 Parity: None
 Stop Bit: 1 bit

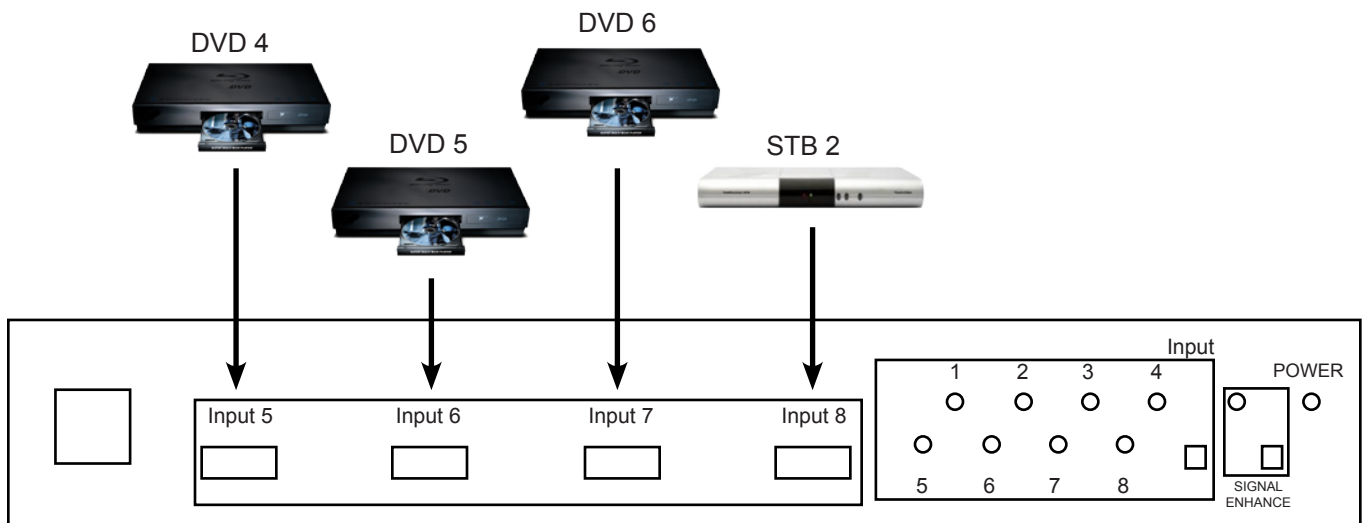
RS-232 command

- The command is combined with a characters and digits.
- This combination command code has to be separated by ASCII character SPACE
- The command will be executed after ASCII character "CR" input
- After ASCII character "CR" is entered, if the command is legal the unit will reply "OK" message
- If the command is illegal, The unit will reply "NG" message

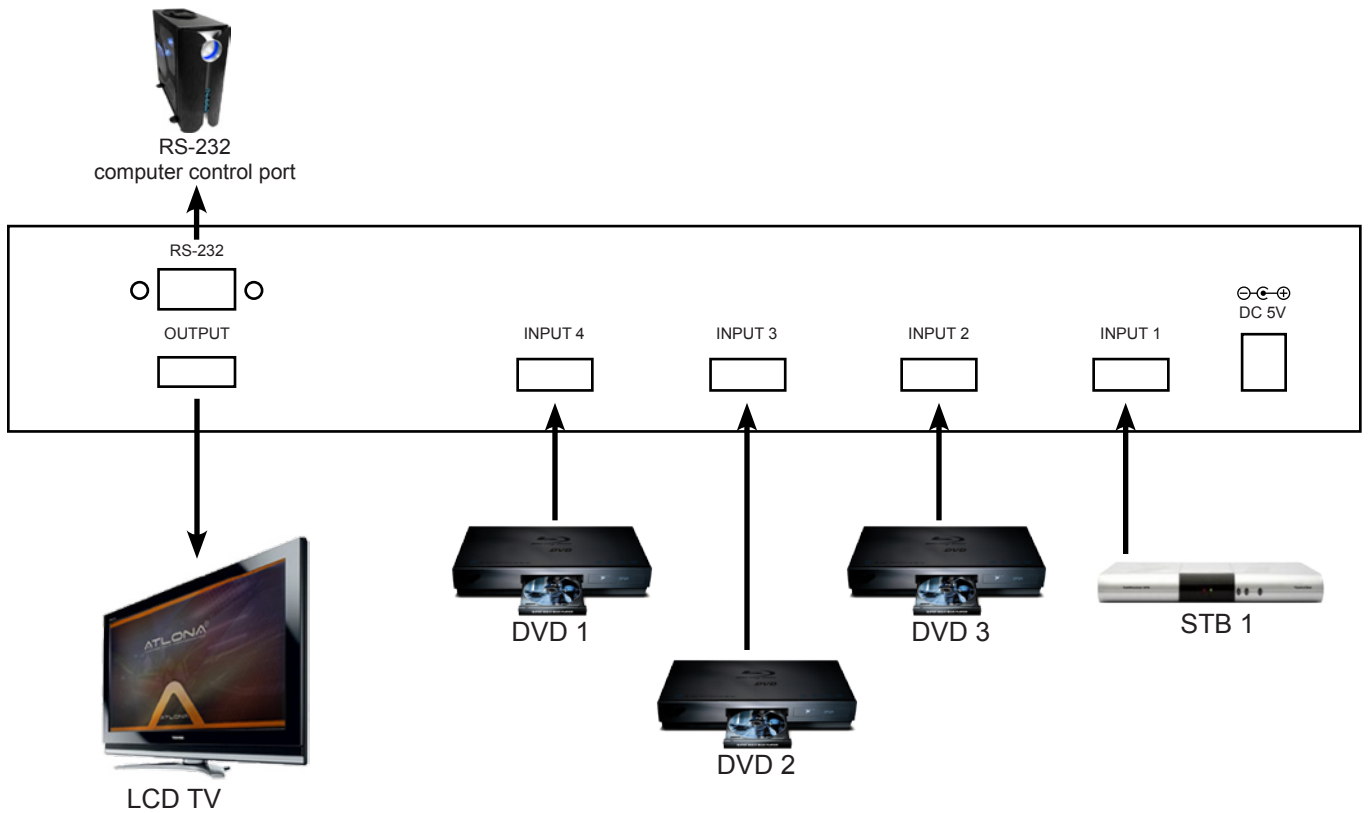
Command Code	Comment
PORT 1	PORT 1 ON
PORT 2	PORT 2 ON
PORT 3	PORT 3 ON
PORT 4	PORT 4 ON
PORT 5	PORT 5 ON
PORT 6	PORT 6 ON
PORT 7	PORT 7 ON
PORT 8	PORT 8 ON
SIGNAL 1	ENABLE SIGNAL ENHANCE
SIGNAL 0	DISABLE SIGNAL ENHANCE
POWER 1	POWER ON
POWER 0	POWER OFF

