

**Specifications:** (typical @25° C)

**Audio**

**Bandwidth:** 20-20kHz  
**Crosstalk:** -90 dB  
**Dynamic Range:** 6.0 Vp-p  
**THD:** 0.01%

**Video**

**Bandwidth:** DC-20MHz  
**Crosstalk:** -60 dB

Specifications subject to change without notice.

### CHANNEL VISION Limited Warranty

Channel Vision Technology will repair or replace any defect in material or workmanship which occurs during normal use of this product with new or rebuilt parts, free of charge in the USA, for two years from the date of original purchase. This is a no hassle warranty with no mail in warranty card needed. This warranty does not cover damages in shipment, failures caused by other products not supplied by Channel Vision Technology, or failures due to accident, misuse, abuse, or alteration of the equipment. This warranty is extended only to the original purchaser, and a purchase receipt, invoice, or other proof of original purchase date will be required before warranty repairs are provided.

Mail in service can be obtained during the warranty period by calling (800) 840-0288 toll free. A Return Authorization number must be obtained in advance and can be marked on the outside of the shipping carton.

This warranty gives you specific legal rights and you may have other rights (which vary from state to state). If a problem with this product develops during or after the warranty period, please contact Channel Vision Technology, your dealer or any factory-authorized service center.

500-059 rev C

# A4601/A4601R

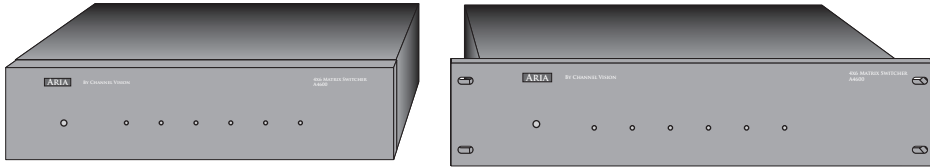
## 4x6 A/V matrix controller



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# A4601/A4601R

## 4x6 A/V matrix controller



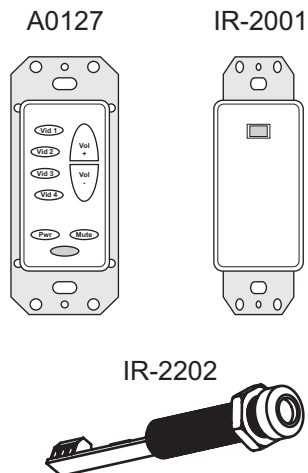
The **A4601/A4601R...** is a 4 input 6 output matrix A/V controller designed for whole-house audio systems.

The unit is organized into 4 audio/video inputs and 6 audio/video outputs. The A4601 is intended to be used with a multichannel audio amplifier, such as the A1260.

Any of the 4 source inputs can be selected and routed to any of the 6 outputs (or zones) independent of the other zones through the use of an IR repeating keypad (such as the A0127- Sold separately).

The A4601R is equipped with a rack mount faceplate to allow installations in a standard 19" equipment rack.

