



ATLONA
1x16 HDMI DISTRIBUTION AMPLIFIER
AT-HD-V116

USER MANUAL



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INTRODUCTION

Atlona Technologies' AT-HD-V116 is a 1x16 HDMI Distribution Amplifier designed to work as a splitter for any High Definition Video application. With 1 HDMI Input and 16 HDMI Outputs, the AT-HD-V116 is capable of splitting High Definition signal from one source to sixteen separate displays with compatible inputs. With a built in amplifier, this unit has the ability to boost this signal great distance, while preventing both signal loss and picture degradation. This splitter supports data rates up to 6.75 Gbps and enables HDMI formats at resolutions up to 1080p or 1920x1200 and WUXGA DVI resolution at (1920x1200). With HDCP Compatibility, Atlona's 1x16 HDMI Distribution Amplifier is perfect for all applications sending High Definition Video signal to multiple displays.

FEATURES

- 1x16 HDMI Distribution Amplifier: 1 HDMI Output, 16 HDMI Inputs
- HDMI and HDCP compliant
- Supports video bandwidth up to 6.75 Gbps
- Supports wide range of PC resolutions from VGA to WUXGA 1920x1200 and HDTV/DTV resolutions 480i/480p, 576i/576p, 720p, 1080i and 1080p
- Compatible with all HDMI sources and displays
- Supports Digital Video TMDS formats in Deep Color 36bits
- Supports color depth of up to 36
- Bi-direction color space conversion(SCS) between RGB and YCBCR color spaces
- Auto-Scan input and outputs status via LED display on front panel
- Control by Select buttons on front panel or IR Remote Controller
- IR Extender with 1000ft long distance
- Ear mount and 19 inch Rack mountable type panel
- Power supply 12V DC

SPECIFICATIONS

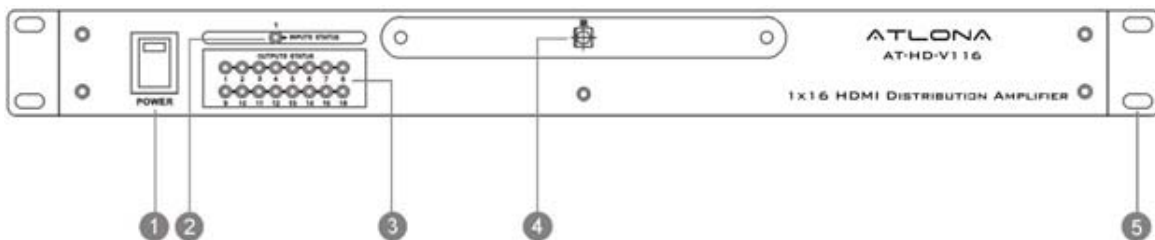
- 1x16 HDMI Distributor: 1 x HDMI Input to 16 x HDMI Outputs
- Supports :HDMI Standard, DVI and HDCP Compliant
- Video Support: HDMI formats up to 1080p or 1920x1200 and DVI up to WUXGA 1920x1200 HD resolutions.
- Audio Support: DTS-HD Master Audio, Dolby True -HD & Dolby Digital Plus
- Compliant standard: HDMI, DVI and HDCP.
- HDTV Support: HDMI formats up to 1080p or 1920x1200 and WUXGA 1920x1200 resolution.
- Controls: Manual or IR Remote and IR Extender (Maximum Distance 300M)
- Data Rates: 6.75 Gbps.
- Pixel clocks: 25MHz to 225 Mhz.
- HDMI Cable Distance: 45ft at 6.75Gbps.
- Supports digital video standards such as: RGB/YCBCR : 24/30/36-bits; YCBCR :8/10/12/16/20/24-bits; Double data rate interface for RGB/YCBCR : 12/15/18-bits
- Infrared frequency: 38KHz.
- Safety Approvals: CE, FCC, RoHS.
- Power Supply: 12V DC

PACKAGE CONTENTS:

- 1x16 Splitter Unit (AT-HD-V116)
- Instruction Manual
- IR Remote Control
- Universal AC/DC power adapter: 12VDC
- 19 inch Ear mount pair
- IR Extender receiver

