

Firmware 8.1.2 RC 2 Release Notes

Release Date: Apr 22, 2021

Devices Supported

This firmware release supports the following devices:

X Series	EPX / SDX Pro / SDX / PDX / MBX / 580X / 380X / 310X / 20X
Balance	20X / 20 / 30 / 30 LTE / 30 Pro / 50 / One / Two / 210 / 310 / 310 5G / 310X / 305 HW2 / 380 HW6 / 580 HW2-3 / 710 HW3 / 1350 HW2 / 2500
MAX	BR1 MK2 / BR1 HW2-3 / BR1 Slim / BR1 Mini / BR1 M2M / BR1 ENT / BR1 ESN / BR1 PRO / BR1 IP67 / BR2 / BR1 IP55 HW2-4 / BR2 IP55 HW2-3 / HD2 / HD2 IP67 / HD2 Mini / HD1 Dome / HD2 Dome / HD4 / HD4 IP67 / Transit / Transit Duo / Transit Mini / Hotspot / On-The-Go HW2 / 700
UBR	UBR LTE
Surf	SOHO HW2 / SOHO MK3
MediaFast	200 / 500 / 750 / HD2 / HD4
SpeedFusion Engine	SFE / SFE CAM
FusionHub	FusionHub

Important Notices

- **Balance 20 Hardware Revision 1-6** will **NOT** be supported by further major firmware updates. They will receive Firmware 8.1.x maintenance releases as needed.
- For the following models, the unit must be upgraded to [Firmware 7.1.2](#) first before upgrading to 8.0.0 or above.

Product	Hardware Revision
MAX BR1	HW2-3
MAX BR1 IP67	HW1
MAX BR1 Mini	HW1-2
MAX BR1 Pro	HW2,4-5
MAX BR1 Slim	HW1
MAX BR2	HW2
SOHO	HW2

- 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.
- Please note that the “High Application Compatibility” and “Normal Application Compatibility” settings in “Outbound Policy” have been deprecated. Both options still work, if you set up a Custom Outbound Policy, you cannot change them back.
- Internet Explorer 11 is no longer supported by Web Admin.
- The updated minimum version of the supported browser:
 - Mozilla Firefox 54
 - Google Chrome 51
 - Safari 10
 - Microsoft Edge 15

Improvements

Reference	Description	Device Supported
24701	[Beta 1] [5G] Cellular "Auto mode" supports 5G and 4G only	Balance: 310 5G MAX: Transit 5G X Series: EPX, MBX, SDX Pro, SDX, 310X
24562	[Beta 1] [B20X] Added HA support with a valid PrimeCare subscription	X Series: 20X
24433	[Beta 1] [System] Added support for Service Provider Configuration via DHCP Option	All Models
24541	[Beta 1] [USB Modem] Updated "Modem Support Version" to 1025	Balance: All MAX: BR1 ENT, HD2/4 Indoor Series MediaFast: All X Series: All Surf SOHO
24559	[RC 1] [Cellular] Data Roaming option will be turned on by default for UScellular SIM	Balance: 30 LTE/Pro MAX: BR1/2, HD2/4, Transit UBR: UBR LTE MediaFast: HD2/HD4 X Series: All
24777	[RC 2] [5G] Added: 5G band and signal information	Balance: 310 5G MAX: Transit 5G X Series: EPX, MBX, SDX Pro, SDX, 310X
24946	[RC 2] [DHCP WAN] Added: Management IP Address for DHCP WAN	All Models (Except FusionHub)

Resolved Issues

Reference	Description	Device Supported
24495	[Beta 1] [B20X] Fixed a memory usage issue that causes system instability	X Series: 20X
24640	[Beta 1] [B380X / 580X] Fixed an issue causing the WAN Real-Time Bandwidth on InControl 2 to always show 0 bps	X Series: 380X, 580X

