

Release Note for VigorC510 Series

Firmware Version:	5.4.4.2
Release Type:	Important – Review release notes and upgrade if the changes affect your system stability, performance, or security
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

- None.

Improvement

- Improved: Strengthened Linux kernel security to mitigate CVE-2024-36971, CVE-2021-22600, CVE-2022-2586, CVE-2022-0492, CVE-2022-0185, CVE-2024-50302, CVE-2025-38352, CVE-2021-0920 and CVE-2020-0466.
- Improved: Enhanced security by addressing the privilege escalation issue in the GNU C Library known as "Looney Tunables" (CVE-2023-4911).
- Improved: Enhanced security by addressing an IPv6 AH (Authentication Header) issue (CVE-2026-80844) and a PPPoE packet handling issue (CVE-2026-68121).
- Corrected: An issue where teleworker VPN users assigned an IP address from a LAN subnet other than LAN1 did not receive the 2FA pop-up and were disconnected after the 2FA timeout.

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 Vigorxxxx_1.2.3.4.sfw → Vigorxxxx_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.