

Release Notes for DrayTek Vigor2762 series (UK/Ireland)

Firmware Version	3.9.2_BT (Formal Release)
Release Type	Regular – Upgrade recommended when convenient
Build Date	26 th November 2019
Release Date	15 th January 2020
Revision	86755
Applicable Models	Vigor2762, Vigor2762n, Vigor2762ac, Vigor 2762Vac
VDSL Modem Code	779517
ADSL Modem Code	773F01
Locale	UK & Ireland Only

New Features

1. Support for DrayTek VPN Matcher service:
 - a. Helps VPN clients and routers connect to a DrayTek VPN router, which connects to the Internet through a firewall or additional NAT router without port forwarding, which would not otherwise be able to accept VPN connections
 - b. Suitable for usage with Cone NAT environments
 - c. Supports Dial-Out LAN to LAN and Remote Dial-In User VPN connections
 - d. Accessible from [VPN and Remote Access] > [VPN Matcher Setup]

Improvements

1. Improved Let's Encrypt certificate service interoperability with ACMEv2/ACME-DNS support
2. IKE Proposals can now be controlled as Basic/Medium/High modes:
 - a. Basic: DES/3DES/AES encryption, MD5/SHA1/SHA256 authentication, all DH groups
 - b. Medium: AES only, SHA1/SHA256 auth, G5/G14/G19/G20/G21 DH groups
 - c. High: AES only, SHA256 only, G14/G19/G20/G21 DH groups
 - d. Configured in [VPN and Remote Access] > [IPsec General Setup]
3. Resolved an issue with "srv nat portmap" CLI command
4. Internal VPN service memory management improvements
5. Improved handling of Fast Leave with IGMP Proxy when using multiple subnets / VLANs
6. [VoIP models only] Improved Call Barring for Unknown Domain calls
7. Some USB disks formatted with FAT16 could not be read by the router for USB Storage
8. In the Dynamic DNS menu, the error message 'WAN IP not present' could be displayed while checking the Internet IP address for DrayDDNS
9. Improved SSL VPN compatibility with Apple devices:
 - a. Self-Signed certificate's Valid To date is now 2 years from date of generation.
 - b. Regenerate the router's Self-Signed Certificate to meet the new trusted certificate requirements of Apple iOS 13 & macOS 10.15.
 - c. Longer Valid To periods can be specified by generating a Local Certificate and self-signing it with the router's internal Root CA.
10. Support for monitoring USB temperature sensor with SNMP OID .1.3.6.1.4.1.7367.1.1.0

Known Issues

(None)

Firmware File Types

The ZIP file contains the firmware with two different file extensions, .ALL and .RST. The firmware is identical but the RST file contains factory default settings. If you install the ALL file, your router will retain all existing settings. If you use the RST file, all settings will be wiped from your router.

Upgrade Instructions

It is recommended that you take a configuration backup prior to upgrading the firmware. This can be done from the router's system maintenance menu.

To upgrade firmware, select '*firmware upgrade*' from the router's system maintenance menu and select the correct file. Ensure that you select the ALL file unless you want to wipe out your router's settings back to factory default.



Manual Upgrade

If you cannot access the router's menu, you can put the router into 'TFTP' mode by holding the RESET whilst turning the unit on and then use the Firmware Utility. That will enable TFTP mode. TFTP mode is indicated by all LEDs flashing. This mode will also be automatically enabled by the router if there is a firmware/settings abnormality. Upgrading from the web interface is easier and recommended – this manual mode is only needed if the web interface is inaccessible.

Firmware Version	3.9.1_BT (Formal Release)
Release Type	Regular – Upgrade recommended when convenient
Build Date	24 th July 2019
Release Date	7 th August 2019
Revision	83568
Applicable Models	Vigor2762, Vigor2762n, Vigor2762ac, Vigor 2762Vac
VDSL Modem Code	779517
ADSL Modem Code	773F01
Locale	UK & Ireland Only

New Features

1. IP Groups can now be allowed as Source IPs for [NAT] > [Port Redirection] & [Open Ports]
2. [VoIP models only] Support for SIP Alias numbers
3. Service activation status can now be verified from [MyVigor Services] > [Service Status]
4. Menu Search bar added

