

Firmware 7 Release Notes

Release Date 01/18/2017

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1. Devices Supported

This firmware release supports the following devices:

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

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

2. Firmware 7 Compatibility - Unsupported Models

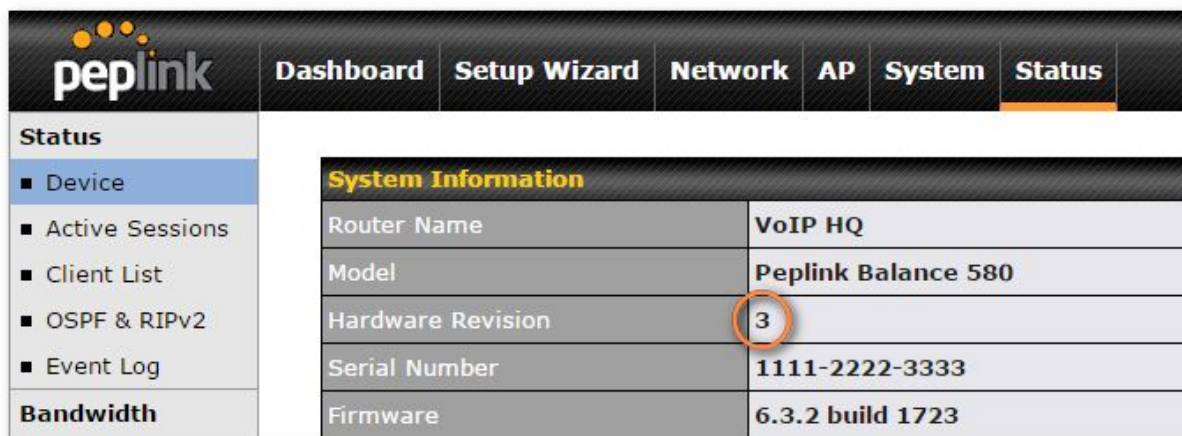
Please note that the following models will **NOT** be supported by Firmware 7 onwards. Rather, they will receive Firmware 6.x maintenance releases as needed:

- 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.



peplink		Dashboard	Setup Wizard	Network	AP	System	Status
Status							
■ Device		System Information					
■ Active Sessions		Router Name	VoIP HQ				
■ Client List		Model	Peplink Balance 580				
■ OSPF & RIPv2		Hardware Revision	3				
■ Event Log		Serial Number	1111-2222-3333				
Bandwidth		Firmware	6.3.2 build 1723				

3. Important Notices

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.

For Firmware 6.3.3 or Before

Firmware Downgrade is Unavailable for the HD4: Please note that once 6.3.3 is installed on the MAX HD4, it will not be possible to downgrade to Firmware 6.3.1 or below. Dual-boot with older Firmware will still function, but each Firmware slot will not accept earlier Firmwares once it contains 6.3.2 or above.

Firmware Downgrade is Unavailable for the Balance One: Please note that once 6.3.3 is installed on the Balance One, it will not be possible to downgrade to Firmware 6.3.0 or below. Dual-boot with older Firmware will still function, but each Firmware slot will not accept earlier Firmwares once it contains 6.3.1 or above.

UI Change for OSPF & RIPv2 Route Advertisement: We have updated the page for configuring OSPF & RIPv2 route advertisements. If you have previously customized OSPF & RIPv2 settings, please go in and review route advertisement settings after firmware upgrade.

Upgrade APs to AP Firmware 3.5.2 or Later Before Upgrading Balance and MAX devices to 6.2.2 or above: When running Balance and MAX Firmware 6.2.2 or above, Peplink routers will be unable to upgrade APs running 3.5.0 or below using upgrade packs. If you are using a Peplink router to manage APs running 3.5.0 or below, please upgrade APs to Firmware 3.5.2 or later _____ upgrading your Peplink router.

4. Obtaining the Firmware

Firmware 7 can be obtained here: <https://www.peplink.com/support/downloads/firmware-7/>

5. New Features

Reference:	Feature	Devices Supported
6211	[PepVPN] Form multiple PepVPN profiles between the same pair of devices.	All Balance / MediaFast / MAX models Surf: SOHO
15783	[Load Balancing and WAN Smoothing] Additional, selected MAX single cellular models now support load balancing and WAN Smoothing.	MAX: BR1, BR1 Slim, BR1 ENT, Transit
15269	[High Availability] Support for HA/VRRP extended to more MAX models.	Balance: 210, 310, 305, 380+, 2500 MAX: BR1, BR1 ini, BR1 Slim, BR1 Ent, BR1 Pro, BR1 IP67, Hotspot, Transit
15391	[High Availability] While in standby state, the HA Slave's WAN links will remain connected.	
15894	[SpeedFusion Peers for Balance 305] The Balance 305 can now connect to two peers using SpeedFusion in addition to PepVPN. This upgrade does not require any software license.	Balance: 305
13180	[Simultaneous Dual Wi-Fi WAN] The 2.4GHz and 5GHz radios can both operate as Wi-Fi WAN on selected models.	MAX: Transit
	[Wi-Fi Radio] 5GHz radio can be used for Wi-Fi WAN.	MAX: Transit, Hotspot Surf: SOHO
15333	[Out-of-Band Management] MAX Devices with Serial Ports can now perform out-of-band management, accessing the UART through a web browser.	MAX: BR1 Mini

6. Feature Improvements

Reference:	Feature	Devices Supported
15191	[WAN Priority] WAN priority can be assigned according to groups of WAN links.	All Balance / MediaFast / MAX models

