

## Release Note for Vigor2926 Series

Firmware Version:	3.8.9
Release Type:	Normal
Applied Models:	Vigor2926, Vigor2926n, Vigor2926ac, Vigor2926L, Vigor2926Vac, Vigor2926Ln, Vigor2926Lac

Vigor2926 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

- Support VigorACS 2 (firmware version:2.3.0).
- Support DrayOS IKEv1 IPsec XAuth for the security of network connection.
- Support SMS One Time Password (OTP) for VPN / Remote Management (2FA, two factor authentication).
- Add an Advanced button to offer more direction options in firewall rule (Firewall>>Edit Filter Set>>Edit Filter Rule).

### Improvement

- Improved: Support multi-gateway in LAN subnet.
- Improved: Support Country Object option in Firewall>>Edit Filter Set>>Edit Filter Rule.
- Improved: Support IKEv2 ECDH Group 19, 20 and 21 in VPN and Remote Access>>LAN to LAN.
- Improved: Support Diffie-Hellman group 19 as Proposal setting on VPN and Remote Access>>LAN to LAN VPN Profiles.
- Improved: Support SSL/TLS authentication for Local 802.1X (Applications>>Local 802.1X General Setup).
- Improved: Add country object which can be selected as route policy.
- Improved: Improvement for LTE dial up state mechanism.
- Improved: Allow setting Inter-LAN Routing between DMZ and LAN1 when DMZ is enabled.
- Improved: Modify firmware upgrade page for displaying firmware header information (System Maintenance>>Firmware Upgrade).
- Improved: Add options to specify WAN interface for firewall rule (Firewall>>Edit Filter Set>>Edit Filter Rule).

- Improved: Allow conditional Bind IP to MAC based upon network entry point.
- Improved: Allow using the same WAN interface for STUN and SIP traffic by default.
- Improved: Import X.509 certificate via SSH (mngt cert\_import cmd).
- Improved: Support “Use Cycle in hours” for Custom setting in WAN>>WAN budget.
- Improved: Support Channel Width selections on Central Management >>AP >> WLAN Profile.
- Improved: Increase X.509 Certificate import size.
- Improved: Extend the certificate size of Vigor router (for the Certificate Chain Issue).
- Improved: Add backup/restore buttons to VPN and Remote Access>>Remote Dial-in User.
- Improved: Remove ZenMate.
- Improved: The Router Name (set in System Maintenance>>Management) can be used as L2TP Client’s Host name.
- Improved: Modifications on DrayOS to meet the GDPR.
- Improved: Modifications on SWM function to meet GDPR.
- Improved: Modifications on Hotspot Web Portal function to meet GDPR.
- Improved: Add the option of "IPv6 Address Random Allocation" for DHCPv6 Server on LAN>>General.
- Improved: Remove the telnet commands, 'ip dmz' and 'ip aux [Join to NAT pool]'.
- Improved: Enable WAN2 as factory default configuration.
- Corrected: The IKEv1/IKEv2 selection was visible even IPsec Tunnel was not selected.
- Corrected: Vigor router continued to send UDP connection request address when the STUN service was disabled.
- Corrected: Unable to pass the traffic to VPN when VPN Trunk Backup connection was resumed.
- Improved: Revise the words on System Maintenance >> Time and Date >> Daylight Saving Advanced page.
- Improved: Change the wording of "Advanced" button into “Advanced DHCP Client Option” on WAN >> Internet Access page.
- Improved: Modify the position of the note on LAN >> General Setup page.
- Corrected: Typo in VPN and Remote Access>>IPsec General Setup page.
- Add a message to notify the users when they try to turn off LAN port /USB port / LED / Buttons in System Maintenance>>Panel Control.
- Corrected: IPv6 address with the abbreviation “::” of 0 was not accepted by IPv6 object profile.
- Corrected: LTE status on dashboard changed the signal display (RSSI/RSRP->RSSI) after performing auto-refresh.
- Improved: Support subnet mask drop-down selection instead of typing it manually on web user interface.
- Improved: Use a unified term for the Active Status.

- Improved: Unify the format for enabling/disabling a profile in the profile settings.
- Corrected: The color of the menu item did not change from black to white if ever been clicked.
- Improved: Improve the web user interface of VPN status (VPN and Remote Access>>Connection Management).
- Improved: Add a Refresh button in VPN and Remote Access>>Connection Management for refreshing connection status.
- Improved: Re-arrange the hints on Central Management > AP > WLAN Profile > Edit page.
- Improved: Modify the page layout for CSM>>APP Enforcement Profile.
- Improved: Remove the asterisk mark (\*) besides the options in WAN >> Internet Access >> Details Page.
- Improved: Remove the unnecessary word, "setup" in WAN >> General Setup.
- Improved: Improve the layout for WAN VLAN Tag Insertion in WAN>>General Setup>>WAN#.
- Corrected: Syslog displayed the password setting for WAN DHCP Client Identifier.
- Corrected: Got incorrect result for the allowed site when WCF firewall was enabled.
- Corrected: Overnight schedule profile did not work.
- Corrected: Unable to make network connection with AES encryption for WLAN 5GHz.
- Corrected: Unable to set TX power for 5GHz using APM (Central AP Management>>WLAN Profile).
- Corrected: The character “ used for Pre-Shared Key(PSK) on Wireless LAN>>Security would cause abnormal page display.
- Corrected: The user accessed into USB disk connected to Vigor router through FTP server. While reading the data, if the user unplugged the USB disk, it would result in a system reboot.
- Improved: Support an easier way to clear space on USB drive by System Maintenance>>SysLog / Mail Alert Setup.
- After clicking Disconnect button in USB Application>>USB Device Status and unplugging USB disk, the router could not access USB disk if the USB disk inserted again.
- Corrected: UBDDNS didn't work.
- Corrected: In Applications >> Dynamic DNS Setup, “freedns.afraid.org” did not work. And the message of "Send HTTP request error" would be shown on the DDNS log.
- Corrected: Unable to get the domain name after registering and activating the DrayDDNS license.
- Corrected: Unable to show log of DtDNS in Applications>>Dynamic DNS Setup.
- Corrected: WAN PPP IPv6 did not work after upgrading firmware from 3.8.4.5/6 to 3.8.5/1.

