

User Manual

VGA to Component or Component to VGA Converter Scaler AT-VGA300CV



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INTRODUCTION

The Atlona AT-VGA300CV is a very advanced scaler box, designed to convert any PC/Laptop input to component video or Component video input to VGA output. The Atlona scaler is capable of accepting a wide-range of PC or HDTV resolutions up to WUXGA/1080P. This scaler/converter has a comprehensive on-screen menu which allows user to select from a variety of resolutions, picture adjustments ets.

PACKAGE INCLUDES

- 1x AT-VGA300CV
- 1x 5v Universal Power Supply
- 1x 3ft VGA to Component Breakout Cable
- 1x User Manual

FEATURES

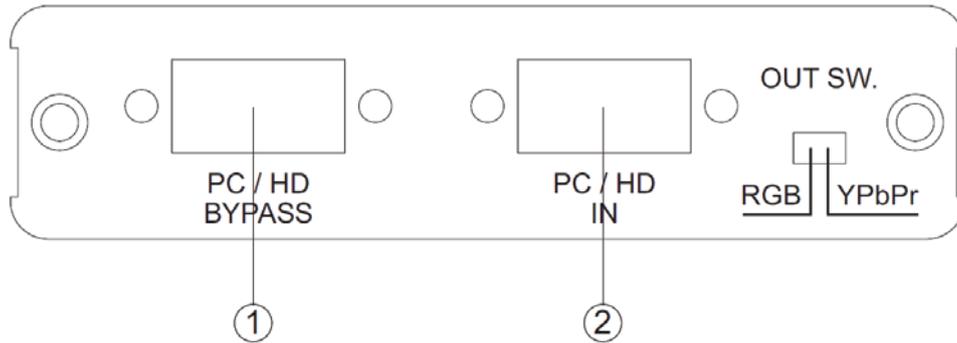
- Scales any PC or HDTV resolutions to PC or HDTV resolution up to WUXGA or 1080p
- Provides output picture adjustment on contrast, brightness, hue, saturation, sharpness, rgb (color tone) level and aspect ratio size.
- Has a loop-out for connecting to a local monitor.
- Supports high resolution output:
PC: VGA, SVGA, XGA, SXGA, UXGA, WXGA, WSXGA, WUXGA
SD/HD: 480i, 576i, 480p, 576p, 720p, 1080i and 1080p.
- Converts PC (VGA) signal from PC or Laptop to Component Video
- Converts Component Video signals from DVD's, Video Games ets. to VGA inputs on Computer monitors, Projectors, Plasma Screens

SPECIFICATIONS

Input ports	1 x HD15 (Could be used for PC or Component Video)
Output ports	1 x HD15 (Could be used for PC or Component Video)
Loop-out port	1 x HD15 (Could be used for PC or Component Video)
Power Supply	5V/2.6A DC (US/EU standards, CE/FCC/UL certified)
Dimensions (mm)	157(d) x 102(w) x 25(h)
Weight(g)	332
Chassis Material	Aluminum
Silk Skin Color	Black
Operating Temperature	Operating from 0°C ~ 48°C

