

# FIRMWARE RELEASE NOTES



Model	Chameleon CTM-130/132 modem
Revision:	# 1849.0060 Revision 1.3.0

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## 2 Revision Control

Description	Revision	Date
Customer Release	# 1849.0060 Revision 1.3.0	29-Nov-2006

## 3 Release Notes for the CTM-130/132 Modem Firmware (Rev 1.3.0)

### New features

- Added new message types:
  - PKML - Real time tracking of a GPS reporting on Google Earth
  - PGPS - GPS message
  - GPGSA - NMEA GSA
  - GPGSV - NMEA GSV
  - PRFI - CDMA network diagnostics
  - PPWR - VCC, ignition status and Temperature
- Added more information in the MODBUS “Read Analog Input” message
- Added all message types to the embedded web for report configuration
- Enhanced SnF:
  - Non-Volatile Store and Forward Feature (Requires a hardware upgrade, nios version 143 and F/W R1.30 and above. Please contact Cypress Solutions for details.)
  - I/O triggering and multiple triggers
  - New message types supported with no loss of the number of SnF reports stored

- Enhanced Power Management:
  - Enable modem to wakeup periodically while ignition off – AT^PWRWOE (Requires mini micro version 5. Please contact Cypress Solutions for details.)
- Enhanced PAD:
  - AT^PADDISC – Send blank UDP packet to close connection
  - AT^PADSVCT – Maximum PAD connection time
- New commands:
  - AT^TEMP? – Displays modem’s current temperature
  - AT^IOOUTPUT – Sets Outputs based on Input changes
  - AT^SHOWMES – Display up to 4 messages
- New features:
  - Circuit switched emulation – AT^CEADDR and AT^CEPORT
  - Communication watchdog timer – AT^COMMWD
  - Email commands for sending emails
- Added circuit switched call fail power cycle

**Bug Fixes:**

- Added messages types LN and LV (TAIP) to the embedded web for report configuration
- Removed GGA as default message in all reports
- GPS validity – Requires 4 satellites, stable altitude, stable vertical speed, and 10 valid GPS fixes before declaring the GPS valid
- Fixed heading change bug: 359 to 0 degrees transition. Enhanced delta heading triggers so that turns are not missed
- GPS report triggering no longer uses invalid fixes to trigger
- Fixed AT^GPSCOND’s velocity min/max bugs
- Fixed message corruption when sending two messages in report (#82 & #112)
- Alarm on change bug fixed – no longer continuously in alarm.
- Fixed input trigger wakeup problem
- Fixed bug with PWRWOE with input held in alarm > 5 secs.
- Fixed \*555 web page access
- Fixed the “AT&V1” and “GPSCOND?” display anomaly
- Fixed AT^CTMSTS on report #10 operation
- Allow for larger TCP packet size
- Changing from MODE 2 to MODE 1, connection now closes immediately
- Fixed Telnet bug
- Fixed local reporting on SLIP
- Fixed ping modem from local host
- All AT commands accessible over remote telnet

## 4 Technical Support/Warranty:

**Cypress Solutions Service**

**Support Group**

1.877.985.2878 or 604.294.4465

9.00am to 5.00pm PST

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