

Atlona HDMI to HDMI Scaler with Audio

AT-HD560



User Manual

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Introduction

The Atlona HDMI to HDMI Scaler with Audio is a simple solution to resolution incompatibilities. The AT-HD560 is easy to use with an on-screen menu for scaling and image correction. Scaling is available from 640x480 up to 1920x1200 or 480i up to 1080p.

Package Contents

- 1 x AT-HD560
- 1 x 5V DC adaptor
- 1 x User manual

Features

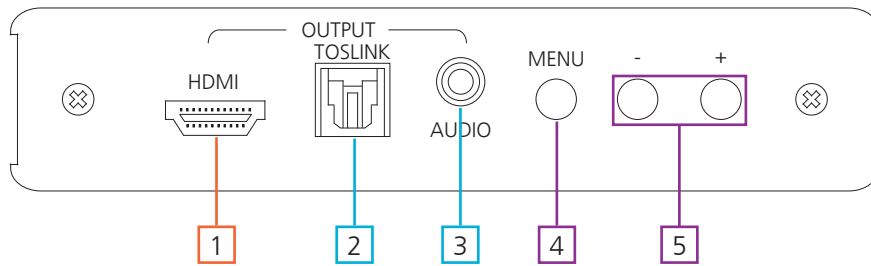
- Built-in scaler to ensure your display receives the correct resolution
- Converts 50Hz signals to 60Hz
- Contrast, brightness, hue, saturation, sharpness, RGB level, and scan size adjustment
- Embeds analog audio on HDMI output
- Analog and digital audio input and output
(great when using a DVI to HDMI adaptor ex. AT14040)
- Built-in screen saver mode, when there is no input signal. Choose between a color bar and black screen
- HDCP compliant

Specifications

Bandwidth	4.95Gbps	
Ports	Video input 1 x HDMI Video output 1 x HDMI Audio output 1 x 3.5mm, 1 x TOSLINK	
Power Consumption	10.5W	
Audio	Passes up to Dolby Digital or DTS 5.1	
Resolution	Video: up to 1080p@60Hz VESA: up to 1920x1200	
Dimensions	0.98 x 4.02 x 5.71 (inch) 25 x 102 x 145 (mm)	
Weight	2.21 lbs 1 kg	
Temperature	Operating 32°F to 104°F 0°C to 40°C	Storage -4°F to 140°F -20°C to 60°C
Certifications	CE, FCC, RoHS, cULus for power supplies	

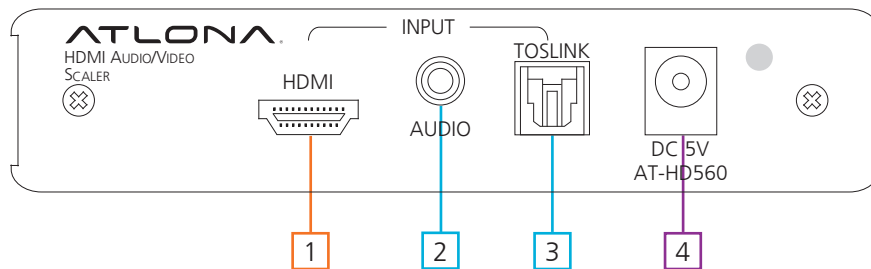
Panel Description

Front Panel



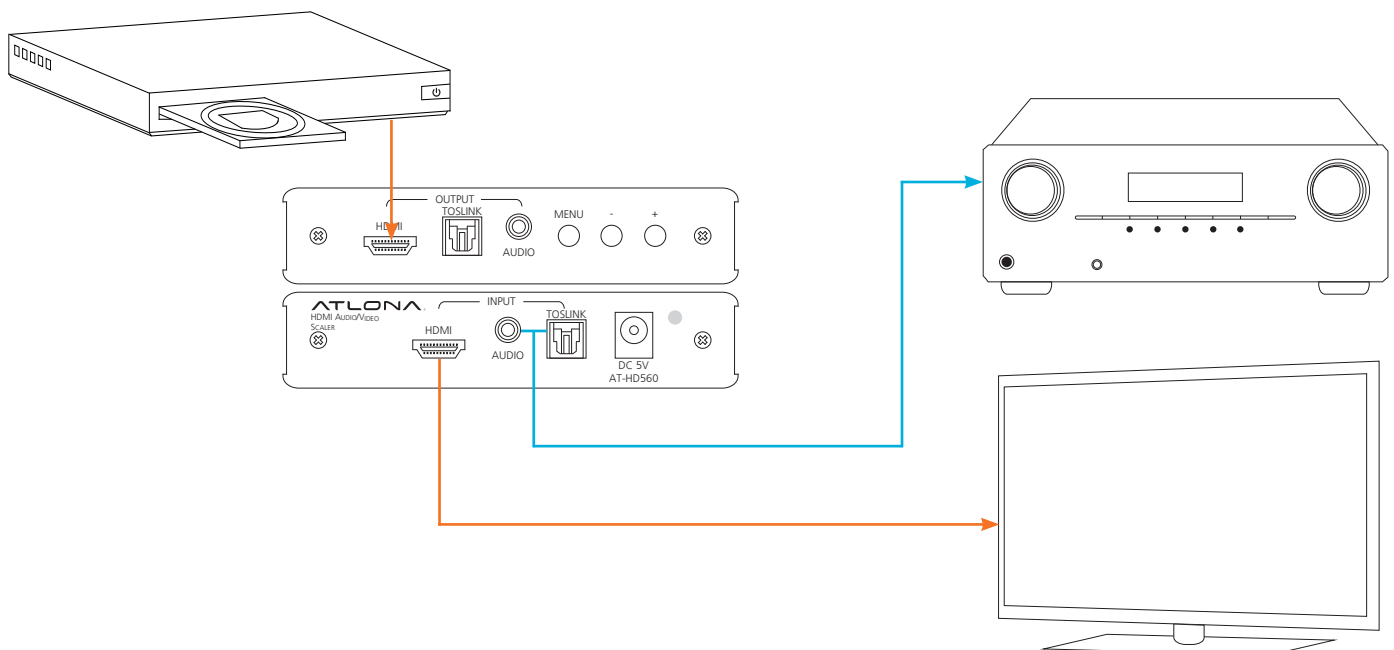
1. HDMI output port: Connect a display here.
2. Toslink output port: Connect digital audio (over fiber optic cable) to an audio receiver
3. 3.5mm audio output port: Connect analog audio to analog equipment
4. Menu button: Press to activate on-screen menu and to confirm selections
5. +/- buttons: Use to navigate the OSD menu