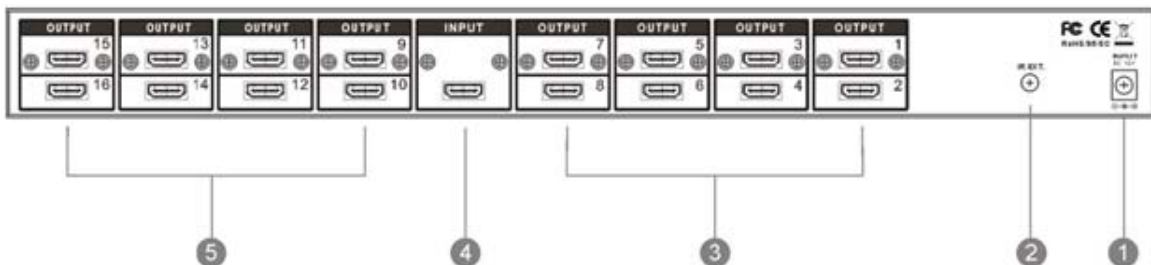
PANEL DESCRIPTIONS

1. Front Panel




1. POWER SWITCH. The power switch turns the unit on and off. The LED will illuminate red to indicate that the switcher is ON
2. INPUT SOURCES STATUS DISPLAY. Input source 1 LED illuminate blue to indicate desired video source is present on that input.
3. OUTPUT SOURCES STATUS DISPLAY. Output 1-16 Status shows by LED display.
4. IR SENSOR. The IR sensor receives IR commands from the supplied remote controller.
5. 19 INCH EAR MOUNT PAIR. 19 inch case Ear Mount pair


2. Rear Panel



1.  DC POWER INLET. Power Input: 12VDC
2. IR EXTENDER CONTROL. Support one of IR Extender' extend distance maximum 300Meters
4. VIDEO INPUTS: HDMI Input 1

 HDMI digital video/audio connector: HDMI Female connector.

- 3, 5. VIDEO OUTPUTS: HDMI Outputs 1-16

 HDMI digital video/audio connector: HDMI Female connector.

REMOTE CONTROL

Ensure the mains voltage supply matches the label on the supplied plug-Pack (+/- 10%)

Ensure that the power switch is OFF

Connect all audio video sources and destination equipment

Power up all HD Source and Displays

For each desired output select the appropriate input by using the front panel select buttons or IR remote control

When powering up the AT-HD-V116 will return to its last used setting before Powered down.

