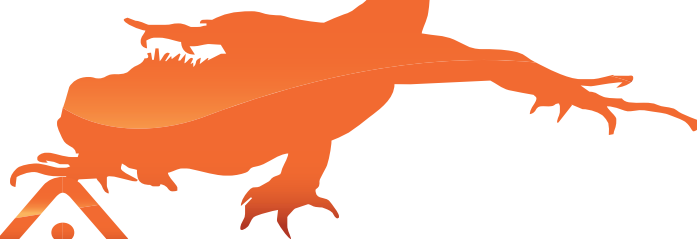




*SIMPLE, EASY*

# ATLONA



**ATLONA**  
**4x2 COMPONENT MATRIX SWITCHER**  
**WITH STEREO AUDIO**  
**AT-CV42M**

**USER MANUAL**



## TABLE OF CONTENTS

|                                 |       |   |
|---------------------------------|-------|---|
| 1. Introduction                 | ..... | 1 |
| 2. Features                     | ..... | 1 |
| 3. Package Contents             | ..... | 1 |
| 4. Specifications               | ..... | 2 |
| 5. Panel Descriptions           | ..... | 2 |
| 5.1. Front Panel                | ..... | 2 |
| 5.2. Rear Panel                 | ..... | 2 |
| 6. Remote Control               | ..... | 4 |
| 7. Installation                 | ..... | 4 |
| 8. Typical Application          | ..... | 5 |
| 9. Safety Information           | ..... | 6 |
| 10. Warranty                    | ..... | 7 |
| 11. Atlona Product Registration | ..... | 8 |

## INTRODUCTION

Atlona Technologies' AT-CV42M is one of the most innovative Component Matrix switchers with Stereo Audio on the market. The AT-CV42M has 4 individual Component Video (RCA) inputs with Stereo Audio and 2 individual outputs. Because it is a matrix switch, any input can rout to any output; and the same input can rout to all outputs or any other combination. Boasting high speed Video Bandwidth of 250MHz, Maximum 300Mhz, this unit is ideal for connecting sources including: (VCRs, Camcorders, Video Game Consoles, DVDs, Satellite Receivers, Set Top Boxes, etc.) to desired displays such as: (HDTV, LCDs, Plasma Monitors, Video Projectors, etc.) Selection of inputs can be achieved manually through the Front Panel or an Infrared Remote Control unit. Switch witch with flawless and crystal-clear distribution of all HDTV video formats up to 1080p as well as audio signals. With these attributes, the AT-CV42M is a great matrix switch capable of handling High Definition Television applications.

## FEATURES:

- 4 inputs to 2 outputs Component Video (Matrix Switcher)
- Supported Signals:
  - Component Video: YPBPR
  - Audio : Stereo Audio (Audio Right/Audio Left)
- Control Through IR remote control and Manually via Front Panel Buttons
- Video Bandwidth: 250MB
- Resolutions: 480p, 576p, 720p, 1080i, 1080p
- Included 19 inch Ear mounts
- Power supply DC12Volt, Universal Type Switch 100~230VAC, 50/60Hz

## PACKAGE CONTENTS:

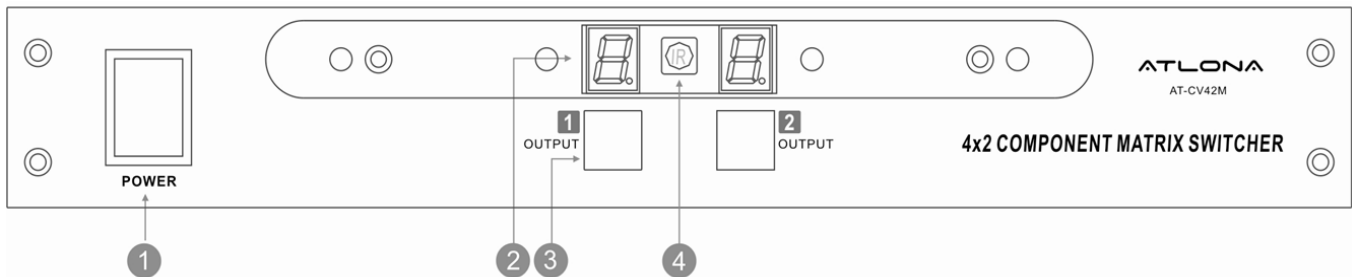
- AT-CV42M Matrix Switcher x 1
- Instruction Manual x 1
- IR Remote Controller
- Universal AC Adaptor : 12V
- 19in. Rack Mount ears ( pair ) x 1