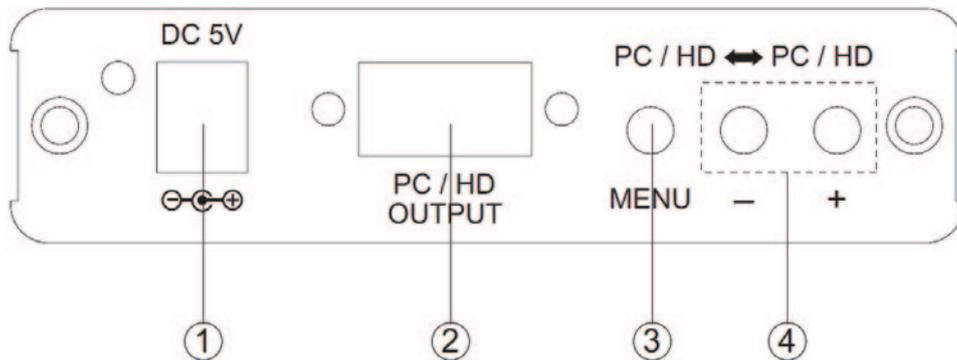
PANEL DESCRIPTION

1. Front Panel



1. PC/HD BYPASS: BYPASS THE PC/HD INPUT SIGNAL.
2. INPUT: CONNECT THE PC INPUT D-SUB (15-PIN) PORT TO THE D-SUB OUTPUT PORT OF YOUR SOURCE EQUIPMENT SUCH LIKE PC.

2. Rear Panel



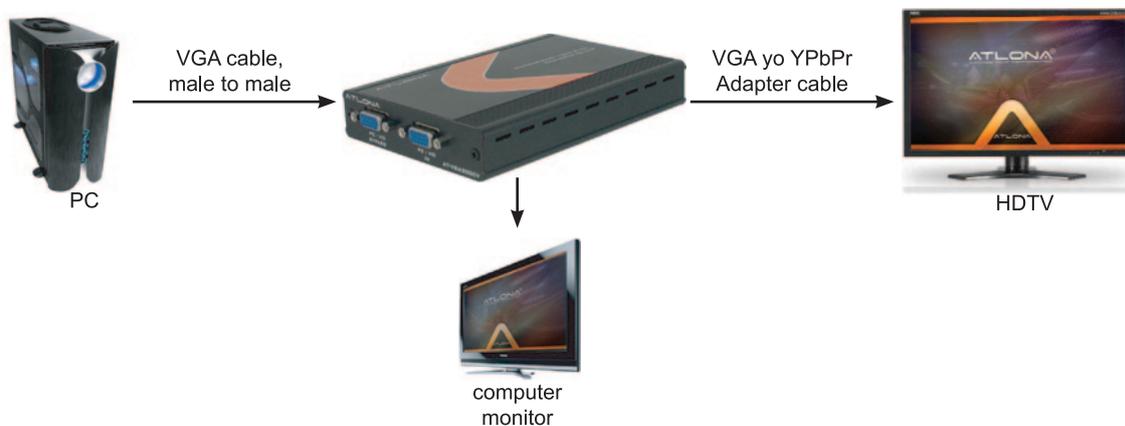
1. POWER: PLUG THE 5VDC POWER SUPPLY INTO THE UNIT AND CONNECT THE ADAPTOR TO AC WALL OUTLET.
2. PC/HD OUTPUT: CONNECT THE PC OUTPUT D-SUB (15-PIN) PORT TO THE D-SUB INPUT PORT OF YOUR DISPLAY.
3. MENU BUTTON: PRESS THE MENU BUTTON TO BRING UP OSD OPERATION MENU. (SEE SECTION "4. OSD OPERATION" FOR REFERENCE.)
4. +/- BUTTON:
 - a. THE MINUS (–) BUTTON WILL AUTO ADJUST THE PICTURE.
 - b. ON THE FIRST TIER OF OSD MENU, USE + AND – BUTTONS TO MOVE UP/DOWN THE HIGHLIGHT ITEM FOR SELECTION.
 - c. ONCE THE DESIRED OPTION IS SELECTED, USE + AND – BUTTONS TO TOGGLE BETWEEN SETTING VALUES.

