

## Release Notes for CradlePoint rev 2.5.3 Firmware

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

Clearwire CLEAR Spot (PHS300cw)

### ***Phone modems/handsets tested (devices added since 2.5.2 in blue):***

#### **USB Modems**

[AnyDATA ADU-555C \("M-Blaze Premium"\) / MTS \(India\)](#)

AxxessTel MU230 / *Cellcom (USA)*

Calcomp a600 / *Cricket (USA)*

Franklin CDU-550 / *Sprint (USA)*

Franklin CDU-680 / *nTelos (USA)* (GPS - see Known Issues)

Franklin CDU-680 / *Pioneer Wireless (USA)* (GPS - see Known Issues)

Franklin CDU-680 / *Sprint (USA)* (GPS - see Known Issues)

Franklin U300 ("Clear 4G+ USB Modem") / *Clear (USA)*

Franklin U300 (CMU-300) ("Comcast High Speed 2go") / *Comcast (USA)*

Franklin U300 ("Sprint 3G/4G USB Modem U300") / *Sprint (USA)*

Franklin U300 ("Road Runner Franklin U300") / *Time Warner Cable (USA)*

Franklin U301 ("Sprint 3G/4G USB Modem U301") / *Sprint (USA)* (3G Activation)

Franklin U301 ("Road Runner Franklin U301") / *Time Warner Cable (USA)*

Huawei D02HW / *EMOBILE (Japan)*

Huawei D21HW / *EMOBILE (Japan)*

Huawei D22HW / *EMOBILE (Japan)*

[Huawei E1550 / Tele2 \(Sweden\)](#)

[Huawei E1550 / Telenor \(Sweden\)](#)

[Huawei E1550 / "3" \(Sweden\)](#)

Huawei E156G / "3" (UK)

Huawei E160E / *Orange (UK)*

[Huawei E1691 \("T-Mobile webConnect Jet USB"\) \(UMG1691\) / T-Mobile \(USA\)](#)

[Huawei E1750 / Telia \(Sweden\)](#)

[Huawei E1750 / Tele2 \(Sweden\)](#)

[Huawei E1750 / Telenor \(Sweden\)](#)

[Huawei E1750 / Orange \(UK\)](#)

Huawei E181 (UMG181) / AT&T (USA)  
Huawei E181 ("T-Mobile webConnect USB") (UMG181) / T-Mobile (USA)  
Huawei E182E / Telus (Canada)  
Huawei E182E / "3" (Sweden)  
Huawei E1831 (webConnect Rocket USB) (UMG1831) / T-Mobile (USA)  
Huawei E220 / AT&T (USA)  
Huawei EC168 / Alltel (USA)  
Huawei EC168 / Verizon (USA)  
Huawei EC168C / Alltel (USA)  
Huawei EC168C / Verizon (USA)  
Huawei EC228 / Alltel (USA)  
Huawei K3565 (E180) / Vodafone (UK)  
LG L-02A / AT&T (USA)  
LG L-02A ("NTT DoCoMo L-02A") / DoCoMo (Japan)  
Longcheer C01LC / Softbank (Japan)  
Longcheer D11LC / EMOBILE (Japan)  
Longcheer D12LC / EMOBILE (Japan)  
Longcheer D21LC / EMOBILE (Japan)  
Motorola USBw 100 (25w100) ("Clear USB Modem") / Clear (USA)  
Motorola USBw 100 (25w100) / Time Warner Cable (USA)  
Novatel MC720 ("Sprint U720") / Sprint (USA) (GPS - see Known Issues)  
Novatel MC720 ("Verizon USB720") / Verizon (USA)  
Novatel MC727 ("Sprint U727") / Sprint (USA) (GPS - see Known Issues)  
Novatel MC727 ("Verizon USB727") / Verizon (USA)  
Novatel MC760 ("Novatel U760") / Bell Mobility (Canada)  
Novatel MC760 / Cellcom (USA)  
Novatel MC760 / Comcast (USA)  
Novatel MC760 / Virgin Mobile (USA)  
Novatel MC760 ("Sprint U760") / Sprint (USA) ([3G Activation](#), [PRL Update](#), GPS - see Known Issues)  
Novatel MC760 ("Verizon USB760") / Verizon (USA) (GPS - see Known Issues)  
Novatel MC930D / AT&T (USA)  
Novatel MC950D / AT&T (USA)  
Novatel MC998D ("U998 HSPA+ Turbo Stick") / Bell Mobility (Canada)  
Novatel MiFi 2200 / Sprint (USA)

