



Release Notes for CradlePoint rev 2.3 Firmware

Products supported/tested:

CradlePoint Travel Router (CTR350)

Personal Hotspot (PHS300)

Phone modems/handsets tested (devices added since 2.2 in blue):

USB Modems

[EMOBILE D11LC/EMOBILE](#)

[EMOBILE D12LC/EMOBILE](#)

Franklin CDU-550/Sprint

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

Huawei E220/AT&T

[Huawei EC228/Alltel](#)

Novatel MC950D/AT&T and Rogers

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

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

[Novatel U760/Sprint and Verizon \(GPS – Sprint only\)](#)

[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 \(GPS\)](#)

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](#)

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

[Huawei E870/AT&T](#)

Kyocera KPC680/Sprint and Verizon

Novatel EX720/Sprint (GPS)

Novatel V740/Verizon

Novatel X950D/Rogers

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 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 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:

- Upgrading to this firmware release will 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 afterwards. The 2.2 firmware version had a feature to automatically save and restore settings, but in post-release testing a defect was found in the implementation so it has been disabled in this release.
- 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:

- OpenDNS support on Sprint network under Advanced -> Web Filter. Some carrier's DNS servers intercept requests to other DNS services. This change provides a workaround to allow the use of the router's Advanced -> Web Filter -> OpenDNS content filtering functionality or your personal OpenDNS account settings.
- Bounce page billboard. We added the ability to customize the “authorize_client.html” page, which is the page someone first sees when trying to access the Internet using the router. The default code used for our page is available as an example. CradlePoint Support will not provide help writing HTML, if you aren't comfortable with HTML this isn't the feature for you. Under Tools -> User Login -> Customize Billboard are two buttons and a checkbox.
 - Enable Custom Billboard - Enable the feature
 - Load Default - Loads the default HTML code
 - Preview - Shows the effect of any changes
- GPS data is now available via the network GPS port in both NMEA and Keyhole Markup Language (KML) format. Once enabled via the Modem->GPS page GPS data will be available on TCP port 8889. As before, a socket connection to this port will result in streaming NMEA

data. Additionally any HTTP requests to this port will return a KML formatted document. Multiple connections to the GPS port will now be accepted.

- In router modem activation and PRL update now available on the Modem -> Update page. This feature can update the Sierra Wireless Compass 597/598 (Sprint), and all supported Sierra Wireless and Novatel devices on Verizon.

Additional UI/usability changes:

- New CradlePoint logos added to UI.
- Japanese localization provided. Ability to use WiFi channels 1-14 on a router configured with the correct region code.
- Modem tab added between Advanced and Tools tabs. This contains the Modem Info, GPS, Modem Settings, and Modem Update menus.
- Modem Update menu added. If you have a Sprint modem with OTA-DM (Over the Air Download Management) enabled, this menu will allow you to Activate your modem and update your PRL. If your modem does not support these functions, the menu functions will not be displayed. Note that once this activity is finished you will need to unplug and replug the modem for the changes to take effect.
- Menus alphabetized within the tabs. With the exception of Basic -> Wizard and Status -> Device Info menus, the other menus were alphabetized to make them easier to find.
- Added automatic time setting to Step 1 of the Basic -> Wizard. If the user's PC will provide the time, the router will use it. Note that this time is not actually set into the router until the user finishes the Wizard and presses "Save". So by definition the time in the router will be incorrect, but reasonably close. If the accuracy of the router's time is important to you, please enable NTP in the Tools -> Time menu.
- Advanced -> Schedule menu moved to Tools -> Schedule.

Minor changes:

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Defects fixed:

- Fixed BlackBerry password issue
- Fixed SIM PIN issue with Huawei modems
- Identified and fixed source of unnecessary DNS Poisoning messages

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.
- The AT&T USBConnect 885U Mercury has a known issue where doing a soft reset of the router while it is in a data call will make it unresponsive. It will need to be physically replugged to recover. Disconnecting it via the Status page button before doing the soft reset should avoid this issue.
- 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.