



**ATLONA**  
**PROFESSIONAL 1 1- INPUT VIDEO SCALER**  
**WITH DUAL HDMI OUTPUT**  
**AT-LINE-PRO3**

**USER MANUAL**



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## INTRODUCTION

Atlona's AT-LINE-PR03 is an 11-input switcher with built in High Quality Scaler, designed to switch between all of your AV devices and scale them to the native resolution of your displays. This unit is designed to upscale digital/analog video signal from 2 Composite, 1 S-Video, 2 Component, 1 VGA, 1 DVI-I and 4 HDMI input sources, to 2 mirrored HDMI output of wide-range HDTV and PC resolutions, up to 720p or 1080p and WUXGA (1920 x 1200.) Besides video upscaling, this unit also converts digital/analog audio signal to digital format, then output either through HDMI syncing with the video, or Coaxial S/PDIF separately. AT-LINE-PRO3 has a comprehensive OSD menu that allows user to select a variety of output resolutions and adjust for best picture quality. Along with the ability of equalization and amplification, this HDCP Compliant Scaler will also convert between PAL and NTSC.

## FEATURES:

- 11-inputs: 2 x Composite AV, 1 x S-Video, 2 x Component, 1 x VGA, 1 x DVI-I and 4 x HDMI.
- 2 x mirrored HDMI outputs (output signal will be identical on both outputs)
- Supports high definition resolutions 720p, 1080i, 1080p
- Both digital and analog inputs are format converted and pixel re-scaled
- 50Hz/60Hz conversion, perfect for customers who have USA TV's in Europe or other way around(PAL/NTSC)
- Supports VGA and DVI signals with resolutions up to 1920x1080
- VGA shares audio with Composite Video
- Bypass function on VGA and DVI-I port.
- DVI-I support both analog and digital input
- Additional audio output: Analog L/R and Digital Optical.
- 10-bit triple-ADC converter for RGB/YPBPR.
- Dual high quality scaling engines
- Control with IR remote, RS232 and manual input.
- Dual 3-D motion adaptive video de-interlaces.
- 3-D video noise reduction.
- HDCP Compliant
- Operates through on-screen OSD menu control and remote control.

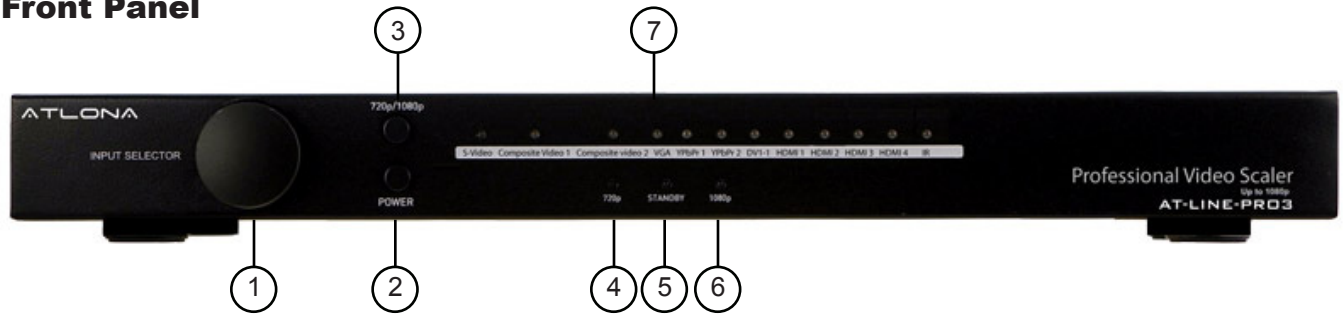
## PACKAGE CONTENTS:

1. Atlona AT-LINE-PRO3 Scaler Box.
2. Remote Controller
3. 5V DC Power Supply Adaptor ( universal 110/220v)
4. Operation Manual
5. Rack ears (pair) x 1

