

# User Manual

## CATV / Antenna Drop Amplifier 1×4 Splitter with Passive Return



Part Number: 30-2471

### Overview:

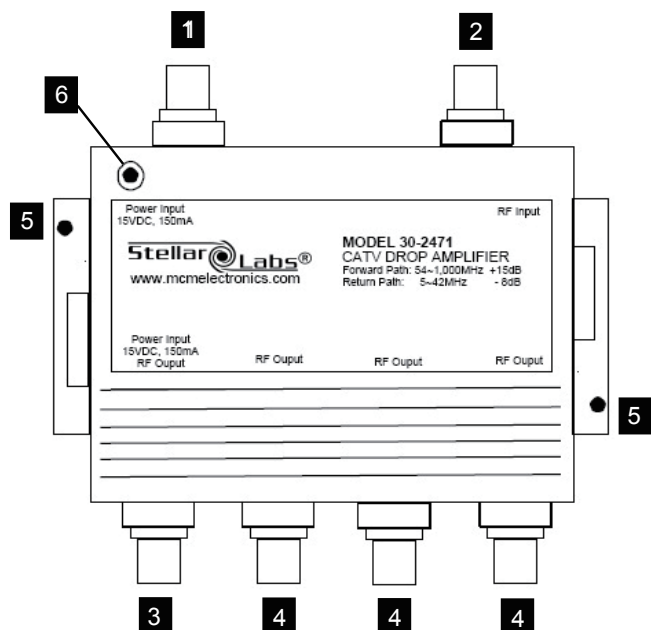
This cable drop amplifier is designed for sending CATV signals to up to four television sets, and has an internal 15dB signal amplifier to compensate for losses caused by the split as well as the additional cable length.

It also provides a passive return path, ensuring compatibility with current digital and interactive and broadband cable systems.

Power is supplied either directly through the power port (#1), via the supplied AC adaptor or may be inserted into the existing signal cable connected to one of the output ports (#3) as shown.

While designed for CATV use, this device is perfectly suitable for use with standard TV antennas. The housing and "F" ports are all sealed for permanent installation outdoors.

Note the included AC adaptor must be located inside.



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## Connections/Indicators:

- #1 Power input - Accepts 15VDC from supplied AC adapter. An "F" jumper is provided for short distances, the maximum distance for this cable is 200'
- #2 RF input - Accepts signal from cable company or external antenna.
- #3 RF output - Output to be sent to the first television set. This also acts as a power input if a remote power inserter is used to supply power.
- #4 RF output - Output to be sent to up to four television sets.
- #5 Ground lugs - This provides necessary ground connection should the unit be located outside of the structure.
- #6 Power indicator - this will light when 15VDC power is properly supplied to the unit.

## Installation note:

Power may be supplied to this unit directly into port #1. This port and the supplied AC adaptor are both equipped with standard "F" female connectors, allowing standard CATV cables to be used to provide power.

Power may also be supplied over the existing signal cable being fed from port #3. This allows the supplied AC adaptor to be easily located at one of the television sets. This requires separate purchase of a Power Inserter, such as Item #30-2405, available from MCM Electronics and similar sources of CATV installation products.

## Specifications:

Maximum signal gain:	+15dB forward, -8dB return
Effective bandwidth:	54MHz ~ 1,000MHz (forward path) 5MHz~42MHz (return path)
Power requirements:	15VDC, 150mA
Included power supply:	120VAC, 60Hz input 15VDC, 200mA output
Dimensions (incl. ports):	4.50" (H) x 4.63" (W) x 1.13" (D)
Impedance:	75ohm all inputs/outputs
Connections:	Female "F" type