## SPECIFICATIONS

|                  |   |
|------------------|---|
| Type of Switcher | 4 inputs to 2 outputs, Component Video/Stereo Audio Matrix Switch                         |
| I/O Signals      | Component Video (YPBPR) 0.5~1.0Vpp, DDC 5Vpp, Stereo Audio, 2x RCA connectors (Red/white) |
| Video Bandwidth  | 250MHz (-3db), 60mVp-p  |
| Video Supported  | High Resolution formats 480i/p, 720p & 1080i/p (PAL/NTSC)                                 |
| Audio Supported  | Stereo Audio 20Hz ~ 20KHz   |
| Controls         | IR remote & Select buttons on the front panel   |
| Safety Approvals | CE, FCC, RoHS(2002/95/EC)   |
| Power Supply     | 12V DC/0.66A (consumption 0.42A Max)  |
| Shipping Weight  | 1.85 Kgs / 3.08 lb  |

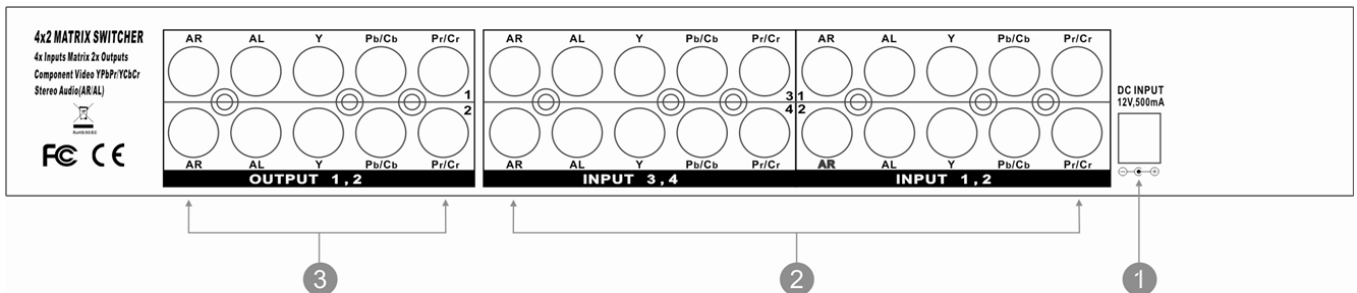
## PANEL DESCRIPTIONS

### 1. Front Panel



1. POWER SWITCH. The power switch turns the unit ON and OFF. The LED will illuminate red to indicate that the switcher is ON
2. OUTPUT STATUS LED DISPLAY. Output channels 1 - 4 show from LED display and illuminate red to indicate that desired video source is present on that input.
3. INPUT SOURCE SELECT . Select between input sources 1 - 4
4. IR SENSOR. The IR sensor receives IR commands from the supplied remote controller.

### 2. Rear Panel



1. DC power plug-park input connector. Ensure that the plug-park used is an approved type and has sufficient current carrying capacity with the correct voltage and connector polarity. 12Volt DC power supply 0.66A Max.

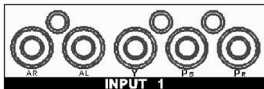
Power Jack:



DC Jack - inner OD O 2.1mm (+ )  
Outside OD O 5.5mm (GND)  
Power input - 12VDC, 0.66A

2. INPUTS: 1-4 Component/Stereo Audio. Connect desired source of Component Video(YPBPR)/ Stereo Audio devise to the switcher.

Inputs 1-4 port source signals :  
Component Video(YPBPR),  
3x RCA Connectors,  
Stereo Audio,  
2x RCA Connectors

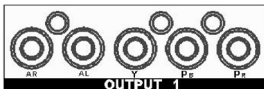


Component Video (YPBPR) Via 3x RCAs  
Stereo Audio(AR/AL) Via 2x RCA connectors

*Note: With 6x RCA female connectors.*

3. OUTPUTS 1- 2 Component/Stereo Audio. Connect desired signal with Component Video(YPBPR)/ audio direct to Female RCA connector. This connector supports component video & audio to HDTV display device.