Improvements

1. Improved NAT throughput when the Firewall's Data Filter is disabled on the router
2. Improved layout of [Wireless LAN] > [General Setup] configuration page
3. Improvements to handling of IGMP Relay
4. Improved interoperability with OpenVPN client and some certificate configurations
5. Improved handling of SSH sessions to the router's CLI that are terminated unexpectedly
6. VigorACS STUN server settings for [System Maintenance] > [TR-069] are automatically filled in from the ACS Server URL hostname/IP
7. User Defined DDNS profiles now permit an IP address as the Provider Host address
8. TCP port 1194 could not be used for NAT port forwarding with OpenVPN server disabled
9. Improved router's handling of EAP_PEAP/MSCHAPv2 authentication requests
10. VPN Remote Dial-In Users could not connect to the router when using a LAN to LAN VPN tunnel with "Change default route to this VPN tunnel" enabled
11. IKEv2 EAP VPN connection could not be established from Windows 10 when using a self-signed CA on the router
12. Some menu items in the web interface could not be displayed with a specific configuration file loaded on the router
13. A specific configuration of VigorACS TR-069 server settings could cause the router to become inaccessible
14. App Enforcement signatures could not be updated
15. Wireless LAN continued to broadcast when scheduling wireless to turn off at specified times
16. TR-069 parameter for [WAN1] > [PPPoE] > Fallback account added
17. CLI commands can now be issued through VigorACS with the "CLlcmd" TR-069 parameter in the VigorACS Parameter Tree

Known Issues

(None)

Firmware Version	3.9.0_BT (Formal Release)
Release Type	Regular – Upgrade recommended when convenient
Build Date	26 th December 2018
Release Date	22 nd January 2019
Revision	78873
Applicable Models	Vigor2762, Vigor2762n, Vigor2762ac, Vigor 2762Vac
VDSL Modem Code	779517
ADSL Modem Code	773F01
Locale	UK & Ireland Only

New Features

1. OpenVPN is now supported as a Remote Dial-in User VPN protocol.

Important Note: The router's OpenVPN server is automatically enabled on the router upon upgrade to 3.9.0 firmware, which listens on TCP & UDP ports 1194 by default and will take precedence over port forwarding to a LAN server using these ports.

This service and its listening ports can be configured from the [VPN and Remote Access] > [OpenVPN] menu, or disabled in [VPN and Remote Access] > [Remote Access Control]

2. Let's Encrypt certificate support added
3. Support for dial-out IPsec VPN with XAuth to Cisco EZ VPN Server
4. Added Brute Force Protection for router management interfaces to [System Maintenance] > [Management]

Improvements

1. Wireless LAN SSID is now displayed for each SSID in [Wireless LAN] > [Security] settings
2. USB Thermometer was not detected in some configurations
3. Added support for data compression of VigorAP management
4. Access List for management interfaces can now allow or block Pings for IPs not on the ACL
5. IPsec EAP option added to IKEv2 LAN to LAN VPN to use X.509 for authentication
6. Support NAT mode for IKEv2 LAN to LAN dial-out connection and IKEv2 NAT mode with EAP MSCHAPv2 authentication
7. SNMPv1 and SNMPv2 can now be enabled / disabled separately from SNMPv3 operation in [System Maintenance] > [SNMP]
8. Added TR-069 parameters for enabling/disabling [Data Flow Monitor] function
9. SNMP monitoring clients can now read out the CPU load and memory usage percentages as part of the router and firmware details in the sysDescr.0 (OID 1.3.6.1.2.1.1.1) value
10. The router's SSL VPN server port can now be set via the CLI command "mngt sslvpnport"
11. A configuration problem occurred when setting WAN2 to DHCP mode, which caused the router to restart with WAN2 connected
12. Disabling a port redirection from the summary view of [NAT] > [Port Redirection] rather than the profile entry itself did not disable the port forwarding entry
13. The "Block DNS" option in an APP Enforcement profile could be automatically enabled upon upgrade to 3.8.9.x firmware, resulting in App Enforcement blocking DNS unintentionally

14. When selecting Internet IP in Determine WAN IP, DrayDDNS did not update with correct IP, or an error message of “WAN IP not present” appeared
15. LAN VLAN Tags were not correctly handled with IPv4 Fragmented Packets
16. Improved interoperability with Xbox One and UPnP / DMZ host
17. Vigor router ignored Don't Fragment flag in IP header
18. Custom local admin user account could not log in from WAN when “Admin Login from Internet” option is disabled
19. Improved PPPoE ISP interoperability by adding support for configurable PPP LCP Echo Request options
20. Improved DSL bandwidth auto detection for Quality of Service
21. Improved Quality of Service functionality with high speed WAN connections
22. Router did not restart to apply parameter changes made with VigorACS CPE set parameters
23. SMS alerts could not be sent when using TextMarketer SMS
24. Added SMS One Time Password (OTP) for Remote Management two-factor authentication
25. When WAN3 was selected as failover WAN, the ADSL modem code 77B507 set for WAN1 would revert to 779517
26. Multiple alert mails could be sent for the same reboot event with Debug Log enabled in [System Maintenance] > [Syslog/Mail Alert Setup]
27. A warning is now displayed when all TLS & SSL ciphers are disabled for HTTPS management
28. Auto configuration backup to USB did not work correctly

