

Introduction

Low Density Parity Check (LDPC) eliminates the need for users to analyze the many choices of codes, modulation formats and code rates available in the market. LDPC provides a single modem platform for selecting a modulation/code/code rate combination that will simultaneously optimize power and bandwidth for any given transponder. This new technology will allow users to maximize operations.

The basic performance of the uncoded 8-QAM is better than the uncoded 8-PSK, but has a slightly higher peak-to-average power ratio than 8-PSK. Further testing has shown that combining 8-QAM with LDPC results in highly robust performance.

Installation

1. Remove unit cover.
2. Install PL/10341-1 Card as shown, retaining clips will 'snap' into place securing card to connector (J3).
3. Loosen indicated flat head screw(s), then perform the following:
 - a. Connect RED wire to RED wire.
 - b. Connect BLACK wire BLACK wire



Install smaller wire on TOP of LARGER wire.

4. Secure wires in place by tightening screws until wires are held in place so that a gentle tug on the wires will not pull them out of the GREEN connector.
5. Carefully replace unit cover and proceed to: <http://www.comtechedata.com>
 - a. Locate: **Downloads / Flash Upgrades / Flash Firmware Data Files**
 - b. Download and install: F1422AJ_V160_111904 (or newer data file)



