

## User Manual

# Composite + S-Video + Dual HDMI input Scaler AT-HD580



**BACK**



**FRONT**



## TABLE OF CONTENTS

1. Introduction	2
2. Features	2
3. Package Contents	2
4. Specifications	2
5. Panel Descriptions	3
5.1 Front Panel	3
5.2 Rear Panel	3
6. Remote Control	4
7. Connection and Installation	5
8. Safety Information	6
9. Warranty	7
10. Atlona Product Registration	8



## INTRODUCTION

Atlona Technologies' AT-HD580 is a unique Scaler unit designed to upscale any Standard definition and High definition video signals to an HDMI output. This model outputs a wide-range of HD and PC resolutions up to 1080p/WUXGA. The AT-HD580 has a comprehensive on screen menu that will allow users to select a variety of desired output resolutions and enables users to make necessary adjustments for the optimal picture quality. This unit features Composite with Stereo Audio, S-Video with Stereo Audio, and 2 x HDMI inputs for a variety of uses for source to display. The AT-HD580 could also be used a Pal to NTSC or NTSC to Pal converter scaler.

## FEATURES

- HDCP Compliant
- Scales any Standard Definition/High Definition resolutions to any of PC (VGA to WUXGA)/HD (480i to 1080p)
- Provides output picture adjustment for contrast, brightness, hue, saturation, sharpness, RGB (color tone) level and aspect ratio size
- Pal/NTSC Conversion; 50/60Hz conversion. Auto-Detect
- Supports high resolution output including:  
 PC: VGA, SVGA, XGA, SXGA, UXGA, WXGA, WSXGA, WUXGA, WXGA+ (1440 x 900) and SXGA+ (1400x 1050)  
 SD/HD: 480p, 576p, 720p@50Hz, 720p@60Hz, 1080i@50Hz, 1080i@60Hz, 1080p@50Hz and 1080p@60Hz

## PACKAGE CONTENTS

- AT-HD580 Scaler Unit
- Operational Manual
- 5V DC Power Supply Adaptor

## SPECIFICATIONS

Frequency bandwidth	1.65Gbps (single link)
Input ports	2 x HDMI female ports (signal link); 1 x CV with L/R Video: 1Vp-p 75 ohm; 1 x SV with L/R Y: 1Vp-p 75 ohm
Output port	1 x HDMI female port (signal link)
HDMI Input Resolution	480i ~ 1080p 50/60, VGA~WUXGA
HDMI Output Resolution	480p ~ 1080p 50/60, VGA~WUXGA, NTSC / PAL
Audio Support	PCM2CH
Input DC signal	5 Volts
Power Supply	5VDC/2.6A (universal)
Dimensions (inch)	6.8(W) x 5.5(D) x 1.4(H)
Net Weight	3.2LB

## OPERATION CONTROLS AND FUNCTIONS

### 1 Front Panel



- 1. IR Function:** IR receiver for the remote control.
- 2. Input Selections and LED Indicators:** Press the input buttons (CV/SV/HDMI1/HDMI2) to select the desired source. The LED will light up when the corresponding input is selected.
- 3. MENU:** Press MENU button to bring up On-Screen-Display operation menu
- 4. +/- Buttons:**
  - On the On-Screen-Display menu, use + and - buttons to highlight desired item selection.
  - Press "ENTER" once to confirm the desired option, use + and - buttons to choose between setting values.
- 5. ENTER Button:** In the OSD menu, use the ENTER button to confirm selection.
- 6. POWER Button and LED Indicator:** Press the power button to turn the unit ON/OFF. The LED will light up when the power is turned on.

