

# FIRMWARE RELEASE NOTES



Model	Chameleon CTM-15X modem
Revision:	Firmware R1.2.0 Revision 1.0

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## 2 Revision Control

Description	Revision	Date
Customer Release	Firmware R1.2.0 Rev 1.0	June-2009

## 3 Firmware Release Notes for the CTM-15X Modem (R1.2.0)

This release note provides an overview of the features in the CTM-15x embedded firmware release.

### 3.1 R1.2.0 Changes

#### 3.1.1 New Features

- Support for a broader range of wireless data devices, support added for GPRS/HSPA devices
- Universal watchdog feature for use with wireless data modules that don't provide low level diagnostic information, useful for determining if there is wireless coverage: **univwd**, **univwdtimer**
- Revised reporting system and report configuration commands for additional trigger conditions/events
- Embedded support for Cypress Solutions 2.4 Ghz products: "Man-Down" Pendant, "Engine Diagnostics Transmitter" and "Marine Asset tracker"
- Support for 3rd party devices such as Salt spreader controllers and HID compliant Swipe card readers

- New GPS odometer command for tracking mileage: **odometer**
- New engine hours commands for monitoring accumulated engine hours: **enghrmode**, **enghours**
- New hard acceleration/deceleration triggers for monitoring aggressive driving behaviour: **gpsaccel**
- Updated Store and Forward system for more robust storing and forwarding of out of coverage data
- Updated command for showing current modem configuration in script format: **showconfig**
- New remote upgrade and device configuration capability, modems can be remotely upgraded, and configured with little or no end user input using an upgrade server managed by Cypress Solutions
- New Engine Diagnostics reports and triggers for monitoring driving behaviour: **obdcond**, **pobda-pobdd**
- Enhanced power wake on event command for scheduled power cycles: **pwrwoe**
- Improved MODBUS support including serial master gateway support (**modbusmode**, **modbusidmap**), backward compatibility with MODBUS on CTM13X modems (**modbusctm130**), and configurable MODBUS listening port (**modbusport**)
- New report messages:
  - ULCP binary format message type 88: acceleration/declaration event data with GPS
  - ULCP binary format message type 89: Modem ID/firmware revision/odometer data
  - ULCP binary format message type 90: odometer data
  - Proprietary NMEA message type 136 \$PACCEL: GPS Acceleration/Deceleration with Modem ID
  - Proprietary NMEA message type 137 \$PODO: GPS Odometer with Modem ID
- Added commands for modem LAN configuration: **landhcp**, **landns**, **lanip**, **lannetmask**, **lanrepip**
- Feature for sending configuration commands over SMS for modems with Sierra Wireless data modules

### 3.1.2 Fixes

- Fixes for wireless data module issues
- Fixes for MODBUS gateway issues
- Fixes for PAD client/server issues
- Fixes for power management commands
- Fixes for disabling ping and Dynamic DNS features
- Fixes for ULCP remote configuration messages
- Fix for SMTP issue for e-mail reporting

### 3.1.3 Notes

- This version of firmware is only for modems with factory serial numbers(S/N) beginning in CTM152C... , and CTM152E... and later. The factory serial number is located on the top front face of the modem. If you have modem(s) with a serial number different than those listed and wish to upgrade, please contact Cypress Solutions.
- The half-bridge mode feature configured through the **modemmode** command is not supported in this release. Please contact Cypress Solutions for more information.

## 4 Technical Support/Warranty:

**Cypress Solutions Service  
Support Group**

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