- Corrected: Port redirection configured via telnet took no effect until disabling and then enabling it.
- Corrected: NAT Port Redirection rule with TCP protocol could not be enabled (yet, UDP protocol could).
- Corrected: Vigor router sent strange DNS query when Syslog / Mail Alert was enabled.
- Corrected: Session limit blocked dial-in VPN users.
- Corrected: DHCP relay did not work for VPN dial-in User.
- Improved: Display the characters input limitation (for username, password, pre-shared key, and etc.) on web user interface.
- Corrected: The enabled Allow Management option for IPv4 would enable the option for IPv6 automatically.
- Corrected: Traffic for the LAN Ports without host connected still counted.
- Corrected: Vigor router ignored the flag of “Don't fragment” in IP header.
- Corrected: Could not register Avaya phone [H.323] to IPPBX server through router's NAT.
- Improved: Add "Next" and "Previous" links on each object profile editing page. Allow selecting multiple objects when configuring the object group.
- Corrected: WAN2 could not obtain the IP due to the DHCP broadcast packets from LAN client were sent out of the WAN2.
- Improved: Support to choose schedule setting profile by drop-down menu.
- Improved: Apply QoS VoIP function to routing subnet.
- Corrected: The dashboard overview showed wrong DHCP status.
- Corrected: Internal wireless client could not ping to the wired client in same VLAN with tag.
- Corrected: Unable to authenticate incoming RDP traffic by User-Based firewall.
- Corrected: Unable to limit the bandwidth speed in Bandwidth Management>>Quality of Service>>WAN1 General Setup.
- Corrected: QoS LED on router's front panel kept lighting up after enabling and then disable QoS.
- Improved: Remove the reboot mechanism after enabling/disabling the Internal Radius Server in the Applications>>RADIUS/TACACS+>>Internal Radius Server.
- Improved: Remove the reboot mechanism after configuring the Authentication List in the Applications>>RADIUS/TACACS+>>Internal Radius Server.
- Improved: Remove the asterisk mark (\*) besides the options in WAN >> Internet Access >> Details Page.
- Corrected: Domain extension [ddns.net] disappeared from no-ip.com.
- Corrected: VPN remote dial-in user could not access Internet if Hardware Acceleration was enabled.
- Corrected: IPv6 packet was blocked even if IP filter was set to pass it.

- Corrected: The behavior of Bind IP to MAC enable toggle switch on router's WUI could not be displayed correctly in VigorACS 2.
- Improved: Support to display "Host ID / Comment" or "Comment / Host ID" in the Interface field on Dashboard.
- Improved: The User Management >>User Online Status page will display only the login event for online users.
- Improved: Add a new service provider selection, EntryDNS (entrydns.net) for DDNS (Applications>>Dynamic DNS).
- Corrected: Typo in the Routing>>Load-Balance/Route Policy.
- Corrected: NAT did not work after pressing OK button on Port Redirection page.
- Improved: Pop-up a warning message, "The UDP Limited\_bandwidth Ratio can not exceed 100%" while QoS UDP Limit Bandwidth Ratio is not enabled.
- Corrected: Bind IP to MAC did not allow setting up more than 300 entries.
- Improve: Increase the total number of characters used in Terms and Conditions Content field of Hotspot Web Portal.
- Corrected: Firewall did not work with schedule profile well.
- Corrected: Idle timeout in remote dial-in user did not work on SSL VPN.
- Corrected: ARP Table displayed comments for IP x.x.x.10 and IP x.x.x.101 wrongly (IP Bind MAC Enabled).
- Improved: Make the behavior for "CN" and "cn" (set as Common Name Identifier) for LDAP be the same.
- Corrected: No PPPoE status message in Online Status >> Physical Connection.
- Improved: Add Host Name and Accounting options on Applications >> RADIUS/TACACS+ >> External RADIUS.
- Improved: Remove the telnet command, 'bpa'.
- Improved: Separate IPv4 and IPv6 internet access control for IPv4 and IPv6 on System Maintenance>>Management.
- Corrected: Wrong WAN type displayed under WAN>>Multi-VLAN.
- Corrected: Unable to display the WAN2 LED on the dashboard if WAN2 was connected physically.
- Improved: The first priority for VoIP SIP/RTP in QoS can work for VPN.

## Known Issue

- None.

## Notes

- None.