

# Firmware 7.1 Beta Release Notes

Release Date: 11/21/2017

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## 1. Devices Supported

This firmware release supports the following devices:

|                         |   |
|-------------------------|---|
| <b>Peplink Balance:</b> | 20 / 30 / 30 LTE / 50 / One / 210 / 310 / 305 HW2 / 380 HW6 / 580 HW2-3 / 710 HW3 / 1350 HW2 / 2500                       |
| <b>Pepwave MAX:</b>     | On-The-Go HW2 / BR1 HW2 / BR1 Slim / BR1 Mini / BR1 ENT / BR2 / 700 / HD2 / HD2 IP67 / HD2 Mini / HD4 / Transit / Hotspot |
| <b>Pepwave Surf:</b>    | SOHO HW2 / SOHO MK3   |
| <b>MediaFast:</b>       | 200 / 500 / 750 / HD2^ / HD4^   |

^ Full names = HD2 with MediaFast, HD4 with MediaFast.

## 2. Firmware 7 Compatibility - Unsupported Models

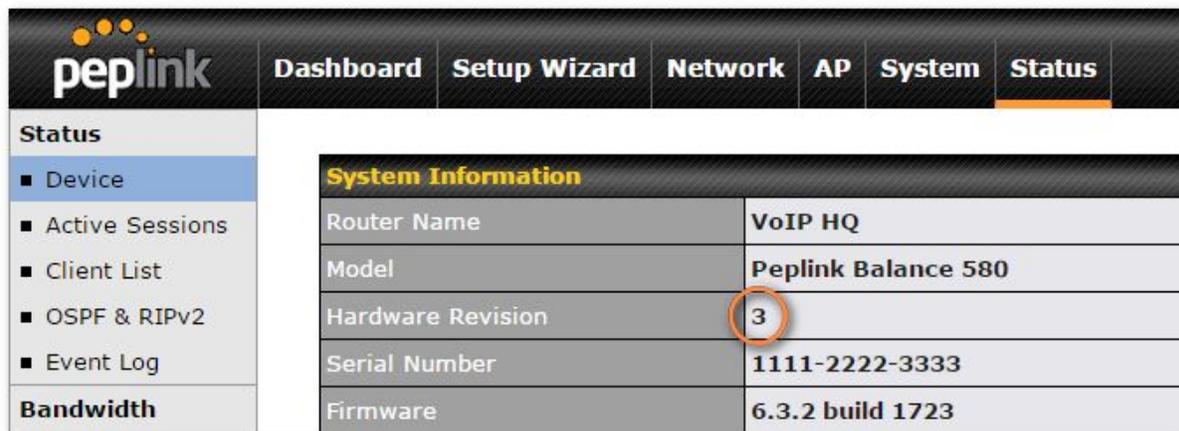
Please note that the following models will **NOT** be supported by Firmware 7 onwards. Rather, they will receive Firmware 6.x maintenance releases as needed:

- MAX BR1 HW1
- MAX BR1 Pro HW1
- MAX On-The-Go HW 1
- Surf SOHO HW1
- BR1 and BR2 IP55 HW 1
- Balance 305 HW1
- Balance 380 HW3-5
- Balance 580 HW1
- Balance 710 HW 1-2
- Balance 1350 HW1

Please note that the following models are not compatible with Firmware 6.3.0 onwards:

- Balance 380 HW1-2

To find the hardware revision of your Device, please navigate to **Status > Device** of your Web UI.



| System Information |                     |
|--------------------|---------------------|
| Router Name        | VoIP HQ             |
| Model              | Peplink Balance 580 |
| Hardware Revision  | 3                   |
| Serial Number      | 1111-2222-3333      |
| Firmware           | 6.3.2 build 1723    |

## 3. Important Notices

### For Firmware 7.0.1 Onwards

**PepVPN Route Isolation is Not Backwards Compatible:** If users are using PepVPN Route Isolation, they should upgrade all the devices in the network to 7.0.1 or 6.3.4.

### For Firmware 7

**PepVPN Firmware Compatibility Change:** Devices running Firmware 7 will only form PepVPN connections with devices running Firmware 6.1 or later. Firmware 6.0 or earlier is deprecated.

**Firmware Downgrade is Unavailable for the BR1, BR1 ENT, BR1 Slim, and Transit:** Please note that once Firmware 7 is installed on those, it will not be possible to downgrade to Firmware 6 or below. Dual-boot with older Firmware is still supported, but each Firmware slot will not accept earlier Firmware once it contains Firmware 7.

**After Partitioning a MediaFast Router, Running Previous Firmware will Completely Clear the Cache:** Please note that once you create partitions on any MFA router, running 6.3.3 or below will cause the router to clear the entire cache.

