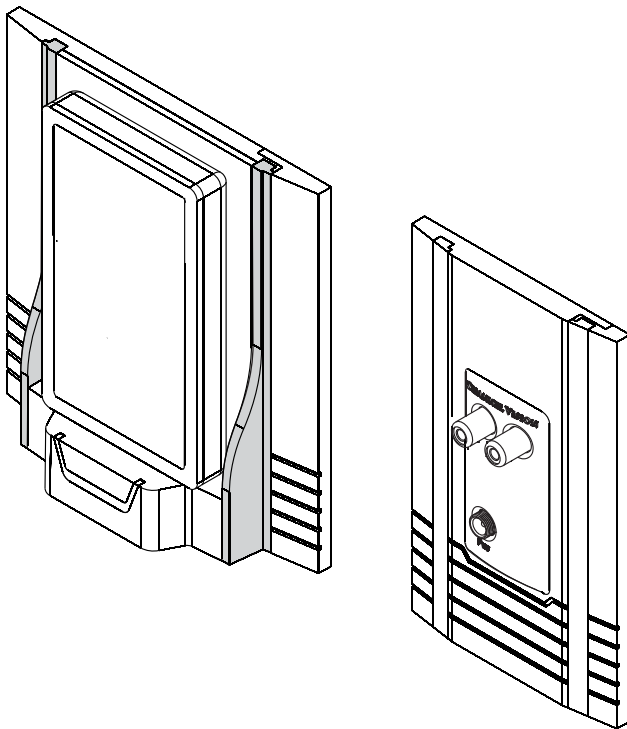


INSTRUCTIONS



A0320

Micro-USB Bluetooth® Wall-Dock for Distributed Audio



CHANNEL VISION™

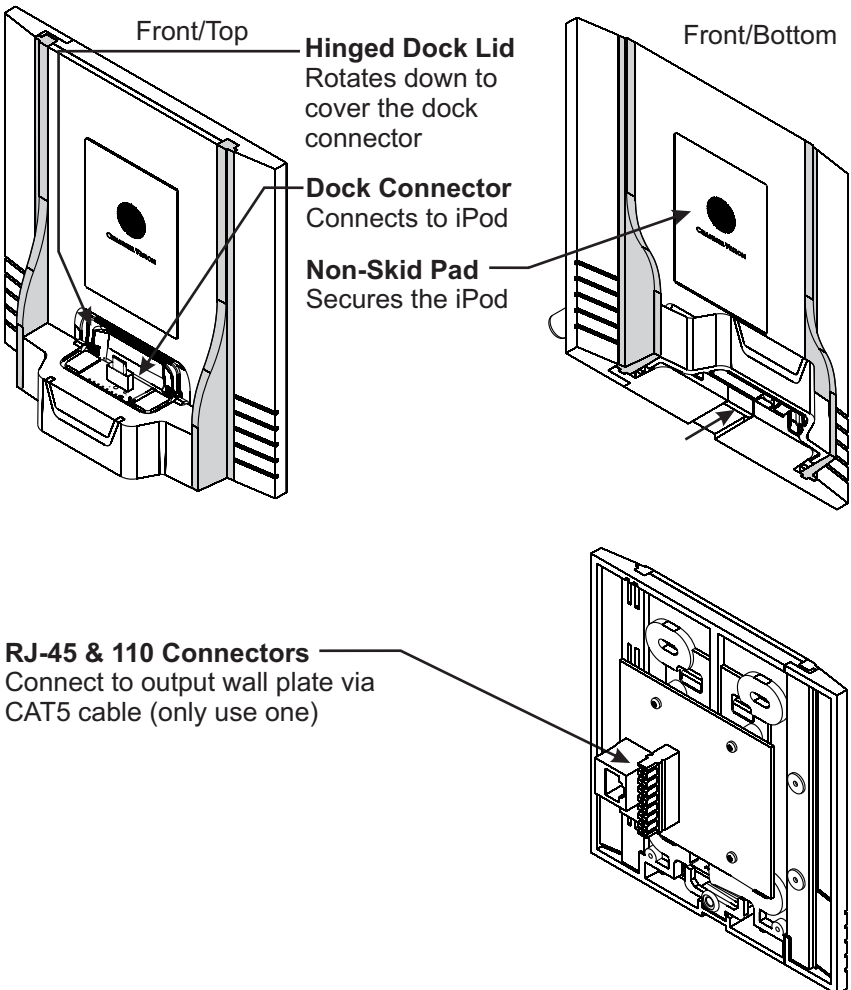
• Intelligent Entertainment • Infrastructure • Security Solutions