7. CONNECTION AND INSTALLATION

7.1 Front Panel



7.2 Rear Panel



Safeguards

To reduce the risk of electric shock, do not expose this product to rain or moisture.

If the wall plug does not fit into your local power socket, hire an electrician to replace your obsolete socket.

Do not modify the wall plug. Doing so will void the warranty and safety features.

This equipment should be installed near the socket outlet and the device should be easily accessible in case it requires disconnection.

Precautions

FCC Regulations state that any unauthorized changes or modifications to this equipment not expressly approved by the manufacturer could void the user's authority to operate this equipment.

Operate this product using only the included external power supply. Use of other power supplies could impair performance, damage the product or cause fires.

In the event of an electrostatic discharge, this device may automatically turn off. If this occurs, unplug the device, and plug it back in.

Protect and route power cords so they will not be stepped on or pinched by anything placed on or against them. Be especially careful of plug-ins, or cord exit points from this product.

Avoid excessive humidity, sudden temperature changes or temperature extremes.

Keep this product away from wet locations such as bathtubs, sinks, laundries, wet basements and swimming pools.

Use only accessories recommended by ATLONA to avoid fire, shock or other hazards.

Unplug the product before cleaning. Use a damp cloth for cleaning. Do not use cleaning fluid or aerosols, which could enter the unit and cause damage, fire or electrical shock. Some substances may also mar the finish of the product.

Never open or remove unit panels or make any adjustments not described in this manual. Attempting to do so could expose you to dangerous electrical shock or other hazards. It may also cause damage to your AT-HD-V81. Opening the product will void the warranty.

Do not attempt to service the unit. Instead disconnect it and contact your Authorized ATLONA reseller or contact ATLONA directly.

9. WARRANTY

1. LIMITED WARRANTY

Atlona Technologies warrants that (a) its products (the "Product") will perform substantially in accordance with the accompanying written materials for a period of 3 YEARS from the date of receipt and (b) that the Product will be free from defects in materials and workmanship under normal use and service for a period of 3 years. In the event applicable law imposes any implied warranties, the implied warranty period is limited to 3 years from the date of receipt. Some jurisdictions do not allow such limitations on duration of an implied warranty, so the above limitation may not apply to Customer.

2. CUSTOMER REMEDIES

Atlona Technologies and its suppliers' entire liability and Customer's exclusive remedy shall be, at Atlona Technologies' option, either return of the price paid for the Product, or repair or replacement of the Product that does not meet this Limited Warranty and which is returned to Atlona Technologies with a copy of Customer's receipt. This Limited Warranty is void if failure of the Product has resulted from accident, abuse, or misapplication. Any replacement Product will be warranted for the remainder of the original warranty period or 3 year, whichever is longer.

3. NO OTHER WARRANTIES

TO THE MAXIMUM EXTENT PERMITTED BY APPLICABLE LAW, ATLONA TECHNOLOGIES AND ITS SUPPLIERS DISCLAIM ALL OTHER WARRANTIES, EITHER EXPRESS OR IMPLIED, INCLUDING, BUT NOT LIMITED TO IMPLIED WARRANTIES OF MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE, WITH REGARD TO THE PRODUCT AND ANY RELATED WRITTEN MATERIALS. THIS LIMITED WARRANTY GIVES CUSTOMER SPECIFIC LEGAL RIGHTS. CUSTOMER MAY HAVE OTHER RIGHTS DEPENDING ON THE JURISDICTION.

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