

## INSTRUCTION/INSTALLATION SHEET

### 3x4 Enhanced Bi-Directional Video Amplifier

IS-0317 REV. 0

#### 1. Introduction

The On-Q 3x4 Enhanced Bi-directional Video Amplifier (P/N F7630 as shown below) is designed to distribute external CATV/Antenna and multiple internal modulated RF signals around the home. Its four high gain outputs are designed to be used to drive passive splitter modules to provide up to 32 amplified video outputs.

#### 2. Description

The On-Q 3x4 Enhanced Bi-directional Video Amplifier, (see **Figure 1**) is designed to be mounted in a double bay bracket with push-pins at each corner of the module.

**NOTE:** Due to the orientation of the RF connectors and bend radius limitations of coaxial cable, the 3x4 Enhanced Video Amplifier should only be installed in the deeper Titan enclosure, or Premium/Custom enclosures with enclosure extenders added.

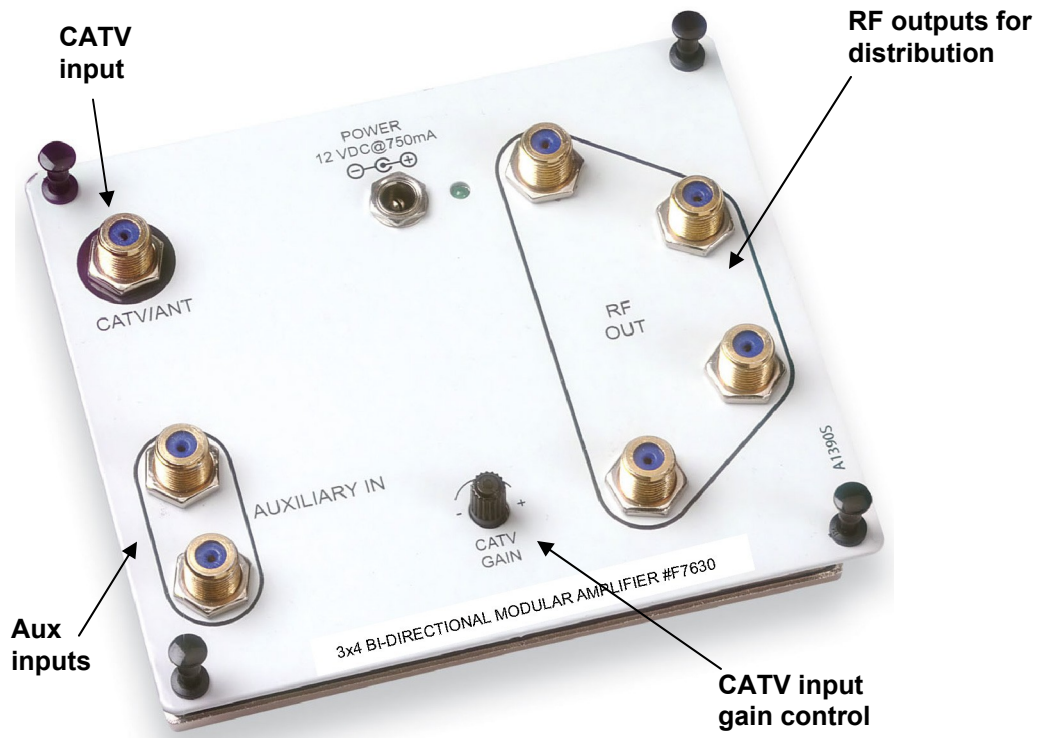


Figure 1

#### 3. Installation

The On-Q 3x4 Enhanced Bi-directional Video Amplifier is typically installed during “trim-out” or as an upgrade for an existing installation.

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- a. Insure that the double bay bracket into which the 3x4 Enhanced Video Amplifier will be installed is housed in a Titan or Premium/Custom enclosure with enclosure extenders added to provide adequate space for the required bend radius of the RF cables that will be attached to the module.
- b. Align the module on the double space bracket so that the pus-pins on the corner of the module line up with the holes on the bracket and secure the module with the push-pins.
- c. Attach the CATV or antenna input cable to the CATV/ANT jack (see **Figure 2**).
- d. Attach up to two modulated signal cables to the AUXILIARY IN jacks (see **Figure 2**).
- e. Attach RF coaxial jumper cables from the RF OUT jacks to CATV/ANT in jacks of any passive video modules that will be used for video distribution around the home (see **Figure 2**).
- f. The 3x4 Enhanced Bi-directional Video Amplifier is powered with +12VDC (750mA) from an F7726 Power Supply. Attach the cable from the power supply to the +12VDC jack on the module, and plug the power supply into an AC outlet.
- g. Use the CATV GAIN adjustment on the front of the module to attenuate the CATV/ANT signal in cases where that signal is too strong and may cause the high gain outputs to be over driven or to in effect balance the signal level between internal (fixed gain) and external inputs.
- h. Installation of the 3x4 Enhanced Bi-directional Video Amplifier is now complete.