The **A0320** is an on-wall bluetooth™ docking station that will charge a Micro-USB device. The non-skid pad helps to hold the music player in place. It's elegant and contemporary design make the A0320 perfect for anyone who wants to enjoy their music without defacing their wall.

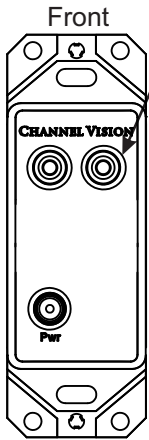
Features:

- ✎ Charges a Micro-USB device
- ✎ Mounts in a standard 2-gang box
- ✎ Bluetooth streaming
- ✎ Provides a standard RCA line level audio output

Wall Dock

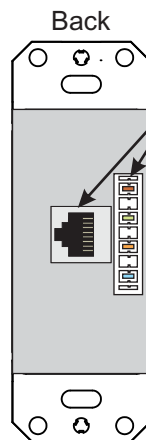


Output Wall Plate



Front

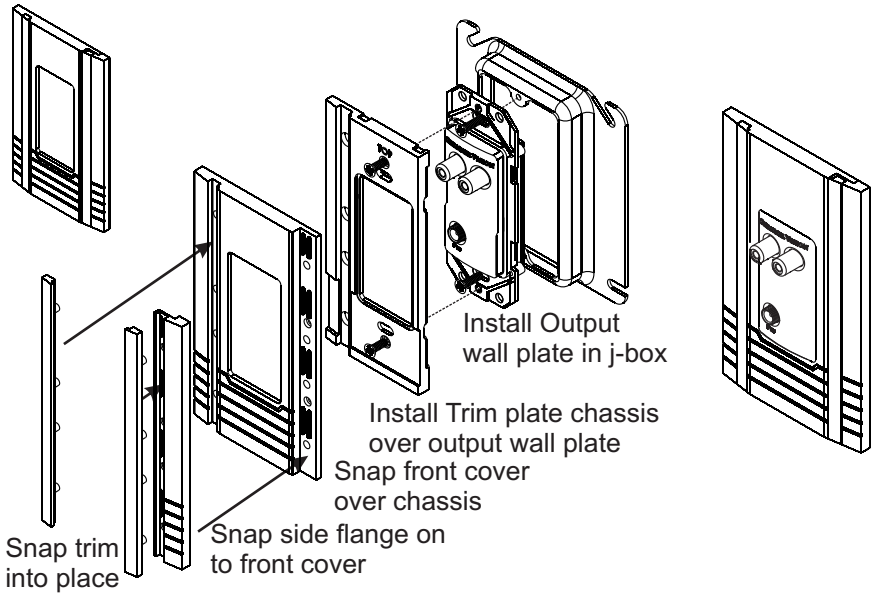
Audio Outputs
Connect to your amplifier.