Back Panel



1. HDMI input port: Connect HDMI/DVI source
2. 3.5mm audio input port: Connect analog audio (ex. PC)
3. TOSLINK input port: Connect digital audio (ex. DVD player or STB)
4. 5V DC port: Connect included 5V DC power adapter

Connection and Installation



On Screen Display Menu

Menu Option	Sub-Menu Option	Adjustment
CONTRAST	-	Level 0 ~ 100
BRIGHTNESS	-	Level 0 ~ 100
FINETUNE	- HUE	Level 0 ~ 100
	- SATURATION	Level 0 ~ 100
	- SHARPNESS	Level 0 ~ 100
	- EXIT	Back to Menu
COLOR	- RED	Level 0 ~ 100
	- GREEN	Level 0 ~ 100
	- BLUE	Level 0 ~ 100
	- EXIT	Back to Menu
SIZE	-	FULL / OVERSCAN / UNDERSCAN / LETTERBOX / PANSCAN / FOLLOW INPUT
OUTPUT	-	NATIVE VGA (640x480) / SVGA (800x600) XGA (1024x768) / SXGA (1280x1024) UXGA (1600x1200) / 480i / 480p / 720p59 / 1080i59 / 1080p59 / 576i / 576p / 720p50 / 1080i50 / 1080p50 / WXGA (1280x800) WSXGA (1680x1050) / WUXGA (1920x1200) 1080p30 / WUXGA+ (1400x900) / SXGA+ (1400x1050) / NATIVE
AUDIO	- SOURCE	HDMI / TOSLINK / L/R
	- DELAY	4 / 11 / 15 (seconds)
	- SOUND	On / Mute
	- EXIT	Back to Menu
OSD	- HPOSITION	0 ~ 100
	- VPOSITION	0 ~ 100
	- TIMER	0 ~ 100 (sec.)
	- BACKGROUND	0 ~ 100 (transparency level)
	- COLOR BAR	On: Color bar will display when the source is disconnected Off: After the source is disconnected, a black screen will be active for 50 seconds before the output signal is shut off Timeon 15min: Once the source is discontinued, a color bar will be active for 15 minutes before the output signal is shut off
	- EXIT	Back to Menu
FACTORY RESET	-	YES NO
INFORMATION	-	SOURCE (Input Type) INPUT (Resolution) OUTPUT (Resolution) VERSION (Firmware #)
EXIT	-	Close the OSD Menu

Supported Resolutions

INPUT		25/30	50	56	60	70	72	75/85
VESA:	640x480				X		X	X
	800x600			X	X		X	X
	1024x768				X	X		X
	1280x1024				X			X
	1600x1200				X			
	1280x800				X			
	1680x1050				X			
	1920x1200				X			
VIDEO:	480i				X			
	480p				X			
	576i		X					
	576p		X					
	720p		X		X			
	1080i							
	1080p		X		X			
OUTPUT								
VESA:	640x480				X		X	X
	800x600			X	X		X	X
	1024x768				X	X		X
	1280x1024				X			X
	1600x1200				X			
	1280x800				X			
	1680x1050				X			
	1920x1200				X			
VIDEO:	480i				X			
	480p				X			
	576i		X					
	576p		X					
	720p		X		X			
	1080i		X		X			
	1080p		X		X			

Factory Reset

1. Press and hold the Menu button for 5 seconds
2. Disconnect the power plug of the AT-HD560 while still holding the menu button and wait 5 seconds.
3. While holding the menu button, plug the power cord back in. Hold the Menu button for an extra 5 seconds.
4. Release the menu button. It may take up to 10 seconds for the AT-HD560 to connect with 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 product. 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>

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