

Atlona 8 by 8 Composite Video and Stereo Audio Matrix Switch

AT-AV0808N



User Manual

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INTRODUCTION

The Atlona AT-AV0808N is a true matrix switcher with 8 composite video and stereo audio inputs and outputs. Because it is a matrix switch you can associate any of the 8 A/V inputs to any of the 8 outputs. This gives you great flexibility over other ordinary switchers!! The AT-AV0808N can be used with up to 8 sources such as a VCR or DVD and connected to up to 8 displays. There are several remote control options such as the supplied hand held IR remote, RS-232 for computer or touch panel control and an IR extender solution for control from another zone. Operation can be achieved from the front face panel or remotely.

PACKAGE CONTENTS

- 1 X Atlona AT-AV0808N (8 X 8 composite video + stereo audio matrix switcher)
- 1 X 12VDC power supply with detachable power cord
- 1 X instruction manual
- 1 X RS-232 cable
- 1 X control software package
- Rack-Ears (pair)
- 1 X IR remote control
- 1 X IR extender kit

FEATURES

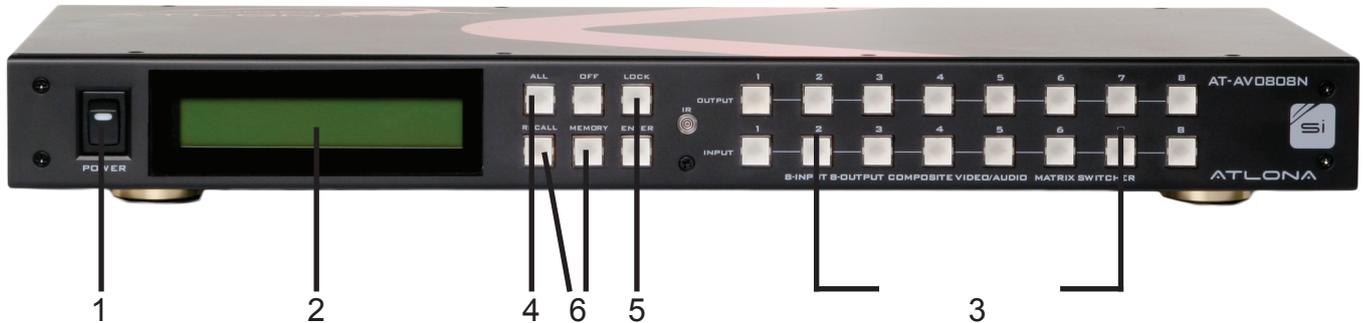
- Composite video + stereo audio 8 x 8 matrix switcher
- Able to independently select up to 8 sources and associate them to any or all of up to 8 connected displays
- Compatible with all composite video devices such as VCR or DVD
- Remote solutions include hand held IR remote control (included), IR extender (included) and RS-232 (cable included) for computer or touch panel operation
- Control software package for RS-232 operation
- Manual control via front panel buttons
- LCD read out provides live visual status for all inputs and outputs
- Supports NTSC or PAL video systems

SPECIFICATIONS

- Inputs: 8 X A/V (composite video + stereo audio), 1 x IR EXT, 1 x RS-232
- Outputs: 8 X A/V (composite video + stereo audio), 1 x RS-232
- Power Supply: 12VDC (universal 110/220v)
- Dimensions (W X D X H): 17.50" X 8.25" X 2" (444.5 X 209.55 X 50.8mm)
- Weight: 5.41LB (3.25Kgs)

