

Firmware 8.0.0 RC1 Release Notes

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1. Devices Supported

This firmware release supports the following devices:

EPX	EPX
Balance:	20 / 30 / 30 LTE / 30 Pro / 50 / One / 210 / 310 / 305 HW2 / 380 HW6 / 580 HW2-3 / 710 HW3 / 1350 HW2 / 2500
MAX:	BR1 MK2 / BR1 HW2 / BR1 Slim / BR1 Mini / BR1 M2M / BR1 ENT / BR1 IP67 / BR2 / HD2 / HD2 IP67 / HD2 Mini / HD2 Dome / HD4 / HD4 IP67 / Transit / Transit Duo / Hotspot / On-The-Go HW2 / 700
Surf:	SOHO HW2 / SOHO MK3
MediaFast:	200 / 500 / 750 / HD2 / HD4
SpeedFusion Engine	SFE
FusionHub	FusionHub

2. Important Notice

- PeVPN is not compatible between peers running 8.0 Beta 1 and 8.0 Beta 2
- **PepVPN backward compatibility option is no longer available.** By deprecating the old firmware versions, we now have a more secure handshake channel as the default setting, only TLS 1.2 will be accepted, no more TLS 1.0 and 1.1 for the old devices. Thus, if you are using devices running Firmware 6.1 or older, you will no longer be able to form PepVPN tunnels with those devices unless the firmware is updated.
- Internet Explorer 11 is no longer supported by Web Admin.

3. Obtaining the Firmware

The Firmware can be obtained here: <https://www.peplink.com/open-beta-program/>

4. New Features

Reference	Feature	Devices Supported
3968	[PepVPN WAN Smoothing] Added support for Forward Error Correction in PeVPN.	All models with WAN Smoothing support
11813	[Outbound Policy] Added new option for the rule when its requirement is no longer satisfied - fall through to next rule. - use any available connections instead of only the chosen connection. - drop the session	All models
17165	[PepVPN] Added support for simultaneous L2 and L3 PepVPN connections between the same pair of devices.	
19059	[Remote User Access] Added support for Active Directory in remote user access.	Balance: 210 or above MAX: 700, HD2, HD4 Series MediaFast: All EPX
18222	[Remote User Access] Added support for Remote User Access via OpenVPN.	
14523	[WAN Analysis] Added a new tool to test the throughput and consistency of each WAN connection by pushing traffic. Can test for both uplink and downlink.	All models

16864	[PepVPN] PepVPN tunnels can now be established using TCP in addition to UDP.	
15024	[Grouped Network] You can now designate groups of IP addresses, which can then be used to define firewall rules.	
16153	[Grouped Network] You can now designate groups of IP addresses, which can then be used to define outbound policy rules.	
19836	[Web UI] Dashboard Page for EPX has been significantly updated	EPX
18118	[VRF] Support of Virtual Routing and Forwarding	FusionHub

5. Feature Improvements

Reference	Feature	Devices Supported
18519	[Client List] Device will be shown online after it has been detected during mDNS lookup.	All models
19241	[Outbound Policy] Outbound Policy for PepVPN sub-tunnels can now work with "Send all traffic to"	
18635	[PepVPN Status Page] The PepVPN Status Page is now clearer and more informative.	
19302	[PepVPN] Active Sessions show PepVPN and PepVPN sub-tunnel profile details	
19454	[PPPoE] PPPoE supports custom keep-alive interval and retries	
19471	[Remote Access] PCI compliance mode for L2TP remote user access	
18856	[Web UI] Support of X-Frame-Options / X-XSS-Protection in response headers	
18681	[Web UI] Dashboard can now indicate the device has not been added to InControl 2	
19425	[Web UI] The order of the LAN VLAN List can now be sorted and rearranged.	
19299	[WINS Server] Added support for WINS Server on BR1 ENT	
18955	[Virtual Network Mapping] Added ability to select "Additional LAN Subnet" as the Local Network	

19447	[AP Controller] AP Management supports sorting by Profile Name	Balance: ALL MAX: 700, HD2, HD2 Mini, HD2 IP67, Transit, HD4 MediaFast: All EPX
18533	[AP Controller/Wi-Fi AP] Wi-Fi AP transmit power can now be set to a custom value.	Balance: ALL MAX: 700, HD2, HD2 Mini, HD2 IP67, Transit, HD4 MediaFast: All EPX
19352	[SpeedFusion] When using the Overflow traffic distribution mode with WAN Smoothing enabled, WAN Smoothing can now be performed on the same link	Balance: 210, 310, 305, 380, 580, 710, 1350, 2500 MAX: 700, Transit Duo, HD2/4 Series SFE, EPX
18852	[Web UI] The map on the dashboard is now displayed and updated in real-time using OpenStreetMap	Balance: 30 LTE / 30 Pro MAX: All models except the 700 and OTG MediaFast: HD2, HD4 SFE, EPX
8938	[Cellular] Added support for remote device configuration by SMS command.	
20314	[Cellular] Added ability for the device to switch SIM Slots when the signal strength reaches a predefined threshold.	
18897	[Wi-Fi AP] Add Saudi Arabia and South Africa in the list of operating countries	Balance: One MAX: 700, OTG, BR1, BR1 Mini, BR1 IP67, BR2, HD2, HD4, Hotspot, Transit MediaFast: HD2, HD4 Surf: Soho
20131	[DNS Server] The DNS Zone Transfer function can import records from the WAN, even if they are not enabled for the Authoritative DNS Server.	Balance: 210 or above MediaFast: 200, 500, 750 EPX
19840	[AP Controller] Devices can be configured to stop broadcasting SSIDs when there is no uplink Internet connectivity.	Balance: ALL MAX: 700, HD2, HD2 Mini, HD2 IP67, Transit, HD4 MediaFast: All EPX

