



ATLONA
4x2 HDMI™ v1.3 SWITCHER
AT-HDMI-V42

USER MANUAL



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INTRODUCTION

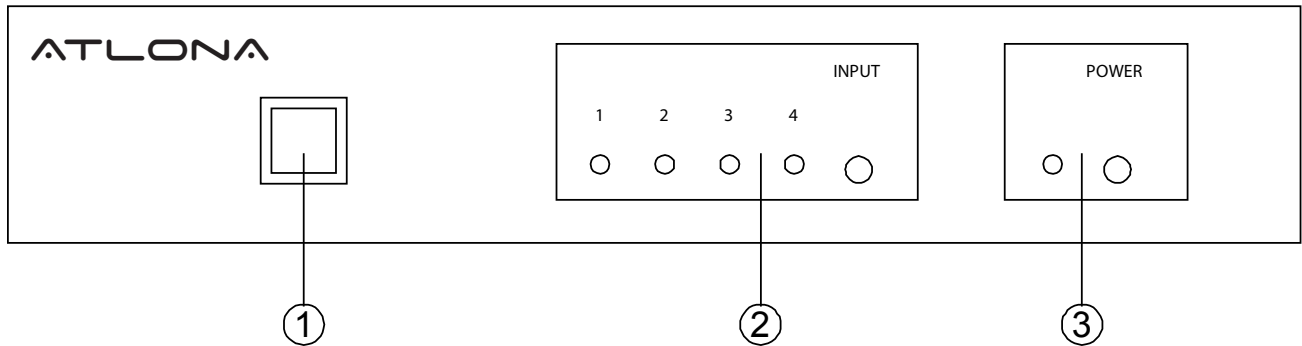
This is a high performance HDMI™ v1.3 Switcher with remote control. It allows your various HDMI™ source to share two HDTV display. Simply pressing one button to select your desired HDMI™ source for display on the HDTV.

Each product in this series is compatible to HDMI™ v1.3 specifications, a cutting-age technology which defines the support to transfer Deep Color (10-bit and 12-bit) video and new loss-less compressed (Dolby TrueHD, Dolby Digital Plus and DTS-HD Master Audio) digital audio, with a high bandwidth up to 225MHz.

FEATURES

- * HDMI™ 1.3, HDCP1.1 and DVI1.0 compliant Receiver.
- * Deep color video up to 12bit, 1080p@60Hz.
- * Four HDMI™ sources to connect up to two HDMI™ displays simultaneously.
- * Supports DVI source and DVI display by using HDMI™ to/from DVI adaptor cable.
- * Dolby Digital, DTS digital audio transmission (32-192kHz Fs sample rate).
- * Supports a wide range of PC and HDTV resolutions from VGA to UXGA and 480i to 1080p.
- * HDMI™ cable distance test with 1080p resolution: Input/Output source can run up to 30M/5.1CH.
- * Full HDCP Compliant.

3.1. Front Panel

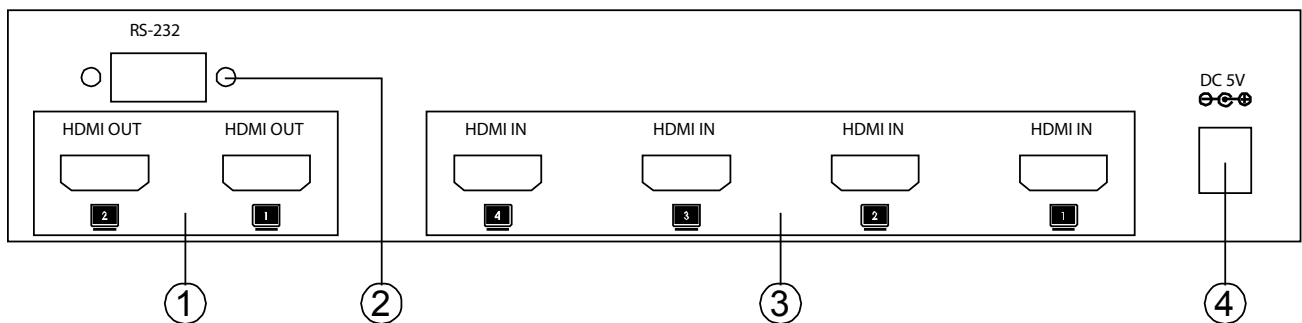


1 Remote Control Sensor.

2 HDMI™ input Select/Indicator: Press the “Input” button sequentially to switch to your desired input (HDMI™ 1 to HDMI™ 4), the LED will illuminate to indicate which input source is selected

