



ATLONA
1 IN 2 OUT HDMI v1.3 SPLITTER
AT-HD-V12

USER MANUAL



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INTRODUCTION

Congratulations on your purchase of the AT-HD-V12 Splitter. Your satisfaction is very important to us. Our series of HDMI Switchers and Splitters are designed to make the use of your HDTV equipment more comfortable, productive and affordable.

With 1 x HDMI Input and 2 x HDMI Out, the AT-HD-V12 allows one HD source device to support up to two HDTV displays. Both HDTV displays will have the same quality image as the source. Along with being HDCP Compliant, re-clocking function is built-in to extend HDMI or DVI signal for long distance at resolutions up to 1080p

The amplifier and equalizer functions offer solutions for Home Theater, AV installation data center, information distribution, conference room presentation, school and corporate training environments.

FEATURES

- Support resolutions HDTV: 480i/480p, 576i/576p, 720p, 1080i, 1080p, PC resolutions up to 1920x1200
- Fully Support HDMI version 1.3
- Support HDCP compliant devices
- I/O Signals : HDMI with HDCP Digital Video
- Support wide range of PC resolutions from VGA to WUXGA 1920x1200
- Amplifier and Equalizer functions enable longer HDMI Cable
- Expand to 2 HDMI outputs of your High-definition Source
- Fashionable metal housing design
- Supports video bandwidth up to 6.75 Gbps
- Supports Digital Video TMDS formats in Deep Color 12bits
- Supports color depth of up to 36 bits
- Bi-direction color space conversion(SCS) between RGB and YCBCR
- Gold plated connectors

SPECIFICATIONS

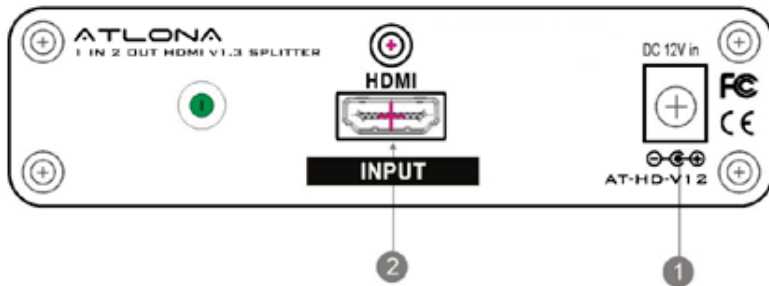
- Inputs: 1x HDMI
- Outputs: 2 x HDMI
- Signal Supports :HDMI Standard, DVI and HDCP Compliant
- Supports HDMI formats up 1080p or 1920x1200
- Supports DVI WUXGA 1920x1200 HD resolutions
- Supported Audio: DTS-HD Master Audio, Dolby True -HD & Dolby Digital Plus
- TMDS Digital Video PCM Digital Audio
- HDMI and HDCP Compliant
- Data Rates: 250Mbps to 6.75 Gbps. Pixel clocks: 25MHz to 225 Mhz.
- HDMI Cable Distance: 40ft 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
- Safety Approvals: CE, FCC, RoHS(2002/95/EC)
- Power Supply: 12V DV

PACKAGE CONTENTS:


