

# Component Video W/Audio Distribution Amplifier AT-COMP18AD



FRONT



BACK

## User Manual

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## INTRODUCTION

The 1x8 Component w/Audio Distribution Amplifier is the perfect solution for anyone who needs to send one source of high definition component video with Audio to multiple displays at the same time. It supports all component sources and displays. Supported resolutions: 480i, 480p, 576i, 576p, 720p, 1080i and 1080p. The AT-COMP18AD is capable to send signal from one source to all 8 displays at the same time without signal degradation. The 1x8 Splitter will support long cable runs up to 100ft ( 30M ).

## FEATURES

- Supports both SD (composite, YCbCr) and HDTV (YPbPr) input signal.
- Audio can be analog stereo (L/R) or digital coaxial (S/PDIF)
- Accepts one component input and splits it to 8 identical and buffered outputs without any loss.
- When input is composite video, it can connect up to 3 different video sources and output 8 identical and buffered signal for each input source.
- High bandwidth performance 650MHz at -3dB.
- Ideal for presentation and home theater applications.

## PACKAGE CONTENT

- 1:8 Component w/audio Splitter
- 1 x 6 foot Component cable
- 1 x 6 foot Audio cable
- 1 x 5V Universal Power Supply (110/220V)



## SPECIFICATIONS

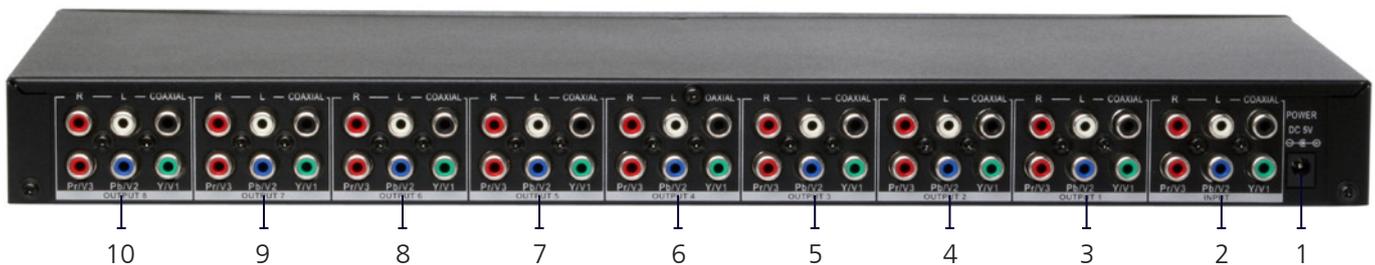
Video Input	YPbPr x1 or RGSB x1 (or RGBHV), or composite x 3 1 Vp-p@ 75 ohm
Video Output	YPbPr x 3, or RGSB(or RGBHV) x 8
Audio Input	Coaxial (S/PDIF) x 1 + R/L x 1
Audio Output	Coaxial (S/PDIF) x 8+ R/L x 3
Analog audio input/output	Audio 2 Vrms max 47k ohm
Horizontal/Vertical sync	5Vp-p max; H frequency 10KHz~100KHz, V frequency 20Hz~200Hz
Video Bandwidth	650MHz (-3dB)
Video System	NTSC or Pal compatible
Resolution	up to 1080p
Differential gain	0.05%
Differential phase	0.05 degree
Power Supply	5V 2A~1A
Dimensions	17.21"W x 6.69"D x 1.85"H
Shipping Weight	7Lbs