14645	[VPN] L2TP and PPTP clients can be assigned to specific VLANs.	Surf: SOHO
15673	[VPN] Redesigned IPsec implementation. NAT Traversal is always enabled.	
12676	[Router Utility] Added ability to remove specific devices from receiving push notifications using the Router Utility app.	
15356	[Service Forwarding] Added ability to specify packets from which LAN networks to forward.	
9510	[Event Log] Added web admin login history to event log	
14631	[VLAN] Per-port VLAN support added for a number of models	Balance: 305, 380, 580, 710, 1350, 2500 MAX: BR1 ENT MediaFast: 500, 750
15189	[AP Controller] Information on client errors and retransmits available by navigating to AP>Client list.	Balance: ALL MAX: 700, HD2, HD2 Mini, HD2 IP67, Transit, HD4 MediaFast: All
14817	[AP Controller] Added ability to dynamically schedule channel assignment.	
14940	[AP Controller] Added ability to configure different client limits for 2.4GHz and 5GHz bands.	
15180	[AP Controller] Added ability to schedule SSIDs, implement per-radio client limits, and enable/disable DHCP relay.	
15181	[AP Controller] Added ability to set client and signal strength limits for each band.	
15187	[AP Controller] The AP Controller Status page now shows channel utilization, transmit power, and nearby device count.	
15186	[AP Controller] Added event log for the AP Controller	
15119	[Content Filtering] Lists for the "pornography" and "update sites" categories have been updated.	All Balance products except the Balance 20 and 30 LTE All MediaFast / MAX models Surf: SOHO
15661	[Captive Portal] If a client has reached the time or bandwidth quota, the captive portal splash page will show up automatically.	All Balance / MediaFast models

15573	[Captive Portal] IP Subnets can now be specified as allowed networks.	MAX: BR1, BR1 Ent, BR2, 700, HD2, HD2 Mini, HD4, Hotspot, Transit
15525	[GPS Forwarding] GPS Forwarding can now support broadcasts and multicasts.	MAX: BR1, BR1 ENT, 700, Transit, HD2, HD2 Mini, HD4 MediaFast: HD2, HD4
14711	[MediaFast] Prefetch results now show the total number of files found and the total number of updated files.	MediaFast: HD2, HD4, 200, 500, 750

7. Resolved Issues

Reference:	Issue	Devices Affected
15146	[DNS] MX records are incorrect	All Balance / MediaFast / MAX models Surf: SOHO
15104	[DNS] When performing a zone transfer, the TXT and SRV records will duplicate.	
15046	[Outbound Policy] Unable to add a new rule using UDP on "Any Port".	
15343	[PepVPN] Unable to configure OSPF area for PepVPN connections.	
15368	[OSPF] Subnet information for OSPF neighbors is not visible under Status > OSPF / RIPv2	
15226	[DHCP] Unable to set DHCP subnets to be smaller than the LAN subnet.	
15483	[IPsec] IPsec does not function if per-port VLAN is also enabled.	
15486	[IPsec] IPsec algorithm SHA-256 is not functional.	
15228	[VPN] L2TP/PPTP clients are occasionally unable to ping other LAN clients.	MAX: BR1, BR1 Slim, BR1 Mini, BR1 ENT, OTG, 700, HD2, HD2 Mini
13800	[VPN] L2TP clients will disconnect occasionally.	

13842	[Captive Portal] Even though sessions end once the bandwidth quota has been reached, the router does not disconnect current downloads.	All Balance / MediaFast models MAX: BR1, BR1 Slim, BR1 Mini, BR1 Ent, BR2, 700, HD2, HD2 Mini, HD4, Hotspot, Transit
15247	[High Availability] When disabling HA mode on an HA slave, the device will be unable to access the Internet	Balance: 210, 310, 305, 380+, 2500 All MediaFast / MAX Models
14977	[InControl] On the BR1, the SSID count is limited to one after InControl management has been disabled.	MAX: BR1
14976	[Wi-Fi AP] If the RADIUS server is located on the WAN side, the AP will malfunction if the security policy has been set to "WPA2 Enterprise".	Balance: One MAX: 700, OTG, BR1, BR1 Mini, BR2, HD2, HD4, Hotspot, Transit MediaFast: HD2, HD4 Surf: SOHO *Wi-Fi WAN not supported on the Balance One and BR1 Slim, optional on the BR1 Mini.
15647	[Wi-Fi AP] If SSID is set to hidden, then the list of wireless networks will display incorrectly.	
14755	[Wi-Fi AP] AP SSID configurations may become altered after performing a reboot if AP configurations are pushed from InControl.	
15469	[Wi-Fi WAN] iOS generated hotspots are not visible to the router.	

8. Known Issues

Reference:	Issue	Devices Affected
14154	[Event Log] After inputting a non-existent hostname in DDNS settings, the event log may show incorrect messages.	All Balance / MediaFast / MAX models Surf: SOHO
15688	[OSPF] OSPF area IDs appear as dotted quads (0.0.4.210) rather than decimal value (1234)	
15304	[PepVPN] When using PepVPN in NAT mode, modifying the custom name in the client list page does not work.	
15162	[PepVPN] When using PepVPN in NAT mode, NAT mode clients will have missing names.	
15649	[Optional WAN Ports] Enabling or disabling the optional WAN ports on the Balance One will cause that LAN port to be unresponsive.	Balance: One
15766	[MediaFast] When using the storage manager, performing a cache cleanup will show the error message "cache delete failed" even though the cache was successfully cleared.	All MediaFast models
15367 15710	[WAN LED] The Wi-Fi WAN LED remains off regardless of Wi-Fi WAN status.	MAX: 700 HW2, HD2 HW4
13127	[WAN Config] For the Balance 1300 HW2, the WAN connection is always set to 100Mbps full duplex.	Balance: 1350 HW2

9. 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, take a look at our forums: <https://forum.peplink.com/>.