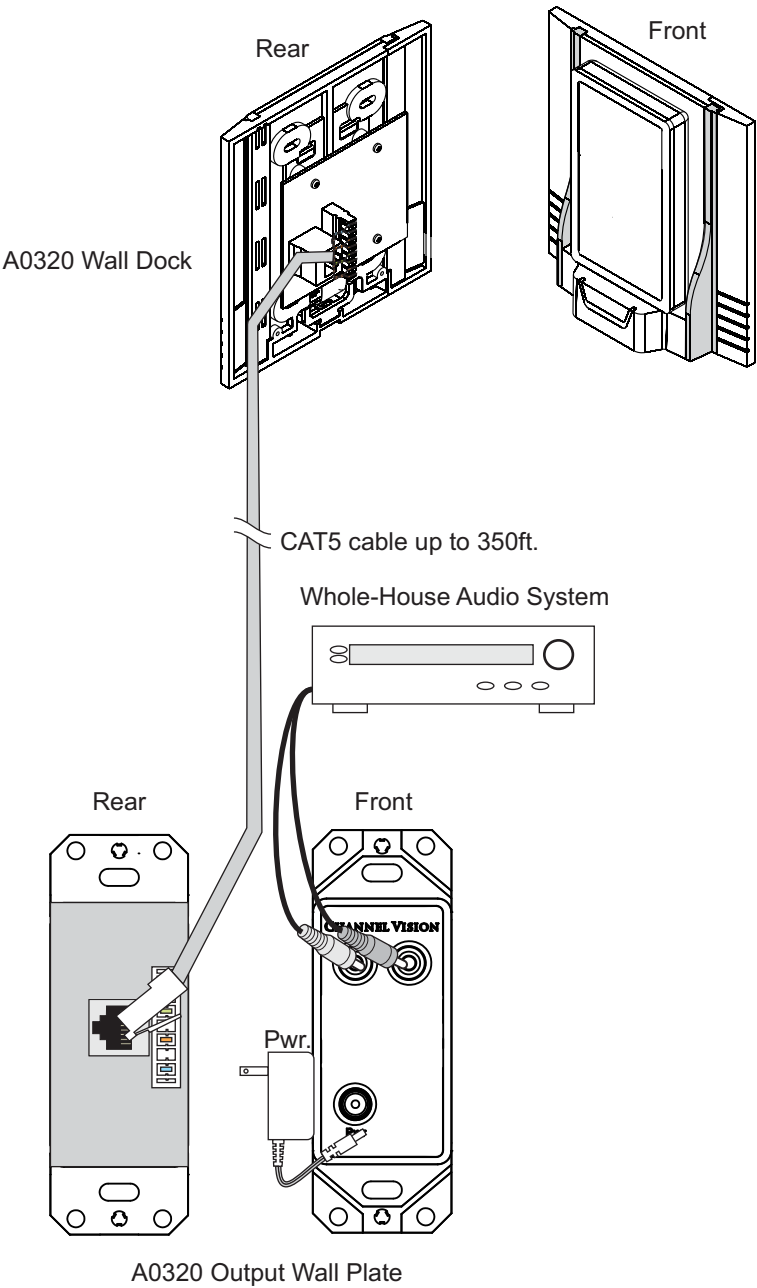
Back

RJ-45 & 110 Connectors
Receive signals from the wall dock via Category 5 or Category 6 cable.

