

# Firmware 6.2 Release Notes

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## 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	
2500	HD4	

\*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 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.
- **"Apply Firewall Rules to PepVPN Traffic" Enabled by Default:** With Firmware 6.2, PepVPN traffic will now go through the **Outbound Firewall Rules**. You can review and configure this feature by navigating to **Network > Access Rules**.

### 3. Obtaining the Firmware

Firmware 6.2 can be obtained here: <http://www.peplink.com/downloads/>

### 4. New Features

Feature	Description	Device Supported
<b>Multi-Site PepVPN Profile</b>	<p><b>WebUI:</b> 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><b>Navigation:</b> Network &gt; Interfaces &gt; SpeedFusion</p>	<b>Balance:</b> 305, 380+
<b>PepVPN Layer 2 Peer Isolation</b>	<p><b>PepVPN:</b> Isolate different clients connected to the same L2 PepVPN broadcast domain. Each device will see only themselves and headquarters.</p> <p><b>Navigation:</b> Network &gt; LAN &gt; (?) Enable VLAN &gt; Click LAN &gt; (?) Enable Layer-2 bridging based PepVPN</p>	<b>All Balance / MAX / Surf models</b>
<b>Configurable Traffic Direction</b>	<p><b>PepVPN:</b> Assign any link in a PepVPN tunnel to be upload only, download only, or both ways.</p> <p><b>Navigation:</b> Network &gt; SpeedFusion &gt; Click Profile &gt; WAN Connection Priority &gt; (?) Enable Asymmetric Connection</p>	<p><b>Balance:</b> One*, 210, 310, 305*, 380+, 2500</p> <p><b>MAX:</b> 700, OTG*, HD2, HD4</p> <p>* SpeedFusion-Enabled Versions only.</p>
<b>Internal Service Forwarding</b>	<p><b>Routing:</b> Intercept traffic from specified ports and forward it to a local server.</p> <p><b>Navigation:</b> Network &gt; Service Forwarding &gt; Custom Service Forwarding Setup</p>	<b>All Balance / MAX / Surf models</b>

## 5. Feature Improvements

Reference no.	Improvement	Device Supported
11461	<b>Cellular:</b> LTE enabled devices can now search for available networks and 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)	<b>Balance:</b> 30 LTE <b>MAX:</b> BR1*, HD2*, HD4 * Applicable to LTE supporting variants only.
11792	<b>Cellular:</b> Improved handling of unstable cellular connections.	<b>Balance:</b> 30 LTE <b>All MAX models</b>
11601	<b>Cellular:</b> Cellular-enabled devices can now add, remove, and modify the PIN on SIM cards.	<b>Balance:</b> 30 LTE <b>MAX:</b> BR1, HD2, HD4
11154	<b>CLI:</b> CLI SSH admin access can now also be restricted by source IP address.	<b>All Balance / MAX / Surf models</b>
11816	<b>Firewall:</b> Outbound firewall rules can now match by source MAC address.	<b>All Balance / MAX Surf models</b>
8611	<b>PepVPN:</b> 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.	<b>All Balance / MAX / Surf models</b>
10084	<b>PepVPN:</b> Layer 2 PepVPN is now compatible with <a href="#">VLAN on LAN</a> . Options located under Network > LAN > IP Settings > Help Button.	<b>All Balance / MAX / Surf models</b>
11115	<b>PepVPN:</b> PepVPN is now more compatible with small MTU environments	<b>All Balance / MAX / Surf models</b>
11495	<b>PepVPN:</b> PepVPN Test is now showing per WAN info for easier performance analysis	<b>All Balance / MAX / Surf models</b>
11602	<b>PepVPN:</b> Bandwidth limits on PepVPN peers can now be set for both uplink and downlink.	<b>All Balance / MAX / Surf models</b>
11645	<b>QoS:</b> All devices now support bandwidth limits for individual clients.	<b>All Balance / MAX / Surf models</b>
8878	<b>Routing:</b> L2TP is now supported as WAN connection method.	<b>All Balance / MAX / Surf models</b>
8570	<b>Routing:</b> PepVPN NAT Mode has improved OSPF support. The client side can now accept routes from the server side without advertising its own network(s).	<b>All Balance / MAX / Surf models</b>
11741	<b>Routing:</b> OSPF, and all 7 load balancing algorithms are now available across all Balance and MAX models.	<b>All Balance / MAX Surf models</b>