## SPECIFICATIONS

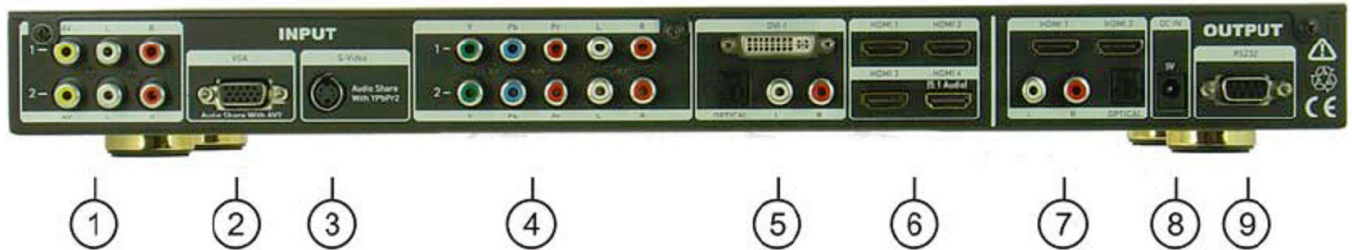
- Digital Video Amplifier Bandwidth: 1.65 Gbps
- Input DDC Signal: 5 volts
- Input Video Signal: 1.2 volts p-p
- Output/Input Resolutions: up to 1080p
- Inputs: 2 x Composite AV, 1 x S-Video, 2 x Component, 1 x VGA, 1 x DVI-I and 4 x HDMI (all with audio)
- Outputs: 2 x HDMI ( Video/Audio) or route Audio through Digital Optical or Analog Audio outputs
- RS232 Control Port
- Power Supply: 5V DC ( universal 110/220v )
- Dimensions: 17.3"W x 1.7 "H x 7.9 "D
- Shipping Weight: 6lbs
- Operating Humidity Range: 5 to 90% RH (no condensation)
- Operating Temperature Range: -5 to +35oC (-41 to +95oF)

### Front Panel



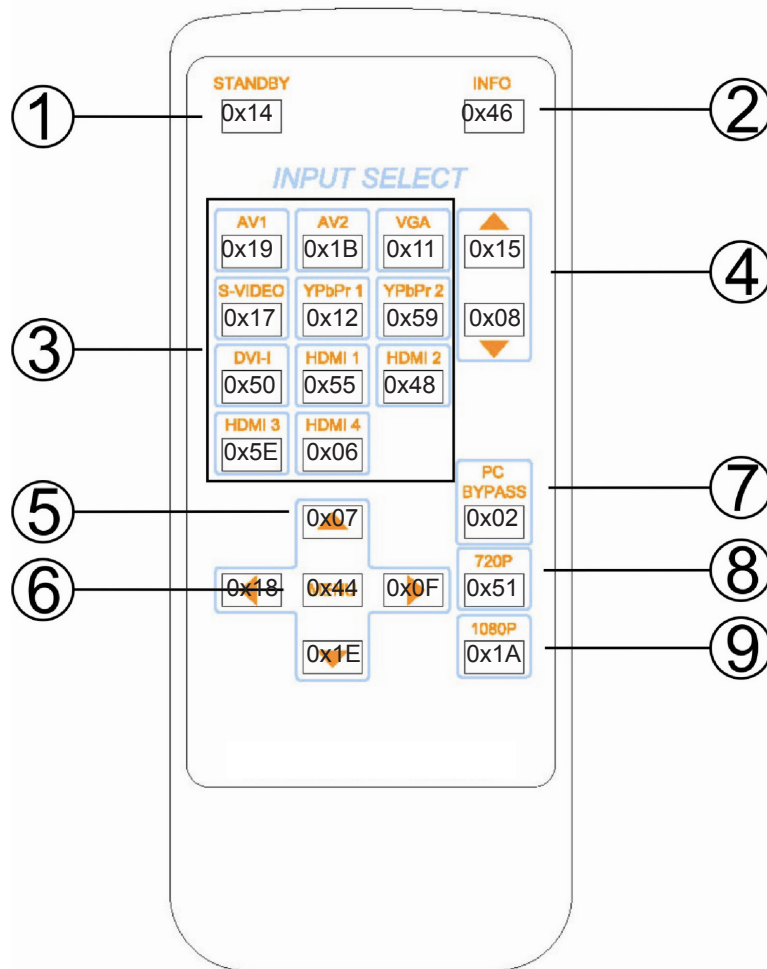
1. Input selection: Knob Left/Right to select desired input selection.
2. Standby: Press Button for power standby..
3. Button of output format rolling between 720P, 1080P and bypass. Bypass function is useful under VGA and DVI-I input.
4. Indicator of 720P.
5. Indicator of power standby. When power is on standby, the LED lights.
6. Indicator of 1080P.
7. Indicator of input sources.

### Rear Panel



1. Input: AV1 and AV2 with Stereo Audio.
2. Input: VGA
3. Input: S-Video
4. Input: Component1 (YPbPr) # 1 and Component1 (YPbPr) # 1 with Stereo Audio.
5. Input: DVI-I with audio R/L and optical.
6. Input: HDMI1 - 4 (supports audio 5.1)
7. Output HDMI1 and 2 with Stereo Audio and Optical.
8. Input: 5V DC Power supply – (universal 110/240v)
9. RS232

## IR REMOTE



1. STANDBY: Press the button once to enter standby mode; press again to power the unit on
2. INFO: Press the button to view the input and output message.
3. INPUT SOURCE: Press any of the button to directly select desired Input source.
4. UP/DOWN: Select between the input sources one by one.
5. UP/DOWN/LEFT/RIGHT: Press UP/DOWN button to move the highlighter bar to the desired parameter in OSD menu. Press LEFT/RIGHT to increase/decrease the setting value of a selected parameter.
6. MENU: Press the button to activate an on screen menu page.
7. PC BYPASS: Press the button to enter bypass mode.
8. 720P: Press the button to directly output 720P.
9. 1080P: Press the button to directly output 1080P.

