Release Notes for DrayTek Vigor 3910 (UK/Ireland)

Firmware Version	3.9.2.4 (Formal Release)
Release Type	**Regular** – Upgrade recommended when convenient
Build Date	8th October 2020
Release Date	3rd November 2020
Revision	1456_93809
Applicable Models	Vigor 3910
Locale	UK & Ireland Only

New Features

1. Support for BGP prepending

Improvements

1. LAN to LAN VPN profile improvements: "Enable PING to keep IPsec tunnel alive" option for all LAN subnets added
2. OpenVPN WUI error fixed
3. Corrected: rekey for IPsec XAuth connection
4. TX/RX display improvements for virtual WANs
5. Router did not respond to SNMP requests when SNMP Host IP subnet was larger than /32
6. In some conditions with High Availability, config sync could cause the secondary router to restart more frequently than necessary
7. Router's Mail Alert compatibility improved with Office365, Hotmail, and Outlook mail servers
8. VLANs 15 to 19 did not appeared properly on **[Central Management] > [Switch] > [Profile]**
9. Improved VoIP connections and Ping response time on WAN/LAN interfaces while VPN is established
10. The new firmware upgrade process required an additional reboot to update

Known Issues

1. Firmware downgrade affects Route Policy rule's "Failover" and "To" settings:
   If downgrading from 3.9.2.4 to firmware to 3.9.2.1 or earlier, take a backup of the router's configuration and make a note of the "To" and "Failover" settings for Route Policy rules configured on the router. These settings may be changed to incorrect values once the firmware has been downgraded. Verify the Route Policy configuration is correct after downgrading.

2. Firmware downgrade affects Bind IP to MAC:
   If downgrading from 3.9.2.4 to firmware to 3.9.1, take a backup of the Bind IP to MAC settings. These settings will be cleared during the downgrade process. The Bind IP to MAC configuration can then be imported back into the router.

Firmware File Types

The file name of the firmware controls which upgrade type is performed.

If the file name is unchanged (e.g. *xxxx*.**all**) then the upgrade will just upgrade the firmware, whereas renaming the firmware to a .**rst** extension will wipe all settings back to factory defaults when upgrading the firmware.

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 <u>unless</u> 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	3.9.2.3 (Formal Release)
Release Type	**Regular** – Upgrade recommended when convenient
Build Date	11th August 2020
Release Date	17th September 2020
Revision	1332_90943
Applicable Models	Vigor 3910
Locale	UK & Ireland Only

New Features

(none)

Improvements

1. Ports P1 and P2 support 1G_AN mode that can be selected in [Port Setup] section
2. The Router's self-signed certificate will change upon upgrade for compatibility with new browser certificate requirements.
   Starting from September 2020, many client OS & browsers will limit publicly trusted TLS server certificate lifetime to 398 days or less, and connections will be rejected if certificates exceed this. This firmware patch will automatically re-sign all self-signed certificate lifetimes to 395 days (was 2 years or longer in older versions)
3. Improved fragments/buffer handling mechanism
4. LAN to LAN IPsec VPN would drop in some circumstances
5. Improved stability of WAN connection
6. An issue of DHCP obtaining wrong gateway address

Known Issues

3. Firmware downgrade affects Route Policy rule's "Failover" and "To" settings:
   If downgrading from 3.9.2.2 to firmware to 3.9.2.1 or earlier, take a backup of the router's configuration and make a note of the "To" and "Failover" settings for Route Policy rules configured on the router. These settings may be changed to incorrect values once the firmware has been downgraded. Verify the Route Policy configuration is correct after downgrading.

4. Firmware downgrade affects Bind IP to MAC:
   If downgrading from 3.9.2.1 or 3.9.2.2 to firmware to 3.9.1, take a backup of the Bind IP to MAC settings. These settings will be cleared during the downgrade process. The Bind IP to MAC configuration can then be imported back into the router.

