

1 x 10 Component Video with Stereo and Digital Audio Distribution Amplifier over CAT5/6 compatible with AT-COMP300RL AT-COMP10SS



User Manual

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INTRODUCTION

The Atlona AT-COMP10SS is 1 x 10 Component Video with Stereo and Digital Audio Distribution Amplifier designed to accept a video and audio feed from Component Video source such as DVD player, Cable/Sat Box, media player or digital signage player and distribute the same feed to 10+ locations. The COMP10SS is featured with 1 x Component/Audio input and 10 x CAT5/6/7 outputs which could be connected with Atlona AT-COMP300RL receiving modules up to 1000ft away.

The COMP10SS is also featured with local Component and audio outputs, meant to either connect to a local display for monitoring or daisy chaining to another COMP10SS amplifier.

Note: Receiving models AT-COMP300RL are required accessories.

FEATURES

- Transmits Component with Stereo Audio and Digital Audio (optical and S/PDIF) (up to 1000ft away to 10+ locations)
- Supports Full HD Video with resolutions up to 1080p
- Compatible with AT-COMP300RL – receiving module
- Local Component/Audio output for local monitoring display or daisy chaining ability to go to another AT-COMP10SS
- Extension Distance up to 1000ft: 1080p @1000ft; 1080i/720p @ 1250ft; 480p @1400ft
- Rack Mountable – 1U

PACKAGE CONTENTS

- 1 x AT-COMP10SS (transmitter module)
- 1 x 5v Power supplies (Universal 110/240V)
- 1 x Set of Wall Mounting Ears
- 1 x Instructions manual

SPECIFICATIONS

Inputs	1 x Component Video, 1 x Stereo Audio, 1 x Optical, 1 x S/PDIF
Outputs	10 x RJ45, 1 x Component Video, 1 x Stereo Audio, 1 x Optical, 1 x S/PDIF
Supported Resolutions	all up to 1080p
Video bandwidth	550MHz(-3dB)-loop out and 370Mhz Cat5/6
Distance	1080p @1000ft; 1080i/720p @ 1250ft; 480p @1400ft
Power Consumption (max.)	1.5A
Component Connector	3 x RCA female
Stereo Audio Connector	2 x RCA
S/PDIF Connector	1 x RCA
Optical Connector	Toslink
Power Supply	5V/2A (110/240 universal)
Dimensions (inch)	18.97×6.96×1.73 (Lx W x H) (1U)
Weight	4.1
Operating Temperature Range	-5 to +35°C (-41 to +95 °F)
Operating Humidity Range	5 to 90 % RH (no condensation)

CONNECTION AND OPERATION

1. Connect the Component Source e.g., Cable/Sat receiver, DVD player, Video Codec, switch to the AT-COMP10SS (transmitting unit)
2. Connect the Component Display e.g., Projector, LCD/LED or a switch to (receiving unit (AT-COMP300RL) – (receiving unit is sold separately)
3. Terminate the CAT5, 6 or 7 wire with 568B termination and use a tester to make sure all pins are wired correctly before connect it to the VGA10SS transmitter.
4. Connect the power supplies to both transmitter and receiver and the video and in a few seconds the video should appear on the display.

RJ45 PIN CONFIGURATION

1. Orange-white	Video Pb -
2. Orange	Video Pb +
3. Green-white	Video Y -
4. Blue	Audio +
5. Blue-white	Audio -
6. Green	Video Y +
7. Brown-white	Video Pr -
8. Brown	Video Pr +

TROUBLESHOOTING

1. No Signal or it is going in and out:

- Please test your RJ45 cables with a Fluke or similar tester to make sure that all the wires are connected and the distance is within the limits.
- If you are using patch panel or and RJ45 wall plates, the distance will be reduced, please do a direct connection bypassing all additional equipment.
- Please try to re-terminate your CAT5/6/7 wire to 568B
- Try using STP Cable

2. Image is tilted:

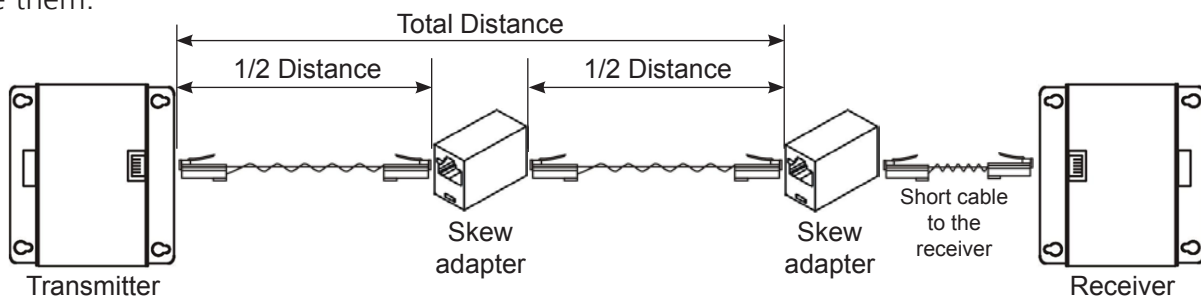
- Try using STP Cable

3. No Video Signal on the Display or Signal is going in and Out:

- Please test your RJ45 cables with a Fluke or similar tester to make sure that all the wires are connected and the distance is within the limits.
- If you are using patch panel or and RJ45 wall plates, the distance will be reduced, please do a direct connection bypassing all additional equipment.
- Please try to re-terminate your CAT5/6/7 wire to 568B

4. Ghosting effect

- Some lower end CAT5/6 cables may have a different twist for internal cables which will result different signals arrive at the destination at different time and therefore cause Ghosting effect. The ghosting effect is basically letters doubling up or incorrect colors. We include 2 x Skew adapters in the package, it is recommended to use them.



LED INDICATORS

BLUE	Power ON/OFF.
RJ45 Green color	ON/OFF Video Signal
Flash	Not-Detected Input Source
RJ45 Yellow	ON/OFF Digital Audio Signal
Flash	Audio input distortion

DIP SWITCH

AUDIO ← select digital audio input
→ select analog audio input

If the digital audio is selected, the optical and digital coaxial connections can be used; however not at the same time. If you have both SPDIF and Optical connected to the amplifier the priority will be given to Optical.

Compatible with following receiver module:

AT-COMP300RL

Front Side



Back Side



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-COMP10SS. 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-COMP10SS) 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.

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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>**

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