24623	[Beta 1] [B380X / 580X] Fixed the issue of VLAN Access Port not working on LAN 1-3 ports	X Series: 380X, 580X
24480	[Beta 1] [B50] Fixed the issue causing WAN 5 to not function	Balance: 50
24575	[Beta 1] [Captive Portal] Updated the Captive Portal SSL Certificate	All Models (Except FusionHub)
24567	[Beta 1] [Cellular] Fixed an issue causing high CPU when cellular is not in use	Balance: 30 LTE/Pro MAX: BR1/2, HD2/4, Transit UBR: UBR LTE MediaFast: HD2/HD4 X Series: All
24555	[Beta 1] [DDNS] Fixed the issue where the user cannot disable the "Update All Hosts" feature when using the "DNS-O-Matic" DDNS service	All Models
24591	[Beta 1] [Flex Module & FlexModule Mini] Fixed an issue that potentially caused incorrect Daily Usage Reports	X Series: EPX, SDX Pro, SDX, 580X, 380X, 20X
24624	[Beta 1] [IP Passthrough] Fixed an issue causing IP Passthrough to not work after a firmware upgrade	Balance: 30 Pro MAX: BR1, Transit UBR: UBR LTE Surf SOHO: SOHO HW2 / MK3 X Series: 20X
24434	[Beta 1] [KVM] Fixed the issue disabling VM creation via network	MediaFast: 500, 750 X Series: SDX Pro
24486	[Beta 1] [LDAP] Fixed the issue where Remote User Access with LDAP authentication does not work with a Windows Server	Balance: 210 or above MAX: 700, HD2/4 MediaFast: All X Series: All FusionHub
24484	[Beta 1] [LDAP] Fixed the LDAP authentication issue when using DUO MFA	Balance: 210 or above MAX: 700, HD2/4 MediaFast: All X Series: All FusionHub
24533	[Beta 1] [SNMP] Fixed the issue causing the "SNMP CPU Load" to not align with "Web Admin"'s "CPU Load"	All Models
24553	[Beta 1] [SpeedFusion Cloud] Fixed the issue where "Connect Clients to Cloud" / "Link Wi-Fi to Cloud" / "Optimize Cloud Application" does not work if using Automatic location	All Models (Except FusionHub)

24551	[Beta 1] [SpeedFusion] Added an option to ignore the DF bit of packets	Balance: B210 or above MAX: 700, HD2/4, Transit UBR: UBR LTE MediaFast: All SFE X Series: EPX, SDX Pro, SDX, PDX, MBX, 310X FusionHub
24542	[Beta 1] [SpeedFusion] Fixed a potential memory issue caused by the device having a lot of SpeedFusion profiles	Balance: B210 or above MAX: 700, HD2/4, Transit UBR: UBR LTE MediaFast: All SFE X Series: EPX, SDX Pro, SDX, PDX, MBX, 310X FusionHub
24554	[Beta 1] [SpeedFusion] Removed duplicated SpeedFusion Event Log entries	Balance: B210 or above MAX: 700, HD2/4, Transit UBR: UBR LTE MediaFast: All SFE X Series: EPX, SDX Pro, SDX, PDX, MBX, 310X FusionHub
24531	[Beta 1] [System] Fixed an issue causing feature Add-on keys might not be fully applied to the devices	All Models
24584	[RC 1] [Remote User Access & FusionHub] Fixed the issue of Authenticate with Active Directory will fail if Server Name is unable to resolve	FusionHub
24972	[RC 2] [MBX] Fixed: Old MBX hardware revision does not support new MBX expansion module	X Series: MBX
24927	[RC 2] [Outbound Policy] Fixed: Adding a new Enforced Outbound Policy does not reroute existing sessions	All Models (Except FusionHub)

Report an Issue

To report an issue, please open a support ticket at:

<https://ticket.peplink.com/>

For the latest development news and known issues, take a look at our forums:

<https://forum.peplink.com/>