- DC 12V Power Adaptor
- AT-HD-V12 Splitter main unit
- User's manual

PANEL DESCRIPTIONS

1. Front Panel




1.  DC POWER INLET. Power input - 12V DC

2.  INPUT - 1 x HDMI. HDMI (Female) digital video/audio connector:

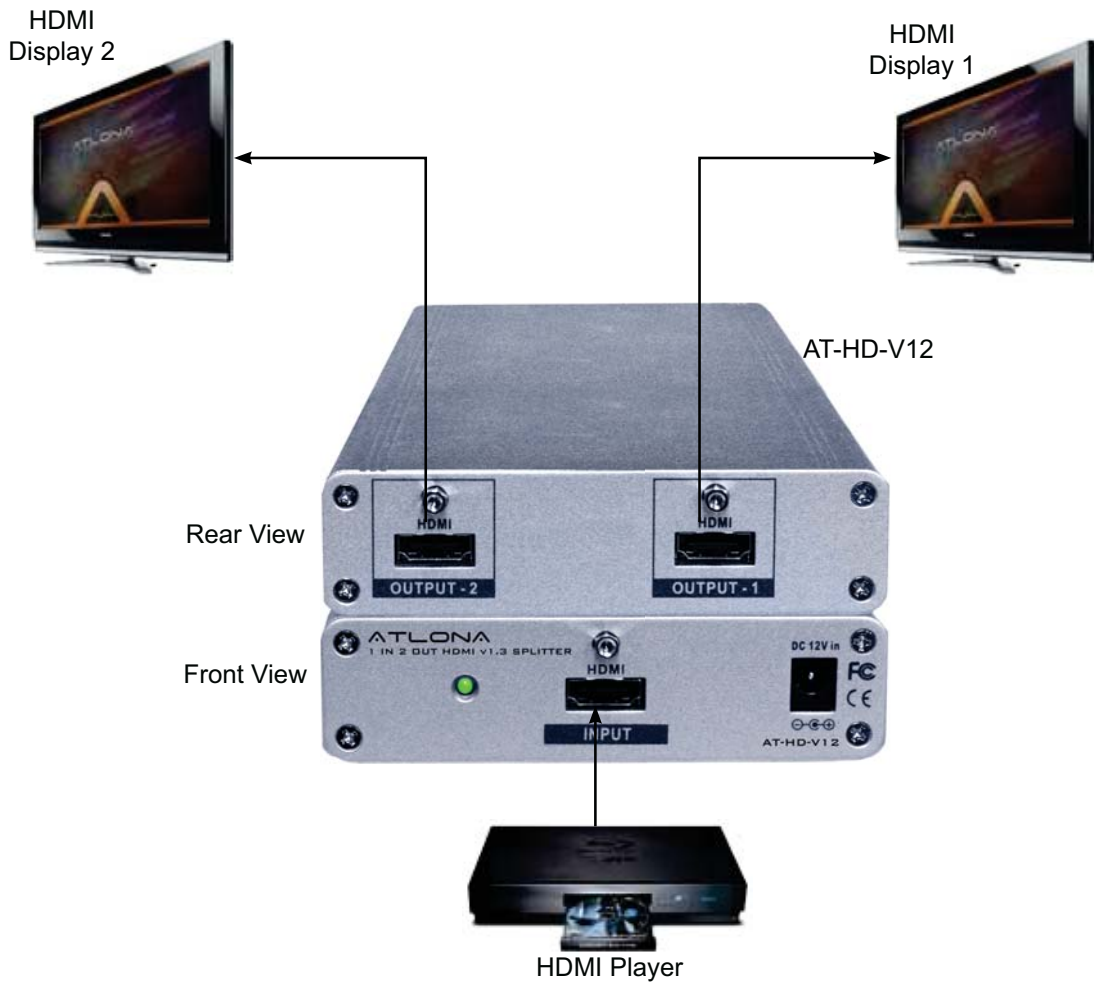
Note: With the proper Atlona adapters, the AT-HD-V12 can be used with DVI digital video signals



2.  HDMI (Female) digital video/audio connectors Outputs 1-2:

Note: With the proper adapters, the AT-HD-V12 can be used with DVI digital video signals

APPLICATIONS



Connect the AT-HD-V12 Splitter to your devices

1. Connect the HDMI cable from the HD source to the input port of AT-HD-V12 Splitter.
2. Connect the HDMI cables from your displays (monitor or projector) to the outputs of the AT-HD-V12 Splitter.
3. Standard resolution of outputs set up:
Please set the output resolution of the source device first, and make sure the resolution can be displayed on all connected display devices. For example, if you set the output resolution of the source device to 1080p, please make sure all the display devices can display 1080p resolution. If any connected display device cannot support 1080p resolution, the display device will show no pictures.
4. Plug the 12VDC power supply into the AT-HD-V12 Splitter.
5. When connections are completed, the HDTV signal will be distributed to each HDTV display.
6. For the best performance, you should re-start the AT-HD-V12 splitter power to make sure the AT-HD-V12 is working well in HDCP between HD player and Display devices, when the HDMI cable was disconnected after your last use.

- AT-HD-V12 will distribute one resolution only at one time. Please set the output resolution of the source device first, and make sure the resolution can be displayed on all connected display devices.
- The resolution mode will depend on the first plug-in or first of the sequent display devices that can successfully communicate with the source device. Make sure your display devices can support the highest resolution as the source device can support, and your display devices are HDCP compliant and fully support HDCP.
- If the AT-HD-V12 is connected to multiple HDTVs which support different highest resolution (720p, 1080i, 1080p 1920x1200), it is recommended to adjust the output resolution of source device to match the resolution of HDTV that has lower resolution.
For example, the AT-HD-V12 is connected to 2 HDTVs, and one of them only supports 720p HD resolution, but another can support up to 1080p. If you want them to show the same HD content, please set the output resolution of source device to 720p or use AT-HD560 at the lower resolution display to scale the resolution down from 1080p to 720p.
- To reset the HDMI Splitter, please unplug the power adaptor, or unplug the power cord from DC jack; and then plug it back.

SAFETY INFORMATION

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-V12. 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.

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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