

Release Notes for DrayTek Vigor2862 series (UK/Ireland)

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	Vigor2862, Vigor2862n, Vigor 2862Ln, Vigor2862ac, Vigor 2862Lac, Vigor 2862Vac
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

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

1. **Important Note – WAN2 Factory Default configuration:**

The WAN2/LAN5 port is set to operate as a LAN port by default.

To use the port as WAN2 it must be enabled in [WAN] > [General Setup] > [WAN2]

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.

Modem Codes

There are six firmware variants available for download.

Download Filename	Firmware Filename	Modem Code	
		VDSL	ADSL
v2862_3882_BT.zip	v2862_3882BT_779517.all	779517	773F01
v2862_3882_vector2.zip	v2862_3882_77B506.all	77B506	775401
v2862_3882_nonvector.zip	v2862_3882_776D07.all	776D07	772801

We recommend using firmware "v2862_3882BT_779F17.all" unless you have specific line issues.

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	3.8.8_BT (Formal Release)
Release Type	Regular – Upgrade recommended when convenient
Build Date	14 th February 2018
Release Date	8 th March 2018
Revision	72016
Applicable Models	Vigor2862, Vigor2862n, Vigor 2862Ln, Vigor2862ac, Vigor 2862Lac
VDSL Modem Code	779517
ADSL Modem Code	773F01
Locale	UK & Ireland Only

New Features

1. WAN2 (Ethernet) port can now operate as a LAN port when disabled in [WAN] > [General Setup] > [WAN2], for a total of 5 LAN ports, by selecting “No-Set as LAN” as the Enable option

Important Note – WAN2 Factory Default configuration:

The WAN2/LAN5 port is set to operate as a LAN port by default. To use the port as WAN2 it must be enabled in [WAN] > [General Setup] > [WAN2]

2. LAN ports, Wireless LAN button and Factory Reset button can now be enabled or disabled from [System Maintenance] > [Panel Control]
3. Router's status LEDs & port LEDs can be turned off or put into "LED Sleep Mode" when inactive, configured in [System Maintenance] > [Panel Control]
4. Wireless Pre-Shared Key can now be viewed when logged into the router's admin account. Click on the “*****” text to reveal the password currently in use
5. 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)

Improvements

1. Unicode text codes can now be used in Hotspot Web Portal bulletin text
2. "None" option for Syslog in CSM (UCF/WCF/DNSF) profile is no longer used
3. Default WAN Connection Detection mode for PPPoE/PPPoA connections is now named "PPP Detect" instead of "ARP Detect"
4. Automatic monthly reset of User Profile time/data quotas (with monthly schedule entry)
5. Central AP Management could not query AP status correctly with management VLAN tag configured
6. Syslog & SMTP Server fields in [System Maintenance] > [Syslog/Mail Alert Setup] now allow up to 63 characters for longer hostnames
7. Web Syslog in [Diagnostics] > [Syslog Explorer] can now be used when “Syslog Server” is not enabled or configured in [System Maintenance] > [Syslog / Mail Alert]

8. RIP entries in the routing table received across the LAN and associated with a WAN interface were cleared from the routing table after 3 minutes when the WAN interface was disconnected
9. Internet Explorer browser could not successfully upload logo images for Hotspot Web Portal
10. Setting changes to the telnet command "adsl automode" to control the "Multimode" setting for ADSL modulation, were not kept when restarting the router
11. The router's DSL modem could still sync using ADSL2+ Annex M after removing "AnnexM" from the "Multimode" ADSL modulation using "adsl automode"
12. The "IP Routed Subnet" option could not be enabled in [Bandwidth Management] > [Bandwidth Limit]
13. Bandwidth Limit's effect on LAN to LAN VPN tunnels is toggled on/off with the "IP Routed Subnet" option
14. Bandwidth Limit was not applied correctly when using IP Groups
15. Bandwidth Limit was not applied to VPN traffic correctly in some configurations
16. Corrected a display issue that could occur when configuring a LAN subnet with a Subnet Mask of 255.255.0.0
17. DHCPv6 could incorrectly assign multiple IPv6 addresses from other LAN subnets
18. MyVigor DrayDDNS service status could incorrectly be displayed in red after updating information
19. [NAT] > [Open Port] settings could not be saved if a UDP port was specified that conflicted with a TCP management port
20. LAN to LAN VPN tunnels configured using the "Ipssec VPN with the Same Subnets" option enabled could not be saved in some configurations
21. [LTE models only] An LTE WAN with an active VPN connection could drop the LTE WAN interface after 5 hours due to inactivity
22. Enabling Session Limit could stop NAT port forwarding (Open Ports / Port Redirection / DMZ) from operating correctly
23. Quick Start Wizard could incorrectly allow configuration of a blank administrator password
24. Remote dial-in user name (with RADIUS authentication) was not correctly displayed on VigorACS 2 server (on Dashboard >> VPN Overview).
25. Resolved connectivity issue with 1483 Routed LLC Mode ADSL connections
26. Improved DNS caching behaviour with Web Content Filtering and DNS Filtering enabled

Known Issues

(None)