3 POWER Switch/Indicator: Press the “POWER” button to turn on/off the power, the power LED illuminate in red color means the power is turned on, when the LED not illuminate power is turned off.

3.2. Rear Panel



1 HDMI™ Outputs 1 and 2: Connect each of the output ports to the HDMI™ display. When more than one output connected, the HDMI™ outputs play identical video signal simultaneously.

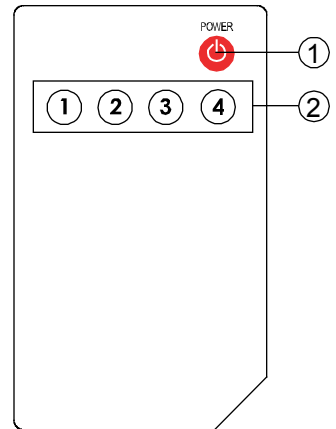
2 RS232: 9-pin D-Sub connector for connecting to your PC or other control console for remote control.

3 HDMI Inputs 1 to 4: Connect each of the input ports to the HDMI or DVI output of your source equipment such as DVD player or set-top-box.

4 Power: Plug the 5V DC power supply into this unit and connect the adaptor to AC wall outlet.

REMOTE CONTROL

- 1 Power: Press the button to turn on/off the unit.
- 2 Direct input selector:
Press 1, 2, 3 or 4 to select the desired input source.



RS-232 REMOTE CONTROL PROTOCOL

The connection between splitter and remote controller with RS-232 modem cable.
Pin definition of modem cable

Splitter			Remote Controller	
PIN	Definition		PIN	Definition
1	NC	→	1	NC
2	TxD		2	Rx
3	RxD		3	Tx
4	NC	←	4	NC
5	GND		5	GND
6	NC		6	NC
7	NC		7	NC
8	NC		8	NC
9	NC		9	NC

5.1 RS-232 transmission format:

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

5.1 RS-232 transmission format:

RS-232 command	Operation
POWER 00	Select power OFF
POWER 01	Select power ON
PORT 01	Select port 1
PORT 02	Select port 2
PORT 03	Select port 3
PORT 04	Select port 4

SPECIFICATIONS

Frequency bandwidth	2.25Gbps (single link)
Input port	4x HDMI female ports
Output port	2 x HDMI female ports
Power Supply	5VDC/2.6A (US/EU standards, CE/FCC/UL certified)
Remote Control	Discrete IR remote
Dimensions (mm)	240(W) x 104(D) x 44(H)
Weight(g)	0.8 kgs
Chassis Material	Metal
Silk Skin Color	Black
Operating Temperature	Operating from 0°C ~ 48°C

CONNECTION AND INSTALLATION



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-HDMI-V42. Opening the product will void the warranty.

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

WARRANTY

LIMITED ONE-YEAR WARRANTY

ATLONA by Lenexpo Electronics warrants only to the initial purchaser of this product for a period of one year from the date of purchase from an Authorized ATLONA Reseller, the product will be free of electrical and mechanical defects that materially affect the products operation as described in this users manual. Within this period, ATLONA will, at it's sole option, repair or replace any components, which fail of normal use or refund the net original price.

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ATLONA
2151 O'toole Ave, Ste D
San Jose CA 95131
Toll Free: 1-877-536-3976
International: 408-954-8782
FAX: 408-954-8792
Website: www.atlona.com
E-MAIL: info@atlona.com