## 4. Obtaining the Firmware

Firmware 7.1 can be obtained here: <https://www.peplink.com/open-beta-program/>

## 5. New Features

| Reference    | Feature   | Devices Supported   |
|--------------|---|---|
| <b>13586</b> | <b>[IPsec]</b> Added IKEv2 support.   | <b>All Balance / MediaFast /<br/>MAX models</b><br><b>Surf: SOHO</b>                  |
| <b>16991</b> | <b>[NAT Mapping]</b> Implemented Virtual Network Address support for One-to-One or Many-to-One NAT Mapping to resolve local network conflicts with remote peers connected via PepVPN / IPsec / IP Forwarding WAN. |   |
| <b>17191</b> | <b>[Outbound Policy]</b> New Outbound Policy Algorithm: Fastest Response Time.  |   |
| <b>14507</b> | <b>[PepVPN]</b> The PepVPN Receive Buffer now enables users to configure a buffering time for received packets, which helps to reduce jitter and out of order packets.  |   |
| <b>15796</b> | <b>[Port Status]</b> The Web UI now shows the port status of connected devices.   | <b>Balance:</b> One, 210/2310<br>HW4<br><b>MAX:</b> HD4<br><b>MediaFast:</b> HD2, HD4 |

## 6. Feature Improvements

| Reference    | Feature   | Devices Supported  |
|--------------|---|--|
| <b>11611</b> | <b>[PepVPN]</b> The PepVPN Status page now provides more information when link failure happens; helping to identify whether it failed to send, or failed to receive.  | <b>All Balance / MediaFast /<br/>MAX models</b><br><b>Surf: SOHO</b> |
| <b>8436</b>  | <b>[PepVPN]</b> PepVPN / SpeedFusion Connection Mapping to Remote WANs now supports multiple WANs selection for more flexibility.<br><br>Navigation: Enable this option in the help text of WAN Connection Priority panel on SpeedFusion settings page. |  |
| <b>17397</b> | <b>[PepVPN]</b> Modifying LAN or VLAN settings no longer disconnects all of the NAT Mode and Layer 2 PepVPN connections, only those attached to the affected LAN or VLAN will be disconnected.  |  |
| <b>17085</b> | <b>[PepVPN Test]</b> The test has been enhanced to provide granular WAN-to-WAN control and statistics.  | <b>All Balance / MediaFast /<br/>MAX models</b><br><b>Surf: SOHO</b> |

|              |  |   |
|--------------|--|---|
| <b>15595</b> | <b>[InControl]</b> InControl and the Web UI event log can detect LAN cable disconnects. InControl can also send alerts in the event of a LAN cable disconnect. |   |
| <b>17223</b> | <b>[Security]</b> The Web Admin can now be completely disabled via CLI command.  |   |
| <b>16402</b> | <b>[IPsec]</b> IPsec supports stronger DH group (Group: 2, 5, 14, 19, 20, 21, 24).   |   |
| <b>16166</b> | <b>[Outbound Policy / Firewall]</b> Added support for GeoIP: (pre-defined regional networks, similar to grouped network).                                      | <b>All Balance / MediaFast / MAX models</b><br><b>Surf: SOHO</b>  |
| <b>17220</b> | <b>[Latency Chart]</b> When the "Lowest Latency" algorithm is in use, latency information will be displayed on the "status" page.                              |   |
| <b>17083</b> | <b>[AP Controller Lite]</b> The AP Controller Lite can now support 2 AP profiles on each managed AP.   | <b>Balance:</b> One, 20, 210, 310<br><b>MAX:</b> 700, HD2, HD2 Mini, HD2 IP67, Transit, HD4<br><b>MediaFast:</b> 200, HD2, HD4        |
| <b>17311</b> | <b>[AP Controller]</b> Use the AP Controller to access the Web Admin of external AP.   | <b>Balance: ALL</b><br><b>MAX: 700, HD2, HD2 Mini, HD2 IP67, Transit, HD4</b><br><b>MediaFast: All</b>                                |
| <b>17004</b> | <b>[Captive Portal]</b> Added support for a backup RADIUS server.  | <b>All Balance / MediaFast models</b><br><b>MAX:</b> BR1, BR1 Slim, BR1 Mini, BR1 Ent, BR2, 700, HD2, HD2 Mini, HD4, Hotspot, Transit |
| <b>17230</b> | <b>[Cellular]</b> Secondary band now displays signal information.  | <b>Balance:</b> 30 LTE<br><b>MAX:</b> All models except the 700 and OTG   |
| <b>15577</b> | <b>[Cellular]</b> Users can now determine the signal strength threshold needed for the router to consider a connection online.                                 | <b>MediaFast:</b> HD2, HD4  |

## 7. Resolved Issues

| Reference | Feature  | Devices Supported  |
|-----------|--|--|
| 9661      | <b>[AP Controller]</b> Devices supporting AP Controller lite can configure up to 16 SSIDs but only 3 of them is activated. | <b>Balance:</b> One, 20, 210, 310<br><b>MAX:</b> 700, HD2, HD2 Mini, HD2 IP67, Transit, HD4<br><b>MediaFast:</b> 200, HD2, HD4 |
| 17630     | <b>[SpeedFusion]</b> Unable to establish more than 1024 Layer 2 SpeedFusion connections on the same LAN or VLAN.           | <b>Balance:</b> 2500   |

## 8. 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/>