



Release Notes for Cradlepoint Rev 6.5.2 Firmware

Products supported/tested:

AER3100/AER3150

AER2200

AER2100

AER1600/AER1650

AP22

IBR1700

IBR1100

IBR900/IBR950

Note: Before upgrading to new firmware, it is always a good idea to save the configuration file from your current version. This firmware version will remove a configuration for version 3.2 or lower and will not try to keep your settings.

- *New features added in this release (Not all features are in all products – see their respective Data Sheets):*

- No new features, defect fixes only

- *Additional UI/Usability changes:*

- No UI changes

- *Defects fixed:*

- IBR900 allows unfiltered ethernet packets across its LAN/WAN ports for a few seconds while booting up

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- IBR1700. Quick Wifi Setup Wizard would not set the correct antennas for 2.4GHz operation across a reboot
- Fixed issue where sending GPS data to an incorrect destination could lead to failure.
- IBR900. A GPIO connected to the external dock connector used for a modem connected signal was fixed
- AP22. Factory reset button worked on power-on but would not work while the AP was running
- AER1600. Factory reset button would not wait for 10 seconds
- Email alerts to Office 365 and Yahoo mail are undeliverable
- Full NTP would not start SDK/NCP/AOOBM applications on boot.
- SDK was not cleaning up temporary files after installation.
- Analytics data was capturing internal traffic.
- Analytics data was only keyed on IP address allowing analytics data from one client to be attached to a different one.
- Duplicating client usage data from previous day in reports to NCM.
- CIDR notation for specifying IP address ranges in Web Access Filtering was not working
- Interrupted SSH session can lead to a delayed router crash
- AER2200. Added help text for the "Authorized MAC Addresses" section of the "Hotspot Services" Networking page.
- *Security issues:*
 - None
- *Modems tested: (new 6.4.3 modems / modem platforms are in blue text)*

Cradlepoint Cellular Devices (Embedded & USB Modems)

Cradlepoint AER16x0LPE-AT / AT&T (USA)

Cradlepoint AER16x0LPE-GN / T-Mobile, US Cellular (USA); Generic (North America)

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Cradlepoint AER16x0LPE-SP / *Sprint (USA)*

Cradlepoint AER16x0LPE-VZ / *Verizon (USA)*

Cradlepoint AER16x0LP4 / *AT&T, T-Mobile, Verizon (USA)*

Cradlepoint AER22x0-600M / *AT&T (USA, Canada); T-Mobile, Verizon (USA); Generic (Europe, Australia, NZ)*

[Cradlepoint IBR2x0-10M-VZ / *Verizon \(USA\)*](#)

[Cradlepoint IBR2x0-10M-B-AT / *AT&T \(USA\)*](#)

Cradlepoint IBR350L / *Verizon (USA)*

Cradlepoint IBR350LPE-AT / *AT&T (USA)*

Cradlepoint IBR350LPE-GN / *T-Mobile (USA); Generic (North America)*

Cradlepoint IBR350LPE-SP/ *Sprint (USA)*

Cradlepoint IBR350LPE-VZ / *Verizon (USA)*

Cradlepoint IBR350P2 / *AT&T (USA); Generic GSM-compatible locations (World)*

Cradlepoint IBR6x0B-LP4 / *AT&T, T-Mobile, Verizon (USA)*

Cradlepoint IBR6x0C-LPE-AT / *AT&T (USA)*

Cradlepoint IBR6x0C-LPE-GN / *T-Mobile (USA); Generic (North America)*

Cradlepoint IBR6x0C-LPE-SP/ *Sprint (USA)*

Cradlepoint IBR6x0C-LPE-VZ / *Verizon (USA)*

[Cradlepoint IBR6x0C-150M-B-EU / *Generic operators \(Europe\)*](#)

[Cradlepoint IBR6x0C-150M-C-AU / *Generic operators \(Australia\)*](#)

Cradlepoint IBR6x0LPE-AT / *AT&T (USA)*

Cradlepoint IBR6x0LPE-GN / *T-Mobile, US Cellular (USA); Bell Mobility, Rogers, Telus (Canada); Generic (North America)*

Cradlepoint IBR6x0LPE-SP/ *Sprint (USA)*

Cradlepoint IBR6x0LPE-VZ / *Verizon (USA)*

Cradlepoint IBR6x0LP3-EU / *Generic (Europe)*

Cradlepoint IBR900LPE-VZ / *Verizon (USA)*

Note: Also certified on AT&T (USA), Sprint (USA), and Generic (North America)

Cradlepoint IBR9x0LP5 / *Generic (APAC)*

Cradlepoint IBR9x0LP6 / *AT&T, Sprint, T-Mobile, Verizon (USA); Generic (North America, Europe)*

Cradlepoint IBR9x0-600M / *AT&T (USA, Canada); T-Mobile, Verizon (USA); Generic (Europe, Australia, NZ)*

Cradlepoint IBR11x0LPE-AT / *AT&T (USA)*

Cradlepoint IBR11x0LPE-GN / *C-Spire, T-Mobile, US Cellular (USA); Bell Mobility, Rogers, Telus (Canada); Generic (North America)*