10501	<b>Web UI:</b> For easier access, the PepVPN Test and Analyzer is now located under Status > PepVPN (Status > SpeedFusion for devices supporting SpeedFusion).	<b>All Balance / MAX / Surf models</b>
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## 6. Resolved Issues

Reference no.	Symptom	Devices Affected
11291	<b>AP Controller:</b> Balance units will not be able to download AP firmware packs.	<b>Balance:</b> 580 HW2, 2500
10565	<b>Captive Portal:</b> The Captive Portal is unable to intercept and redirect HTTPS connections to the splash page.	<b>All Balance models</b> <b>MAX:</b> BR1, BR2, 700, HD2, HD4
11331	<b>Cellular:</b> Cellular connections will auto-reset even if they have been configured to disconnect on standby.	<b>Balance:</b> 30 LTE <b>MAX:</b> BR1, BR2, HD2, HD4
12181	<b>Cellular:</b> Network Mode selection does not work on 3G-embedded cellular routers.	<b>MAX:</b> BR1*, BR2, HD2* * Applicable to 3G supporting variants only
11840	<b>Drop-in Mode:</b> When Drop-in mode is enabled, drop-in WAN settings cannot be saved.	<b>Balance:</b> 20*, 30*, 50*, 210, 310, 305, 380+, 2500 <b>MAX:</b> 700, HD2 * Feature available if activated
10955	<b>Notifications:</b> Email notifications cannot be sent through PepVPN.	<b>All Balance / MAX / Surf models</b>
9809	<b>PepVPN:</b> PepVPN Analyzer does not work with WAN Connection Mapping	<b>All Balance / MAX / Surf models</b>
10601	<b>Routing:</b> When mixing authentication modes (none, text, MD5) while using RIP, the routing table will refresh continuously.	<b>Balance:</b> 305, 380+, 2500
10602	<b>Routing:</b> When switching RIP authentication modes using the same password, the routing table can still be learned	<b>Balance:</b> 305, 380+, 2500
10919	<b>Routing:</b> The active sessions of LAN VLAN hosts will not show up in the "Status"->"Active Session" page.	<b>All Balance / MAX / Surf models</b>
11538	<b>Routing:</b> When using RIPv2, a connected router will remain on the list of learned routes even after the peer router has been removed.	<b>All Balance / MAX / Surf models</b>

## 7. Known Issues

Reference no.	Symptom	Devices Affected
9663	<b>Captive Portal:</b> The Captive Portal will not redirect if the DNS proxy has been disabled.	<b>All Balance models</b> <b>MAX:</b> BR1, BR2, 700, HD2, HD4
9992	<b>Captive Portal:</b> Support for Local Guest Account Mode has been temporarily suspended. This feature is scheduled to return in Firmware 6.3.0.	<b>All Balance models</b> <b>MAX:</b> BR1, BR2, 700, HD2, HD4
10575	<b>Captive Portal:</b> When logging into the Captive Portal using user authentication, clients will be unable to see the terms & conditions.	<b>All Balance models</b> <b>MAX:</b> BR1, BR2, 700, HD2, HD4
10951	<b>Captive Portal:</b> The Captive Portal persists even after Layer 2 VPN has been established.	<b>All Balance models</b> <b>MAX:</b> BR1, BR2, 700, HD2, HD4
6911	<b>PepVPN:</b> On MAX HD4 and Balance 2500, PepVPN chart may show severe packet loss if encryption is enabled.	<b>Balance:</b> 2500 <b>MAX:</b> HD4
11176	<b>PepVPN:</b> When using iTunes or Remote to Airplay to an AppleTV over PepVPN, Bonjour Forwarding does not function.	<b>All Balance / MAX / Surf models</b>
11257	<b>Routing:</b> If VLAN is enabled in an HA configuration, the Slave machine will disable its own VLAN function.	<b>Balance:</b> 210, 310, 305, 380+, 2500 <b>MAX:</b> 700, HD2, HD4
12480	<b>Routing:</b> SpeedFusion-enabled OSPF backbone areas will not exchange non-backbone area network routes.	<b>All Balance / MAX / Surf models</b>

## 8. 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/>.