

Release Notes for DrayTek Vigor 2760 series (UK/Ireland)

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|-------------------|---|
| 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 | 73957 |
| Applicable Models | Vigor2760, 2760n, 2760Vn |
| ADSL Modem Code | 572801 Annex A |
| VDSL Modem Code | 576D17 BT |
| 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.

Known Issues

None

IMPORTANT NOTE – DrayOS & Linux Firmware Versions

This firmware version is only suitable for Vigor 2760 Series units which are already running DrayOS ('Delight') firmware, which is firmware 3.5.7 or later. For more information see the UK Knowledgebase article here:

<http://www.draytek.co.uk/support/guides/os-versions-on-vigor-2760-series-routers>

If you have a unit with firmware 1.x.x, please download firmware for that O/S instead. Firmwares are not compatible with each other.

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.

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|-------------------|--|
| Firmware Version | 3.8.7_BT (Formal Release) |
| Release Type | Regular – Upgrade recommended when convenient |
| Build Date | 12 th January 2018 |
| Release Date | 24 th January 2018 |
| Revision | 71067 |
| Applicable Models | Vigor2760, 2760n, 2760Vn |
| ADSL Modem Code | 572801 Annex A |
| VDSL Modem Code | 576D17 BT |
| Locale | UK & Ireland Only |

New Features

1. EAPOL Key Retry Enable/Disable setting added to [Wireless LAN (2.4GHz/5GHz)] > [Security]
Disabling this setting can prevent WPA2 Key Reinstallation Attack (KRACK) attack vectors, for more details please read this security advisory:
<https://www.draytek.co.uk/information/our-technology/wpa2-krack-vulnerability>
(EAPOL Key Retry is set to Enabled by default and in previous firmware)
2. DrayDDNS (DrayTek Dynamic DNS) support added in [Applications] > [Dynamic DNS]
3. Support for IPsec IKEv2 for LAN to LAN tunnels and Remote Dial-in User VPN clients that support Pre-Shared-Key authentication
4. Added [NAT] > [ALG] menu to configure the router's SIP & RTSP ALG (Application Layer Gateway) functionality
5. Firewall filtering can now be tested through the web interface from [Firewall] > [Diagnostics]
6. DNS Filter Local Setting, which performs content filtering on DNS queries to the router's IP address, now supports a whitelist / blacklist of IP addresses/IP groups to control access to the router's DNS server
7. Firewall configuration can be backed up & restored from [Firewall] > [General Setup]
8. Auto backup router configuration to USB Storage either periodically or upon setting change
9. Schedule entries can now operate on a set date each month, or daily cycle (max 30 days)
10. SNMP Server access from the Internet can be toggled from Internet Access Control in [System Maintenance] > [Management]
11. LAN Access Control can now disable management interface(s) for LAN1
12. Send debug log via email, configured from [System Maintenance] > [Syslog / Mail Alert]
13. Certificate import can now be performed via CLI using "mngt cert_import" command via URL
14. VoIP models only – [VoIP] > [Diagnostics] menu added for troubleshooting of Caller ID & Dial Tone issues
15. Bandwidth and Session limit now supports IPv6

Improvements

1. TR-069 (UDP 8069) Internet *access control* now controlled by Access List
2. The Strict Bind setting in [LAN] > [Bind IP to MAC] can now be applied only to selected LAN subnets / VLANs instead of all LAN interfaces when enabled
3. Support for console output to telnet via "sys con2tel" command
4. Support for RIP over PPPoE to improve interoperability with some ISPs

5. When a wireless client attempts to authenticate with the router's wireless network, syslog will now send messages for WPA2's 4-way handshake, to allow for troubleshooting of the new "EAPOL Key Retries" setting
6. DNS Filter Administration message could not be displayed after changing HTTP / HTTPS management ports from their default values
7. Ping Diagnostics could give incorrect results under some circumstances
8. Improved LDAP server interoperability when authenticating L2TP with IPsec connections
9. Ports forwarded in [NAT] > [Open Ports] could stop working with some conditions
10. DDNS Syslog information could report WAN status incorrectly
11. SSL VPN connections from Android 7 devices could not be established when the client had enabled the "Enable server certificate authentication" option
12. Ports forwarded using [NAT] > [Open Ports / Port Redirection / DMZ Host] could not be forwarded when Session Limit was enabled
13. Incorrect information could be displayed in [Diagnostics] > [Data Flow Monitor] when an L2TP over IPsec VPN connection is active
14. Firmware could only be upgraded through Firmware Upgrade Utility 3.6.6 when router was manually put into TFTP mode
15. VoIP models only – Outbound SIP calls could disconnect after 20 seconds with X2Com ITSP