SYSTEM CODE : 00FF

## OPERATION

- 1) Connect the inputs of the AT-LINE-PRO3 into desired sources (such as AppleTV, Blu-Ray Player, PS3, Set Top Box etc)
- 2) Connect the AT-LINE-PRO3 Outputs to desired HD Displays (such as LCD, DLP or any other standard).
- 3) Power on the desired input source you want to show.
- 4) Connect the 5V DC power supply into the unit and turn on the display you want to watch.
- 5) Use IR remote or manually roll the Knob on the front panel to choose desired input source.

*NOTE: VGA and AV2 share the same Stereo audio input, S-video and YPBPR2 share the same Stereo audio. Atlona's AT-LINE-PRO3 accepts AV, SV, VGA, YPBPR, DVI-I and HDMI inputs.*

## OSD MENU

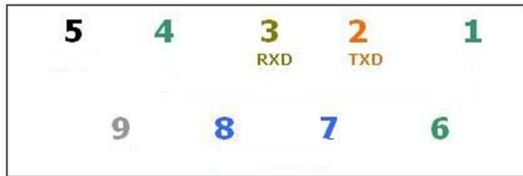
PICTURE	CONTRAST	0~100 of contrast level
	BRIGHTNESS	0~100 of bright level
	SATURATION	0~100 of saturation level
	SHARPNESS	0~100 of sharpness level
	HUE	0~100 of sharpness level
	PICTURE MODE	STANDARD/ DYNAMIC/ SOFT /PERSONAL
	SCALE	FULL/ OVERSCAN/ UNDERSCAN/ LETTERBOX/ PANSCAN
	NR	HIGH/ MID /LOW/ AUTO/ OFF
	RESET	Reset the above parameters to the default factory settings
PC	CONTRAST	0~100 contrast level
	BRIGHTNESS	0~100 of bright level
	H-POSITION	0~100 of H position level
	V-POSITION	0~100 of V position level
	H-SIZE	0~20 of H size level
	V-SIZE	0~20 of V size level
	RESET	Reset the above parameters to the default factory settings
OSD	H-POSITION	0~100 of H position level
	V-POSITION	0~100 of V position level
	DURATION	5s/ 15s/ 30s/ 60s
	HALFTONE	0~8 of halftone level
	RESET	Reset the above parameters to the default factory settings

## OUTPUT FORMAT

INPUT	
AV/SV	PAL, NTSC
YPBPR/HDMI	480i,480P,576i,576P,720P@[50/60], 1080i@[50/60],1080P@[50/60]
VGA/DVI	800x600@60, 1024x768@60,1152x864@60, 1280 x768@60, 1280 x960@60,1280x1024@60, 1440 x900@60,1400 x1050@60, 1600 x1200@60,1920 x1200@60
VESA-BYPASS	800x600@60,1024x768@60,1280 x720@60, 1280x1024@60, 1280 x960@60,1440 x900@60,1600 x1200@60,1920 x1080@60
OUTPUT	
AV/SV/YPBPR/HDMI/VGA/DVI	720P@[50/60], 1080P@[50/60]
VESA-BYPASS	800x600@60,1024x768@60,1280 x720@60, 1280x1024@60, 1280 x960@60,1440 x900@60,1600 x1200@60,1920 x1080@60

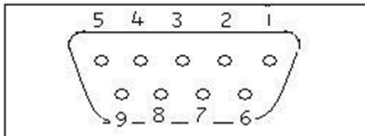
## RS232 COMMANDS

Baud Rate: 9600 bps  
 Data Bits: 8 bits  
 Parity : None  
 Stop Bits: 1  
 Flow Control: None

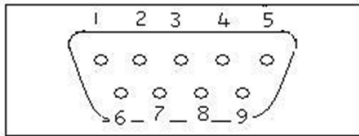


TXD transmit serial data to PC  
 RXD receive serial data from PC

The RS232 connector on our product is female type. User can use the USB to RS232 cable. or use the direct serial cable. The female side connect to PC RS232 port, the male port connect to the RS232 port on our product



female type (nine holes)



male type (nine pins)

## RS232 CONTROL PROTOCOL

The connection between AT-LINE-PRO3 and remote controller with RS-232 modem cable

AT-LINE-PRO3		Remote Controller	
PIN	Definition	PIN	Definition
1	NC	1	NC
2	Tx	2	Rx
3	Rx	3	Tx
4	NC	4	NC
5	GND	5	GND
6	NC	6	NC
7	NC	7	NC
8	NC	8	NC
9	NC	9	NC









