



New Software Releases – 600 Series Modems

CDM-600 Version 2.1.0 &

CDM-600L Version 1.4.0

Product Bulletin

October 26, 2005

New software releases are available for the 600 Series of Satellite Modems. Version 2.1.0 for the CDM-600 (70/140 MHz) and version 1.4.0 for the CDM-600L (L-Band) provide new features for added control and flexibility. Below is a summary of the new functionality.

Drop & Insert

The Open Network version of Drop & Insert (D & I) is enhanced and can now be combined with high-rate Engineering Service Channel (ESC) and Automatic Uplink Power Control (AUPC). The high-rate ESC channel operates the same for D & I as it does for IBS framing, using bytes 16 and 48 of the overhead channel to pass the data characters over the satellite link. This is the first implementation of the Open Network D & I where overhead is utilized for added functionality. The AUPC portion occupies the unused first bit of byte 0, and is not available with IBS framing. This enhanced D & I is applicable to E1 CCS operation, and is fully backwards compatible.

Enhanced Remote Control Commands

Two new commands are available for querying the symbol rates via the remote port, Transmit Symbol Rate (TSR) and Receive Symbol Rate (RSR). These commands were previously only displayed on the front panel of the modem, prohibiting the symbol rates to be queried when managing remotely.

In addition, a front panel lockout feature is now available. When the CDM-600 and CDM-600L are configured for "remote mode" control, this new feature locks out the ability to configure the modem locally. However, the configuration parameters can still be viewed locally.

Obtaining the New Software

This new software can now be downloaded from our web site, www.comtechefdata.com under the "Downloads" section. Additional detail on the new functionality is available in the user manual and applicable addendum.

If you have any questions about this release, please contact your Comtech EF Data sales associate.

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