

Firmware 8.5.4 Beta 1 Release Notes

Release Date: Feb 10, 2026

Devices Supported

This firmware release supports the following devices:

Balance	20X / 30 LTE HW3 / 30 Pro / One / One Core / Two / 210 HW4-5 / 310 HW4 / 310 5G / 310 Fiber 5G / 310X / 305 HW2 / 380 HW6 / 380X / 580 HW2-3 / 580X / 710 HW3 / 1350 HW2 / 2500 / 1350 EC / 2500 EC / 5000 EC
MAX	700 HW3-4 / BR1 Mini HW3 / BR1 Mini Core HW3 / BR1 Mini 5G / BR1 Mini M2M / BR1 ENT / BR1 Pro HW7 / BR1 Pro 5G / BR2 Pro HW4 / BR2 / BR2 Micro / BR1 IP55 HW4 / HD1 Dome HW1 / HD1 Dome Pro / HD2 HW5-6 / HD2 Dome HW1 / Dome Pro LR / HD2 IP67 HW2-4 / HD2 MBX / HD2 Mini / HD2 with MediaFast / HD4 / HD4 IP67 / HD4 MBX / HD4 with MediaFast / MBX Mini / Transit / Transit Core / Transit Pro E / Transit Duo / Transit Duo Pro / Transit Duo Pro E
UBR	UBR Plus
B One	B One / B One Plus / B One 5G
MediaFast	200 / 500 / 750 / HD2 / HD4
SDX	SDX / SDX Pro
EPX	
PDX	
FusionHub	
SpeedFusion Engine	SFE CAM

Important Notices

- Firmware version 8.5.4 for Balance 310 HW5 is not included in this release. A separate firmware build will be released shortly to address the relevant fixes for this model.
- For FusionSIM and RemoteSIM users, it is suggested to upgrade the SIM Injector to [Firmware 1.2.5 \(Release Notes\)](#)
- Further major firmware updates will NOT support the following models. They will receive Firmware 8.5.x maintenance releases as needed.

Balance 30 LTE HW3 / 30 Pro HW1 / 210 HW4-5 / 310 HW4 / One HW1-3 /
One Core HW1

MAX 700 HW3-4 / BR1 ENT HW1-2 / HD1 Dome HW1 / HD2 HW5-6 /
HD2 Dome HW1 / HD2 IP67 HW2-5 / HD2 Mini HW1-4 / HD2 with
MediaFast HW1-4 / HD4 HW1-5 / HD4 IP67 HW1 / HD4 with
MediaFast HW1-4 / Transit HW1-3 / Transit 5G HW2-3 / Transit Core
HW1 / Transit Duo HW1-3 / Transit Duo Pro E HW1 / Transit Pro E
HW1

MediaFast 200 HW1,3

SpeedFusion SFE CAM HW1
Engine

- Firmware 8.5.2 or above: SpeedFusion VPN is not compatible with devices running Firmware 8.0.0 or below.
- AP Controller users with the Wi-Fi Operating Country set to Taiwan or Brazil must review their Wi-Fi channel configuration and reapply the settings
- **InControl** must be enabled on **PrimeCare** devices to update software features such as SpeedFusion (Bonding, Smoothing, Hot Failover).

Improvements

Reference	Description	Device Supported
35953	[Beta 1] [USB WAN] Added support for using an iPhone as a USB mobile modem	Balance: All MAX: BR1 ENT, BR2 Pro HW4, HD2/4 Indoor Series, HD2/4 MBX, MBX Mini B One: B One, B One 5G/Plus MediaFast: All SDX, SDX Pro
35950	[Beta 1] [Wi-Fi WAN] Improved Wi-Fi WAN roaming for DHCP connection method (Included in: 8.5.0s107, 8.5.0s104, 8.5.0s102, 8.5.0s098, 8.5.0s096)	Balance: 20X, 310 Fiber 5G MAX: All (Exclude: BR1 ENT, BR1 Mini 5G/Core, BR2 Micro, Transit Core, HD2 Mini, HD1/2 Dome/IP67) B One: B One, B One 5G/Plus UBR: Plus MediaFast: HD2/4 PDX, MBX
35968	[Beta 1] [Captive Portal] Updated Captive Portal SSL certificate	All Models (Except FusionHub)

