NO:AP1101-2 V.1

Release Note for Vigor2927 Series

Firmware Version:	4.5.3
Release Type:	Regular – Upgrade recommended when convenient, as it includes general improvements and optimizations
Applied Models:	Vigor2927, Vigor2927ac, Vigor2927Vac, Vigor2927L, Vigor2927Lac, Vigor2927ax, Vigor2927F, Vigor2927L-5G, Vigor2927Lax-5G

Vigor2927 series is a broadband router which integrates IP layer QoS, NAT session/bandwidth management to help users control works well with large bandwidth. The state-of-art routing feature, VPN security, and Dual-WAN provide integrated benefits for professional users and small offices.

New Features

- Added IP Reputation feature.
- Added support for MSS adjustment for VPN in DS-Lite mode.
- Added support for multiple untagged PPPoE connections on the same port.
- Added ECDSA verification support for firmware upgrades on the fly.
- Integrated DraySOAR with DrayOS4.

Improvement

Security

- Improved: Standardized the wording of TOTP key descriptions.
- Improved: Addressed multiple security issues in SSH, wloginauth.cgi, EasyVPN OTP, and Hotspot.
- Improved: Enhanced CAPTCHA image generation to make AI-based recognition more difficult.

System Reboot

- Corrected: An issue where the router may fail to boot when receiving VoIP OPTION packets under certain conditions.
- Corrected: An issue where the router may fail to boot caused by static task exhaustion with specific configurations.
- Corrected: An issue where the router might reboot when clicking "Profile Setup" in the Hotspot Web Portal.
- Corrected: An issue where the router reboot was related to the DrayDDNS callback and Custom DDNS update.
- Corrected: An issue where certain malformed SIP traffic could cause the router to reboot unexpectedly.
- Corrected: An issue where a potential IKE buffer leak when GCM exchange message were fragmented.
- Corrected: An issue where a router rebooted when running IP Ping with a Specified Source IP.
- Corrected: An issue where the router rebooted when connecting to MyVigor over VPN while the VPN server was blocking the connection.
- Corrected: An issue where the router unexpectedly rebooted when connecting to an ACS server

with a long CNAME record.

- Corrected: An issue where saving OpenVPN settings caused the router to reboot.
- Corrected: An issue where the router rebooted when using L2TP VPN.

VPN

- Improved: Enhanced IKEv2 VPN connection stability in NAT mode when connecting to Juniper devices.
- Improved: Updated the default VPN Dial-out Server Type for L2L VPN to IPsec IKEv2 instead of PPTP.
- Improved: Added UI support for VPN Port Knocking.
- Improved: Enhanced VPN tunnel handling to improve connectivity to remote networks when packet lengths exceed 1212 bytes with VPN MSS set to 1200.
- Improved: Enhanced OpenVPN client profile management to support profile export.
- Improved: Improved OpenVPN user profile selection in VPN Matcher Setup when multiple VPN profiles are configured.
- Improved: Enhanced SSL VPN connectivity with Vigor 3910(running firmware version 4.4.5).
- Improved: Enhanced OpenVPN profile import handling to support importing additional .ovpn profiles when three profiles are already configured.
- Improved: Enhanced OpenVPN connectivity with PIA servers.

WebUI

- Improved: Enhanced OAuth2.0 Redirect URI handling in the WebUI to support HTTPS ports other than 443.
- Improved: Improved process stability when using specific VLAN configurations.
- Improved: Enhanced OAuth2.0 token retrieval with Microsoft 365.
- Improved: Improved WebUI language selection compatibility with Google Chrome.
- Corrected: An issue where the Firewall Filter page failed to display after importing a customer configuration file containing garbled IP object names.
- Corrected: An issue where IP addresses were not displayed in Firewall > Defense Setup > IP White/Black List when using Microsoft Edge or Safari on iOS.
- Corrected: An issue where the VLAN Configuration page failed to load and remained stuck on the SWM Profile page.
- Improved: Enhanced LAN Access Setup to support IP Group selection.
- Corrected: An issue where the User Status pop-up dialog did not appear when using User-Based mode in the new firmware.
- Corrected: An issue where Country Objects could not be removed from the Defense Setup list.

Firewall

- Improved: Enhanced the APPE workflow.

Wireless (LTE/5G)

- Improved: Added 5G bands to the "Preferred LTE Band" selection.
- Improved: Enhanced VLAN name handling in the APN WLAN Profile when applying settings to DrayOS5 VigorAP devices.
- Corrected: An issue where the 5 GHz Wi-Fi network was not detected when using the BN country code.
- Corrected: An issue where the log file gradually increased in size over time due to an RM520N-EU module firmware issue during FOTA.
- Improved: Addressed the LTE/5G modem firmware upgrade/downgrade process to eliminate

the need for a manual reboot or power cycle.

- Corrected: An issue where LTE/5G failed to establish an IPv4 connection when the DHCPv6 client (IPv6) was also enabled.
- Corrected: An issue where the "Specific cell for connection" settings on the LTE WAN were not applied.
- Corrected: An issue where the 5G WAN connection was disconnected approximately every six minutes.
- Corrected: An issue where VLAN bridging over the mesh network was not working properly.

Known Issue

- The EZCast 2 WiFi dongle may not function properly with the Vigor2927ax router. Switching either device to AC mode may resolve the issue.

Note

- IPsec HMAC (MD5) is no longer supported.

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