## PANEL DESCRIPTION

### 1. Front Panel



### 2. Rear Panel



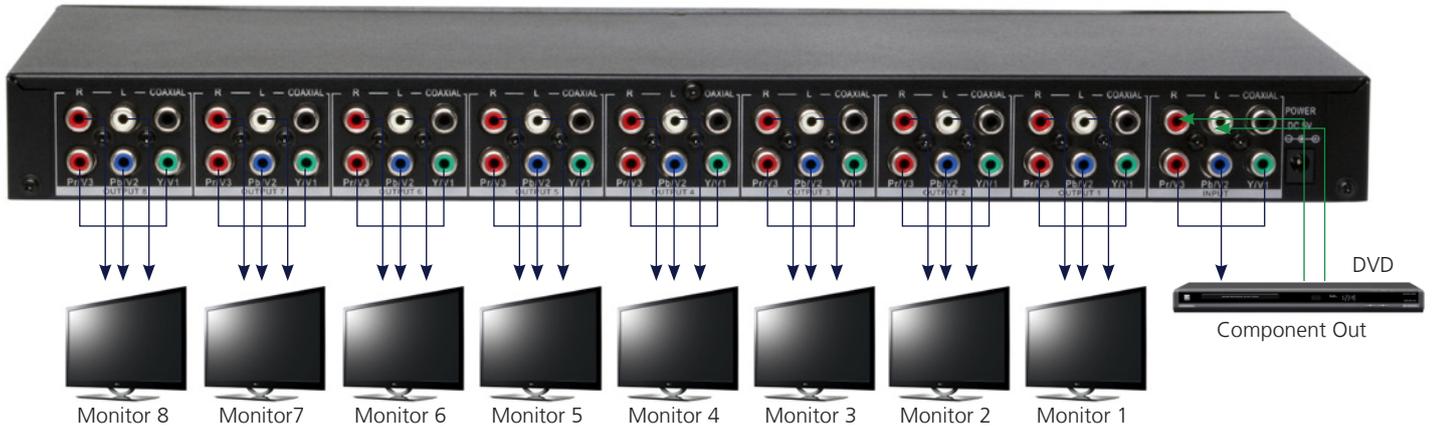
1. DC power supply input.
2. Input: Input connector for YPbPr/YCbCr,(or Composite Video), L/R stereo analog Audio and digital coaxial audio.



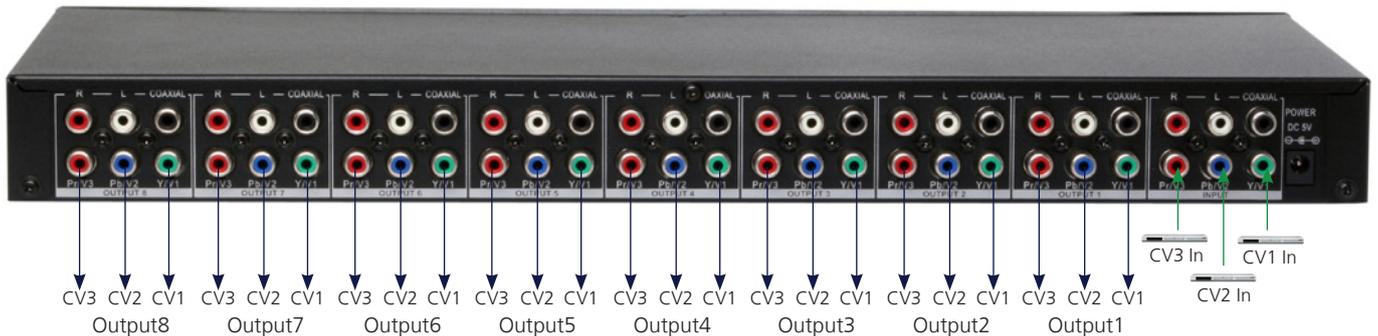
3. Output 1: Output connector for YPbPr/YCbCr, (or Composite Video), L/R stereo analog Audio and digital coaxial audio.
4. Output 2: Output connector for YPbPr/YCbCr, (or Composite Video), L/R stereo analog Audio and digital coaxial audio.
5. Output 3: Output connector for YPbPr/YCbCr, (or Composite Video), L/R stereo analog Audio and digital coaxial audio.
6. Output 4: Output connector for YPbPr/YCbCr, (or Composite Video), L/R stereo analog Audio and digital coaxial audio.
7. Output 5: Output connector for YPbPr/YCbCr, (or Composite Video), L/R stereo analog Audio and digital coaxial audio.
8. Output 6: Output connector for YPbPr/YCbCr, (or Composite Video), L/R stereo analog Audio and digital coaxial audio.
9. Output 7: Output connector for YPbPr/YCbCr, (or Composite Video), L/R stereo analog Audio and digital coaxial audio.
10. Output 8: Output connector for YPbPr/YCbCr, (or Composite Video), L/R stereo analog Audio and digital coaxial audio.

## CONNECTION AND INSTALLATION

### 1. Works as a 1-in 8-out distribution amplifier for HD component source(YPbPr).



### 2. Works as three 1-in 8-out distribution Amps for video sources.



#### CV - Composite Video

- CV1 - Yellow Cable
- CV2 - White Cable
- CV3 - Red Cable

## SAFETY INFORMATION

### Safeguards



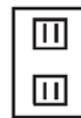
To reduce the risk of electric shock, do not expose this product to rain or moisture



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-COMP-18AD. 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-COMP-18AD) 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>**