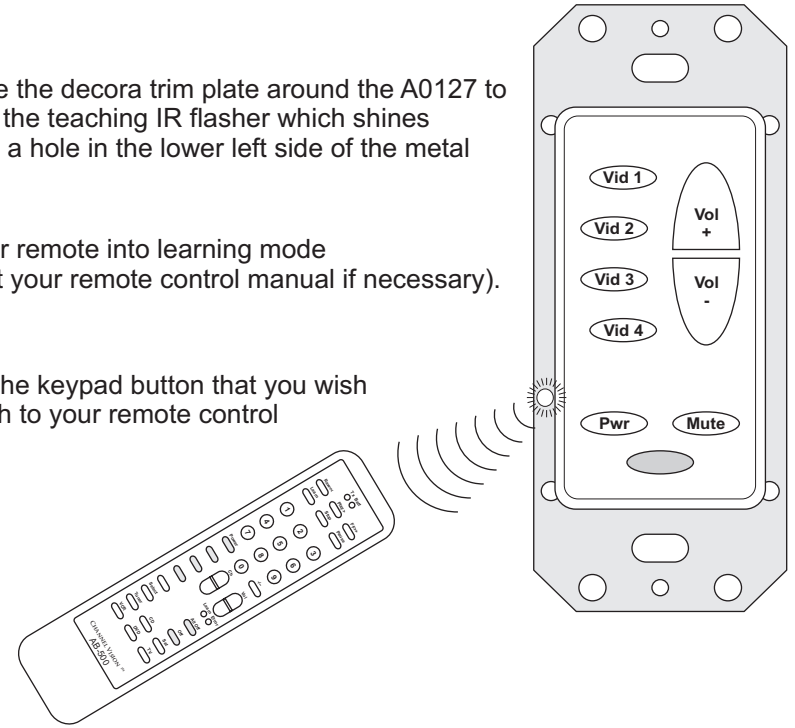
**Control of the A4601...** is accomplished through the use of an IR repeating device, such as the A0127 keypad. The A0127 already contains the IR codes necessary to operate the A4601, but you may also use a standard IR receiver or a 3rd party keypad. When using a simple IR receiver, you will need to program a learning remote control with the IR codes for the A4601. These codes can be downloaded from [www.channelvision.com](http://www.channelvision.com), or learned from an A0127.



### Teaching IR commands from the A0127...

The A0127 can 'teach' its IR commands to your universal learning remote (note: your remote must be able to learn IR commands in button by button learning mode - remote controls that learn from preset libraries will not work).

1. Remove the decora trim plate around the A0127 to expose the teaching IR flasher which shines through a hole in the lower left side of the metal frame.
2. Set your remote into learning mode (consult your remote control manual if necessary).
3. Press the keypad button that you wish to teach to your remote control



### Downloading IR commands for the A4601...

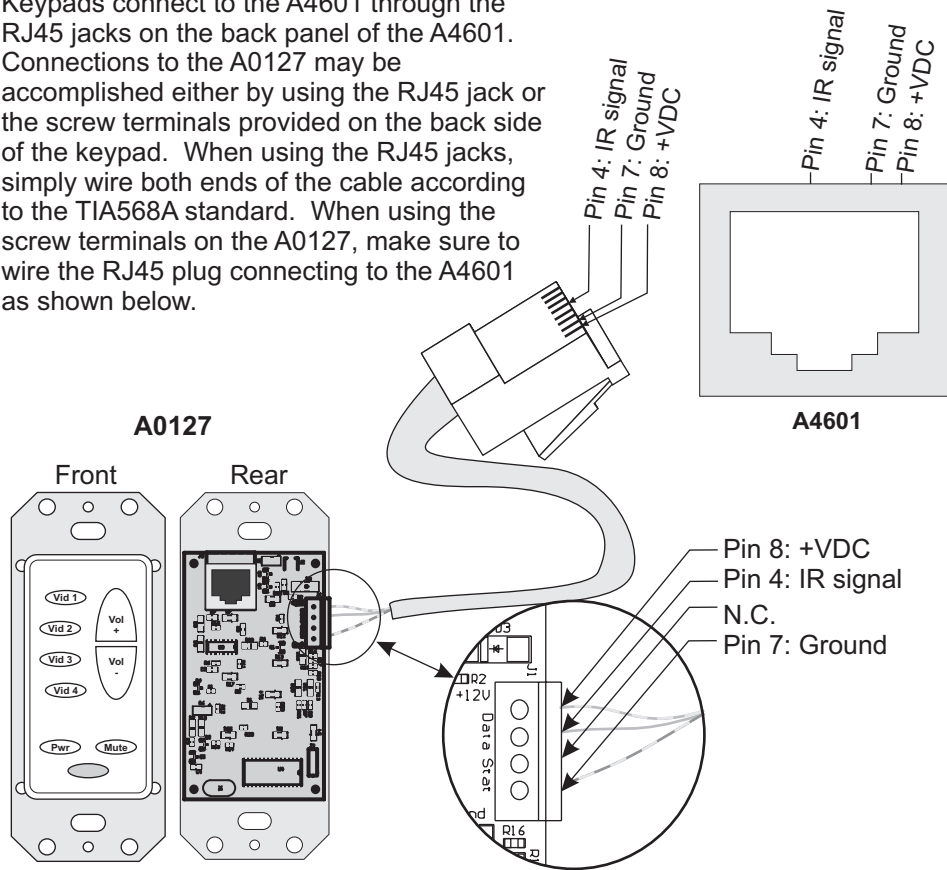
If you don't have access to the A0127, you will need to download IR codes for your remote control. IR codes compatible with the Philips Pronto remote controls can be downloaded from the following websites:

[www.channelvision.com](http://www.channelvision.com)

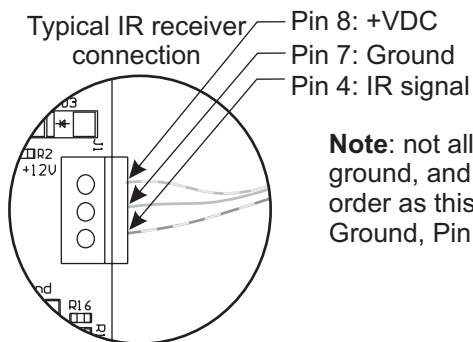
[www.remotecentral.com](http://www.remotecentral.com)

## Wiring the A0127 keypad...

Keypads connect to the A4601 through the RJ45 jacks on the back panel of the A4601. Connections to the A0127 may be accomplished either by using the RJ45 jack or the screw terminals provided on the back side of the keypad. When using the RJ45 jacks, simply wire both ends of the cable according to the TIA568A standard. When using the screw terminals on the A0127, make sure to wire the RJ45 plug connecting to the A4601 as shown below.

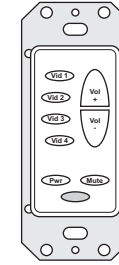


**Connecting a standard IR repeater to the A4601...** A standard IR repeating device may be connected directly to the A4601 allowing the unit to be controlled from a learning IR remote. The connection is similar to the wiring configuration shown above for the A0127, except there are only three wires as shown below.

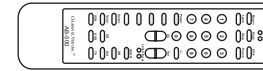


**Note:** not all IR receivers have the voltage, ground, and signal connections in the same order as this diagram. Pin 8: +VDC, Pin 7: Ground, Pin 4: IR.

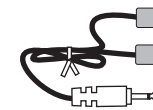
## Accessories



**A0127 ...** IR repeating keypad. Preprogrammed to control the A4601 and is capable of teaching its commands to a learning IR remote control.



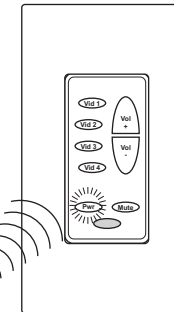
**AB-500 ...** Universal remote control.. Learns IR codes for up to 6 sources.



**IR-3003 & IR-3002 ...** Single and dual head IR flashers. Use one head per source to control from the remote room. (IR-3002 shown).

## How IR repeating works

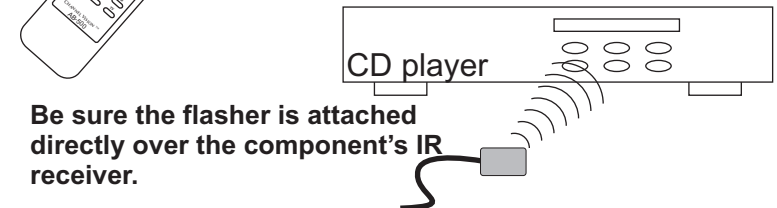
Point any IR remote control at an IR receiver (such as the A0127 shown here).



Many IR receiving devices provide an indication that an IR command has been received.

On the A0127, the Pwr button flashes as IR information is received.