Outputs 1- 24 display port signals :  
Component Video(YPBPR),  
3x RCA Connectors,  
Stereo Audio,  
2x RCA Connectors

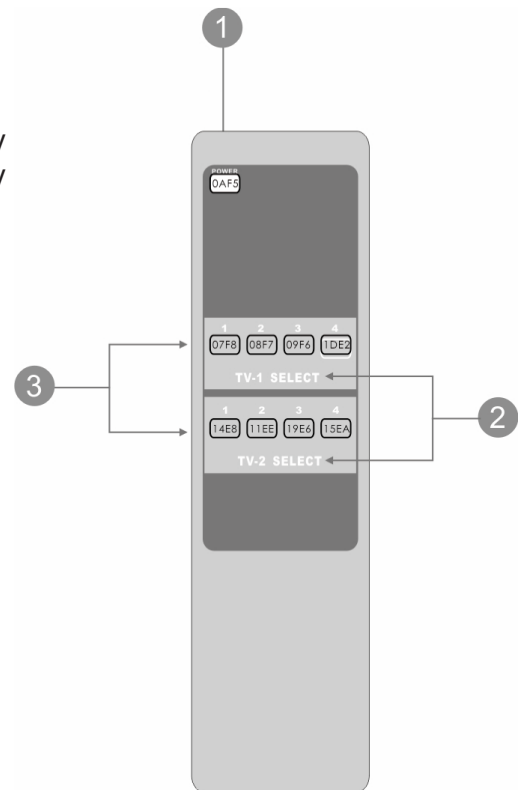


Component Video (YPBPR) Via 3x RCAs  
Stereo Audio 2x RCA'S

*Note: With 5x RCA female connectors.*

## REMOTE CONTROL

1. SWITCH POWER ON or OFF.  
Controller with a separate power to turn ON and OFF
2. OUTPUT 1-2 : OUTPUT TO TV DISPLAYS.  
Output -1 : TV-1 Component Video (YPBPR) HDTV Display  
Output -2 : TV-2 Component Video (YPBPR) HDTV Display
3. INPUT 1-4 : INPUT VIDEO SOURCES SELECTION.  
Input -1 : AV-1 Component Video (YPBPR) Signal source device  
Input -2 : AV-2 Component Video (YPBPR) Signal source device  
Input -3 : AV-3 Component Video (YPBPR) Signal source device  
Input -4 : AV-4 Component Video (YPBPR) Signal source device