Firmware Version	3.9.2.2 (Formal Release)
Release Type	**Regular** – Upgrade recommended when convenient
Build Date	3rd June 2020
Release Date	25th June 2020
Revision	1332_90943
Applicable Models	Vigor 3910
Locale	UK & Ireland Only

New Features

(none)

Improvements

1. VPN connections can now be sorted in [VPN and Remote Access] > [Connection Management]
2. Improved handling of large DHCP packets
3. Resolved a socket issue that could affect connectivity when TR069/STUN DNS lookups failed
4. In some specific scenarios, some IPsec VPN tunnels could not pass traffic when many IPsec VPN tunnels were active
5. VPN connections from Windows IKEv2 EAP clients with static IP assignments could lose VPN network access after IPsec rekey
6. Web interface could sometimes display lower CPU usage than real CPU usage

Known Issues

1. Firmware downgrade affects Route Policy rule's "Failover" and "To" settings:
   If downgrading from 3.9.2.2 to firmware to 3.9.2.1 or earlier, take a backup of the router's configuration and make a note of the "To" and "Failover" settings for Route Policy rules configured on the router. These settings may be changed to incorrect values once the firmware has been downgraded. Verify the Route Policy configuration is correct after downgrading.

2. Firmware downgrade affects Bind IP to MAC:
   If downgrading from 3.9.2.1 or 3.9.2.2 to firmware to 3.9.1, take a backup of the Bind IP to MAC settings. These settings will be cleared during the downgrade process. The Bind IP to MAC configuration can then be imported back into the router.

Firmware Version	3.9.2.1 (Formal Release)
Release Type	**Regular** – Upgrade recommended when convenient
Build Date	10th April 2020
Release Date	17th April 2020
Revision	1330_89655
Applicable Models	Vigor 3910
Locale	UK & Ireland Only

New Features

1. Increased maximum number of sessions supported, up to 1 million. To adjust the settings, go to [System Maintenance] > [NAT Sessions] section.
2. Router can now be managed by VigorACS 2 (latest version)

Improvements

1. Improved mechanism for VPN connections

Known Issues

1. If you need to downgrade the firmware to 3.9.1, take a backup of the Bind IP to MAC settings

Firmware Version	3.9.2 (Formal Release)
Release Type	**Regular** – Upgrade recommended when convenient
Build Date	21st February 2020
Release Date	2nd March 2020
Revision	1300_88674
Applicable Models	Vigor 3910
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 LAN to LAN and Remote Dial-In User VPN connections
   d. Accessible from [VPN and Remote Access] > [VPN Matcher]
2. Support for interchangeable LAN/WAN interfaces
3. Added [Central Switch Management] > [Switch Management] to manage compatible VigorSwitches; up to 30 devices
4. Added [Central AP Management] > [AP Management] to manage compatible VigorAPs; up to 50 devices
5. Support added for LAN port mirror and WUI packet capture
6. Support for console menu under LAN

Improvements

1. Increased DHCP pool from 1021 up to 4K
2. Improved PPTP acceleration up to 320Mbps
3. Improved SSL VPN acceleration up to 1.6Gbps
4. Improved VPN Trunk (GRE over IPsec) acceleration
5. Mail Alert function now supports StartTLS
6. Added APP QoS for Bandwidth Management

Known Issues

(None)

Firmware Version	3.9.1.3 (Formal Release)
Release Type	**Regular** – Upgrade recommended when convenient
Build Date	6th February 2020
Release Date	14th February 2020
Revision	1286_88265
Applicable Models	Vigor 3910
Locale	UK & Ireland Only

New Features

(None)

Improvements

1. WAN port status mechanism improved
2. Handling of incorrect router configuration improved
3. Dial-in IPSec Aggressive VPN connection could not reconnect after a reboot
4. SSL VPN LAN to LAN did not forward packets with MTU 1395-1400
5. Improved MSS (Maximum Segment Size) for SSL VPN
6. Improved management of Hardware Accelerated sessions when WAN disconnects

Known Issues

(None)

Firmware Version	3.9.1.2 (Initial Release Firmware)
Release Type	**Initial Release**
Build Date	4th December 2019
Release Date	11th December 2019
Revision	1217_87018
Applicable Models	Vigor 3910
Locale	UK & Ireland Only

First Firmware Release for this model

New Features

(None)

Improvements

(None)

Known Issues

(None)

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