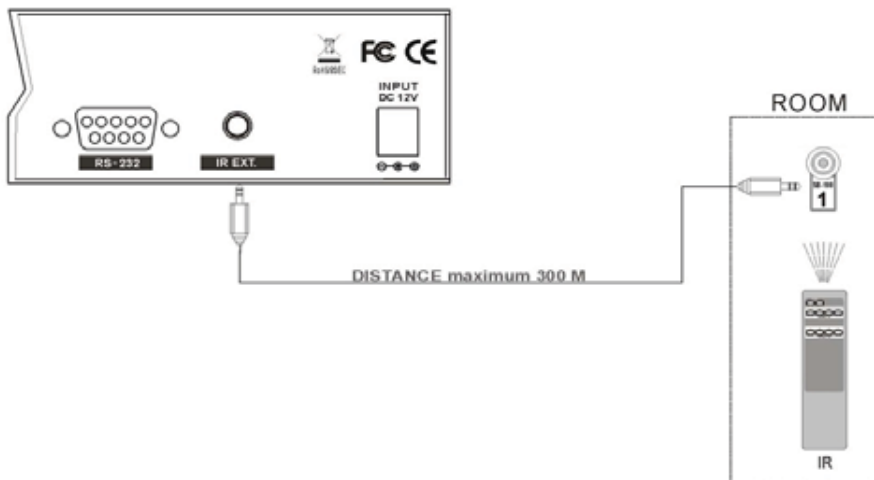


1,2. SWITCH POWER ON or OFF

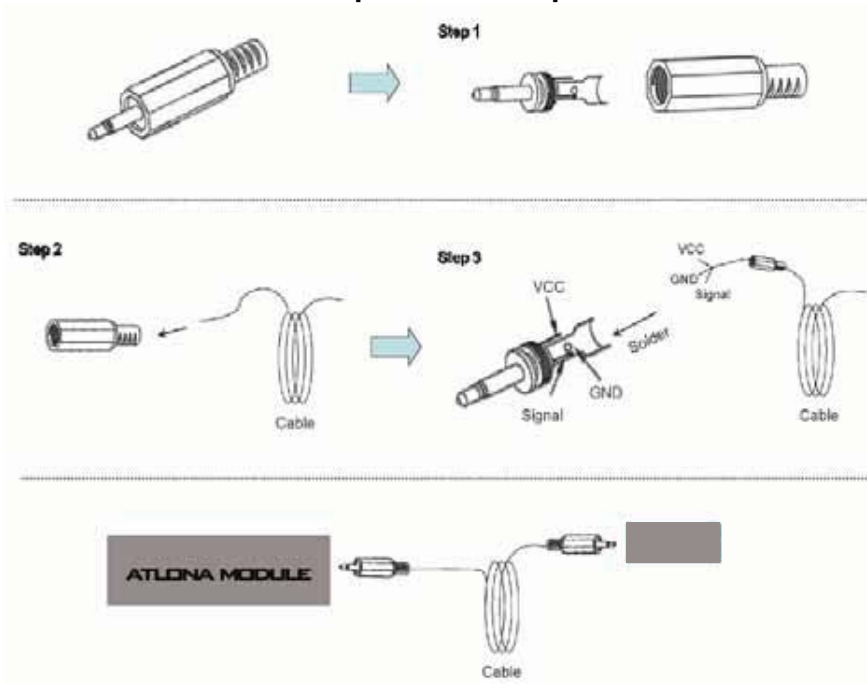
IR EXTENDER

1. IR Extender Connection

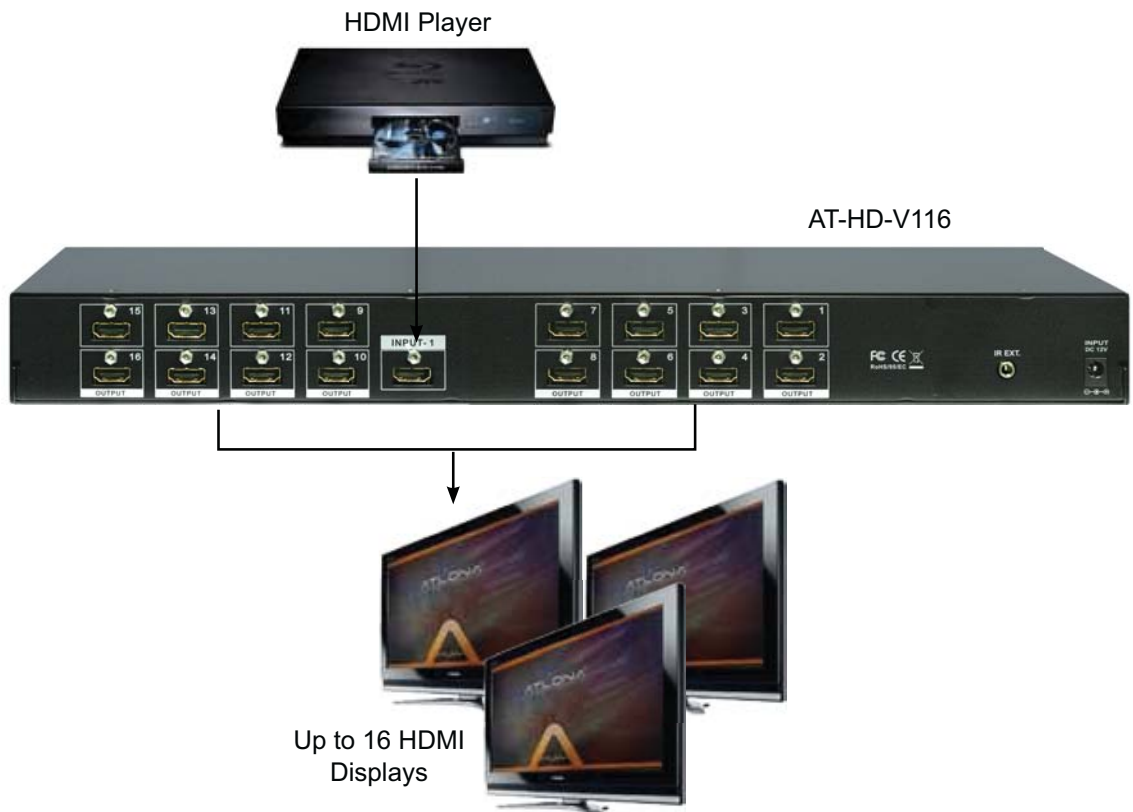
REAR PANEL IR EXTENDER PORT



2. The IR Extender Components Setup



APPLICATIONS



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-V116. 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.

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.

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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

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