OSD OPERATION

1 st Tier Option	2 nd Tier Option	Adjustment
CONTRAST	-	0 ~ 100 of Contrast Level
BRIGHTNESS	-	0 ~ 100 of Contrast Level
FINETUNE	- PHASE - CLOCK - VERTICAL - HORIZONTAL	0 ~ 100 of the Scaler's Pixel Alignment 0 ~ 100 of Clock Adjustment 0 ~ 100 of the Signal's Vertical Position 0 ~ 100 of the Signal's Horizontal Position
COLOR	- RED - GREEN - BLUE - EXIT	0 ~ 100 of Red Color Level 0 ~ 100 of Green Color Level 0 ~ 100 of Blue Color Level Back to 1st Tier
SIZE	-	FULL / OVERSCAN / UNDERSCAN / LETTERBOX / PANS-CAN
OUTPUT	-	NATIVE / VGA / SVGA / XGA / SXGA / UXGA / 480i / 480p / 720p@60Hz / 1080i@60Hz / 1080p@60Hz / 576i / 576p / 720p@50Hz / 1080i@50Hz / 1080p@50Hz / WXGA / WSXGA / WUXGA
AUDIO	-	EAR PHONE / OPTICAL
OSD	- HPOSITION - VPOSITION - TIMER - BACKGROUND - EXIT	0 ~ 100 of OSD Horizontal Position 0 ~ 100 of OSD Vertical Position 0 ~ 100 of OSD Existing Time (sec.) 0 ~ 100 of OSD Transparent Level Back to 1st Tier
INFORMATION	-	SOURCE (Input Interface) INPUT (Input Resolution) OUTPUT (Output Resolution) VERSION (Firmware Version)
EXIT	-	Close OSD Menu

CONNECTION DIAGRAM

1. PC to Component Video



2. Component video to PC



Selecting Component Video Output

- Press "Menu" and "-" at the same time

Selecting VGA output:

- Press "Menu" and "+" at the same time

SUPPORT RESOLUTION

	PC INPUT	PC OUTPUT
	PC/HD	PC/HD
480I/576I (NTSC/PAL)	v	v
480P/576P	v	v
720P@(50/60)	v	v
1080I@(25/30)	v	v
1080P@(50/60)	v	v
VGA@(60/72/75/85)	v	v
SVGA@(56/60/72/75/85)	v	v
XGA@(60/70/75/85)	v	v
SXGA@(60/75/85)	v	v
UXGA@60	v	v
WXGA@60(1280x800)	v	v
WSXGA@60(1680x1050)	v	v
WUXGA@60(1920x1200)	v	v

RESETTING the UNIT

1. Press and hold "Menu" button for 5 seconds
2. Disconnect power plug from the unit while holding the "Menu" and wait for 5 seconds
3. Connect the power plug back in and continue holding the "Menu" for another 5 seconds
4. Release the "Menu" and allow up to 10 seconds for the unit to connect to the display

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-VGA300CV. 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.

Atlona, Inc. ("Atlona") Limited Product Warranty Policy

Coverage

Atlona warrants its products will substantially perform to their published specifications and will be free from defects in materials and workmanship under normal use, conditions and service.

Under its Limited Product Warranty, Atlona, at its sole discretion, will either:

- A) repair or facilitate the repair of defective products within a reasonable period of time, restore products to their proper operating condition and return defective products free of any charge for necessary parts, labor and shipping
- OR**
- B) replace and return, free of charge, any defective products with direct replacement or with similar products deemed by Atlona to perform substantially the same function as the original products
- OR**
- C) refund the pro-rated value based on the remaining term of the warranty period, not to exceed MSRP, in cases where products are beyond repair and/or no direct or substantially similar replacement products exist.

Repair, replacement or refund of Atlona's products is the purchaser's exclusive remedy and Atlona's liability does not extend to any other damages, incidental, consequential or otherwise.

This Limited Product Warranty extends to the original end-user purchaser of Atlona's products and is non-transferrable to any subsequent purchaser(s) or owner(s) of these products.

Coverage Periods

Atlona's Limited Product Warranty Period begins on the date of purchase by the end-purchaser. The date contained on the end-purchaser's sales or delivery receipt is the proof purchase date.