Resolved Issues

Reference	Description	Device Supported
35920	[Beta 1] [Security Advisory] Fixed a vulnerability in the API that could allow remote code execution	All Models
35961	[Beta 1] [System] Fixed an issue that might affect system stability	All Models
35954	[Beta 1] [Cellular] Fixed an issue where automatic carrier selection was applied repeatedly when it was already in use (Fixed in: 8.5.3s134, 8.5.3s083, 8.5.3s082, 8.5.3s008, 8.5.2s145)	Balance: 20X, 30 LTE/Pro, 310 5G/Fiber 5G, 310X, 380X, 580X MAX: BR1/2, HD1/2/4, Transit, HD2/4 MBX, MBX Mini B One: B One 5G/Plus MediaFast: HD2/4

		UBR: Plus PDX, SDX, SDX Pro, EPX
35955	[Beta 1] [BR1 Mini 5G] Fixed an issue where BR1 Mini 5G could fail to obtain a Remote SIM after PoE was toggled (Fixed in: 8.5.3s051, 8.5.3s045, 8.5.3s030, 8.5.3s017, 8.5.3s006, 8.5.2s147, 8.5.2s119)	BR1 Mini 5G
35983	[Beta 1] [eSIM] Fixed an issue where BYO eSIM details were not displayed in Synergy mode (Fixed in: 8.5.3s043)	Balance: 20X HW3, 310X HW3, 310 5G, 380X, 580X MAX: BR1 Mini/Mini Core HW3/Mini M2M, BR1 Pro 5G, BR1 Pro HW7, BR2 Pro, Transit Duo Pro/Pro E, HD2/4 MBX HW4, HD1 Dome Pro, HD2 Dome Pro E/LR, MBX Mini B One: B One Plus/5G UBR: Plus EPX, SDX Pro, SDX
35977	[Beta 1] [Cellular] Fixed an issue where cellular module firmware upgrades could fail	Balance: 20X, 30 LTE/Pro, 310 5G/Fiber 5G, 310X, 380X, 580X MAX: BR1/2, HD1/2/4, Transit, HD2/4 MBX, MBX Mini B One: B One 5G/Plus MediaFast: HD2/4 UBR: Plus PDX, SDX, SDX Pro, EPX
35952	[Beta 1] [Cellular & 5GK] Fixed an issue where cellular service could stop unexpectedly on 5GK devices in 5G mode (Fixed in: 8.5.3s027)	Balance: 20X, 30 LTE/Pro, 310 5G/Fiber 5G, 310X, 380X, 580X MAX: BR1/2, HD1/2/4, Transit, HD2/4 MBX, MBX Mini B One: B One 5G/Plus MediaFast: HD2/4 UBR: Plus PDX, SDX, SDX Pro, EPX (Device with Cellular and product code contains 5GK)

35960	[Beta 1] [DNS Proxy] Fixed an issue where custom DNS servers did not work in the HA slave role	All Models (Except FusionHub)
35979	[Beta 1] [DPI] Fixed an issue where DNS traffic could be handled incorrectly when grouped networks were enabled	All Models
35969	[Beta 1] [DNS Proxy] Fixed an issue where DoH did not work with Quad9 DNS servers (Fixed in: 8.5.3s188)	All Models (Except FusionHub)
35949	[Beta 1] [GPS] Fixed an issue where GPS forwarding could fail due to certain GNS message formats (Fixed in: 8.5.3s074)	Balance: 20X, 310X MAX: BR1/2, HD1/2/4, Transit, HD2/4 MBX, MBX Mini, HD2/4 with MFA UBR: Plus PDX, SDX, SDX Pro, EPX
35477	[Beta 1] [Cellular] Fixed an issue where missing model and network mode information on 5GH device could prevent the cellular connection from being established (Fixed in: 8.5.3s134, 8.5.3s083, 8.5.3s082, 8.5.3s008, 8.5.2s145)	Balance: 20X, 30 LTE/Pro, 310 5G/Fiber 5G, 310X, 380X, 580X MAX: BR1/2, HD1/2/4, Transit, HD2/4 MBX, MBX Mini B One: B One 5G/Plus MediaFast: HD2/4 UBR: Plus PDX, SDX, SDX Pro, EPX
35946	[Beta 1] [System] Fixed an issue where multicast relay traffic used an incorrect source MAC address	All Models
35967	[Beta 1] [Outbound Policy] Fixed an issue where outbound policy did not fall back correctly when an IPsec VPN connection was unavailable (Fixed in: 8.5.3s119)	All Models (Except FusionHub)
36014	[Beta 1] [Switch Controller] Fixed an issue where peer device serial numbers were not reported to InControl via LLDP	Balance: All MAX: BR1 Pro 5G/HW7, BR2, BR2 Pro, 700, HD2/4, HD2 Mini,