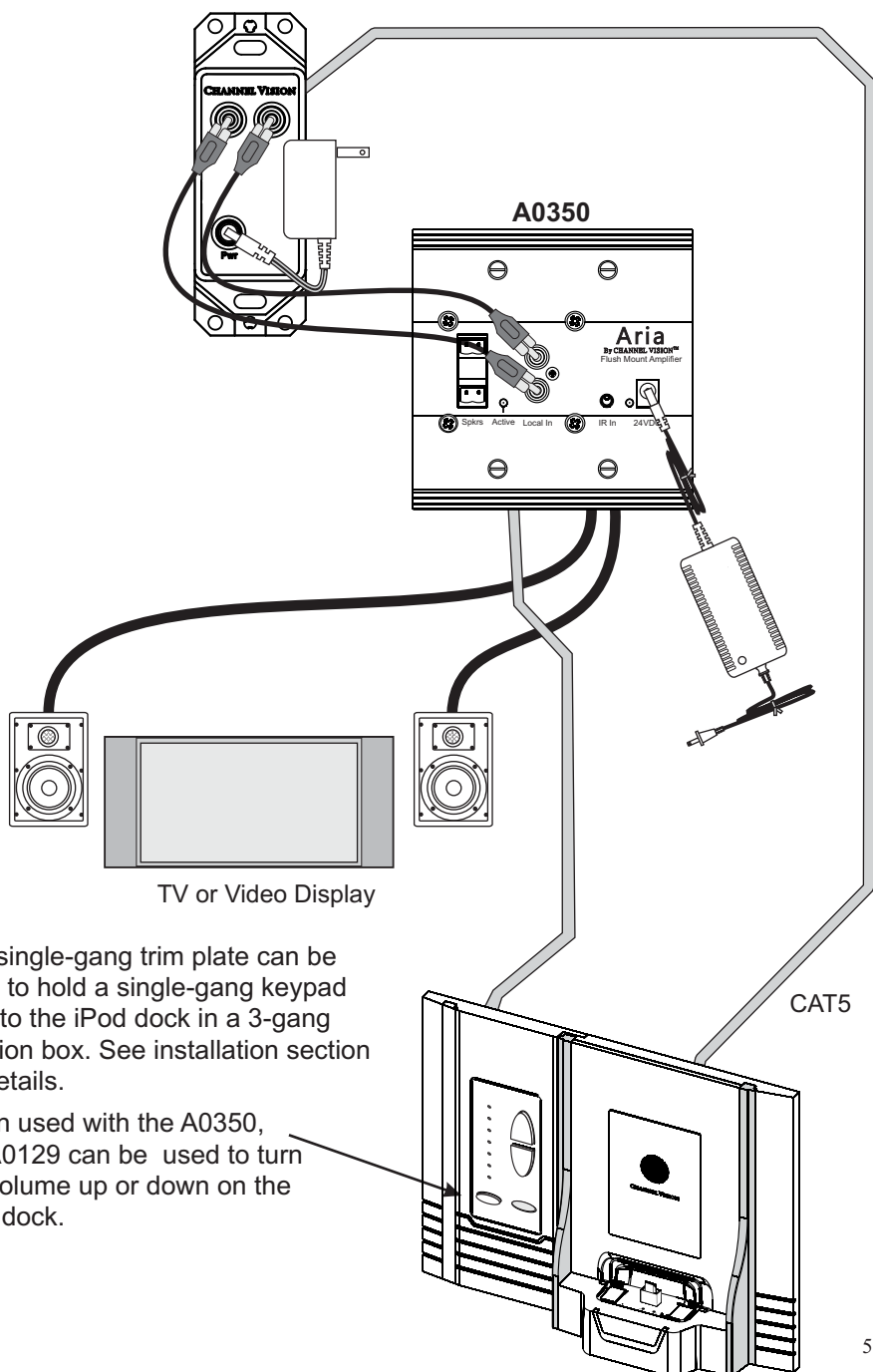
Installing the Trim Plate Accessory



Basic Application



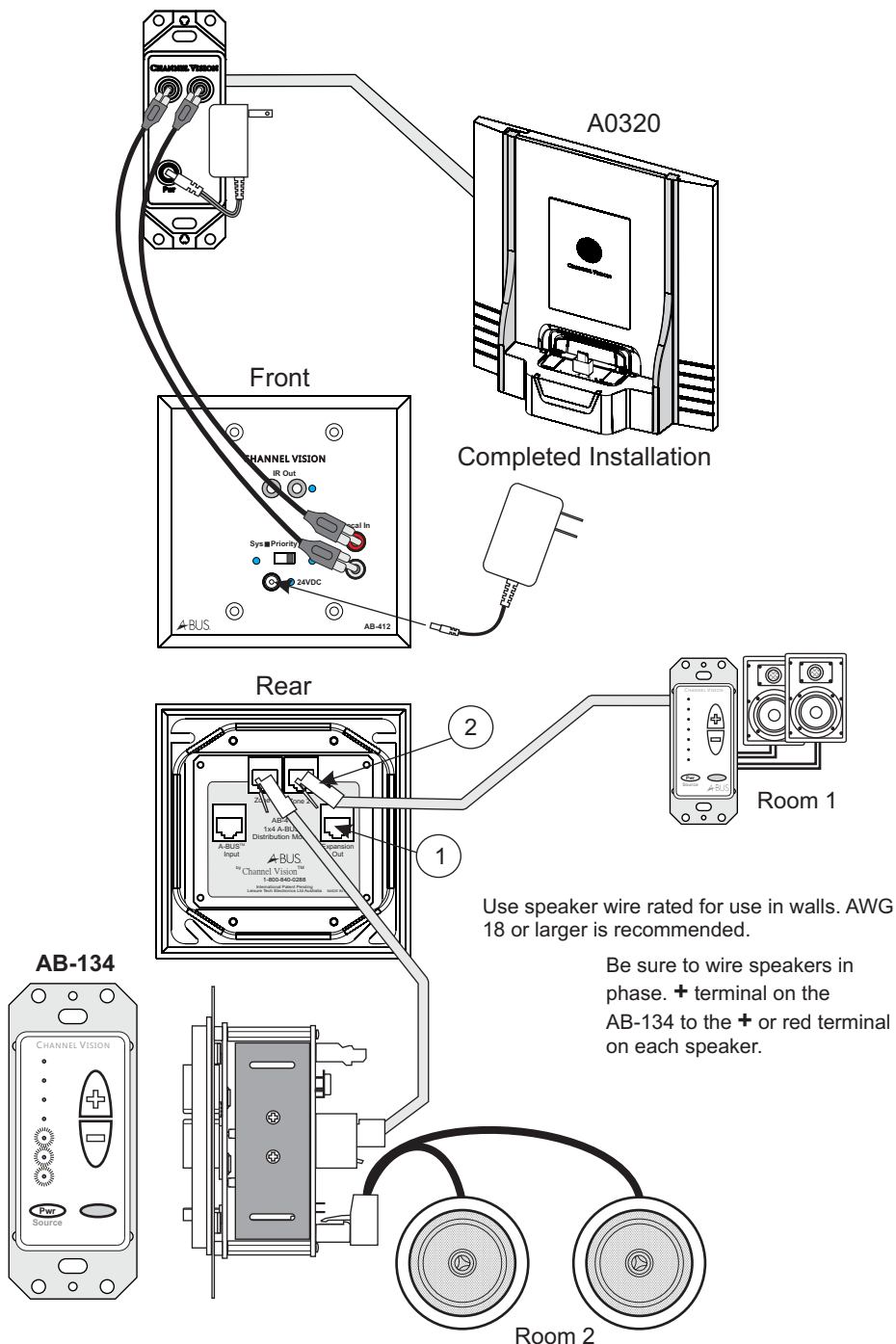
Sample Wiring Diagram: When used with the A0350



The single-gang trim plate can be used to hold a single-gang keypad next to the iPod dock in a 3-gang junction box. See installation section for details.

When used with the A0350, the A0129 can be used to turn the volume up or down on the iPod dock.

