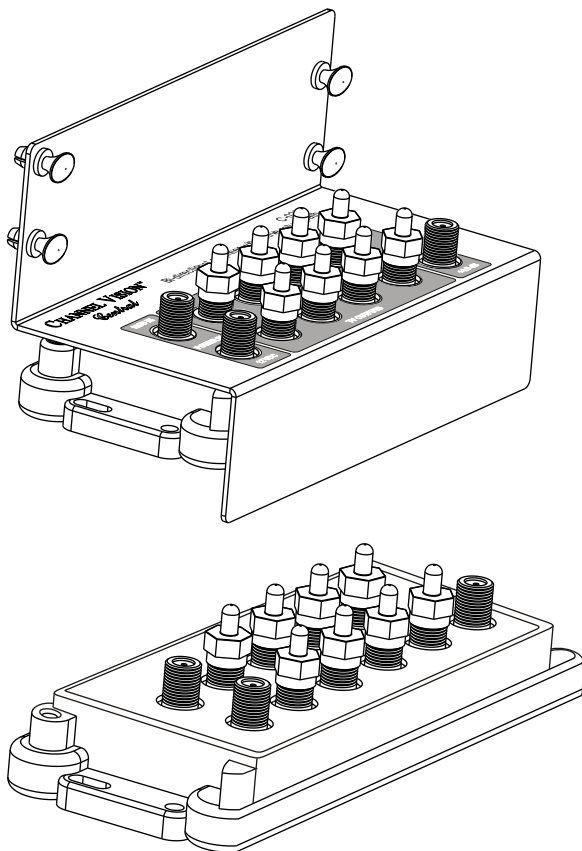


INSTRUCTIONS



C-0330

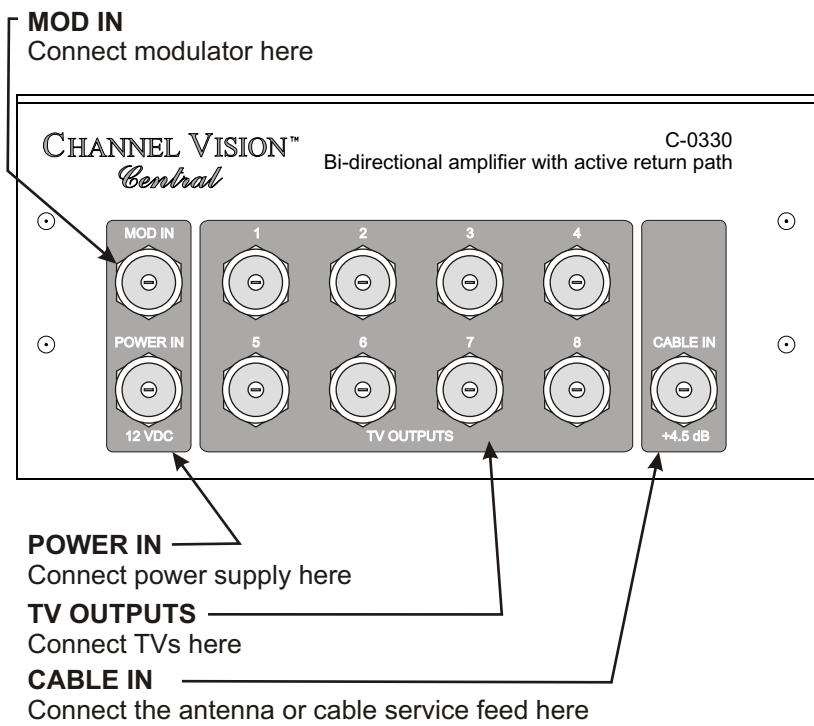
CVT-2/8PIA-III

Bi-directional Amplified Splitter

The **CVT-2/8PIA-III** and **C-0330** are 8-output amplified splitters with a built-in combiner for modulated signals. They allows IR signals to pass through the modulator input to the TV outputs, making them a perfect match for the E2200IR, E3200IR or E4200IR.