Novatel MiFi 2200 / *Verizon (USA)*  
Option iCON 322 ("AT&T USBConnect Quicksilver") / *AT&T (USA)* \* (see Known Issues)  
[Option iCON 461 \("AT&T USBConnect Velocity"\) / AT&T \(USA\)](#)  
Pantech UM100 / *Cricket (USA)*  
Pantech UM150 / *Alltel (USA)*  
Pantech UM150 / *Verizon (USA)*  
Pantech UM175 / *Alltel (USA)*  
Pantech UM175 / *Verizon (USA)*  
Pantech UM185 / *Cricket (USA)*  
Pantech UMW190VZ / *Verizon (USA)*  
[Pantech UMW190NCD / Verizon \(USA\)](#)  
[Sierra Wireless 250U / Sprint \(USA\) \(3G Activation, PRL Update\)](#)  
Sierra Wireless 305 USB ("AT&T USBConnect Lightning") / *AT&T (USA)*  
Sierra Wireless 306 USB / *AT&T (USA)*  
Sierra Wireless 306 USB / *Telus (Canada)*  
Sierra Wireless 595U USB / *Sprint (USA)* (GPS - see Known Issues)  
Sierra Wireless 595U USB / *Telus (Canada)*  
Sierra Wireless 595U USB / *Verizon (USA)*  
Sierra Wireless Compass 597U / *Sprint (USA)* (GPS - see Known Issues)  
Sierra Wireless Compass 597U / *Telus (Canada)*  
Sierra Wireless Compass 598U / *Pioneer Wireless (USA)* (GPS - see Known Issues)  
Sierra Wireless Compass 598U / *Sprint (USA)* ([3G Activation](#), [PRL Update](#), GPS - see Known Issues)  
Sierra Wireless Compass 598U / *Telus (Canada)* (GPS - see Known Issues)  
Sierra Wireless 875U / *AT&T (USA)*  
Sierra Wireless 880U / *AT&T (USA)*  
Sierra Wireless 881U ("AT&T USBConnect 881") / *AT&T (USA)*  
Sierra Wireless Compass 885 (885U) ("AT&T USBConnect Mercury") / *AT&T (USA)*  
[Sierra Wireless Compass 888 / AT&T \(USA\)](#)  
Sierra Wireless Compass 889 / *O2 (UK)*  
Ubee PXU1900 ("Clear 4G Mobile USB") / *Clear (USA)*  
Ubee PXU1901 / *Sprint (USA)*  
[ZTE AC2726 / Reliance \(India\)](#)  
[ZTE AC2766 \("M-Blaze Standard"\) / MTS \(India\)](#)  
ZTE MF626 / *AT&T (USA)*

ZTE MF626 ("B-Mobile 3G") / *B-Mobile (Japan)*  
ZTE MF636 / *AT&T (USA)*  
ZTE MF636 ("Rogers HSPA Rocket Stick") / *Rogers (Canada)*  
ZTE MF637 / *T-Mobile (UK)*  
ZTE MF668 ("Rogers HSPA+ Rocket Stick") / *Rogers (Canada)*  
ZTE TU25 / *Comcast (USA)*  
ZTE TU25 / *Digital Bridge (USA)\**  
ZTE TU25 / *Sprint (USA)*  
ZTE TU25 / *Xohm (USA)*

## **Handsets**

HP iPaq 910 / *AT&T*  
HTC Touch / *Sprint*  
HTC Mogul PPC-6800 / *Sprint*  
HTC Apache PPC-6700 / *Sprint*  
LG VX8000, VX8300 / *Verizon*  
LG VX7200 / *Verizon*  
LG Musiq / *Sprint*  
LG Fusic LX-500 / *Sprint*  
Motorola v3c RAZR / *Sprint, Verizon*  
Motorola RAZR v3xx / *AT&T*  
Motorola RAZR2 / *Sprint*  
Motorola Q, Q9c / *Sprint*  
Motorola Q v9h / *AT&T*  
Motorola KRZR / *Sprint*  
Palm 700w / *Sprint, Verizon*  
Palm 700p / *Verizon*  
Palm 755p / *Sprint*  
Palm Centro / *Sprint*

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

RIM BlackBerry Bold 9000 / *AT&T*  
RIM BlackBerry Pearl 8130 / *Sprint, Verizon*  
RIM BlackBerry Curve 8330 / *Sprint, Verizon*  
RIM BlackBerry 8703e / *Sprint, Verizon*

RIM BlackBerry 8830 / *Sprint, 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.

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

- New modem support added, listed above in blue.
- Updated WiMAX 4G modem firmware to:5.2.2061050032 (due to GUI limitations, displayed as 5.2.216 in web pages)

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

- Remote HTTP admin port changed from 80 to 8080.
- Wimax Realm list on the Modem Settings page updated to reflect latest available. Realm list now appears even if no 4G modem is connected, making it easier to pre-configure.
- No longer use 2<sup>nd</sup> IP address for DNS server when using DNS relay. Previously the router would use 192.168.0.1 and 192.168.0.2 (by default) as the DNS relay addresses. Now it only uses 192.168.0.1. Using the 192.168.0.2 address was causing problems for some customers.

### ***Defects fixed:***

- Minor tweaks to Aggressive Mode Reset algorithm.
- Found and fixed several reboot bugs.

## ***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 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.

### **GPS**

- These modems indicate the capability to provide GPS coordinates. Actual results are dependent upon carrier support, location, and the environment in which GPS is being attempted. Results may vary.