		<p>Transit, HD2/4 MBX, MBX Mini</p> <p>MediaFast: All</p> <p>UBR: Plus</p> <p>B One: B One, B One 5G/Plus</p> <p>PDX, SDX, SDX Pro, EPX</p>
35985	<p>[Beta 1] [eSIM] Fixed an issue where Peplink eSIMs could be skipped during SIM failover when the device could not reach InControl (Fixed in: 8.5.3s034)</p>	<p>Balance: 20X HW3, 310X HW3, 310 5G, 380X, 580X</p> <p>MAX: BR1 Mini/Mini Core HW3/Mini M2M, BR1 Pro 5G, BR1 Pro HW7, BR2 Pro, Transit Duo Pro/Pro E, HD2/4 MBX HW4, HD1 Dome Pro, HD2 Dome Pro E/LR, MBX Mini</p> <p>B One: B One Plus/5G</p> <p>UBR: Plus</p> <p>EPX, SDX Pro, SDX</p>
35957	<p>[Beta 1] [System] Fixed an issue where power-off logs could show incorrect timestamps</p>	<p>All Models</p>
35197	<p>[Beta 1] [RemoteSIM] Fixed an issue where RemoteSIM traffic over Synergy could not be established (Fixed in: 8.5.2s147, 8.5.3s051, 8.5.3s045, 8.5.3s030, 8.5.3s017, 8.5.3s006, 8.5.2s119)</p>	<p>Balance: 20X, 310X, 380X, 580X, 310 5G/Fiber 5G</p> <p>MAX: BR1 Pro, Transit Core/Pro, HD2 Mini, HD1/2 Dome/Dome Pro, HD2/4 MBX</p> <p>UBR: Plus</p> <p>PDX</p>
35941	<p>[Beta 1] [AP Controller] Fixed an issue where Remove Offline Units did not work</p>	<p>Balance: All</p> <p>MAX: BR1 Pro 5G/HW7, BR2, BR2 Pro, 700, HD2/4, HD2 Mini, Transit, HD2/4 MBX, MBX Mini</p> <p>MediaFast: All</p> <p>UBR: Plus</p> <p>B One: B One, B One 5G/Plus</p> <p>PDX, SDX, SDX Pro, EPX</p>

<p>35978</p>	<p>[Beta 1] [Cellular & 5GK] Fixed an issue where SINR on 5GK cellular devices could be shown incorrectly when no data traffic was present</p>	<p>Balance: 20X, 30 LTE/Pro, 310 5G/Fiber 5G, 310X, 380X, 580X MAX: BR1/2, HD1/2/4, Transit, HD2/4 MBX, MBX Mini B One: B One 5G/Plus MediaFast: HD2/4 UBR: Plus PDX, SDX, SDX Pro, EPX (Device with Cellular and product code contains 5GK)</p>
<p>35938</p>	<p>[Beta 1] [Synergy Mode] Fixed an issue where Synergy connections could fail after the device certificate was updated by InControl (Fixed in: 8.5.3s139, 8.5.3s127, 8.5.2s155)</p>	<p>Synergized Device: Balance, MAX, MediaFast, UBR: All PDX</p> <p>Synergy Controller: Balance: 20X, 30 LTE/Pro, One/Two, 210/310 HW4 or above, 310 5G/Fiber 5G, 310X, 380X, 580X MAX: BR1 Mini HW3, BR1 ENT, BR1 Pro 5G, BR1 Pro HW7, BR2 Pro HW4, Transit, 700 HW3 or above, HD1 Dome/Dome Pro, HD2 Dome, HD2 HW5 or above, HD2 Mini, HD4 B One: B One, B One 5G/Plus MediaFast: All UBR: Plus SDX, SDX Pro, PDX, EPX</p>

