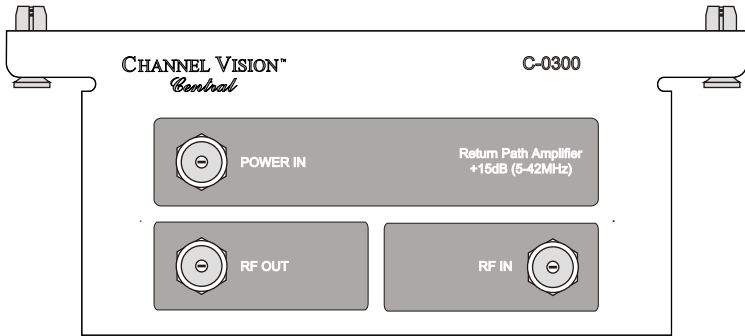


# INSTRUCTIONS



## **C-0300** **Return Path Amplifier**

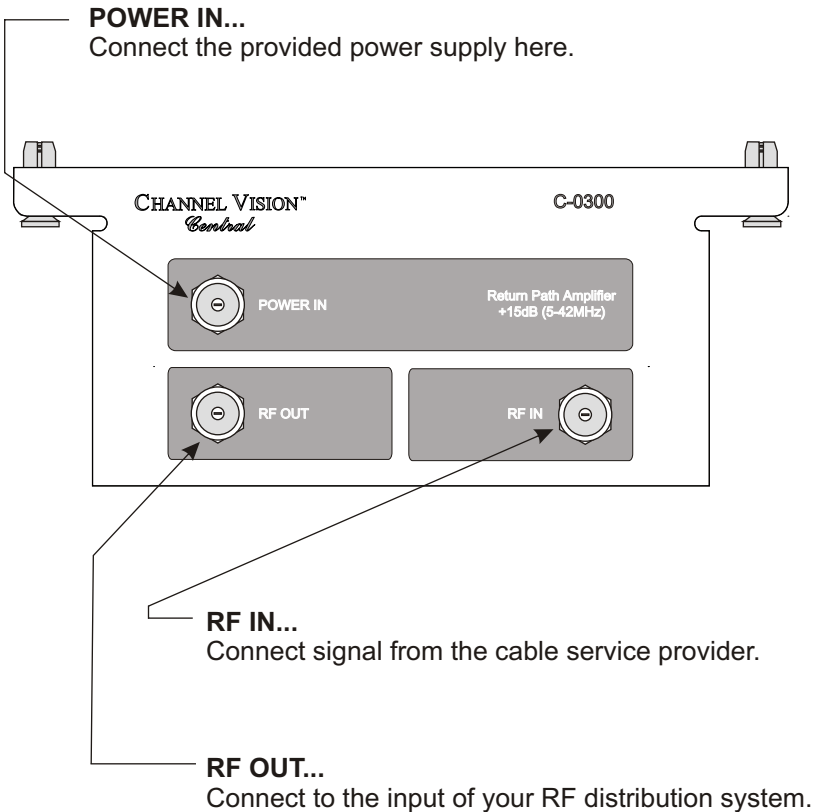


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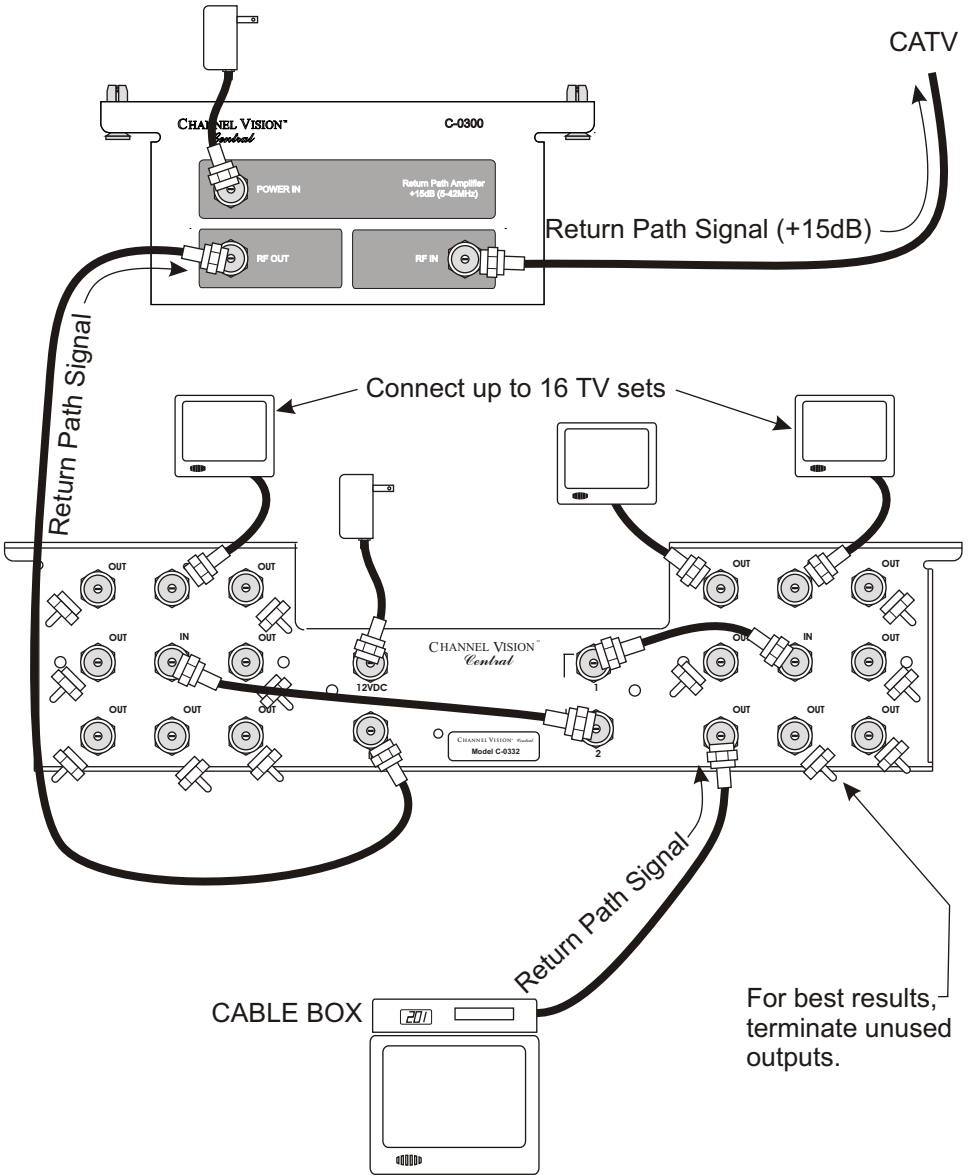
The **C-0300** is a return path amplifier that provides 15dB of gain in the frequency range between 5-42 MHz. While many amplifiers are “Bi-directional” they typically allow signals to pass back to the cable company without amplifying them. In some cases this is not a problem, but in larger systems, the insertion loss of splitters may prevent signals which are transmitted by your interactive cable box from returning to the cable company. This problem may prevent your cable box from working properly. The C-0300 works to supplement an existing distribution system. It only amplifies signals in the return path and allows signals in the forward direction to pass through with minimal attenuation.

**Features:**

- 15dB gain from 5-42MHz (return path)
- <1 dB attenuation from 54MHz-1,000MHz
- Works with existing amplifiers that have a passive return path
- Easy to install



# Typical Application



The C-0300 provides enough return path gain to compensate for the loss created by a typical 16-way RF splitter. Without it, large RF distribution systems may experience problems when using interactive cable boxes.



## Specifications

### Return Path

Frequency Range	5-42MHz
Gain (5-42MHz)	15dB
Noise Figure	6dB
Cross Modulation	-70dB

### Forward Path

Frequency Range	54-1000MHz
Insertion Loss	
(54-100MHz)	-1.0dB
(100-1000MHz)	-0.3dB
Return Loss	
(54-100MHz)	-25dB
(100-1000MHz)	-23dB
RFI Shielding	>100dB
Nominal Impedance	75 Ohm
Power Supply Voltage	12VDC
Power Consumption	40mA
Power Adaptor	12VDC, 200mA

Typical at 20 degrees C  
Specifications subject to change without notice

## 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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