Firmware Version	3.8.7_BT (Formal Release)
Release Type	Regular – Upgrade recommended when convenient
Build Date	20 th October 2017
Release Date	3 rd November 2017
Revision	69378
Applicable Models	Vigor2862, Vigor2862n, Vigor 2862Ln, Vigor2862ac
VDSL Modem Code	779517
ADSL Modem Code	773F01
Locale	UK & Ireland Only

New Features

(None)

Improvements

1. Improvements to Wireless WAN (WAN2) mode WPA2 security to protect against WPA2 Key Reinstallation Attack (KRACK), for more details please read this security advisory: <https://www.draytek.co.uk/information/our-technology/wpa2-krack-vulnerability>
2. BGP Router ID can now be set to a specified LAN / WAN IP address manually
3. Switch Management now supports management of the VigorSwitch P1280
4. Improved handling of WAN Alias IPs by sending an ARP request to the WAN Gateway upon first configuration
5. Improved session handling when using VPN Trunk in Weighted Round Robin mode
6. Improved DNS Security – Domain Diagnosis function to utilise the router's DNS Cache
7. Corrected handling of DNS query responses with DNS Security enabled on the router
8. Improved Firewall's Session limit handling of Fragmented UDP packets on a Routed LAN
9. Restarting the router (via WUI, CLI), would drop and restart PPP connection before the router rebooted
10. [Product Registration] link did not work when connected to EE's 4G network

Known Issues

(None)

Firmware Version	3.8.6_BT (Formal Release)
Release Type	Regular – Upgrade recommended when convenient
Build Date	21 st August 2017
Release Date	27 th October 2017
Revision	68071
Applicable Models	Vigor2862, Vigor2862n, Vigor2862ac
VDSL Modem Code	779517
ADSL Modem Code	773F01
Locale	UK & Ireland Only

New Features

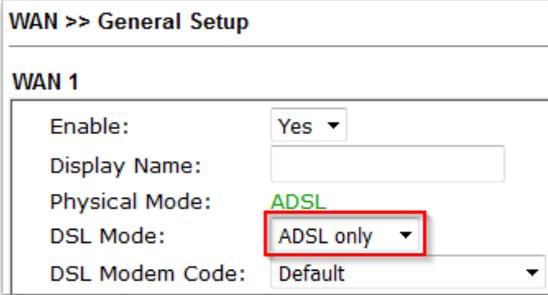
1. Support for extra TR-069 parameters
2. Support for Ethernet Bridge Mode on Ethernet WAN2
3. Added Users Information section to Hotspot Web Portal (requires USB storage to operate) to store details of users that have connected through the Hotspot Web Portal
4. Switch Management now supports Alert & Log, which stores and notifies of events such as port disconnections for connected VigorSwitches (requires USB storage to operate)

Improvements

1. Improved 5GHz wireless support
2. Improved support for integrated LTE models of the Vigor 2862 (i.e. Vigor 2862Ln)
3. Improved router's NTP update of current time on restart
4. Added "Enforce HTTPS Access" to router's HTTP management setting, which redirects management access over unencrypted HTTP to encrypted HTTPS
5. IPsec traffic was not passed correctly to a VPN server connected to a Routed LAN Subnet
6. Could not assign an IPv6 Static IP as an IPv6 WAN address using a prefix of /128
7. Firewall blocked large ICMPv6 packets incorrectly
8. A VLAN tag of 3 could not be specified on the WAN2 interface
9. Changing High Availability configuration to Hot Standby could cause unexpected behaviour from the WAN Config Sync settings
10. NAT loopback did not operate correctly when using [NAT] > [DMZ Host]
11. The router could respond to a port scan on TCP port 443 with the services that use TCP port 443 disabled (i.e. SSL VPN, HTTPS Management, DNS Filter)
12. Improved wording of Web Content Filter categories in web UI
13. When enabled DoS Defense could affect information displayed in [Online Status]
14. Improved Web Content Filtering algorithm to block Gmail when using the Chrome web browser with the Web Content Filter set to block "Web-based Mail" category
15. Improved App Enforcement algorithm for "Google Services" to block only Gmail and Google Drive
16. Route Policy Diagnostics would indicate an incorrect rule for Route Policies with a domain name specified as the destination
17. Improvements to handling of multiple subnets across a VPN tunnel, to avoid scenario where a VPN tunnel linking two DrayTek routers using LAN2 on each could result in traffic sometimes being forwarded to LAN1 subnet
18. WAN IP Alias addresses did not work correctly with ports opened in [NAT] > [Open Ports]

Known Issues

1. If experiencing an issue establishing an Internet connection on ADSL or ADSL2+ connections, set the WAN1 DSL Mode to “ADSL Only”



The screenshot shows the WAN >> General Setup configuration page for WAN 1. The settings are as follows:

WAN >> General Setup	
WAN 1	
Enable:	Yes
Display Name:	
Physical Mode:	ADSL
DSL Mode:	ADSL only
DSL Modem Code:	Default

2. Restoring a configuration from a Vigor 2860 is not possible with this firmware version. Upgrade to the 3.8.7 firmware to restore a configuration file from a Vigor 2860 router

Firmware Version	3.8.5_BT (Formal Release)
Release Type	Initial Release
Build Date	12 th May 2017
Release Date	12 th October 2017
Revision	65164
Applicable Models	Vigor2862, Vigor2862n, Vigor2862ac
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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