Known Issues

(None)

| | |
|-------------------|--|
| Firmware Version | 3.8.2.3_BT (Formal Release) |
| Release Type | Regular – Upgrade recommended when convenient Note: A previous firmware (3.8.2.2BT) was a critical release . This f/w includes all changes/improvements that were in 3.8.2.2BT. |
| Build Date | 4 th July 2017 |
| Release Date | 2 nd August 2017 |
| Revision | 66630 |
| Applicable Models | Vigor2760, 2760n, 2760Vn |
| ADSL Modem Code | 572801 Annex A |
| VDSL Modem Code | 576D17 BT |
| Locale | UK & Ireland Only |

New Features

1. Support for extra TR-069 parameters

Improvements

1. Resolved an issue with Hardware Acceleration that could cause problems with web browsing & TCP session handling
2. Added options in [System Maintenance] > [Management] to enable/disable HTTPS management via TLS 1.0, TLS 1.1 and TLS 1.2
3. Improved “vpn option” telnet command to specify WAN interface to connect through when configuring a Dial-Out VPN tunnel
4. Resolved an issue with NAT loopback when using [NAT] > [DMZ Host]
5. [Diagnostics] > [Ping Diagnosis] displayed output incorrectly when pinging through a VPN tunnel
6. LAN clients can no longer access the router management interface(s) outside of their own VLAN

Known Issues

(None)

| | |
|-------------------|---|
| Firmware Version | 3.8.2.2BT (Formal Release) |
| Release Type | Critical – Upgrade recommended immediately |
| Build Date | 7 th December 2016 |
| Release Date | 11 th January 2017 |
| Revision | 61082 |
| Applicable Models | Vigor2760, 2760n, 2760Vn |
| ADSL Modem Code | 572801 Annex A |
| VDSL Modem Code | 576D17 BT |
| Locale | UK & Ireland Only |

New Features in this Firmware

(None)

Improvements in this firmware

1. Security improvements including one or more considered critical.

Known Issues

1. On VDSL, if experiencing delays in web browsing then disable H/W Acceleration via [Hardware Acceleration] > [Setup].
This will not impact the throughput performance.

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|-------------------|-----------------------------|
| Firmware Version | 3.8.2.1_BT (Formal Release) |
| Build Date | 12th September 2016 |
| Release Date | 26th October 2016 |
| Applicable Models | Vigor2760, 2760n, 2760Vn |
| Modem Code | VDSL 576D17 / ADSL 572801 |
| Locale | UK Only |

New Features

1. Support for SSL VPN Remote Dial-In-User connections (up to 2 simultaneous tunnels)
2. [Wireless LAN] SSIDs now support individual Schedules
3. Router's SSH command line interface now supports RSA-based key exchange to improve client compatibility
4. Certificates generated by the router now support 2048-bit Key Size

Improvements

1. TCP/IP SYN+FIN packet filtering improved
2. Web Portal Message page can now require the user to click a button to proceed to internet access
3. DrayTek SMB client (for USB storage attached to the router) improved to support "Windows 10" and "Ubuntu 14.04" clients
4. Web interface improved to protect against Cross-Site-Request-Forgery attacks
5. Bridge mode (pass-through) for WAN1 VDSL did not work correctly when VLAN tag was enabled on the WAN interface
6. Bridge mode (pass-through) for WAN1 ADSL did not work correctly
7. PPPoE pass-through mode for WAN1 VDSL did not work correctly

Known Issue

1. On VDSL, if experiencing delays in web browsing then disable H/W Acceleration via [Hardware Acceleration] > [Setup]. This will not impact the throughput performance.

| | |
|-------------------|---------------------------|
| Firmware Version | 3.8.1 (Formal Release) |
| Build Date | 2nd November 2015 |
| Release Date | 4th December 2015 |
| Applicable Models | Vigor2760, 2760n, 2760Vn |
| Modem Code | VDSL 574307 / ADSL 571801 |
| Locale | UK Only |

