

Entry Series - CATV Installation Guide

Installation Examples

- All unused ports should be terminated into 75 Ohms
- Apply power to the EVO1-5-x/x only after all RF port connections have been made

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Voice , Video and Data Service



Standard Powering with EVO-PS15400

Introduction

The Entry Series (EVO1-5-x/x) is a 5-output device with one all-passive port for Voice Modems (or eMTAs/HSD) and four ports with gain for video. The all-passive Voice Modem Port (-3.5 dB) maintains signal integrity to and from the voice modem/eMTA in the event of a power outage. If digital voice services are not being implemented, the Voice Modem port can be used for video or data services.

The Entry Series will include the following equipment:

- EVO1-5-x/x Entry Series unit
- EVO-PS15400 Power Supply
- ¼" Triple-combo mounting screws

Optional Equipment (not included):

- EVO1-SP-2 (Splitter)
- EVO1-PI (Power Inserter)
- EVO-PS1400PI (Power Supply w/ built-in power inserter)

Required Tools

- Philips screwdriver, flat-head screwdriver or ¼" hex-head nut driver for mounting the unit.
- Open-end torque wrench appropriate for connector type being used.

Powering

The provided EVO-PS15400 or the optional EVO-PS15400PI power supply should be used to power the EVO1-5-x/x. These power supplies are designed for a 120 VAC input. Powering the device with another manufacturer's power supply may work, but is not guaranteed. The power supply must be rated for an output of 15 VDC and minimum current of 250 mA.

The maximum recommended length of RG6 bi-shield coaxial cable between the power supply and the EVO1-5-U/P power port is 225 feet.

LED Indicator

[●] Green = The unit is functioning properly.

[●] Red = Troubleshooting is required.

[○] Not Illuminated = There is no power to the unit. Proceed to Troubleshooting.