Limited Product Warranty Terms – New Products

- 10 years from proof of purchase date for hardware/electronics products purchased on or after June 1, 2013
- 3 years from proof of purchase date for hardware/electronics products purchased before June 1, 2013
- Lifetime Limited Product Warranty for all cable products

Limited Product Warranty Terms – Refurbished (B-Stock) Products

- 3 years from proof of purchase date for all Refurbished (B-Stock) hardware and electronic products purchased on or after June 1, 2013

Remedy

Atlona recommends that end-purchasers contact their authorized Atlona dealer or reseller from whom they purchased their products. Atlona can also be contacted directly. Visit www.atlona.com for Atlona's contact information and hours of operation. Atlona requires that a dated sales or delivery receipt from an authorized dealer, reseller or end-purchaser is provided before Atlona extends its warranty services. Additionally, a return merchandise authorization (RMA) and/or case number, is required to be obtained from Atlona in advance of returns.

Atlona requires that products returned are properly packed, preferably in the original carton, for shipping. Cartons not bearing a return authorization or case number will be refused. Atlona, at its sole discretion, reserves the right to reject any products received without advanced authorization. Authorizations can be requested by calling 1-877-536-3976 (US toll free) or 1-408-962-0515 (US/international) or via Atlona's website at www.atlona.com.

Exclusions

This Limited Product Warranty excludes:

- Damage, deterioration or malfunction caused by any alteration, modification, improper use, neglect, improper packing or shipping (such claims must be presented to the carrier), lightning, power surges, or other acts of nature.
- Damage, deterioration or malfunction resulting from the installation or removal of this product from any installation, any unauthorized tampering with this product, any repairs attempted by anyone unauthorized by Atlona to make such repairs, or any other cause which does not relate directly to a defect in materials and/or workmanship of this product.
- Equipment enclosures, cables, power supplies, batteries, LCD displays, and any accessories used in conjunction with the product(s).
- Products purchased from unauthorized distributors, dealers, resellers, auction websites and similar unauthorized channels of distribution.

Disclaimers

This Limited Product Warranty does not imply that the electronic components contained within Atlona's products will not become obsolete nor does it imply Atlona products or their electronic components will remain compatible with any other current product, technology or any future products or technologies in which Atlona's products may be used in conjunction with. Atlona, at its sole discretion, reserves the right not to extend its warranty offering in instances arising outside its normal course of business including, but not limited to, damage inflicted to its products from acts of god.

Limitation on Liability

The maximum liability of Atlona under this limited product warranty shall not exceed the original Atlona MSRP for its products. To the maximum extent permitted by law, Atlona is not responsible for the direct, special, incidental or consequential damages resulting from any breach of warranty or condition, or under any other legal theory. Some countries, districts or states do not allow the exclusion or limitation of relief, special, incidental, consequential or indirect damages, or the limitation of liability to specified amounts, so the above limitations or exclusions may not apply to you.

Exclusive Remedy

To the maximum extent permitted by law, this limited product warranty and the remedies set forth above are exclusive and in lieu of all other warranties, remedies and conditions, whether oral or written, express or implied. To the maximum extent permitted by law, Atlona specifically disclaims all implied warranties, including, without limitation, warranties of merchantability and fitness for a particular purpose. If Atlona cannot lawfully disclaim or exclude implied warranties under applicable law, then all implied warranties covering its products including warranties of merchantability and fitness for a particular purpose, shall provide to its products under applicable law. If any product to which this limited warranty applies is a "Consumer Product" under the Magnuson-Moss Warranty Act (15 U.S.C.A. §2301, ET SEQ.) or other applicable law, the foregoing disclaimer of implied warranties shall not apply, and all implied warranties on its products, including warranties of merchantability and fitness for the particular purpose, shall apply as provided under applicable law.

Other Conditions

Atlona's Limited Product Warranty offering gives legal rights, and other rights may apply and vary from country to country or state to state. This limited warranty is void if (i) the label bearing the serial number of products have been removed or defaced, (ii) products are not purchased from an authorized Atlona dealer or reseller. A comprehensive list of Atlona's authorized distributors, dealers and resellers can be found at www.atlona.com.

Atlona, Inc 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>