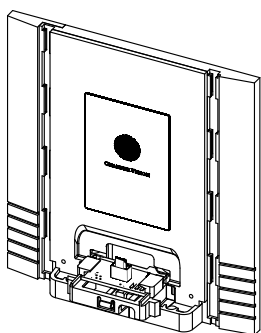
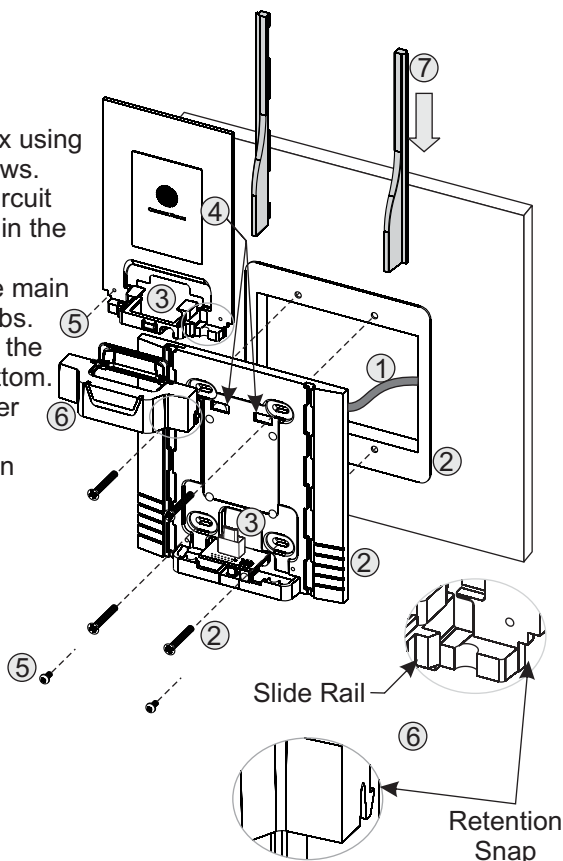
Sample Wiring Diagram: When used with the AB-412



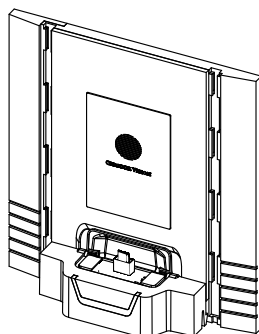
Installing the Wall Dock

Installation Steps

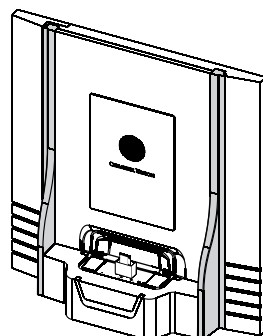
1. Connect all wiring.
2. Attach main chassis to j-box using the provided four 6-32 screws.
3. Feed the dock connector circuit board through the opening in the front cover.
4. Hang the front cover on the main chassis from the two top tabs.
5. Secure the front cover with the two small screws at the bottom.
6. Place the dock platform over the slide rail and push downward until the retention snaps are engaged.
7. Slide the side protectors into the slots on the main chassis.



Steps 3 & 4 complete



Steps 5 & 6 complete



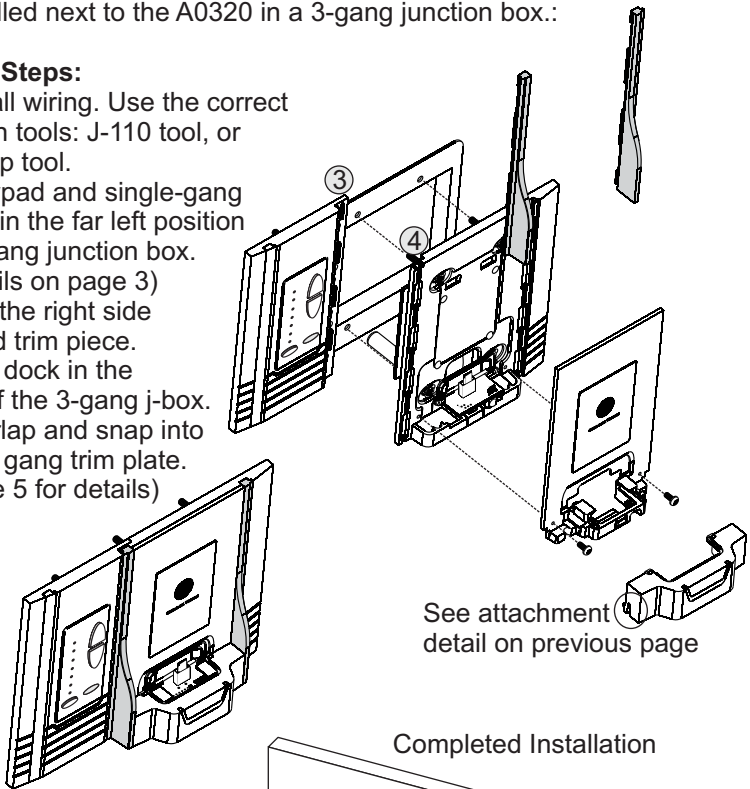
Completed Installation

Installing the Wall Dock (3-gang Installation)

