

CDM-570A Modem 1.5.6 Release

Approval Signatures			
CDM-570A Product Manager:	Date:	CDM-570A Originator:	Date:

Applicability
Bulk release 1.5.6 (FW-0020683R) for the CDM-570A Modem. Includes Bulk firmware and SNMP MIBs.

[illegible]

FSCM No. 4J515

Table of Contents

THIS RELEASE	3
COMPATIBLE SNMP MIBS	3
CHANGE HISTORY	3
KNOWN ISSUES	5

This Release



*When Upgrading FW from version 1.4.3 or older, you **MUST** ftp new FW three times in order to program it correctly into both images. After each FTP, you **MUST** switch image and reboot modem from the other image.*

This CDM-570A Modem release has the following changes.

1.5.6 Features

- Adds support of speed and duplex control and monitor of Dedicated Management Port via Packet Processor user interface.
- Adds support of displaying "IP Module Configuration" Active/Backup on Modem Status web page.

1.5.6 Fixes

- Fixes bug that Front Panel Lockout serial remote command (FPL=1) doesn't prevent someone from making changes from Front Panel.
- Fixes bug that modem didn't indicate alarm for Loss of Tx clock from Terrestrial Interface.
- Fixes bug that modem didn't indicate AGC alarm for low Rx input carrier level.

Compatible SNMP MIBS

MIB Name	Filename	Date (mm/dd/yyyy)
CDM-570A MIB	FW-0020760E.mib	11/10/2016
CDM-570A Traps MIB	FW-0020762A.mib	12/15/2014
CDM-570AL MIB	FW-0020761-.mib	04/14/2014
CDM-570AL Traps MIB	FW-0020763-.mib	04/14/2014
CEFD Root MIB	FW10874-2-.mib	08/20/2004

Change History

This section shows the change history over previous versions.

1.5.5 Features

- None

1.5.5 Fixes

- Fixes bug that VersaFEC-2 Tx and Rx modcod were wrongly configured through web page.
- Fixes bug that EDMAC slave modem M&C hang and reboot after Tx command.
- Fixes bug that front panel allowed user to select VF2L and VF2S without FAST and/or hardware options.
- Fixes issue that BERT monitor intermittently shows BER/ERR when demodulator is unlocked.

1.5.4 Features

- None

1.5.4 Fixes

- Fixes modem boot up issue at factory with the new slower 110ns flash memory chip. Requires boot firmware v1.1.2 (FW-0020684A_1.1.2.bin).

1.5.3 Features

- None

1.5.3 Fixes

- Fixes an issue where UserName/Password got lost after reboot when the length is 10 characters. (TT #12534)
- Fixes an issue where MGC= serial command failed intermittently at 38400 and 57600 baud rate. (TT #10454)

1.5.2 Features

- VersaFEC-2, CCM and ACM, Short block and Long block – 74 new ModCods and new constellations, including new 8-ary, 16-ary and 32-ary.
- Carrier ID – DVB compliant standard – see ETSI TS 103 129 – Digital Video Broadcasting (DVB); Framing structure, channel coding and modulation of a carrier identification system (DVB-CID) for satellite transmission.

1.5.2 Fixes

- Fixes an issue where BUC Tx output couldn't be disabled through FSK.
- Resolves a timing issue in the VersaFEC decoder, following board ECOs.
- Fixes an issue where FAST option Demo mode turns QoS OFF.
- CnC fixes.
- Allows IESS-315-On scrambler/descrambler option in all FEC types.
- Makes SNR remote command return EsNo value even when modem is not in ACM mode.
- Bypasses CnC in IF/RF loopback test mode.

1.4.3 Features

- Displays local SNR (ACM) on the web page modem status tab. TT11847 12/14/15

1.4.3 Fixes

- IF base modem ODU/FSK: response errors causing unit to hang. TT 10312
- Base modem fix for: CnC on, Tx off, demod lock. (Customer RigNet)
- 8 ODU bugs found during release TT 12064, 12068, 12071, 12081, 12082, 12091, 12092, 12099.

1.4.2 Features

- Adds support for 570-compatibility VMS.

1.4.2 Fixes

- Fixes a bug that the LBand unit would not retain 18V LNB voltage after power cycle.
- Forces 1:1 Redundancy Auto/Manual Switch to Auto when changing from 570A-compatibility mode to 570-compatibility mode.

1.4.1 Features

- Adds support for RADIUS
- Adds support for configuring SNMP on the PaP CLI.

1.4.1 Fixes

- Fixes a bug that crashes the modem if an invalid FAST string is accepted

1.3.2 Features

- Adds Tx Ethernet Link Down Alarm Mask.

1.3.2 Fixes

- Fixes a bug in the remote command IPA which would accept an invalid IP/subnet mask.
- Fixes a bug in the web UI which wouldn't take the password change on read-only user.

1.3.1 Features

- Enhance configuration page of the web UI.

1.3.1 Fixes

- Fix a bug where modem would not lock when the spectrum inversion has been set.
- Fix a bug where the modem would show Tx datarate on Rx datarate Info page on the Front Panel.
- Fix a bug where PSDR in CnC mode would be reported incorrectly.

1.2.2 Features

- Add ACM statistics.

1.2.2 Fixes

- Fix a bug where ACM could not acquire lock when frequency offset is greater than zero.

1.2.1 Features

- Vipersat support

1.2.1 Fixes

- None

1.2.0 Features

- IP Option Card support
- IP-ACM
- Fractional CnC
- Constellation and Spectrum Display on web UI

1.2.0 Fixes

- None

1.1.2 Features

- None.

1.1.2 Fixes

- Fixed G.703 pulse mask.

1.1.1 Features

- Backward compatible with original CDM-570/L
- Optimized Transmit filter rolloff
- Carrier-in-Carrier Bandwidth compression
- Extended L-Band frequency
- VersaFEC Low Latency LDPC FEC
- Upgraded Web pages

Known Issues

None