



## Release Notes for Cradlepoint rev 2.1 Firmware

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

Cradlepoint Travel Router (CTR350)

Personal Hotspot (PHS300)

### ***Phone modems/handsets tested (devices added since 2.0 in blue):***

#### **USB Modems**

Franklin CDU-550/Sprint

Franklin CDU-680/Sprint

Novatel U720/Sprint and Verizon

Novatel U727/Sprint [and Verizon \(GPS – Sprint only\)](#)

Pantech UM150/Verizon [and Alltel](#)

[Sierra Wireless Compass C597/Sprint](#)

Sierra Wireless 595U USB/Sprint and Verizon ([GPS – Sprint only](#))

[Sierra Wireless 875U USB/AT&T](#)

Sierra Wireless 881U USB/AT&T

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

[Kyocera KPC680/Sprint and Verizon](#)

[Novatel V740/Verizon](#)

Option GT Max 3.6 Express/AT&T\*

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

[Sierra Wireless 597E/Sprint](#)

#### **Handsets**

[HTC Touch/Sprint](#)

[HTC Mogul PPC-6800/Sprint \(see usage note under RNDIS below\)](#)

[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

Palm 700p/Verizon

Palm 755p/Sprint

[Palm Centro/Sprint](#) \*

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

RIM BlackBerry 8703e/Sprint and Verizon

RIM BlackBerry 8830/Sprint [and Verizon](#)

[RIM BlackBerry Pearl 8130/Sprint and Verizon](#)

Samsung [A900/A900M/A920/Sprint](#)

Samsung SGH-A707/AT&T

Samsung Blackjack/AT&T

Samsung i830/Sprint

Sanyo M1/Sprint

[Sanyo SCP-6600 \(Katana\)/Sprint](#)

Sanyo Katana 2/Sprint

[Sanyo SCP-8400/Sprint](#)

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

- GPS support for the Sierra Wireless 595U and Novatel U727 only. New web page added under Tools -> GPS. Three map providers allowed (Google maps, Yahoo Maps, MapQuest) with automatic updates. Can set the update method (Automatic/Manual) and update interval (among several choices). GPS coordinates can also be queried from network port 8889 at a 1-second interval. Any Virtual Serial Port program should support it. We use "HW Virtual Serial Port" ([www.hw-group.com](http://www.hw-group.com)).
- RNDIS (Remote ND IS) support added. This allows connections to non-PPP phones like the HTC Mogul. When using these phones, the phone acts like a network connection, not a PPP connection. The phone connection will not show up under Status -> Modem Info page or the Advanced -> Failover page, instead it will show up as a WAN connection under Status -> Device Info.

- Note: Connect the cable and verify that it is charging the Windows Mobile device using the included Power Management Application. This is because RNDIS may drain a charged battery within an hour.
- Mogul (PPC-6800) specific notes:
  - By default, both the Mogul and router come up with an IP address of 192.168.0.1. You will need to change one or the other to a different subnet (such as 192.168.10.1). This change is easy to make at the router under the Basic -> LAN settings. To ready the Mogul do not plug it into the router yet. On the Mogul's UI, go to Start -> Programs -> Internet Sharing. Select Connect and the Mogul will request you plug in the USB cable. Then plug it into the router. After a short wait, the Mogul should change to "Connected" and the USB light on the router should turn on.
  - For the Mogul, current firmware 2.17.651, 2.09.651.3, and 3.35.651.2 are the only supported versions. Beta/Prereleased/Modified firmware is untested and unsupported. Older Mogul firmware has an issue when disconnecting it from the router, the handset will stay "Connected" on its status page until the handset has been rebooted. This is fixed in the 3.35.651.2 firmware.
- One-Button Firmware Update. When a firmware update is available, this allows the user to upload the firmware to the router without having to save the firmware on his/her PC first and then reload it onto the router.
- Improved GSM support. The Status -> Modem Info page now shows the available profiles as provided by the phone/modem. If the user has a preference on the profile that is used to connect (or if the phone/modem does not connect automatically), the user can force a specific profile to be used with the Advanced -> Modem Settings -> AT Dial Script box. To pick profile 1, use ATDT\*99\*\*\*1#, profile 2 is ATDT\*99\*\*\*2#, etc.

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

- Reset button has been returned to its previous functionality, based on customer feedback from the last change. It does not perform a reboot function any more, it just factory resets back to the unit's default configuration. If the reset button is held while the power is applied, it will factory reset the unit. Also, if the reset button is held for 10 seconds while the router is running it will factory reset the unit. A factory reset condition is indicated by two quick blinks of the WLAN and USB LEDs.
- (CTR350 only) Rate Estimation is enabled if the Ethernet port is set to WAN (non default). This is part of QoS functionality. While this estimation is being performed (approximately 3 seconds after a reboot or after a WAN cable is attached), the router will not serve web pages and will provide a wait message instead.
- Tools -> Firmware -> Firmware Information. Previously, the "Check Online" button would only show a new version if the Major and Minor (X.X) version numbers had changed. Now the "Check Online" will show a new version if the Major, Minor, or Patch (X.X.X) version numbers have changed.
- The router will not send a BlackBerry password if only one retry is left. This prevents accidentally locking the BlackBerry if the password was entered incorrectly in the router UI.
- Added (Tools -> Admin -> Administration -> Enable Bounce Pages) setting to allow users to disable bounce pages.

### ***Minor changes:***

- Qualcomm QXDM support added.
- QoS changes for RNDIS devices

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

- Basic -> Wireless page. If wireless security was set to WPA-Personal, WPA Mode “WPA2 Only” and Cipher Type “TKIP”, the unit would continuously reboot.
- Tools -> Time. Fixed to show correct time when Daylight Saving Time and NTP were selected (it was off by one hour). Time shown on the Status -> Device Info page and in the Logs were correct.

### ***Known issues:***

- 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.
- GPS data does not work with Google Earth Plus.

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