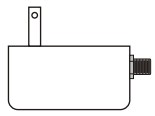
Features:

- 8 Amplified outputs: 4.5dB Gain
- Amplified return path from 5-42MHz
- Supports 1 modulator input
- Allows IR through the modulator input port
- Easy installation



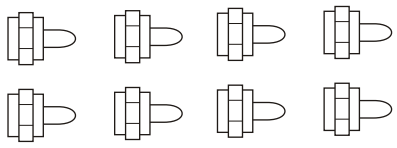
Accessories Included:

Power Supply



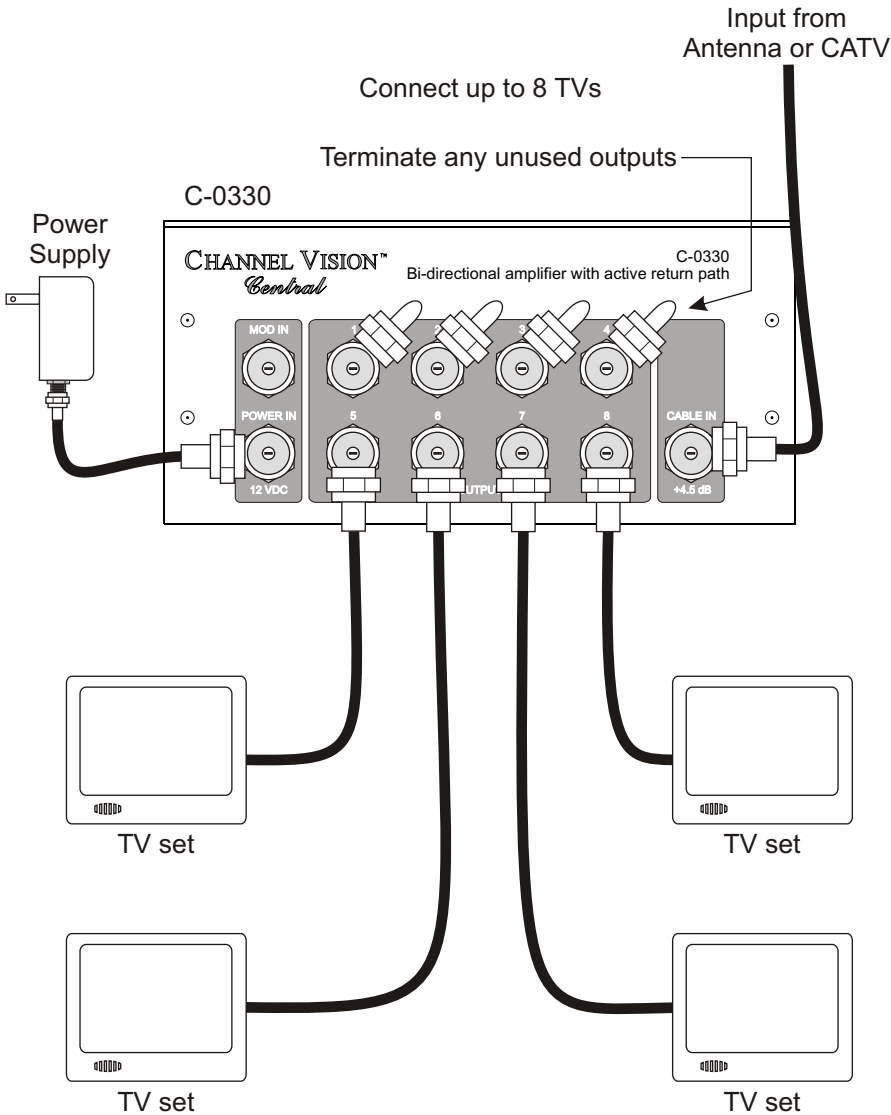
12VDC, 500mA

75 ohm Terminators



Basic Amplified Splitter Application

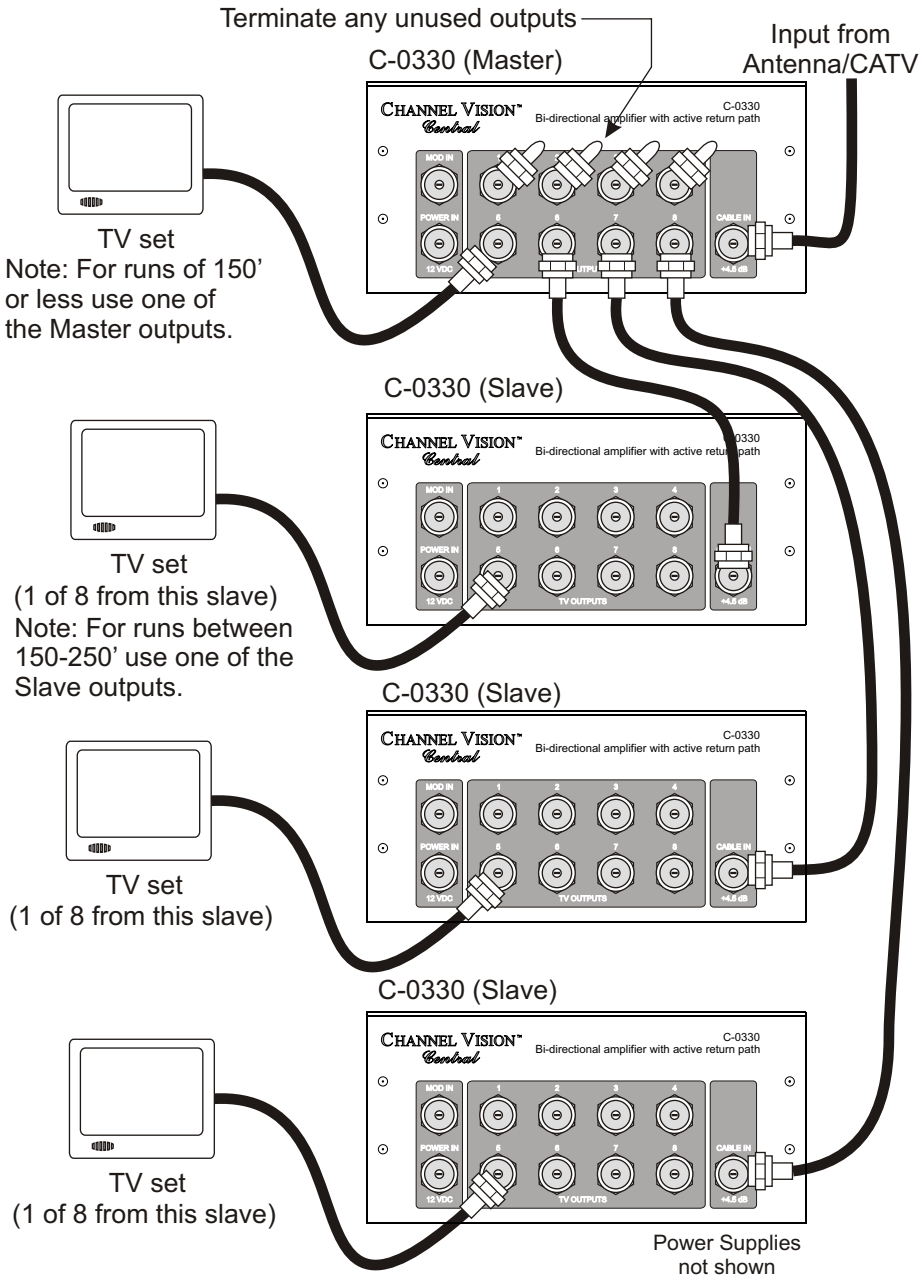
Connect the C-0330 as shown and locate it at the main distribution point in the house. The C-0330 will supply the amplified TV signal to 8 TV locations.