<p>35943</p>	<p>[Beta 1] [Captive Portal] Fixed an issue where the Captive Portal did not appear (Fixed in: 8.5.2s141)</p>	<p>All Models (Except FusionHub)</p>
<p>35980</p>	<p>[Beta 1] [Web UI] Fixed an issue where the Web UI could become unresponsive when changing WAN bandwidth settings (Fixed in: 8.5.2s139)</p>	<p>All Models</p>
<p>35982</p>	<p>[Beta 1] [USB WAN] Fixed an issue where USB WAN configuration changes were not preserved after a reboot</p>	<p>Balance: All MAX: BR1 ENT, BR2 Pro HW4, HD2/4 Indoor Series, HD2/4 MBX, MBX Mini B One: B One, B One 5G/Plus MediaFast: All SDX, SDX Pro</p>
<p>35962</p>	<p>[Beta 1] [RemoteSIM] Fixed an issue where WAN Restriction mode could take a long time to refresh rules when Remote SIM servers used hostnames (Fixed in: 8.5.3s160, 8.4.1s147, 8.4.1s045, 8.4.1s040)</p>	<p>Balance: 20X, 310X, 380X, 580X, 310 5G/Fiber 5G MAX: BR1 Pro, Transit Core/Pro, HD2 Mini, HD1/2 Dome/Dome Pro, HD2/4 MBX UBR: Plus PDX</p>
<p>35936</p>	<p>[Beta 1] [Wi-Fi AP] Fixed an issue where Wi-Fi clients could not connect to an SSID when IPv6 and per-port VLAN were enabled (Fixed in: 8.5.3s097)</p>	<p>Balance: 20X, 30 Pro, One, 310 Fiber 5G MAX: All (Exclude: BR1 ENT, BR1 Mini 5G/Core, BR2 Micro, Transit Core, HD2 Mini, HD1/2 Dome/IP67) B One: B One, B One 5G/Plus UBR: Plus MediaFast: 200, HD2/4</p>

		PDX
35944	<p>[Beta 1] [Wi-Fi WAN] Fixed an issue where Wi-Fi WAN could fail to reconnect to WPA3 access points after a disconnect (Fixed in: 8.5.3s114, 8.5.3s087)</p>	<p>Balance: 20X, 310 Fiber 5G MAX: All (Exclude: BR1 ENT, BR1 Mini 5G/Core, BR2 Micro, Transit Core, HD2 Mini, HD1/2 Dome/IP67) B One: B One, B One 5G/Plus UBR: Plus MediaFast: HD2/4 PDX, MBX</p>
34263	<p>[Beta 1] [Switch Controller] Fixed support for reporting managed switch online status and forwarding switch reports to InControl (Fixed in: 8.5.3s052)</p>	<p>Balance: All MAX: BR1 Pro 5G/HW7, BR2, BR2 Pro, 700, HD2/4, HD2 Mini, Transit, HD2/4 MBX, MBX Mini MediaFast: All UBR: Plus B One: B One, B One 5G/Plus PDX, SDX, SDX Pro, EPX</p>

Known Issues

Reference	Description	Device Supported
36046	[InControl] Remote Web Admin is not working when accessed from InControl on firmware 8.5.4 Beta 1	All Models
34889	[Switch Controller] Configured "External Access" to VLAN may cause the SD Switch device to go offline after syncing with the Switch Controller	Balance: All MAX: BR1 Pro 5G/HW7, BR2, BR2 Pro, 700, HD2/4, HD2 Mini, Transit, HD2/4 MBX, MBX Mini MediaFast: All UBR: Plus B One: B One, B One 5G/Plus PDX, SDX, SDX Pro, EPX
32620	[System] LAN clients in ports 1 or 2 may fail to obtain an IP with Multiple IP passthrough WAN support	All Models
30858	[Docker] Docker container cannot be run on a device that doesn't have an active DHCP server running	Balance: 310 5G/Fiber 5G, 310X, 380X, 580X, 710, 1350, 2500, 2500 EC MAX: BR2 Pro, Transit Pro E/Duo Pro/Duo Pro E, MBX Mini, HD2/4 MBX MediaFast: 500, 750 PDX, SDX, SDX Pro, EPX (with EXM-LCDT)
29679	[System] YouTube blocking may not work if YouTube traffic is using QUIC	All Models
33920	[Switch Controller] Changing the port PVID may not apply properly	Balance: All MAX: BR1 Pro 5G/HW7, BR2, BR2 Pro, 700, HD2/4, HD2 Mini, Transit, HD2/4 MBX, MBX Mini MediaFast: All UBR: Plus B One: B One, B One 5G/Plus PDX, SDX, SDX Pro, EPX

Report an Issue

To report an issue, please open a support ticket at:

<https://ticket.peplink.com/>

For the latest development news and known issues, take a look at our forums:

<https://forum.peplink.com/>