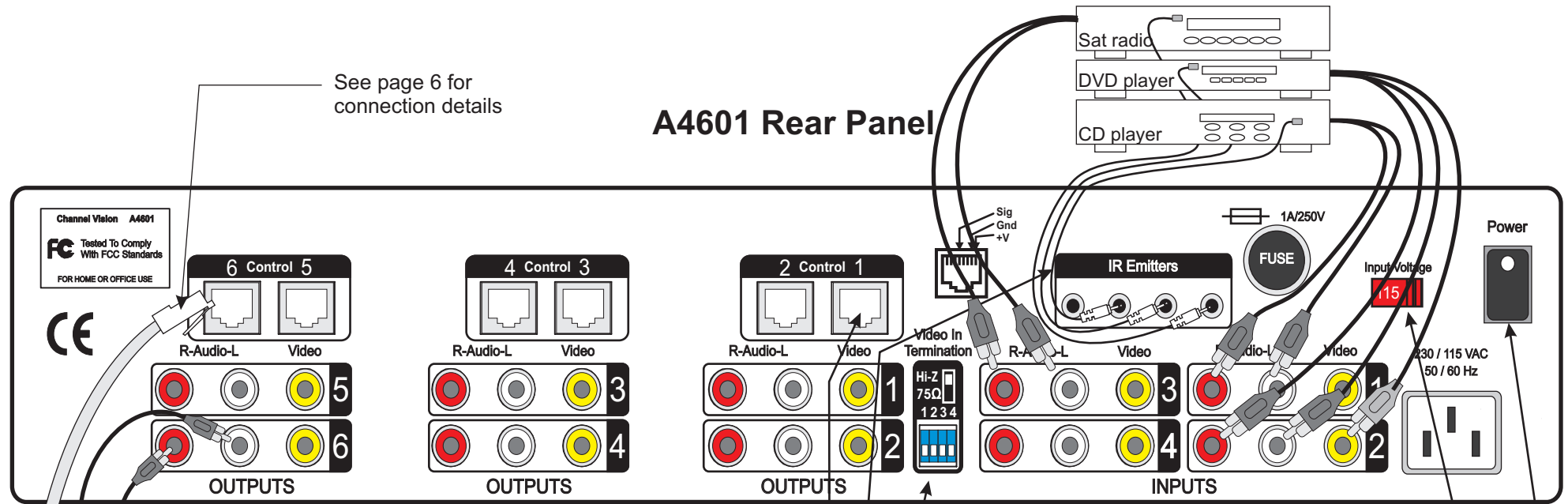
And the flasher repeats the IR signal in the other room.



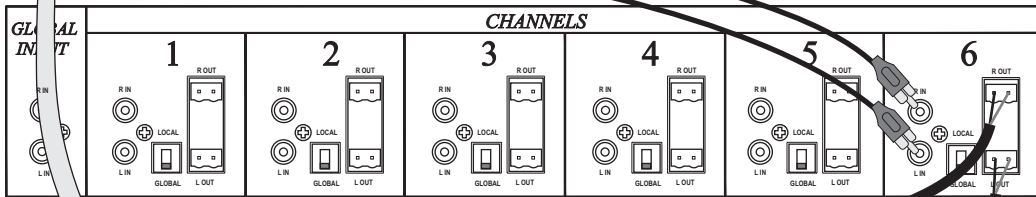
Be sure the flasher is attached directly over the component's IR receiver.

See page 6 for connection details

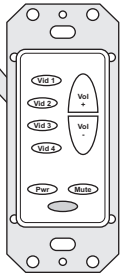
## A4601 Rear Panel



- Selector switch allows 110-120 or 220-240 operation.
- Power switch.
- When splitting the video signal from a source component, use the dip switch to enable the Hi-Z mode on that input.
- IR emitter outputs allow IR-3002 flashers to be connected for remote control of source components.
- Each zone is controlled through the A0127 keypad which connects to the RJ45 jacks on the rear panel.
- Computer-grade components throughout to ensure long-life.
- Ideal companion to A1260 amplifier



## A1260 Rear Panel



Room 6