



## Release Notes for CradlePoint rev 2.4.5 Firmware

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

CradlePoint Travel Router (CTR350)

Personal Hotspot (PHS300)

### ***Phone modems/handsets tested (devices added since 2.4.2 in blue):***

#### **USB Modems**

Calcomp a600/Cricket

Clear USB Modem/Clear \*

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 & Xohm (3G and 4G support) \*

Huawei EC168/Alltel

Huawei EC168C

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

[Novatel MC760/Virgin and Bell](#)

Novatel MC930D/AT&T

Novatel MC950D/AT&T  
Novatel U720/Sprint and Verizon (GPS – Sprint only)  
Novatel U727/Sprint and Verizon (GPS – Sprint only)  
Novatel U760/Sprint 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  
Sierra Wireless 595U USB/Sprint, Verizon and Telus (GPS – Sprint only)  
Sierra Wireless Compass 597U/Sprint (GPS)  
Sierra Wireless Compass 598U/Sprint 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 AT&T USBConnect Mercury/AT&T  
Softbank C01LC/Softbank  
ZTE MF626 (b-mobile 3G)/AT&T  
ZTE MF636/AT&T  
ZTE TU25/Xohm \*

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

Huawei E870/AT&T  
Kyocera KPC680/Sprint and Verizon  
Novatel C777/Sprint  
[Novatel PC770/Verizon](#)  
Novatel EX720/Sprint (GPS)  
Novatel V740/Verizon  
Novatel X950D/AT&T  
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: Use of the 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 M1/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.
- Upgrading to this firmware release may cause a factory reset from previous firmware. Please be sure to save your configuration settings (Tools -> Admin menu) before loading this firmware and then restore your configuration afterward if necessary.

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

- Added Novatel MC760 and PC770 modems.

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

- None

### **Defects fixed:**

- Disabled the ability for the PHS to write to flash if it is on battery and the battery is low. This may lead to flash corruption. Configuration settings will not be saved if the battery low LED is on and the unit is not plugged into an external power source.
- Fixed a defect in automatic configuration save/restore that might not save WPA key correctly.

### **Known issues:**

#### **GPS**

- GPS and Mapquest. When using Mapquest, the default zoom is out too far to be really useful. While you can zoom in, if you use auto-refresh the loaded page will be zoomed out again. Workaround is to either use one of the other map sites, or do not use auto-refresh with Mapquest.
- GPS, Internet Explorer 7.0, and Yahoo maps. When using IE 7.0 and Yahoo maps, the position on the map would not refresh. The Latitude and Longitude change on the address bar, so this is likely an IE 7.0 issue.
- GPS, Safari 3.04, and Windows Vista. Safari and Windows Vista would not load any of the map sites. Safari worked fine on an Apple Mac.

## 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 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.](#)
- Franklin CDU-680 and GPS. If the modem is plugged into the router and a data connection is made, the modem may not provide an initial GPS position fix. If a data connection is not made, then the modem can get its initial GPS fix. After that, it can provide both GPS position and a data connection. A simple way to accomplish this is to go to the router's Status -> Device Info page and press the “Disconnect” button. Then go to Tools -> GPS and get a position. Then go back to the Status -> Device Info page and press “Connect”. You should continue to get GPS updates.

## WiMAX

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