

User Manual

8x1 Atlona HDMI 1.3 Switch AT-HD-V81



TABLE OF CONTENTS

1. Introduction	2
2. Features	2
3. Specifications	2
4. Operation Controls and Functions	3
4.1 Front Panel	3
4.2 Rear Panel	3
5. Remote Control	4
6. RS-232	4
7. Connection and Installation	5
8. Safety Information	6
9. Warranty	7
10. Atlona Product Registration	8

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.

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.

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



PANEL DESCRIPTION

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.

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

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



CONNECTION AND INSTALLATION

7.1. Front Panel



4.2. Rear Panel



SAFETY INFORMATION

Safeguards



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



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



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



This equipment should be installed near the socket outlet and the device should be easily accessible in the 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, fish tanks, 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 and not cleaning fluid or aerosols. Such products could enter the unit and cause damage, fire, or electric shock. Some substances may also mar the finish of the product.

Never open, 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. Disconnect the product and contact your authorized Atlona reseller or contact Atlona directly.

WARRANTY

Limited Warranty

Atlona Technologies warrants that (a) its products (the AT-HD-V81) 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 customers that fall within those areas.

Customer Remedies

Atlona Technologies' and its suppliers' entire liability and Customer's exclusive remedy shall be, at Atlona Technologies' decision, either return of the price paid for the product, repair, or replacement of the product that does not meet this Limited Warranty and which is returned to Atlona Technologies with a copy of the Customer's receipt. This Limited Warranty is void if failure of the product has resulted from accident, abuse, misapplication, or natural occurrence. In example but not limited to: power surges (electrical storms, local power outage), dropping the product (or items on the product), contact with fluids, and physical misconduct (i.e. kicking or punching). Any replacement product will be warranted for the remainder of the original warranty period.

No other warranties

To the maximum extent permitted by applicable law, Atlona Technologies and its suppliers disclaim all other warranties, either expressed 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. Customers may have other rights depending on the jurisdiction.

No liability for damages

To the maximum extent permitted by applicable law, in no event shall Atlona Technologies or its suppliers be liable for any damages arising out of the use of or inability to use this product, even if Atlona Technologies has been advised of the possibility of such damages. Such damages include but are not limited to: special, incidental, consequential, or indirect damages for personal injury, loss of business profits, business interruption, loss of business information, or any other pecuniary loss. Atlona Technologies' and its suppliers' entire liability under any provision of this agreement shall be limited to the amount actually paid by you for the product. Some Jurisdictions do not allow the exclusion or limitation of liability for consequential or incidental damage. The above limitations may not apply to you in such jurisdictional cases.

ATLONA PRODUCT REGISTRATION

Thank you for purchasing this Atlona product. - We hope you enjoy it and will take an extra few moments to register your new purchase.

Registration creates an ownership record if your product is lost or stolen and helps ensure you'll receive notification of performance issues and firmware updates.

At Atlona, we respect and protect your privacy, assuring you that your registration information is completely secure. Atlona product registration is completely voluntary and failure to register will not diminish your limited warranty rights.

To register go to: <http://www.atlona.com/registration>