Cradlepoint IBR11x0LPE-SP / *Sprint (USA)*

Cradlepoint IBR11x0LPE-VZ / *Verizon (USA)*



Cradlepoint IBR11x0LP3-EU / *Generic (Europe), Telstra (Australia)*
Cradlepoint IBR11x0LP6 / *AT&T, Sprint, T-Mobile, Verizon (USA); Generic (North America, Europe)*
Cradlepoint IBR17x0-600M / *AT&T (USA, Canada); T-Mobile, Verizon (USA); Generic (Europe, Australia, NZ)*
Cradlepoint MC400L2 / *Public Safety Band 14 only (USA)*
Cradlepoint MC400LPE-AT / *AT&T (USA)*
Cradlepoint MC400LPE-GN / *T-Mobile, US Cellular (USA); Bell Mobility, Rogers, Telus (Canada); Generic (North America)*
Cradlepoint MC400LPE-SP / *Sprint (USA)*
Cradlepoint MC400LPE-VZ / *Verizon (USA)*
Cradlepoint MC400LP3-EU / *Generic (Europe)*
Cradlepoint MC400LP4 / *AT&T, T-Mobile, Verizon (USA)*
Cradlepoint MC400LP5 / *Generic (APAC)*
Cradlepoint MC400LP6 / *AT&T, Sprint, T-Mobile, Verizon (USA); Vodafone (Worldwide), Generic (North America, Europe)*

3rd Party USB Cellular Modems

Franklin U770 ("Sprint Plug-In-Connect Tri-Mode USB Modem") / *Sprint (USA)*
Franklin U772 ("Franklin U772 USB Modem") / *Sprint (USA)*
Huawei E3276 / *Telus (Canada)*
Huawei E368 ("AT&T USBConnect Force 4G") / *AT&T (USA)*
Netgear AC340U ("AT&T Beam") / *AT&T (USA)*
Netgear AC341U ("NETGEAR® 341U USB Modem") / *Sprint (USA)*
**supports Netgear firmware 4.07.01.11 and MR2 firmware 45.04.20.00*
Novatel 551L LTE ("Verizon USB551L") / *Verizon (USA)*
Novatel U620L ("Verizon MiFi® 4G LTE Global USB Modem U620L") / *Verizon (USA)*
Novatel U679 ("4G LTE Novatel Wireless U679 Turbo Stick") / *Bell Mobility (Canada)*
Novatel USB730L ("Verizon Global Modem USB730L") / *Verizon (USA)*
Pantech UML295VW ("Verizon 4G LTE USB Modem UML2954G LTE") / *Verizon (USA)*
**requires Pantech firmware version L0295VWD821F.B4 or later*
Portsmouth PSA1U1M ("Portsmouth USB Client to Analog Modem Adapter") / *POTS phone providers*
Sierra Wireless 308 USB ("AT&T USBConnect Shockwave") / *AT&T (USA)*

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Sierra Wireless 313U ("AT&T USBConnect Momentum 4G") / *AT&T (USA)*

Sierra Wireless 320U ("Telstra USB 4G (Sierra AirCard 320U)") / *Telstra (Australia)*

Sierra Wireless 330U ("4G LTE Sierra Wireless U330 - Turbo Stick") / *Bell Mobility (Canada)*

Sierra Wireless 330U ("LTE Rocket Stick – Sierra Wireless AirCard 330U") / *Rogers (Canada)*

ZTE MF683 ("T-Mobile Rocket 3.0 4G Laptop Stick") / *T-Mobile (USA)*

Analog Modems

Portsmith PSA1U1M ("Portsmith USB Client to Analog Modem Adapter") / *POTS phone providers*

Portsmith PS6EX1M ("Portsmith ExCard to Analog Modem Adapter")

/ *POTS phone providers* (ExpressCard format, compatible with MBR1400s, MBR1200B, & CBA750B only)

- **Known issues**

CP Secure Web Filter

- Previous versions of firmware had a defect that improperly allowed customers to enter more than 5 items per category in a custom category. Custom categories with more than 5 items need to be removed before upgrading to 6.5.0 firmware. Failure to do this will lead to unpredictable results. See Cradlepoint knowledge base for more detailed instructions.
- <http://knowledgebase.cradlepoint.com/articles/Support/Migration-Process-for-devices-upgrading-to-NCOS-6-5-or-newer-while-utilizing-Custom-CP-Secure-Web-Filter-Categories>

HotSpot

- Ethernet Threshold feature not functional

GPS

- IBR1700. Due to a 20-30ms delay in sampling, setting a configured reporting time to the minimum of one second will give samples at 1.02-1.03 seconds apart.

Zscaler

- DynDNS mode does not work. Workaround is to configure the the Zscaler DNS servers as the global static DNS servers

Carrier

LTE

- Unless you have a specific service from your carrier, LTE modems will not generally provide an externally-available IP address. Services, such as Remote Management, will not work.

Modem

- Franklin U770. The Modem's Ethernet address conflicts with the default address of the Guest LAN. A warning message is placed in the log and the Guest LAN is disabled. If you change the address of the Guest LAN to a non-conflicting address, this restriction will not occur.
- Sierra Wireless 313U, 330U. When these modems connect on 2G or 3G bands, specifically on GSM 850, they will sometimes cause interference on the USB bus, resulting in the modem not plugging properly. If this occurs, attaching the modem to a USB extension cable will generally fix the problem.
- The following USB modems contain an embedded web server through which many modem settings are configured. To access the modem's web pages, you must be logged in as the router administrator. Once logged in, you can then access the modem web pages at these given IP addresses:



Franklin U770, U772 / *Sprint (USA)*-> 192.168.10.1

Netgear AC341U * / *Sprint (USA)*-> 192.168.1.1(address is configurable)

Pantech UML295VW * / *Verizon (USA)*-> 192.168.32.2

- The modem web pages are available only when the modem is operating in NAT mode.