Known Issues

1. See New Features entry #1 for notes on OpenVPN's impact on Port Redirections for TCP/UDP port 1194

Firmware Version	3.8.9.2_BT (Formal Release)
Release Type	Regular – Upgrade recommended when convenient
Build Date	30 th July 2018
Release Date	22 nd August 2018
Revision	75607
Applicable Models	Vigor2762, Vigor2762n, Vigor2762ac, Vigor 2762Vac
VDSL Modem Code	779517
ADSL Modem Code	773F01
Locale	UK & Ireland Only

New Features

(None)

Improvements

1. Quality of Service did not display WAN1 (ADSL or VDSL) sync speeds in f/w 3.8.9 & 3.8.9.1
2. Web interface could not be accessed via HTTPS from in some network environments
3. A new Self-signed certificate could not be generated from [System Maintenance] > [Self-Signed Certificate] > Regenerate
4. NAT loopback could not operate with port forwards configured using ports 768 to 1023
5. Improved VDSL interoperability
6. Entering a speech mark character i.e. “ in the Pre-Shared Key for wireless SSID 2, 3 or 4 would result in the wireless security settings for SSID 2, 3 and 4 being inaccessible from the web interface
7. Dashboard information for Bind IP to MAC and View ARP Cache table were sometimes not displayed after the Dashboard updated

Known Issues

(None)

Firmware Version	3.8.9.1_BT (Formal Release)
Release Type	Regular – Upgrade recommended when convenient Note: A previous firmware (3.8.8.2_BT) was a critical release . This f/w includes all changes/improvements that were in 3.8.8.2_BT.
Build Date	12 th June 2018
Release Date	20 th June 2018
Revision	74550
Applicable Models	Vigor2762, Vigor2762n, Vigor2762ac, Vigor 2762Vac
VDSL Modem Code	779517
ADSL Modem Code	773F01
Locale	UK & Ireland Only

Security Advisory

1. Check your DNS and DHCP settings on your router.

<https://www.draytek.co.uk/support/security-advisories/kb-advisory-csrf-and-dns-dhcp-web-attacks>

If you have a router supporting multiple LAN subnets, check settings for each subnet. Your DNS settings should be either blank, set to the correct DNS server addresses from your ISP or DNS server addresses of a server which you have deliberately set (e.g. Google 8.8.8.8). A known rogue DNS server is 38.134.121.95 - if you see that, your router has been changed.

New Features

1. Firewall Filter rules can now be linked to specified LAN and WAN interfaces by selecting a Direction then clicking Advanced and selecting the interfaces that the Filter rule will affect
2. Support DrayOS IKEv1 IPsec XAuth as a VPN protocol for Remote Dial-In User VPN tunnels
3. Configuration backup / restore is now available for Remote Dial-In User and LAN-to-LAN profiles to back up all VPN profiles configured, separately from the main router configuration file
4. Larger certificate files now supported in [Certificate Management] > [Local Certificate] making it possible to include additional certificates required to complete a certificate chain

Improvements

1. Fixed the App Enforcement profile issue in 3.8.9 firmware
2. Fixed the Web UI Issue if Bandwidth Limit and Data Flow Monitor were enabled in 3.8.9
3. Web UI could not be accessed via HTTPS after restoring a config file from the Vigor 2760 onto a Vigor 2762
4. Support for VigorACS 2 version 2.3.0
5. Layout of [WAN] > [Internet Access] > [Details Page] improved to group essential settings in the left pane, with additional / advanced options grouped in the right pane
6. Subnet Mask settings in the web interface now use a drop-down box for selection
7. The number of characters allowed in a text box, such as a username or password field, is now displayed in the web interface when no text is entered in that text box
8. Layout of [VPN and Remote Access] > [Connection Management] improved
9. Layout of [Bandwidth Management] > [Quality of Service] improved
10. DoS Defence moved to [Firewall] > [Defence Setup]

