



## Release Notes for CradlePoint rev 2.5.2 Firmware

### ***Products supported/tested:***

CradlePoint Travel Router (CTR350)

CradlePoint Personal Hotspot (PHS300)

Note: The CTR350 does not support 4G (WiMAX) modems.

### ***Phone modems/handsets tested (devices added since 2.5 in blue):***

#### **USB Modems**

Calcomp a600/Cricket

EMOBILE D02HW/EMOBILE

EMOBILE D11LC/EMOBILE

EMOBILE D12LC/EMOBILE

EMOBILE D21HW/EMOBILE

EMOBILE D21LC/EMOBILE

EMOBILE D22HW/EMOBILE

Franklin CDU-550/Sprint

Franklin CDU-680/Sprint and nTelos and Pioneer Wireless (GPS - see Known Issues)

Franklin U300/Clear, Sprint, [Comcast](#), [Time Warner Cable](#) & Xohm (3G and 4G support)

[Franklin U301/Sprint and Time Warner Cable](#)

[Huawei E156G/3 \(UK\)](#)

[Huawei E160E/Orange \(UK\)](#)

Huawei EC168/Alltel

Huawei EC168C

[Huawei E180 \(K3565\)/Vodafone \(UK\)](#)

Huawei E181/T-Mobile & AT&T

Huawei E220/AT&T

Huawei EC228/Alltel

Huawei UMG-181/T-Mobile & AT&T

LG L-02A/AT&T and DoCoMo

[Motorola 25w100 Modem/Time Warner Cable and Clear](#)

Novatel MC760/Virgin, Bell, Comcast

[Novatel MC760D/Bell and Cellcom](#)

Novatel MC930D/AT&T

Novatel MC950D/AT&T

[Novatel MC998D/Bell Canada](#)

Novatel U720/Sprint and Verizon (GPS - Sprint only)

Novatel U727/Sprint and Verizon (GPS - Sprint only)

Novatel U760/Sprint, Verizon and Verizon (GPS - Sprint only)

Novatel MiFi 2200/Sprint and Verizon

Option Quicksilver/AT&T \* (see Known Issues)

Pantech UM100/Cricket

Pantech UM150/Verizon and Alltel

Pantech UM175/Verizon and Alltel

[Pantech UM185/Cricket](#)

[Pantech UMW190/Verizon](#)

[Sierra Wireless 305 USB/AT&T](#)

[Sierra Wireless 306 USB/AT&T and Telus](#)

Sierra Wireless 595U USB/Sprint, Verizon and Telus (GPS - Sprint only)

Sierra Wireless Compass 597U/Sprint and [Telus](#) (GPS)

Sierra Wireless Compass 598U/Sprint, [Telus](#) and Pioneer Wireless (GPS)

Sierra Wireless 875U USB/AT&T

Sierra Wireless 880U/AT&T

Sierra Wireless 881U USB/AT&T

Sierra Wireless Compass 885U USB/AT&T

Sierra Wireless Compass 889/02 (UK)

Sierra Wireless USBConnect Mercury/AT&T

Softbank C01LC/Softbank

UBEE PXU1900 /Clear

ZTE MF626 (b-mobile 3G)/AT&T

ZTE MF636/AT&T

ZTE MF637/T-Mobile (UK)

ZTE MF668/Rogers

ZTE TU25/Xohm, Comcast and Digital Bridge\*

## **ExpressCard Modems (Requires an ExpressCard-to-USB adaptor)**

Huawei E870/AT&T

Kyocera KPC680/Sprint and Verizon

Novatel C777/Sprint and Verizon

Novatel PC770/Verizon

Novatel EX720/Sprint (GPS)

Novatel V740/Verizon

Novatel X950D/AT&T

Option GE442/ T-Mobile

Option GT Max 3.6 Express/AT&T\*

Option GT Ultra Express/AT&T\*

Note: Requires an ExpressCard-to-USB adapter that provides 1.2V

Sierra Wireless 402/Sprint and Pioneer Wireless

Sierra Wireless 597E/Sprint and Telus (GPS - Sprint only)