Large System Amplified Splitter Application

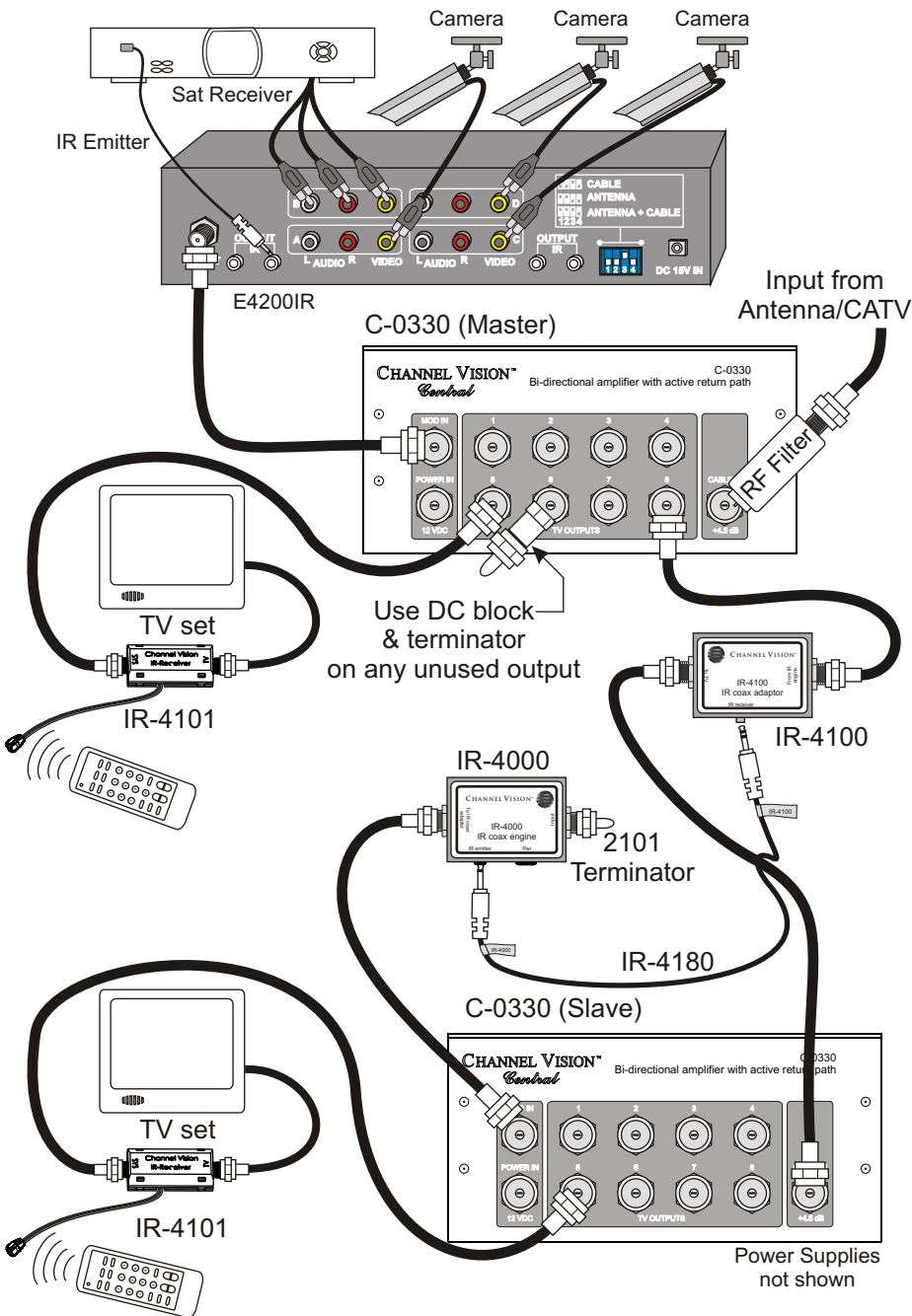
The C-0330 can be cascaded for situations that require more than 8 outputs. Each of the 8 outputs of the C-0330 can feed the input of an additional C-0330 creating a system with 64 TV outputs.

Use a total of 9 C-0330s to achieve 64 TV outputs.