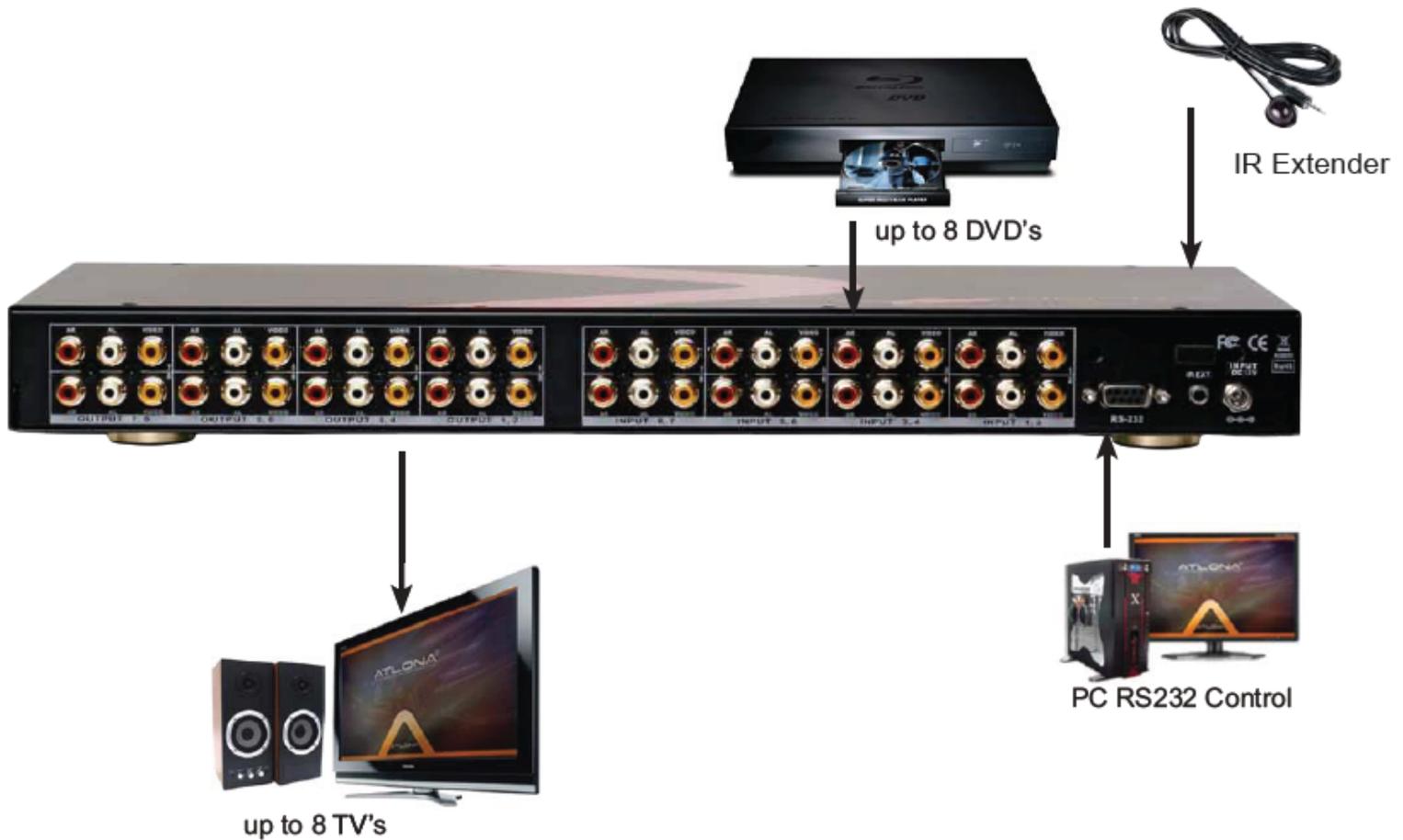
PANEL DESCRIPTIONS

1. Front Panel



- 1. Power switch:** Press top of power switch to turn on. LED will illuminate red to indicate the switcher is receiving power. Press bottom of power switch to turn power off.
- 2. LCD display:** Confirmation and status of each key selection is displayed on the LCD readout.
- 3. 2 X 1-8 Keypads (bottom input/top output):** Used to select individual output/input channels or to save/recall preset commands.
Example: Select output channel from the top row of 1-8 keys followed by the input channel from the bottom row of 1-8 keys to associate the two channels.
- 4. ALL Key:** To transfer an input channel to all output channels or to switch off all input channels.
Example: To transfer an input to all outputs: Select the ALL key, then select an input followed by the the ENTER key.
Example: To switch off ALL input channels: Select OFF then select ALL followed by the ENTER key.
- 5. LOCK Key:** Press and hold the LOCK key for 3 seconds to lockout all keypad functionality. Pressing the LOCK key again will restore keypad functionality.
- 6. Memory/Recall Keys:** Used to store or recall presets for inputs and outputs.
Example: Select the desired output and input combination for each audio/video zone you wish to store as a preset. Select the MEMORY key followed by a preset location from the bottom row of numbered keys. Selecting the ENTER key will save the preset memory position.
Example: To recall a preset select the RECALL key, then the number of the memory preset followed by the ENTER key.

