

## User Manual

# 4x2 Composite Video/S-Video/Analog Audio Matrix Switcher AT-SAV-42M



FRONT



BACK

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## INTRODUCTION

Atlona Technologies' AT-SAV-42M is a 4x2 S-Video/Composite Video and Analog Audio Matrix Switcher designed to work as a switcher for multiple Audio/Video sources and displays. This Atlona unit is capable of switching Composite Video, S-Video and Stereo Audio signals between four sources and two displays. Because it is a matrix switch, any or all of the 4 inputs can simultaneously be switched to either or both of the outputs. With a maximum bandwidth of 260MHz, this device will support sharp and highly defined video in multiple resolutions of up to 480i/576i. This unit has quick and easy installation. With manual as well as IR Remote control options, Atlona's AT-SAV-42M Matrix Switcher is perfect for all Video equipment that using S-Video signal such as Cable and Satellite receivers, VCRs, DVD Players, Set Top Boxes...etc.

## FEATURES

- Switches S-Video, Composite Video and Analog Audio between 4 sources and 2 displays.
- Matrix Switch: each input can be directed to either or both outputs at the same time
- IR Remote control or Manual
- Supports resolutions up to 480i & 576i
- Quick and easy installation

## PACKAGE CONTENTS

- 4x2 Matrix Switcher (AT-SAV-42M)
- Instruction Manual
- IR Remote Control
- Universal AC/DC poweradapter: 12VDC (110-240V)
- 3-RCA to 3-RCA cable 6ft (2m)
- S-Video to S-Video cable 6ft (2m)

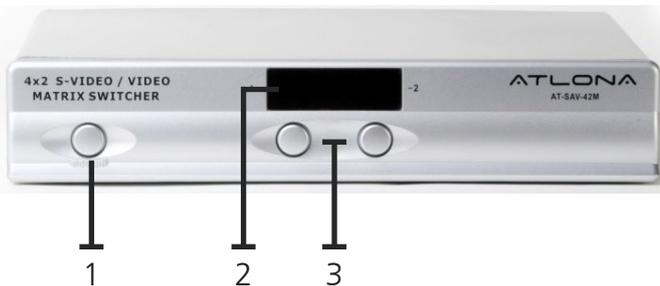


## SPECIFICATIONS

Video Inputs	4 x Composite Video / 4 x S-Video
Video Outputs	2 x Composite Video / 2 x S-Video
Audio Inputs	4x Stereo R/L, 40K $\Omega$ on RCA Connectors
Audio Outputs	2x Stereo R/L, 400 $\Omega$ on RCA Connectors
Video Bandwidth	>260MHz
Video Distortion	<1.2db (Standard +/- 3db)
Audio Input impedance	10K Ohms
Channel Isolation	>50db
S/N Ratio	>50db
Power Consumed	500mA Maximum @300mA
Power Source	12 Volts DC

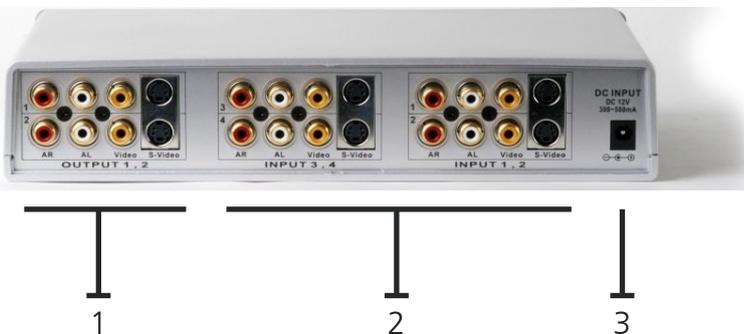
## PANEL DESCRIPTIONS

### 1. Front Panel



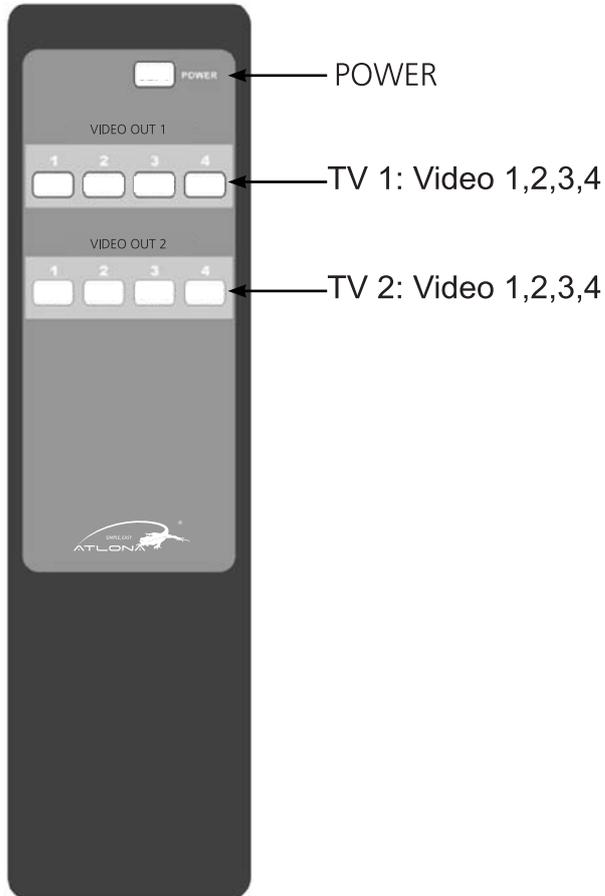
1. Power SWITCH: Power Unit ON/OFF
2. IR: IR Sensor
3. Video Selection Buttons: Press for desired Video Input/Output setting

### 2. Rear Panel



1. Outputs: 2 x Composite/S-Video/Audio.
2. Inputs: 4 x Composite/S-Video/Audio.
3. Power Input: 12V DC

## IR REMOTE CONTROL



## CONTROLS

Atlona's AT-SAV-42M can be controlled through IR Remote or Manually.