6. Resolved Issues

Reference	Issue	Devices Affected
19207	[DHCP] The DHCP Server does not reply in some cases	All models
19704	[Failover] UDP traffic does not failover immediately after WAN Health Check fail	
19282	[IPsec] DH group 19/20/21 does not work	

19306	[LAN] Using the built-in WINS Server may cause system instability	
19525	[NAT] LAN NAT does not work across different VLAN	
19481	[NAT] Remote User traffic incorrectly performed NAT to LAN IP address translation if the destination matched Inbound Port Forwarding service	
19906	[NMAP] Client PCs using NMAP will cause system instability	
19235	[OSPF] Setting a custom interface cost may cause issues	
19557	[OSPF/BGP] OSPF/BGP router ID cannot be set if "Additional Subnet" in "Untagged LAN" is defined	
19374	[Outbound Policy] After tunnel failback, the VPN sub-tunnel reply traffic may not be routed on proper sub-tunnel.	
19390	[PepVPN] Event Log shows unsupported version incorrectly	
19574	[PepVPN] If particular PepVPN sub-tunnel is unable to connect, then subsequent Sub-tunnel will also not connect.	
19600	[PepVPN] PepVPN sub-tunnel does not work with NAT mode	
19208	[PepVPN] When performing a Ping and Traceroute on a PepVPN connection, remote peer information does not appear	
19839	[PepVPN] NAT mode device cannot obtain IP from DHCP server when LAN Additional subnet was defined	All models
19328	[Remote Access] Remote User Access using Radius Authentication on the Untagged LAN does not work if upgrading from 7.0.3 or below	
19163	[Remote Access] Web Admin Security > LAN Connection Access Settings do not apply to Remote User Access	
19506	[SNMP] SNMP trap doesn't work if SNMPv1/v2/v3 is not enabled	
19582	[SNMP] Unable to obtain the device temperature, FAN status	
19154	[Virtual Network] The maximum length of the Virtual network set to 18 characters instead of 15 (ie: aaa.bbb.ccc.ddd/ee).	
19435	[System] System could become unstable when SSID is added to a VLAN	
19754	[Web UI] The Web Admin shows incorrect BSSID	
20125	[PepVPN] When PepVPN profiles use a WAN with multiple IP addresses, any unrelated configuration change on the Web Admin may cause the PepVPN profiles to initiate extra handshake or even	

	reconnect.	
20130	[LAN] After updating LAN settings, clients connected via PPTP, L2TP with IPsec, and PepVPN NAT Mode peers will not be able to communicate with other devices in the same subnet.	
18761	[System] If there are a lot of clients connected, Client List may cause unexpectedly high CPU load.	
20048	[InControl] The device does not report GPS data obtained while offline from InControl.	All models
18761	[Client List] Improved performance of Client List handling	
20125	[PepVPN] Pressing the "Apply Changes" button may trigger a SpeedFusion reconnect.	
19168	[Cellular] In rare occasions, the UI will show the wrong carrier.	Balance: 30 LTE / 30 Pro MAX: All models except the 700 and OTG MediaFast: HD2, HD4 SFE, EPX
17270	[Cellular] Failover to the roaming SIM card does not work	
19216	[Cellular] When the router is not located in the home country, it cannot fallback to the non-roaming SIM	
19672	[AP Controller] AP->Events Log shows Unknown SSID for WPA/WPA2 Enterprise SSIDs	Balance: ALL MAX: 700, HD2, HD2 Mini, HD2 IP67, Transit, HD4 MediaFast: All EPX
19015	[AP Controller] Client lists cannot show the name of external AP clients if the AP is running in router mode	
19483	[AP Controller] RADIUS MAC Authentication does not work in Open/WPA-PSK modes	
19479	[SpeedFusion] SpeedFusion Overflow doesn't work on FusionHub	FusionHub
19521	[MediaFast] Unable to load user-defined root certification after reboot	MediaFast: All
20139	[Inbound Access / NAT Mappings] Port Forwarding does not work with UDP port 53 if the WAN has the Authoritative DNS Server enabled.	Balance: 210 or above MediaFast: 200, 500, 750 EPX
20061	[High Availability] The Slave unit will show the correct "last transition" time	Balance: 210 or above MAX: All BR1 except M2M and Slim, 700, HD2, HD4, Transit MediaFast: All EPX

7. Report a Bug

To report a bug, please open a support ticket at
<https://contact.peplink.com/secure/create-support-ticket.html>.

For the latest development news and known issues, take a look at our forums:
<https://forum.peplink.com/>