### 2. Rear Panel

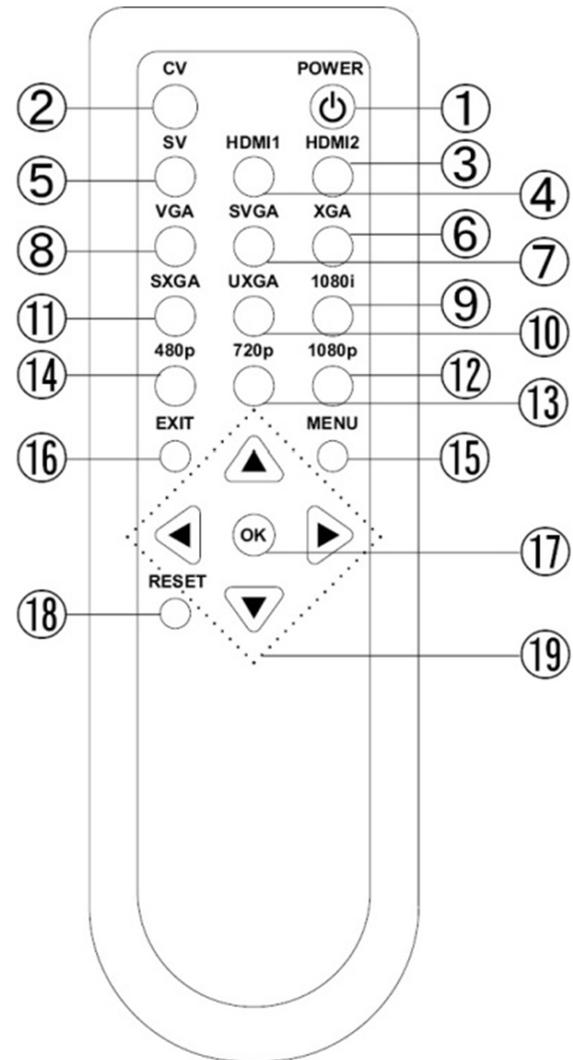


- 1. HDMI Output:** Connect the HDMI output to the HDMI input of desired HD Display
- 2. HDMI Inputs 1 and 2:** Connect the HDMI inputs to the HDMI output of desired sources such as PS3, DVD player, Blu-Ray Player or Set-Top-Box.  
DVI: use HDMI to DVI cable to connect to DVI output for a PC.
- 3. Composite Video / S-Video and L/R Audio Inputs:** Connect the Composite or S-Video input to the Composite or S-Video output of desired HD video source such as PS3, DVD player, Blu-Ray Player or Set-Top-Box. Connect the L/R audio input to the audio output of audio source.
- 4. Power:** Plug the 5VDC power supply into the AT-HD580 and connect the adaptor to an AC wall outlet.



## REMOTE CONTROL

1. POWER - Press to turn the device on and off.
2. CV - Press to switch to Composite Video mode, press ok to confirm
3. HDMI2 - Press to switch to HDMI2 mode, press ok to confirm.
4. HDMI1 - Press to switch to HDMI1 mode and press ok to confirm
5. SV - Press to switch to S-Video mode, press ok to confirm
6. XGA - Press to set the output resolution to XGA mode, press ok to confirm.
7. SVGA - Press to set the output resolution to SVGA mode, press ok to confirm
8. VGA - Press to set the output resolution to VGA Mode, press ok to confirm
9. 1080i - Press to set output resolution to 1080i, press ok to confirm
10. UXGA - Press to set the output resolution to UXGA, press ok to confirm
11. SXGA-Press to set the output resolution to SXGA, press ok to confirm
- 12-14. 1080p, 720p, 480p - Press to set the output resolution to 1080p, 720p, or 480p, press ok to confirm
15. MENU - Press to enter into Menu
16. EXIT - Press to exit from OSD or Menu.
17. OK - Press to confirm every selection.
18. RESET - Press to set to factory default setting.
19. Press to move to desired selection, press ok to confirm





## CONNECTION AND INSTALLATION



## SAFETY INFORMATION

### Safeguards



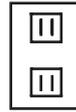
To reduce the risk of electric shock, do not expose this product to rain or moisture



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-HD620. 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-HD620) 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>