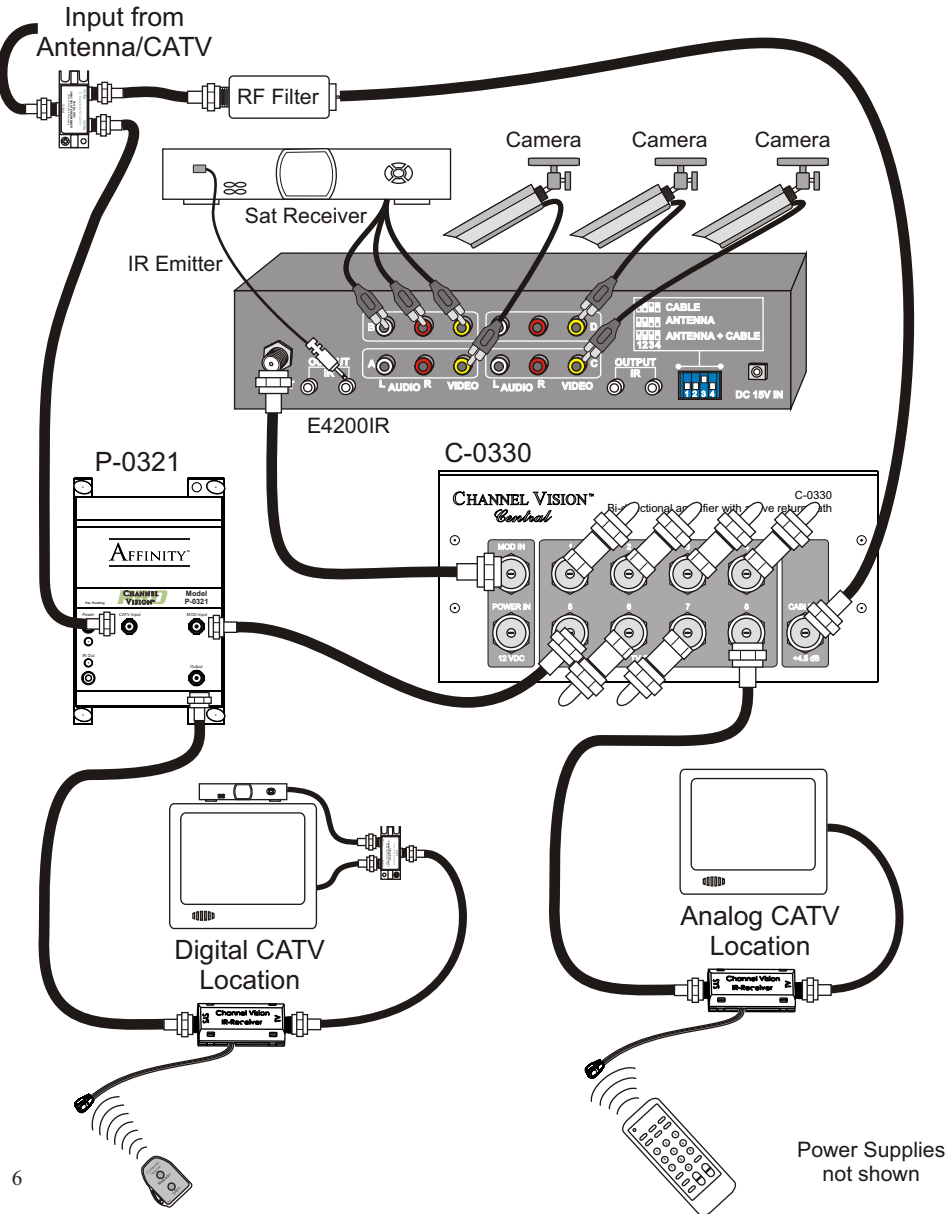
Cascaded Application with IR Control

The IR engine built into the E2200IR, E3200IR, and E4200IR can support up to 8 TV locations with IR receivers. When expanding to more rooms an IR-4000 can be used as shown to power 8 additional IR receivers. This design can support up to 15 TVs and 15 IR receivers. Note: any TV location that does not have IR receiver needs to be **DC blocked** using model 3109.



Using the C-0330 with the Affinity (P-0321)

The C-0330 can be integrated with the P-0321 to send modulated signals through a system that has some TVs with digital cable boxes and some TVs without digital cable boxes. An RF filter can be used to remove the digital content from the TVs which do not have digital boxes. This allows modulated channels to be inserted without interference problems. The P-0321 preserves the digital content for the locations that do have digital boxes. Additional details regarding the operation of the Affinity model P-0321 can be found in its installation manual.



Specifications: (typical @25° C)

ITEM		MIN.	TYP.	MAX.
MODULATOR PATH				
Operation Time		Full Time Bypass		
Insertion Loss		<15.5dB		
Return Loss (I/O)		>16dB		
IR PASS		Yes		
CATV FORWARD PATH				
Frequency Range		54-1000MHz		
Gain		MIN.	TYP.	MAX.
	54-60MHz	3.5dB	4.5dB	5.5dB
	60-680MHz	4.5dB	5.5dB	6.5dB
	680-1000MHz	4.5dB	5.5dB	6.5dB
Flatness		+1.0dB		
Return Loss (I/O)		>16dB		
Isolation		>18dB		
Noise Figure@70 degrees F		7.5dB		
Group Delay (54 to 66MHz)		60ns		
Group Delay (66 to 88MHz)		22ns		
Group Delay (88 to 1000MHz)		12ns		
Composite Second Order Distortions		60dBC		
Composite Triple Beat Distortions		60dBC		
Cross Modulation Distortions		60dBC		
Second Hum Modulation		60dBC		
Rated Output Level @160 channels, 6MHz each		+23.0 dBmV		
Power Consumption		160mA		
CATV RETURN PATH				
Frequency Range		5-42MHz		
Gain		MIN.	TYP.	MAX.
	5-35MHz	-1.0dB	0dB	0.5dB
	35-42MHz	-1.5dB	-0.5dB	0dB
Flatness		+1.0dB		
Return Loss (I/O)		>16dB		
Isolation		>20dB		
Noise Figure@70 degrees F		20dB		
Group Delay (5 to 10MHz / 36MHz to 42MHz)		55ns		
Group Delay (10 to 36MHz)		36ns		
Composite Second Order Distortions		53dBC		
Composite Triple Beat Distortions		56dBC		
Cross Modulation Distortions		56dBC		
Second Hum Modulation		58dBC		
Rated Output Level @2 channels, 6MHz each		+43.0 dBmV		
Power Consumption		65mA		
GENERAL SPECIFICATIONS				
RFI Shielding		>110dB		
Nominal Impedance "F" Female		75 ohm		
Supply Voltage (DC)		12VDC		

Specifications subject to change without notice.

CHANNEL VISION™

2 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 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.

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