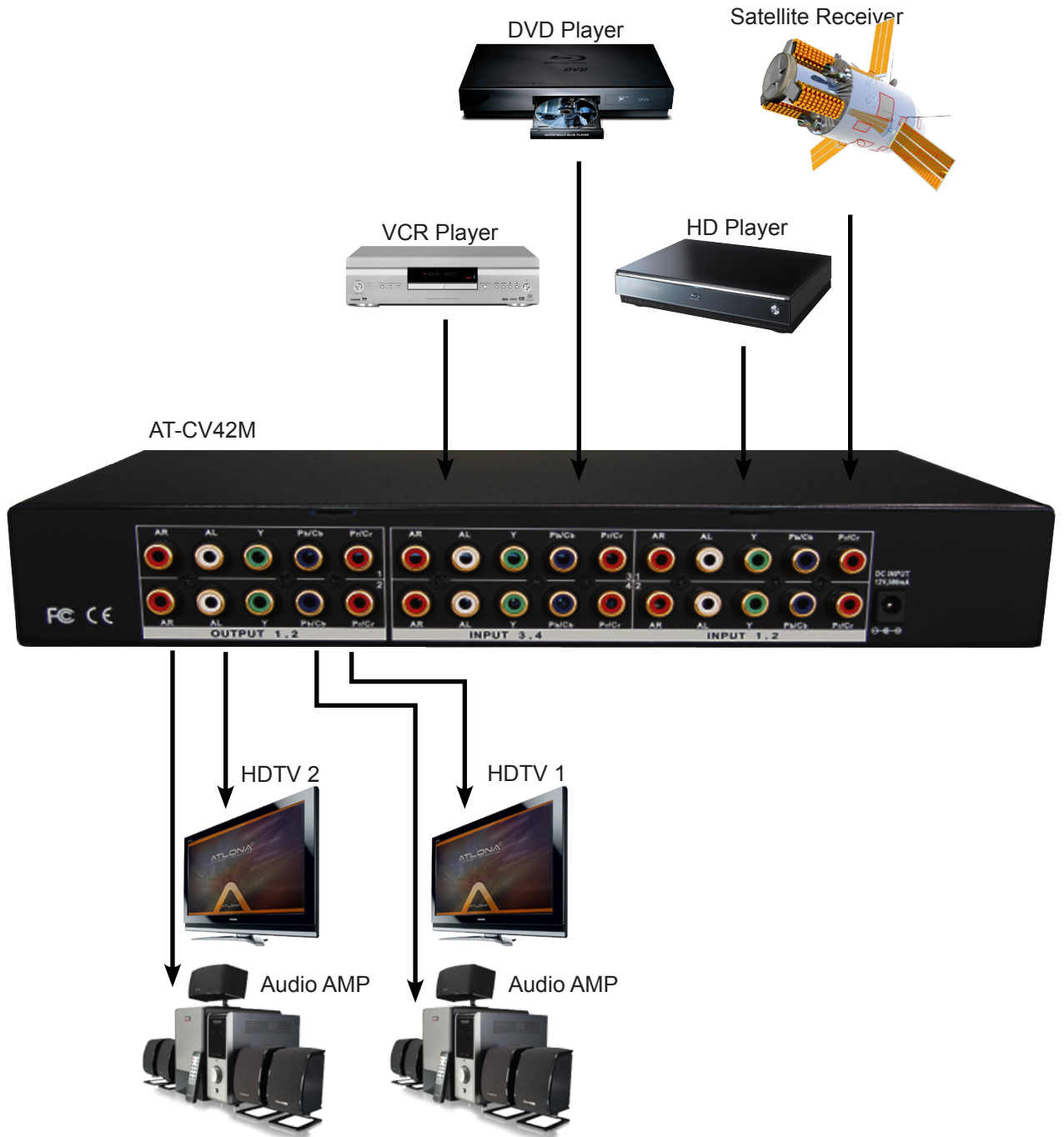


## INSTALLATION

INPUTS 1 - 4 COMPONENT SOURCES :  
COMPONENT VIDEO : Component Video(YPBPR)  
AUDIO : Stereo Audio

OUTPUT 1 – 2 HDTV DISPLAY SIGNALS :  
COMPONENT VIDEO : Component Video(YPBPR)  
AUDIO : Stereo Audio

TYPICAL APPLICATION



### Safeguards

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

If the wall plug does not fit into your local power socket, hire an electrician to replace your obsolete socket.

Do not modify the wall plug. Doing so will void the warranty and safety features.

This equipment should be installed near the socket outlet and the device should be easily accessible in 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 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. Do not use cleaning fluid or aerosols, which could enter the unit and cause damage, fire or electrical shock. Some substances may also mar the finish of the product.

Never open or 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-CV42M. Opening the product will void the warranty.

Do not attempt to service the unit. Instead disconnect it and contact your Authorized ATLONA reseller or contact ATLONA directly.



**1. LIMITED WARRANTY**

Atlona Technologies warrants that (a) its products (the “Product”) 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 Customer.

**2. CUSTOMER REMEDIES**

Atlona Technologies and its suppliers’ entire liability and Customer’s exclusive remedy shall be, at Atlona Technologies’ option, either return of the price paid for the Product, or repair or replacement of the Product that does not meet this Limited Warranty and which is returned to Atlona Technologies with a copy of Customer’s receipt. This Limited Warranty is void if failure of the Product has resulted from accident, abuse, or misapplication. Any replacement Product will be warranted for the remainder of the original warranty period or 3 year, whichever is longer.

**3. NO OTHER WARRANTIES**

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