If you have four devices hooked up to the four inputs and two video displays connected to the AT-SAV-42M's video outputs, use the IR remote to select which video input will be viewed on which Display. The IR remote is divided into two sections; TV-1 and TV-2. To select video input for TV-1 simply press the desired video input button. Likewise for TV-2

Or

When controlling the AT-SAV-42M manually, select desired video input by pressing the corresponding selection button for each display. To select a video input you must press the video selection button multiple times to cycle through the available video inputs. For example; to select AV input 3 on TV-1, press the TV-1 video selection button associated with TV-1 three times.

**Function-1**

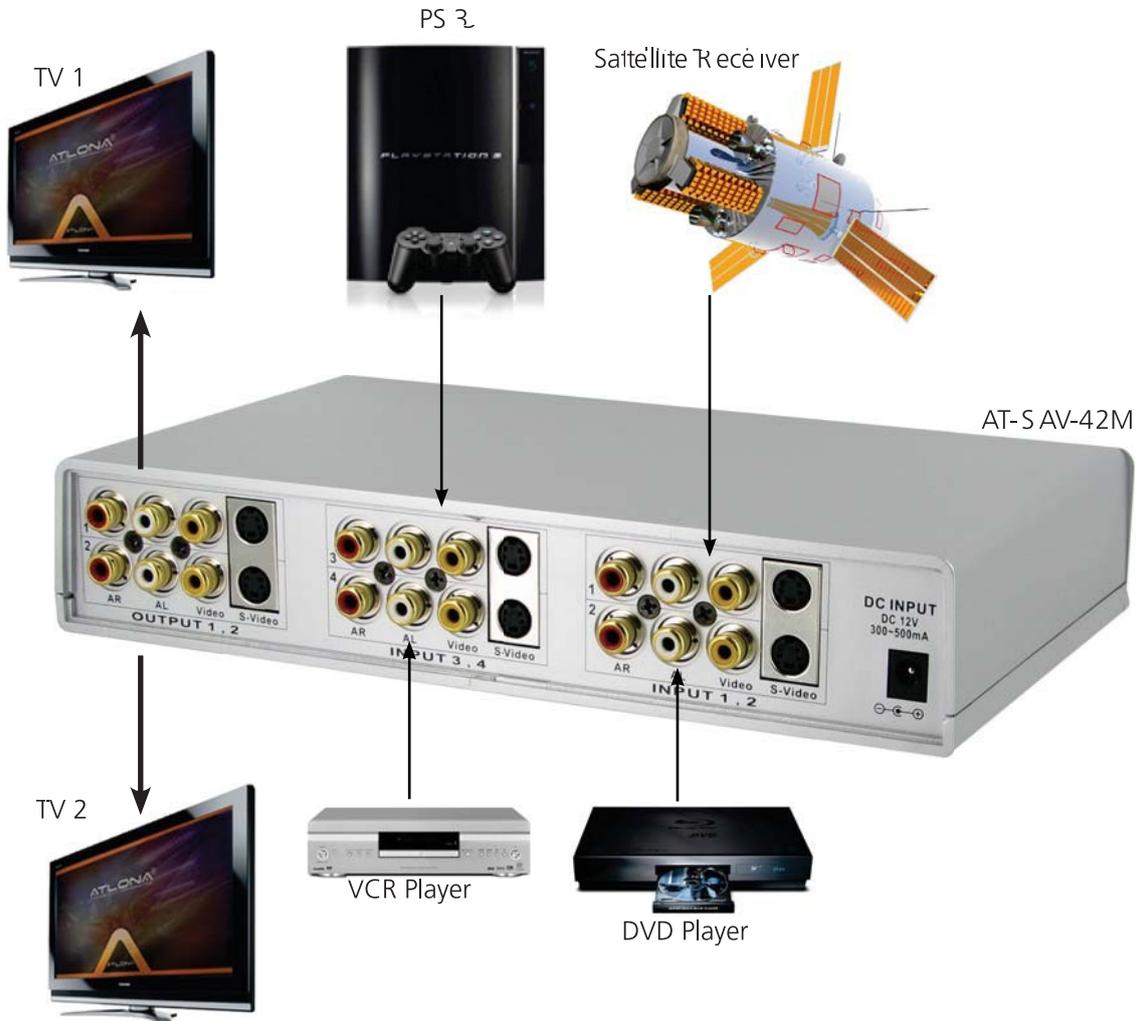
Composite Video Switcher

**Function-2**

S-Video (Y/C) Switcher



## INSTALLATION



1. Switch off all devices, including monitors.
2. Connect all sources to the Desired Video/Audio Inputs
3. Connect all displays to desired Audio/Video Outputs
4. Plug in 12V DC power supply.
5. Power on the monitors.
6. Power on the sources.
7. Power on AT-SAV-42M

## SAFETY INFORMATION

### Safeguards



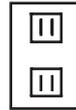
To reduce the risk of electric shock, do not expose this product to rain or moisture



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-SAV-42M. 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-SAV-42M) 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>