New Features

1. Support for RFC4638 for MTU of 1500 on PPPoE WAN interface
2. Path MTU detection added to simplify correct MTU detection
3. WAN1 PPPoE/PPPoA now supports Fallback account, used if the primary details are unable to establish a working connection
4. WAN Connection Detection - Ping Detect now supports Primary/Secondary Ping IP, Interval & Retry parameters
5. Multi-WAN & Multi-LAN IPv6 now supported
6. DrayTek SMB protocol stack
7. [System Maintenance] > [Management] now support Captcha validation for Internet / LAN access to router Login page
8. URL Content Filter Profiles now have Exception List option
9. LAN DNS entries now support CNAME (Domain Alias)
10. DNS Filter now links to firewall, can be applied from [Firewall] > [General Setup] Default Rule or via a filter rule
11. Support Multi-WAN backup
12. Support SMB File Sharing of connected USB storage
13. Support TLS 1.2

Improvements

1. [Web Portal] feature improvements
2. IGMP was not being encapsulated in PPPoE when using IPTV virtual WAN in routing mode
3. Improvements to the telnet command "srv nat openport"

Known Issue

1. On VDSL, if experiencing delays in web browsing then disable H/W Acceleration via [Hardware Acceleration] > [Setup]. This will not impact the throughput performance.

| | |
|-------------------|---------------------------|
| Firmware Version | 3.7.8.2 (Formal Release) |
| Build Date | 20th May 2015 |
| Release Date | 20th June 2015 |
| Applicable Models | Vigor2760, 2760n, 2760Vn |
| Modem Code | VDSL 574307 / ADSL 571801 |
| Locale | UK Only |

New Features

1. Support for G.INP (G.998.4 TX and RX retransmission, requires 574307 modem code).
2. Vectoring (using modem code 574307).

Improvements

1. Updated wireless default profile parameters to comply with EN300328 certification.
2. Improved router's SYN attack protection.
3. Using PPPoE with WAN1 would not work if the VLAN tag was set as "2".
4. Disabled insecure renegotiation on SSL.
5. Improved the telnet command 'object sms'.
6. Improved the telnet command 'show dns' to support Multi-LAN subnets.

Known Issue

1. On VDSL, if experiencing delays in web browsing then disable H/W Acceleration via [Hardware Acceleration] > [Setup]. This will not impact the throughput performance.

| | |
|-------------------|--------------------------|
| Firmware Version | 3.7.8 (Formal Release) |
| Build Date | 29th December 2014 |
| Release Date | 4th February 2015 |
| Applicable Models | Vigor2760, 2760n, 2760Vn |
| Locale | UK Only |

New Features

1. Added the DNS filter object in [Firewall]-[General Setup] which allows the DNS filter to be applied using filter rules. DNS filter can now use either URL or WCF filter profiles.
2. Configuration backup [System Maintenance]-[Configuration Backup] can be password protected

Improvements

1. SSL3 now disabled in favour of TLS by default for web management.
2. Improvements to the [System Maintenance]-[SNMP] management settings.

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|-------------------|--------------------------|
| Firmware Version | 3.7.5.4 (Formal Release) |
| Build Date | 23rd September 2014 |
| Release Date | 1st October 2014 |
| Applicable Models | Vigor2760, 2760n, 2760Vn |
| Locale | UK Only |

New Features

(None)

Improvements

1. Corrected VLAN Tag on WAN
2. Improvements to NAT for Sure Signal type devices

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|-------------------|--------------------------|
| Firmware Version | 3.7.5.2 (Formal Release) |
| Build Date | 18th June 2014 |
| Release Date | 26th June 2014 |
| Applicable Models | Vigor2760, 2760n, 2760Vn |
| Locale | UK Only |

New Features

(None)

Improvements

1. Updated OpenSSL for CVE-2014-0224 CCS
2. Improved: Support all telnet commands in WEB console GUI.
3. Support Huawei E3131, Huawei E3276 and ZTE MF823 USB dongles.
4. Support ping diagnostic TR069 parameter

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|-------------------|-----------------------------|
| Firmware Version | 3.7.5.1 (Formal Release) |
| Build Date | 24 th April 2014 |
| Release Date | 25th May 2014 |
| Applicable Models | Vigor 2760, 2760n, 2760Vn |
| Locale | UK / Ireland |

***** Must already have f/w 3.7.5 or later installed *****

None - This is the first issue of DrayOS firmware

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