Sierra Wireless 880E/AT&T

## **Handsets**

HP iPaq 910/AT&T

HTC Touch/Sprint

HTC Mogul PPC-6800/Sprint

HTC Apache PPC-6700/Sprint

LG VX8000 and VX8300/Verizon

LG VX7200/Verizon

LG Musiq/Sprint

LG Fusic LX-500/Sprint

Motorola v3c RAZR/Sprint and Verizon

Motorola RAZR2/Sprint

Motorola Q and Q9c/Sprint

Motorola RAZR v3xx/AT&T

Motorola Q v9h/AT&T

Motorola KRZR/Sprint

Palm 700w/Sprint and Verizon

Palm 700p/Verizon

Palm 755p/Sprint

Palm Centro/Sprint \*

\* Note: Palm Centro requires Router Rev. 1.1 hardware or use of an external hub.

RIM BlackBerry Bold 9000/AT&T

RIM BlackBerry Pearl 8130/Sprint and Verizon

RIM BlackBerry Curve 8330/Sprint and Verizon

RIM BlackBerry 8703e/Sprint and Verizon

RIM BlackBerry 8830/Sprint and Verizon

RIM BlackBerry 9530 Storm/Verizon

Samsung ACE/Sprint

Samsung A900/A900M/A920/Sprint

Samsung SCH-i830/Sprint

Samsung SGH-A707/AT&T

Samsung Blackjack (SGH-i607)/AT&T

Samsung SPH-m520/Sprint

Sanyo MI/Sprint

Sanyo SCP-6600 (Katana)/Sprint

Sanyo Katana 2/Sprint

Sanyo SCP-8400/Sprint

## **Notes:**

- Devices marked as AT&T were tested using the AT&T network in the United States. The device may or may not work with other UMTS/GSM carriers internationally.

## ***New features added in this release:***

- Added aggressive modem reset (configurable through Modems->Settings web page). This feature causes the router to try various reset techniques to get a modem to recover if it appears to have become unresponsive.
- Added connection verify (configurable through Modems->Settings web page). This causes the router to periodically verify the modem connection to the Internet is still functioning. If not, the router will reestablish the connection. Some modems on some cellular networks can get into a condition where they report the connection as still functioning when it is not.
- Modified 4g auto reconnect feature (configurable through Modems->Settings web page) to be able to configure 3G to 4G reconnect based on data conditions or based on a timer.
- Added make-before-break to 4G auto reconnects for dual mode 3G/4G modems. For modems that support it, the router will now connect to the 4G network before disconnecting the 3G network (previously it always disconnected the 3G first because some modems required it).
- New modem support added, listed above.

## ***Additional UI/usability changes:***

## ***Defects fixed:***

- Fixed Blackberry Bold not working issue.
- Fixed Blackberry Curve not working issue
- Fixed Blackberry Storm OS 5.0 not working issue
- Fixes to make WIMAX connections more reliable
- Fixed WIMAX baseband wakeup not working properly
- Fixed reset issue on Franklin U300
- Fixed WIMAX potential authentication failure issue

## ***Known issues:***

### **Carrier**

- nTelos. These modems appear to block incoming ports. That affects the ability to use features such as Remote Management, GPS Network port on WAN, and responding to a WAN ping.
- AT&T. These modems appear to block some incoming ports. That affects the ability to use features such as Remote Management.

### **Modem/Phone**

- Option GT and Ultra Express modem support. These modems can take up to 2.5 minutes to make a data connection. In our tests, they appear to spend a long time attempting to get a signal before they can make a data connection. The Ultra seems to connect more quickly in our tests. Note that the Ultra Express' performance in the router is not as good as in the PC. This modem works with the router, but if you have a choice any of the other GSM modems such as the Novatel or Sierra Wireless are more compatible.

### **WiMAX**

- Best performance of the router and modem occur with the router's Wi-Fi channel set to a low number (1 or 2). At higher frequencies the Wi-Fi and WiMAX radios may interfere with each other, which you may see as lower network performance.