

## CDM-570/L IP MODULE UPGRADE INSTRUCTIONS

### Version 1.6.23 Upgrade File

This release includes the bulk file for upgrading the IP v1\_module to firmware version 1.6.23.

#### Upgrade Files

Bulk	Filename	Description
FW-0000120AB	FW-0000120AB.bin	Contains Bootrom, FPGAs, and Application
FW10875AW	FW10875AW.bin	Contains Bootrom, FPGAs, and Application

### Upgrade Instructions

**IMPORTANT!** – During the upgrade process, the command line will display several events as they occur when connected to either the Serial Console Port interface or Telnet interface. These events include FTP login, writing the image to flash, and verification that the FTP transfer was completed.

For upgrades to a local port - It is recommended that this upgrade be performed with a PC that is locally attached to the modem via the RS-232 Serial Console Port and the Traffic LAN Port.

For upgrades to a remote unit over a satellite link - It is recommended that this upgrade be performed with a PC that has a Telnet session connection.

**IMPORTANT!** - Be sure that the CDM-570 remains powered on and is not reset or interrupted during the file transfer process.

1. Verify the connection by issuing a "ping" command to the IP of the modem.
2. Initiate an FTP session with the modem by typing "ftp xxx.xxx.xxx.xxx" where "xxx.xxx.xxx.xxx" is the Ethernet IP address. Enter your admin user name and password to complete the login.
3. Verify the FTP transfer is binary by typing "bin". Type "prompt" then type "hash" to facilitate the transfer process.
4. Type "put FWxxxxxxxxx.bin" to begin the file transfer. This will load the Bootrom, Application, and Tx/Rx FPGA files.

After verifying a successful file transfer, terminate the FTP transfer by typing "bye".

**IMPORTANT!** – If the file transfer is not successful for any reason, do not reset or power down the CDM-570/L. Restart the FTP session and repeat steps 2-4. If the file transfer is still not successful or regarding any other issues contact customer support at the following.

[esc@comtecheftdata.com](mailto:esc@comtecheftdata.com)

Toll Free, U.S. & Canada +1 866-472-3963

Outside U.S. & Canada +1 240-243-1880

Verify that FWxxxxxxxx.bin (Rev 1.6.23) is loaded by selecting Operations & Maintenance/Unit Information. The console should display that either IP Bulk #1 or IP Bulk #2 is now Rev 1.6.23.

Also, verify that the “IP Module Boot From” image is set to "Latest".

Note: The user has the ability to specify which base modem firmware version should be booted from after a reboot, using the “Base Modem Boot From” image.

#### Operations and Maintenance

```
Unit Uptime.....[x days  x hours  x mins  x secs]
Unit Information.....I
IP Module Boot From.....[Latest].....B
Base Modem Boot From.....[Latest].....A
Upgrade To.....[Oldest].....U
Codecast Multicast Address..[xxx.xxx.xxx.xxx].....M
PARAM Image.....[PARAM].....C
Statistics.....T
Event Log.....E
Database Operations.....D
Reset.....R
Diagnostics.....G
M&C Interface.....F
```

After verifying that Ver. 1.6.23 has been uploaded, save Parameters to permanent storage (press ‘s’ and ‘y’) and then reboot the IP Module (press ‘r’ and ‘y’). Once the CDM-570/L reboots, the IP Module will be running Ver. 1.6.23