11. Anti-Spoofing Defence settings for IP and ARP spoofing added to [Firewall] > [Defence Setup]
12. Certificate import can now be performed via CLI using "mngt cert_import" command via URL
13. Added "IPv6 Address Random Allocation" option for DHCPv6 Server settings
14. Improved VLAN Tag Insertion layout for [WAN] > [General Setup] > [WAN1]
15. IKEv2 LAN to LAN VPN tunnels can specify these new Proposal options:
 - a. Diffie-Hellman (DH) Group 19 (256-bit Elliptic Curve)
 - b. Diffie-Hellman (DH) Group 20 (384-bit Elliptic Curve)
 - c. Diffie-Hellman (DH) Group 21 (512-bit Elliptic Curve)
16. The Router Name set in [System Maintenance] > [Management] can be used as L2TP Client's Host name
17. Central AP Management profiles now have options to configure AP-assisted Client Roaming parameters
18. Support Channel Width selection on [Central Management] > [AP] > [WLAN Profile]
19. When upgrading firmware, selecting a firmware file and clicking the "Preview" button will display details of the firmware selected
20. Improvements to WAN Budget scheduling
21. "mngt telnettimeout/sshtimeout" CLI commands added
22. Improved warning notifications given when disabling LAN ports, USB ports, LEDs and buttons in [System Maintenance] > [Panel Control]
23. The router could sent incorrect DNS queries if Syslog / Mail Alert was enabled
24. Schedule entries are now selected from a drop-down box with comments displayed
25. Improved handling of Firewall filter rules configured to operate on a schedule
26. Enabling Session Limit could block Internet connectivity for Remote Dial-In User VPN tunnel connections from VPN clients sending Internet traffic through the VPN tunnel
27. Enabling "Allow management from the Internet" option for IPv4 enabled IPv4 & IPv6
28. [Central AP Management] > [WLAN Profile] could not set TX Power for 5GHz WLAN
29. Improved compatibility with "freedns.afraid.org" and "UBDDNS" Dynamic DNS providers
30. Log information could not be displayed for DtDNS Dynamic DNS hostname updates
31. The Domain Name "ddns.net" could not be selected when using No-IP.com Dynamic DNS
32. Added support for EntryDDNS Dynamic DNS provider
33. TR-069 Packet Counters for LAN ports could still increment when the port was not in use
34. Multiple objects can now be selected configuring an object group
35. Added "Next" and "Previous" links on each object profile editing page
36. DHCP Broadcast packets from LAN clients could incorrectly be sent out through the WAN2 interface in some circumstances, affecting WAN2 connections using DHCP for IP allocation
37. Remote Dial-In User VPN connections could not access the Internet through the VPN tunnel if Hardware Acceleration was enabled on the router
38. Idle timeout value was not applied to Remote Dial-In User tunnels using SSL VPN
39. Resolved ARP Table Comments display issue

Known Issues

1. Currently detected WAN1 (ADSL or VDSL) throughput for Quality of Service is not displayed, instead displaying the default 100Mbps Up & 100Mbps Down. This is a display issue and does not affect the functionality of QoS

Firmware Version	3.8.9_BT (Not Released)
Build Date	29 th May 2018
Release Date	-
Revision	74142
Applicable Models	Vigor2762, Vigor2762n, Vigor2762ac
VDSL Modem Code	779517
ADSL Modem Code	773F01
Locale	UK & Ireland Only

Security Advisory

1. Check your DNS and DHCP settings on your router.

<https://www.draytek.co.uk/support/security-advisories/kb-advisory-csrf-and-dns-dhcp-web-attacks>

If you have a router supporting multiple LAN subnets, check settings for each subnet. Your DNS settings should be either blank, set to the correct DNS server addresses from your ISP or DNS server addresses of a server which you have deliberately set (e.g. Google 8.8.8.8). A known rogue DNS server is 38.134.121.95 - if you see that, your router has been changed.

New Features

(See Firmware 3.8.9.1)

Improvements

(See Firmware 3.8.9.1)

Known Issues

1. The router cannot be managed from the Web UI if Bandwidth Limit is enabled on the router. This will be corrected in the next firmware release.

Firmware Version	3.8.8.2_BT (Formal Release)
Release Type	Critical - Upgrade recommended immediately
Build Date	18 th May 2018
Release Date	18 th May 2018
Revision	73942
Applicable Models	Vigor2762, Vigor2762n, Vigor2762ac
VDSL Modem Code	779517
ADSL Modem Code	773F01
Locale	UK & Ireland Only

New Features

(None)

Improvements

1. This firmware includes improvements to harden the web interface against attacks. We have become aware of specific attacks against router, including DrayTek models where hackers have altered specific settings relating to your DNS servers and DHCP settings. You should urgently check those settings on your router. If they appear to have been tampered with, correct them and change your admin password and for any other config anomalies. Restore a config backup if you have one (from prior to the attack). We continue to investigate this issue but the first priority was to issue updated firmware.

Firmware Version	3.8.8_BT (Formal Release)
Release Type	Initial Release
Build Date	14 th February 2018
Release Date	11 th April 2018
Revision	72013
Applicable Models	Vigor2762, Vigor2762n, Vigor2762ac
VDSL Modem Code	779517
ADSL Modem Code	773F01
Locale	UK & Ireland Only

First Firmware Release for this model

New Features

(None)

Improvements

(None)

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