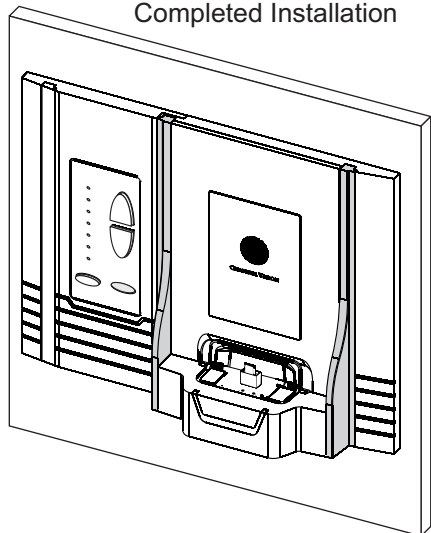
In some installations it may be desirable to mount a single gang control keypad next to the A0320. To accomplish this, the single gang trim plate can be installed next to the A0320 in a 3-gang junction box.:

Installation Steps:

1. Connect all wiring. Use the correct installation tools: J-110 tool, or 1014 crimp tool.
2. Install keypad and single-gang trim plate in the far left position of the 3-gang junction box. (See details on page 3)
3. Leave off the right side flange and trim piece.
4. Install the dock in the left side of the 3-gang j-box. It will overlap and snap into the single gang trim plate. (See page 5 for details)



Completed Installation



Bluetooth Functionality

Pairing:

- A. Turn Bluetooth on in the pairing device, and scan for Bluetooth devices.
- B. To pair with the dock, click on “Android Dock-XXXX” (where XXXX is the last 4 digits of the MAC address) in the Bluetooth device scan list.
- C. The pairing device will request a PIN code. The default code is 1234.
- D. Enter the PIN code.
- E. Your device will pair with the Android dock.
- G. Turn on music to begin streaming.

Disconnecting The Dock:

- A. To disconnect the paired dock from your device, disconnect the Bluetooth connection from the Bluetooth menu of the device.
- B. If you walk away, the dock will automatically disconnect from the device within 30 seconds.

Connecting The Dock To Another Device:

- A. Disconnect the paired dock from your device from the Bluetooth menu of the device.
- B. Turn on Bluetooth on the pairing device, and scan for Bluetooth devices.
- C. Click on “Android Dock-XXXX” (where XXXX is the last 4 digits of the MAC address) in the Bluetooth device scan list.
- D. The pairing device will request a PIN code.
- E. Enter the PIN code. The default code is 1234.
- H. Turn on music to begin streaming.

Connection Tips and Troubleshooting

NOTE: Maximum charging voltage is 5vDC 500mA. Do not plug in a device such as a tablet computer to this dock. Doing so can cause damage to either device and will void the warranty.

Problem: Not linking with Bluetooth device or Linking with Bluetooth device, but no audio plays.

Troubleshooting:

1. Restart Bluetooth Dock
2. Restart Bluetooth Device
3. Make sure Bluetooth device is in play mode

Warning: Do not adjust the volume all the way up if no audio is present. Doing so could damage your speakers if audio reconnects.

Problem: Audio quality issues

Troubleshooting: Verify you have connected the CAT5 cable correctly. Follow the TIA-568A standard at both ends. Mis-wiring can cause distorted sound, prevent the system from functioning, or possibly cause damage to the components in the system. Verify 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.

