

Firmware 6.2 RC Release Notes

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Contents

1. Devices Supported	1
2. Important Notices	1
3. Changes Since Beta 3	2
4. Obtaining the Firmware	3
5. New Features	3
6. Feature Improvements	4
7. Resolved Issues	5
8. Known Issues	6
9. Report a Bug	6

1. Devices Supported

This firmware release supports the following devices:

Peplink Balance	Pepwave MAX	Pepwave Surf
20 / 30 / 30 LTE / 50	On-The-Go	SOHO
One	BR1 / BR2	
210 / 310	700	
305 / 380 / 580 / 710 / 1350	HD2* / HD2 IP67 / HD2 mini	
2500	HD4	

*Apart from the HD2 mini, all HD2 variants are covered under "HD2" in the "Devices Supported" fields

2. Important Notices

- **SSLv3 POODLE Vulnerability (CVE-2014-3566) Addressed:** A vulnerability in the design of SSLv3 has been made public. Firmware 6.2 addresses this vulnerability.
- **Layer 2 PepVPN Profiles Need Reconfiguration:** Layer 2 PepVPN is now easier to use and more flexible. However, PepVPN profiles created using Firmware 6.1 or

below will need to be reconfigured in order to work in Firmware 6.2. Please follow the instructions from this link: <http://www.peplink.com/knowledgebase/setting-up-a-layer-2-pepvpn-profile-in-firmware-6-2/>

- **Adjustment Needed for AP One AC Mini:** In order for clients to connect to the AP One AC Mini using 802.11ac, you will need to make a slight adjustment. Please go to the Web UI and navigate to AP > Profiles > *your profile*. There, find the "5Ghz channel bonding" setting and change it to "auto".
- **PepVPN Not Backwards Compatible Betas 1 and 2:** To improve the functionality of PepVPN, we have made some changes that make Firmware 6.2 beta 3 and RC incompatible with 6.2 beta 1 and 6.2 beta 2. **Please rest assured that compatibility with GA Firmware 5.3 and above remains unchanged.**
- **PepVPN Will Appear Offline on Router Utility Version 1.3:** For devices running Firmware 6.2, Router Utility 1.3 will incorrectly show PepVPN connections as offline. This can be addressed by upgrading to Router Utility version 1.4.

3. Changes Since Beta 3

Reference no.	Change	Device Supported
8878	Routing: L2TP is now supported as WAN connection method.	All Balance / MAX / Surf models
11154	CLI: CLI SSH admin access can now also be restricted by source IP address.	All Balance / MAX / Surf models
11601	SIM Card: Cellular-enabled devices can now add, remove, and modify the PIN on SIM cards.	Balance 30 LTE/ All MAX models
11816	Firewall: Outbound firewall rules can now match by source MAC address.	All Balance / MAX Surf models
11928	Internal Service Forwarding: Intercept traffic from specified ports and forward it to a local server.	All Balance / MAX / Surf models

4. Obtaining the Firmware

Firmware 6.2 RC can be obtained here: <http://www.peplink.com/open-beta-program/>

5. New Features

Feature	Description	Device Supported
Multi-Site PepVPN Profile	<p>WebUI: With a single click, form PepVPN / SpeedFusion connections with up to thousands of remote sites using the same ID and preshared key. No further configuration necessary.</p> <p>Navigation: Network > Interfaces > SpeedFusion</p>	Balance: 305, 380+
PepVPN Layer 2 Peer Isolation	<p>PepVPN: Isolate different clients connected to the same L2 PepVPN broadcast domain. Each device will see only themselves and headquarters.</p> <p>Navigation: Network > LAN > (?) Enable VLAN > Click LAN > (?) Enable Layer-2 bridging based PepVPN</p>	All Balance / MAX / Surf models
Configurable Traffic Direction	<p>PepVPN: Assign any link in a PepVPN tunnel to be upload only, download only, or both ways.</p> <p>Navigation: Network > SpeedFusion > Click Profile > WAN Connection Priority > (?) Enable Asymmetric Connection</p>	All Balance / MAX / Surf models
Internal Service Forwarding	<p>Routing: Intercept traffic from specified ports and forward it to a local server.</p> <p>Navigation: Network > Service Forwarding > Custom Service Forwarding Setup</p>	All Balance / MAX / Surf models

