

## Release Note for VigorC510 Series

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|-------------------|--|
| Firmware Version: | 5.3.6  |
| Release Type:     | Regular – Upgrade recommended when convenient, as it includes general improvements and optimizations |
| Applied Models:   | VigorC510, VigorC510ax   |

The VigorC510 series is a 5G NR WAN router equipped with four 1Gbps LAN ports. It features an advanced bandwidth control mechanism, including IP-layer control, QoS, NAT session limitation, and bandwidth borrowing, to enable easy, flexible, and reliable access control and bandwidth management.

### New Features

- Support Packet Capture.
- Support Port Knocking for VPN.
- Support IPv6 for DrayDDNS service.
- Support Backup/Restore for Bind IP to MAC.
- Support country object for the route policy.
- Support L2TP/IPsec VPN for Remote Dial-In users.
- Add a link of "Open with Port Knocking Tool" to WUI.
- Add a new selection, VPN, for ACS Server On in System Maintenance>>Management>>TR-069.

### Improvement

#### Firewall & Security

- Improved: Add "License" as the Filter Type in Monitoring>>Log Center.
- Improved: Move "QoS Setup" note to the top of the web page for UI consistency.
- Improved: Add a warning message about WCF on Syslog when there is no internet access.
- Improved: Increase the number of Keyword Objects used as Keyword Exception in the Content Filter.
- Improved: The IP Objects within an IP Group can be displayed in firewall filter rules and NAT port forwarding rules.
- Improved: Display the Current WAN speed status and modify the notes and port number used for UDP Flood Protection.

#### VPN

- Improved: Improvements for route of WireGuard VPN.
- Improved: Update notes of Local ID / Peer ID for IKE Identifier.

#### System & Network

- Improved: Remove mOTP.
- Improved: Unify Brute Force Protection wording/name in WUI.
- Improved: Change default subnet mask values for IPv4 Static Route.

- Improved: Display more details in the restore configuration error message.
- Improved: Change wording for some words in Utility>> Network Tools>>iPerf.
- Improved: Support some special characters (e.g., ' = + , ) for PPPoE password.
- Improved: Change wording from "Build in" to "Built-in" on "SMB Client Support List".
- Improved: Change wording from "Allow Notifications" to "Send Firmware Notifications".
- Improved: Add the OSPFv2/RIP words as titles in Configuration>> OSPF >>General Setup.
- Improved: Add a note reminding user to change the priority order by CLI command in Configuration >> NAT >> DMZ Host.

#### **VPN & Remote Access**

- Corrected: An issue with failure to open VPN 2FA authentication page.
- Corrected: An issue that OpenVPN Config Generated with incorrect OpenVPN ports.
- Corrected: An issue that VPN Teleworker subnet accessed other LAN subnets unexpectedly.
- Corrected: An issue that LAN DNS Forwarding from a Teleworker VPN user failed to connect to Vigor router.
- Corrected: An issue with failure to send PIN via SMS over VPN (SMS GW over VPN Site-to-Site) for HotSpot Web Portal.
- Corrected: An issue with missing "Last Login at" and "Last Login IP" information for Teleworker VPN (IAM User) disappears after router reboot.

#### **WAN / LTE**

- Corrected: An issue with missing "Cellular WAN Bridge mode" and "Cellular WAN SMS" information.
- Corrected: An issue with the failure of fiber WAN connectivity on the Dutch Deltafiber AON FTTH Network.
- Corrected: An issue with none of WAN Connection Detection Mode appeared while using PPPoE connection type.

#### **WiFi**

- Improved: Adjust 5G channel list for Malaysia.
- Improved: Display the Auth Mode for WPA3 Enterprise for 802.11r.
- Corrected: An issue that the certificate seen by the wireless client during 802.1X connection was not the one specified in Internal RADIUS.

#### **System, WebUI & Management**

- Improved: Add a new dongle, QLD310, to the modem support list.
- Corrected: Issues related to WebUI Language.
- Corrected: An issue that "Upgrade Now" failed to work.
- Corrected: An issue with missing Port List in IP Reputation Filters.
- Corrected: An issue that the Content Filter APPE failed to block Facebook APP.
- Corrected: An issue with WebUI became unresponsive after ACS provisioning.
- Corrected: An issue that the DHCP Server did not handle unicast DHCP requests.
- Corrected: An issue that that the BLF (Busy Lamp Field) status kept blinking after group call Pickup and Hang-Up.
- Corrected: An issue that the Vigor router would close the network connection after one minute even if Web CLI was still used.

## TR-069 & ACS:

- Corrected: An issue with failure to upload common UI file to VigorACS.

## Note

- To prevent potential errors after the firmware upgrade, if you are currently using version 5.3.0 or 5.3.1.1, please upgrade to 5.3.2.1 first before proceeding to later versions.
- Please ensure that you use the ".rst" firmware file when recovering the router. Note that uploading the ".rst" file will reset the router to factory default settings.

For certain models, a separate ".rst" (reset) firmware file may not be provided. If the ".rst" version is not available, please manually rename the file extension of the ".all" or ".sfw" firmware file to ".rst" to create an equivalent RST firmware file.

Example:

Rename Vigorxxx\_1.2.3.4.sfw → Vigorxxx\_1.2.3.4.rst

Please ensure you back up your configuration before applying a ".rst" firmware, as all settings will be erased during the process.

- The Vigor router system now offers automatic firmware upgrade feature (optionally, default is disabled), making it convenient for users to stay updated on crucial firmware changes, security issues, and significant bugs that necessitate immediate firmware update. With this feature, there is no need to download the latest firmware version yourself. The Vigor system will automatically detect the latest release, download it, and upgrade the router. This option is particularly beneficial for addressing critical security issues and fixing major bugs.

## Known Issue

- None.