CONNECTION AND OPERATION

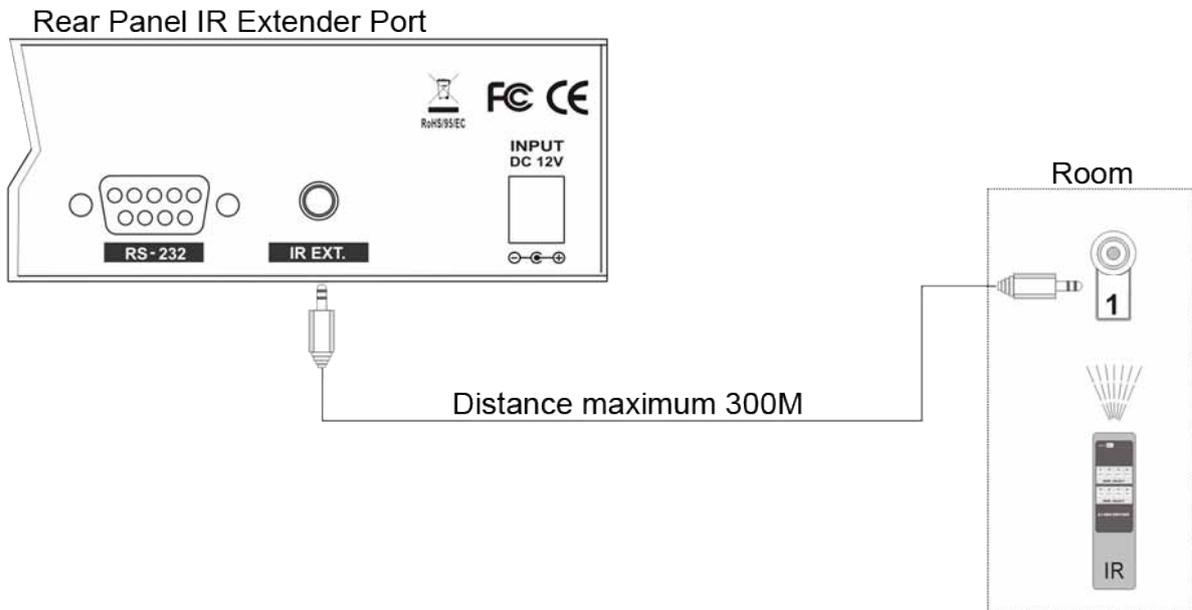


2. Back Panel

1. Connect the output of a composite video source such as a VCR or DVD to the composite video and L/R audio inputs of the AT-AV0808N.
2. Connect the composite video output to the composite input of your display.
3. Connect the audio L/R stereo outputs to your display or amplifiers input.
4. If utilizing RS-232 for control, hook up the supplied RS-232 cable from the AT-AV0808N to your computer or touch panel display.
5. If utilizing an IR Extender, connect the supplied extender kit from the IR EXT port on the back of the AT-AV0808N to the receiver.

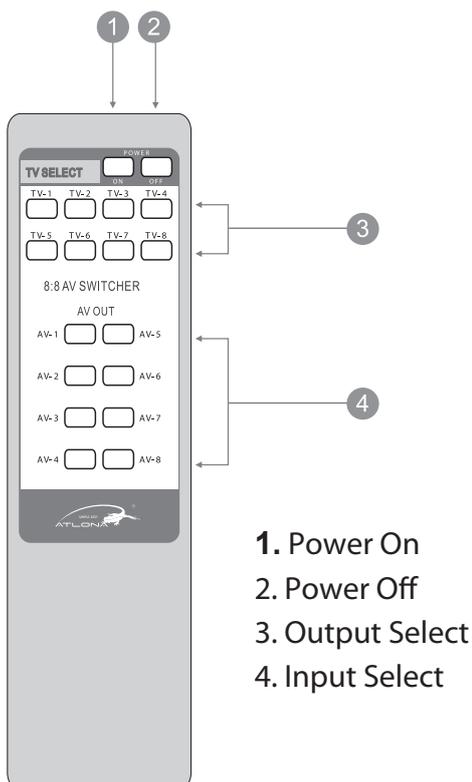
IR EXTENDER

1. IR Extender Connection



REMOTE CONTROL

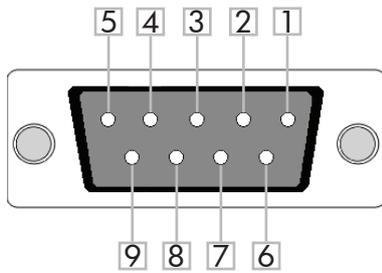
The supplied remote control provides IR selection for 1-8 display output and 1-8 source input, plus power ON/OFF. IR HEX codes available from www.Atlona.com website.



RS-232

Connection

RS-232 is connected through a 9-pin female D connector. The pins will have functions associated with them, some will be unassigned.



No.	Pin	Function
1	----	Not used
2	Tx	Transmit
3	Rx	Receive
4	----	Not used
5	Gnd	Ground
6	----	Not used
7	----	Not used
8	----	Not used
9	----	Not used

Baud Rate: 9600bps

Data Bit: 8bits

Parity: None

Stop Bit: 1bit

Command

The command codes are very sensitive, do not change capitalization, spacing, or lettering.

Command	Feedback	Description
PWON	PWON	Power on
PWOFF	PWOFF	Power off
All#	All#	Resets all inputs to corresponding outputs (in3 to out3)
x1\$	x1\$	Turns off output channel (to turn off output 3 = x3\$)
x1AVx2	x1AVx2	Switch input to output (input 3 to output 5 = x3AVx5)
x1AVx2,x3,x4	x1AVx2,x3,x4	Switch input to multiple outputs (input 3 = x3AVx1,x2)
Statusx1	x7AVx1	Shows what input is connected to selected output
Status	x1AVx1, x2AVx2, x3AVx4,	Displays which inputs are currently connected to which outputs
Save[Y]	Save2	Saves settings for future use, saves vary from 0 to 9
Recall[Y]	Recall2	Pulls up saved settings for the number you selected
Clear[Y]	Clear2	Erases the save for the number you selected
Mreset	Mreset	Sets matrix back to the default settings

Each command or feedback is terminated with a carriage return.

Note: If the command fails or is incorrect the feedback should be "Command FAILED"

Safety Information

Safeguards



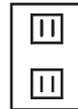
To reduce the risk of electric shock, do not expose this product to rain or moisture



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 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-AV0808N. 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-AV0808N) 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>