6. Feature Improvements

Reference no.	Improvement	Device Supported
8570	Routing: PepVPN NAT Mode has improved OSPF support. The client side can now accept routes from the server side without advertising its own network(s).	All Balance / MAX / Surf models
8611	PepVPN: PepVPN profiles can now be configured to connect profiles on a first-come, first-served basis when the number of created profiles exceeds the number of peers supported.	All Balance / MAX / Surf models
8878	Routing: L2TP is now supported as WAN connection method.	All Balance / MAX / Surf models
10084	PepVPN: Layer 2 PepVPN is now compatible with VLAN on LAN . Options located under Network > LAN > IP Settings > Help Button.	All Balance / MAX / Surf models
10501	Web UI: For easier access, the PepVPN Test and Analyzer is now located under Status > PepVPN (or Status > SpeedFusion for devices supporting SpeedFusion).	All Balance / MAX / Surf models
11115	PepVPN: PepVPN is now more compatible with small MTU environments	All Balance / MAX / Surf models
11154	CLI: CLI SSH admin access can now also be restricted by source IP address.	All Balance / MAX / Surf models
11461	Web UI: Instead of automatically selecting a network, devices with embedded LTE modems now offer the choice of which network to connect with. This feature is available for international models with SKUs ending with "-E" (e.g. BPL-031-LTE-E, SUS-SOHO-LTE-E)	Balance: 30 LTE MAX: BR1*, HD2*, HD4 Surf: SOHO LTE <small>* Applicable to LTE supporting variants only.</small>
11495	PepVPN: PepVPN Test is now showing per WAN info for easier performance analysis	All Balance / MAX / Surf models
11601	SIM Card: Cellular-enabled devices can now add, remove, and modify the PIN on SIM cards.	Balance 30 LTE/ All MAX models
11602	PepVPN: Bandwidth limits on PepVPN peers can now be set for both uplink and downlink.	All Balance / MAX / Surf models
11645	QoS: All devices now support bandwidth limits for individual clients.	All Balance / MAX / Surf models
11741	Routing: OSPF, and all 7 load balancing algorithms are now available across all Balance and MAX models.	All Balance / MAX Surf models
11816	Firewall: Outbound firewall rules can now match by source MAC address.	All Balance / MAX Surf models

7. Resolved Issues

Reference no.	Symptom	Device Affected
9809	PepVPN: PepVPN Analyzer does not work with WAN Connection Mapping	All Balance / MAX / Surf models
10602	Routing: When switching RIP authentication modes using the same password, the routing table can still be learned	Balance: 305, 380+, 2500
10919	Routing: The active sessions of LAN VLAN hosts will not show up in the "Status"->"Active Session" page.	All Balance / MAX / Surf models
10955	Notifications: Email notifications cannot be sent through PepVPN.	All Balance / MAX / Surf models
11046	Web UI: The PepVPN throughput graph shows incorrect information while the PepVPN analyzer is running.	All Balance / MAX / Surf models
11291	AP Controller: Balance units will not be able to download AP firmware packs.	Balance: 580 HW2, 2500
11840	Drop-in Mode: When Drop-in mode is enabled, drop-in WAN settings cannot be saved.	Balance: 20*, 30*, 50*, 210, 310, 305, 380+,2500 MAX: 700, HD2 * Feature available if activated
10565	Captive Portal: The Captive Portal is unable to intercept and redirect HTTPS connections to the splash page.	All Balance models MAX: BR1, BR2, 700, HD2, HD4
11538	Routing: When using RIPv2, a connected router will remain on the list of learned routes even after the peer router has been removed.	All Balance / MAX / Surf models

8. Known Issues

Reference no.	Symptom	Device Affected
9663	Captive Portal: The Captive Portal will not redirect if the DNS proxy has been disabled.	All Balance models MAX: BR1, BR2, 700, HD2, HD4
9992	Captive Portal: Support for Local Guest Account Mode has been temporarily suspended. This feature is scheduled to return in Firmware 6.3.0.	All Balance models MAX: BR1, BR2, 700, HD2, HD4
10575	Captive Portal: When logging into the Captive Portal using user authentication, clients will be unable to see the terms & conditions.	All Balance models MAX: BR1, BR2, 700, HD2, HD4
10951	Captive Portal: The Captive Portal persists even after Layer 2 VPN has been established.	All Balance models MAX: BR1, BR2, 700, HD2, HD4
11176	PepVPN: When using iTunes or Remote to Airplay to an AppleTV over PepVPN, Bonjour Forwarding does not function.	All Balance / MAX / Surf models
11257	Routing: If VLAN is enabled in an HA configuration, the Slave machine will disable its own VLAN function.	Balance: 210, 310, 305, 380+, 2500 MAX: 700, HD2, HD4
12342	Web UI: The PepVPN profile will the Remote ID as and cannot be edited.	MAX: BR1, BR2

9. Report a Bug

To report a bug, please open a support ticket at <http://cs.peplink.com/contact/support/>. For the latest development news, take a look at our forums: <https://forum.peplink.com/>.