

## Release Note for Vigor2862 Series

Firmware Version:	3.8.9
Release Type:	Normal
Applied Models:	Vigor2862 / Vigor2862n / Vigor2862ac / Vigor2862Vac / Vigor2862L / Vigor2862Ln / Vigor2862Lac

Vigor2862 series is a VDSL2 router with multi-subnet for secure and efficient workgroup management. It integrates IP layer QoS, NAT session/bandwidth management to help users control works well with large bandwidth. Besides, “n” and “ac” series have built-in Wireless LAN for wireless connection.

### New Features

- Support VigorACS 2 (firmware version:2.3.0).
- Support DrayOS IKEv1 IPsec XAuth for the security of network connection.
- Add AP-assisted Client Roaming settings on Central Management>>AP>>WLAN Profile.
- Support SMS One Time Password (OTP) for VPN / Remote Management (2FA, two factor authentication).
- Support Full Bridge mode for WAN connection.

### 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: Support to enable/disable Anti-Spoofing function on Firewall>>General Setup.
- 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: Add a sub telnet command related to “mngt” to change timeout setting.
- 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: Bandwidth Limit Improvement (combining to QoS).
- 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: The teleworker got an IP from external DHCP on DrayOS.
- 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.

## File and Modem Code

For DSL models, there will be three folders: STD, MDM1 and MDM2. The files in MDM1 and MDM2 named folder include different modem codes. If you're using a VDSL line, MDM1 and MDM2 named firmware may bring out better performance. Available modem codes for Annex A/Annex B are displayed as follows:

### For Annex A Model,

- "Vigor2862\_3.8.9\_STD\_en.zip" is used for modem code 776d07\_772801\*, 774307\_771801\*
- "Vigor2862\_3.8.9\_MDM1\_en.zip" is used for modem code 779517\_773F01\*, 77B507\_775401\* (recommended for Australia)
- "Vigor2862\_3.8.9\_MDM2\_en.zip" is used for modem code 77B506\_775401, 778C06\_773F01

\* stands for vectoring modem code

### **For Annex B Model,**

- "Vigor2862\_3.8.9\_STD\_en.zip" is used for modem code 773306\_771502, 773307\_771C02\*
- "Vigor2862\_3.8.9\_MDM1\_en.zip" is used for modem code 779B06\_774F02, 779B07\_774C12\*
- "Vigor2862\_3.8.9\_MDM2\_en.zip" is used for modem code 779906\_774402, 779B06\_774C02

\* stands for vectoring modem code

## **Known Issue**

- None.