

Trouble?

- 1) Be sure you have connected the CAT-5 cable correctly. Note that the stripe/solid pattern should match the labels on the product. Miss-wiring can cause distorted sound or prevent the system from working at all!
- 2) Be sure you have connected the speakers in phase. Follow the label on the product. Out of phase speakers can rob the system of its bass. Especially when driving dual-voice-coil speakers.
- 3) Be sure IR emitters are directly over the IR receiver for all devices you wish to control.

Specifications: (typical @25° C)

Operating Voltage :	24±.5VDC
Status input:	9-20VDC <20mA
Cable requirements:	CAT-5 or better
Speaker impedance:	6-8 ohm
IR repeating:	38-56kHz
IR sensor range (AB-114):	40'@40kHz 25'@56kHz
Operating Temperature:	-10°C to +50°C

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.

500-012 rev J1

CHANNEL VISION™

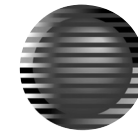
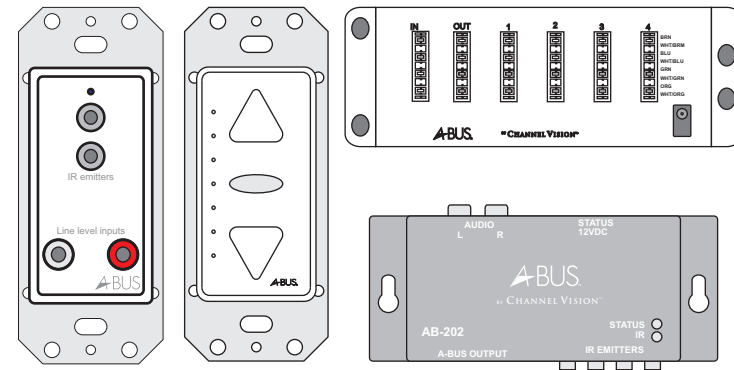
A-BUS™ system

AB-114 / AB-202

AB-404 / AB-301

AB-T2454

Multi-room audio distribution system



CHANNEL VISION™

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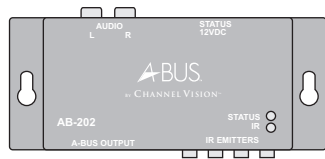
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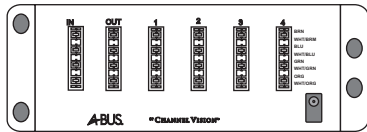
The Channel Vision A-BUS system

can distribute high-quality audio to every room in your house over ordinary CAT5 data wire. Power for the entire system is delivered via the same CAT5 cable so only a single run of CAT5 is required. Each pair of speakers is powered and controlled from a local wall plate with a dedicated amplifier for that zone. Volume in that zone can be controlled manually or by an infrared remote. IR signals are also routed back to the source components enabling control of sources and functions from any zone.

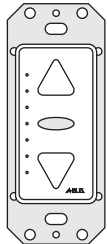
Required components



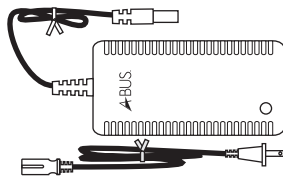
AB-202 ... Single source module. 1 per system. Interfaces sources to the system. Mount near audio components (CD player, receiver etc.)



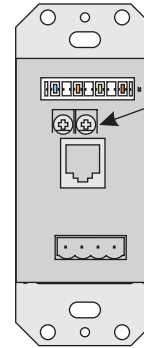
AB-404 ... Distribution module. 1 per every 4 amplified keypads. All CAT-5 cables terminate here. Also inserts power. Mount in a structured wire panel or screw to a wall. Compatible with panels from Channel Vision Central™, OpenHouse™, OnQ™, or Leviton™.



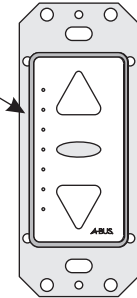
AB-114 amplified keypad ... 1 per speaker pair. Drives the speakers, controls volume and relays IR information. Mount the AB-114 in single gang low-voltage ring or deep J-box (if required by code). Blue LEDs show volume level. Keypad completely mutes when bottom LED is off. (No amplifier hiss like some other non-A-BUS systems.)



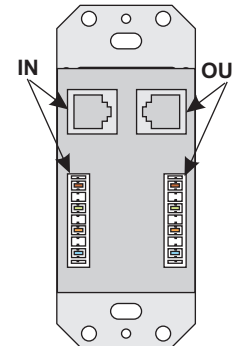
AB-T2454 ... Power supply. 1 per every AB-404. 120-240VAC



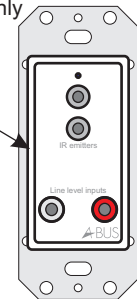
Balance ... The two potentiometers on the AB-114 adjust the volume levels of each speaker channel. Use these to adjust the speaker balance in this zone.



Gasket ... The AB-114 is shipped with a gasket. This allows you to adjust the height and fit of a decorator trim plate. Leave the gasket as is for a flush fit. Remove the gasket to have the AB-114 stand above the plate.