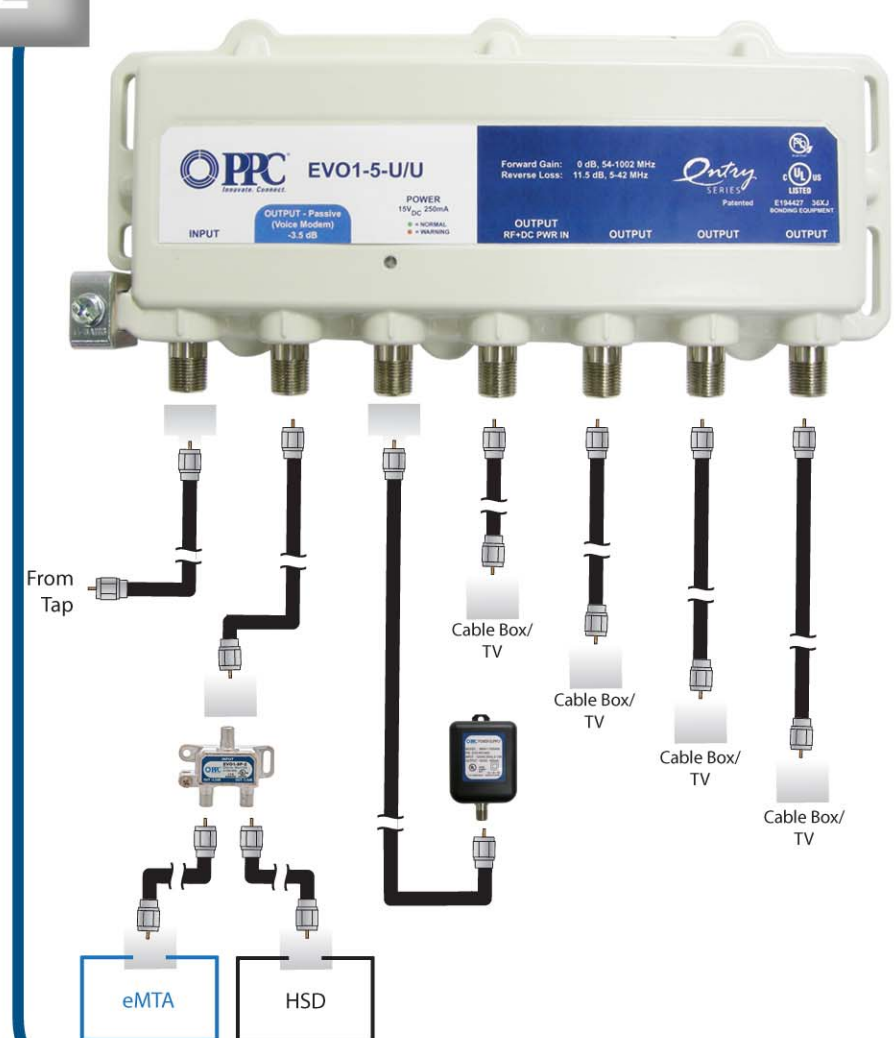
Troubleshooting

1. Verify proper voltage to input of EVO1-5-x/x.
 - If YES, proceed to step 2.
 - If NO, replace the power supply and repeat step 1.
 - If the power supply was replaced and the voltage is not correct, replace the cable between the power supply and the EVO1-5-x/x.
2. Determine if the four OUTPUT ports are providing RF signals at the proper levels.
 - If YES, then the LED is likely bad.
 - If NO, then the amplifier is damaged and must be replaced

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Optional EVO1-SP-2 on Voice Modem port



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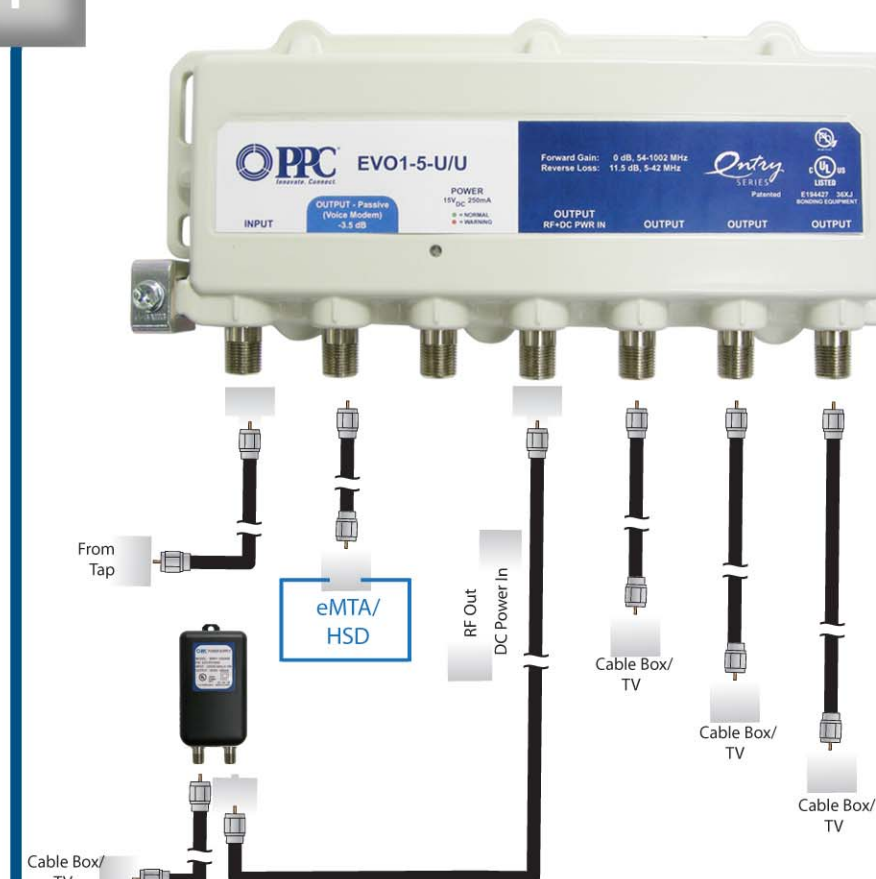
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Standard Powering with EVO-PS15400

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Powering with optional EVO-PS15400PI Power Supply with built-in power inserter

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Voice , Video and Data Service



Powering with optional EVO1-PI EVO-PS15400 with power inserter