If no audio is heard, check to make sure that the audio source is playing, then press the power button on the keypad to make sure it is turned on.

Problem: Hum in System

Troubleshooting: Plug all parts of the system into the same outlet to see if the hum goes away. Try lifting the ground with a ground lifting plug.

Possible Cause: The different components in the system are connected to different electrical grounds. This forces electrical currents to find alternate paths to ground causing an audible 60Hz hum.

Solution: Plug products into an electrical circuit with a common ground.

Problem: iPod not charging (system not powering on)

Troubleshooting: Bypass your wiring and use a pre-made CAT5 cable to your breakout plate. Check the power supply with a volt meter. (Center positive) Using a small flathead screwdriver, carefully spread the center pin inside the female power connector on the breakout plate.

Possible Cause: The different components in the system are connected to different electrical grounds. This forces electrical currents to find alternate paths to ground causing an audible 60Hz hum.

Additional Tips:

1. The A0320 is designed to provide 5vDC of charging voltage. The device screen should indicate that it is being charged. If this does not occur, make sure the power is reaching the volume control keypad (press the volume buttons to see if the LED indicators light up).
2. Observe wiring distance specifications. The maximum recommended wire length between the wall dock and the breakout plate is 350 feet. Although the A0320 may work at greater distances, extreme distances are not recommended because erratic performance may result due to the power loss caused by the CAT5 wire.
3. If you are experiencing problems with your device that occur even when it is not docked in the A0320, then please contact customer service of that manufacturer for support.

Specifications

Specifications: (typical @25° C)

Audio Output

Output Impedance:

600 Ohms

Power Requirements:

15VDC @ 0.500A (500mA)

Power Supply:

15VDC @ 800mA

Wire type:

4-pair, UTP Category 5, 5e or 6

Recommended Max. Cable Length:

350ft.

Dimensions:

Wall Dock (2-gang):

4.88"W x 5.14"H x 1.24"D(front)

Rear Depth: 1.56"

Wall Dock & Keypad (3-gang):

6.73"W x 5.14"H x 1.24"D(front)

Rear Depth: 1.56"

Output Plate (1-gang):

3.15"W x 5.14"H x 1.24"D(front)

Rear Depth: 1.95"

Color:

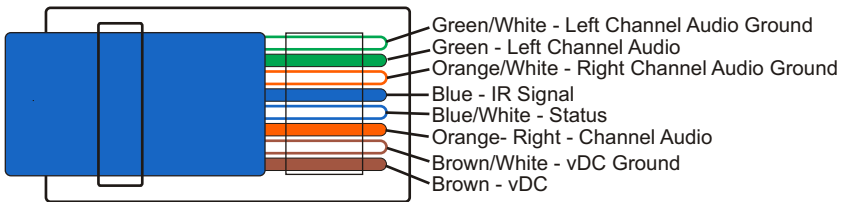
White

Operating Temperature:

-10°C to +50°C

*Specifications subject to change without notice.

Pin-out



Top view:

Stripping and Connecting CAT-5 Wire

CAT-5 cable should be stripped with a proper stripping tool, such as Channel Vision's J-110 tool.

1. Place the CAT-5 between the blade and the first notch of the J-110 tool.

2. Rotate the tool only once. Multiple turns will cause you to cut into the inner wires.

Rotate 1 turn only

Slight pressure

3. Inspect the inner wires for damage.
If any wires are cut start over at step 1.

Check for damage



1 Year 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 one year 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 (714) 424-6500. 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. Channel Vision products are not intended for use in medical, lifesaving, life sustaining or critical environment applications. Channel Vision customers using or selling Channel Vision products for use in such applications do so at their own risk and agree to fully indemnify Channel Vision for any damages resulting from such improper use or sale.

FC Tested To Comply
With FCC Standards



This device complies with part 15 of the FCC rules. Operation is subject to the following two conditions: (1) This device may not cause harmful interference, and (2) This device must accept any interference received, including interference that may cause undesired operation.

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