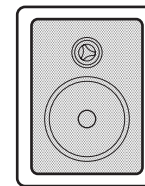
Input/Output ... To simplify installation, the AB-301 has both 110 and RJ-45 inputs and outputs. Only one of the inputs and one of the outputs should be used at a time.



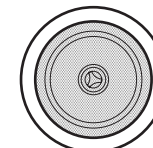
Gasket ... The AB-301 is shipped with a gasket. This allows you to adjust the height and fit of a decorator trim plate. Leave the gasket as is for a flush fit. Remove the gasket to have the AB-301 stand above the plate.

Suitable speakers

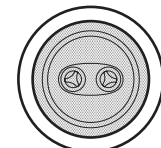
Channel Vision offers a variety of multi-room speakers.



IW601
In-wall *Soprano* series
6.5" speaker



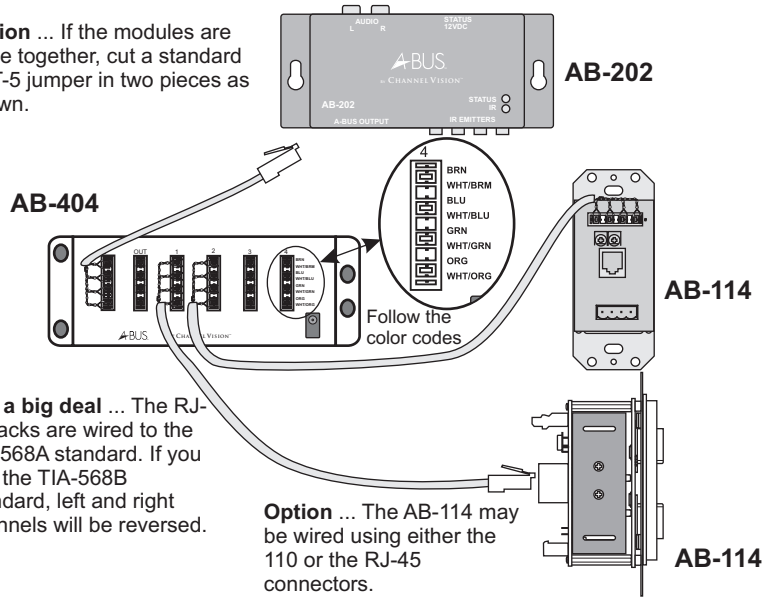
IC602
In-ceiling *Soprano* series
6.5" speaker



ID652
In-ceiling dual voice coil speaker
Both stereo channels from a single speaker. Steerable tweeters maintain the stereo image. Use in small rooms, bathrooms or hallways.

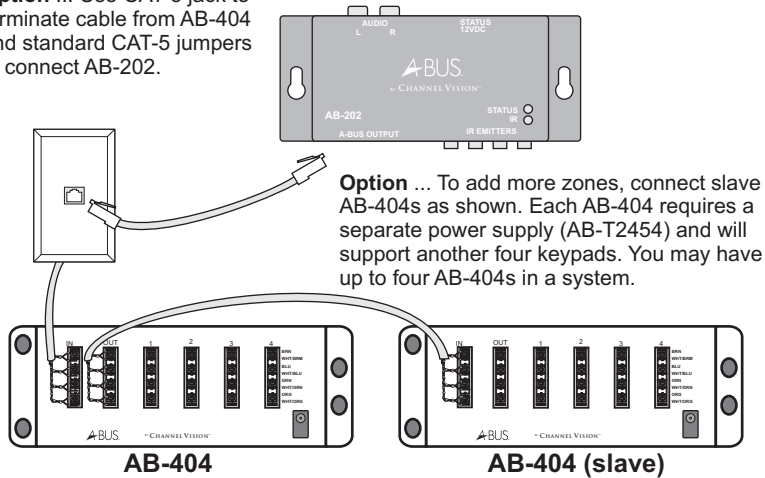
CAT-5 wiring details and options

Option ... If the modules are close together, cut a standard CAT-5 jumper in two pieces as shown.

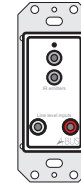


Not a big deal ... The RJ-45 jacks are wired to the TIA 568A standard. If you use the TIA-568B standard, left and right channels will be reversed.

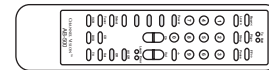
Option ... Use CAT-5 jack to terminate cable from AB-404 and standard CAT-5 jumpers to connect AB-202.



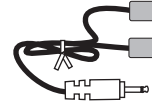
Optional components



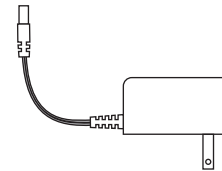
AB-301 ... Universal input module. Can be used to provide local source input in any room and/or to replace the AB-202. The AB-301 is a great way to enable simple connection of local sources into the zone - TV's, MP3 players, computer sources, etc.



AB-500 ... Universal remote control. Comes pre-programmed to control the volume of the AB-114. Learns IR codes for up to 6 sources.



IR-3001 & IR-3002 ... Single and dual head IR flashers. Use one head per source to control from the remote room. (IR-3002 shown).



5019 ... Status power supply. Plugs into switched outlet of receiver. When the receiver is turned off, the entire system mutes. (If a supply is plugged into the status input, and is not powered, the system mutes.)

How IR repeating works

