

Release Notes for DrayTek Vigor2865 series (UK/Ireland)

Firmware Version	4.4.2_BT (Formal Release)
Release Type	Regular – Upgrade recommended when convenient
Build Date	23 rd February 2023
Release Date	22 nd March 2023
Revision	4087_45783803c5
Applicable Models	Vigor2865, Vigor2865ac, Vigor2865ax, Vigor 2865Lac, Vigor2865Vac
VDSL Modem Code	8D1B17
ADSL Modem Code	8D0E11
Locale	UK & Ireland Only

New Features

1. TOTP 2-factor authentication (Google Authenticator) is now available for authenticating Remote Dial-In User VPN connections
2. The Vigor2865ax model can act as Mesh Root (With VigorAP 906 nodes only)

Improvements

1. The TR-069 traffic can be sent over IPv6
2. Support for AES-GCM algorithm for IPsec/L2TP Dial-In connections
3. Improved the mesh network stability
4. The PKC12 certificate chain files are now supported
5. Static route sessions can be processed by hardware acceleration
6. Increased number of characters to 128 characters for APM and SWM password length
7. Mesh Root TCP port 9608 could be detected on WAN when enabled
8. Dynamic DNS (DrayDDNS profiles) can be set in round robin or WANx First configuration
9. Wireless WAN can automatically switch to another channel
10. The default SSID name for 2.4GHz/5GHz bands has changed to the following syntax:
DrayTek-xxxxxx / DrayTek5G-xxxxxx
where "xxxxxx" are the last 6 digits of the product's MAC address
11. Routers could not connect to GenieACS servers
12. SNMP OID could not display VPN status
13. Improvements to the WPA Enterprise security mechanism
14. Fixed an issue where an incorrect DNS server would answer queries when the router was set as the DNS server
15. In some circumstances a policy route would stop working when hardware accelerated was enabled
16. When changing the IP address into 0.0.0.0/0 for the "Create a unique SA for each subnet(IPsec)" option (VPN profile #2), the configuration would not be saved properly
17. The firewall default rule would block the L2TP traffic (WAN to Localhost)
18. When OpenVPN default gateway option is disabled [VPN and Remote Access] > [OpenVPN] > [Client Config], Windows OpenVPN client could still send DNS requests via the VPN tunnel
19. Fixed an issue where only five Remote Dial-In User profiles could be restored if they were saved on other routers

20. OpenVPN Windows users could no access router's LAN (when using the WAN2 / LTE interface)
21. The TR-069 SDWAN data could not be displayed on the Vigor ACS server due to a wrong format of the Authorization URI in the Bulkdata packet (too many "/" characters)
22. The router would not display no response messages when a failed connection to the secondary TR-069 server occurred via WAN2 interface
23. IPsec HMAC (MD5) is no longer supported

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.

Modem Codes

There are five firmware variants available for download.

Download Filename	Firmware Filename	Modem Code	
		VDSL	ADSL
v2865_442_BT.zip	v2865_442BT_8D1B17.all	8D1B17	8D0E11
v2865_442_MDM0.zip	v2865_442_8B0F07.all	8B0F07	8B0701
v2865_442_MDM1.zip	v2865_442_8B1117.all	8B1117	8B0701
v2865_442_MDM2.zip	v2865_442_8D1917.all	8D1917	8D0C11
v2865_442_MDM3.zip	v2865_442_77C717.all	77C717	8D0C11

We recommend using firmware "v2865_442BT_8D1B17.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	4.4.1_BT (Formal Release)
Release Type	Regular – Upgrade recommended when convenient
Build Date	21 st June 2022
Release Date	28 th July 2022
Revision	3022_cb1ba35e8
Applicable Models	Vigor2865, Vigor2865ac, Vigor2865ax, Vigor 2865Lac, Vigor2865Vac
VDSL Modem Code	8D1B17
ADSL Modem Code	8D0E11
Locale	UK & Ireland Only

New Features

(None)

Improvements

1. Improved memory management mechanisms

Known Issues

(None)

Firmware Version	4.4.0_BT (Formal Release)
Release Type	Regular – Upgrade recommended when convenient
Build Date	12 th May 2022
Release Date	20 th June 2022
Revision	3019_f8fc132a7
Applicable Models	Vigor2865, Vigor2865ac, Vigor2865ax, Vigor 2865Lac, Vigor2865Vac
VDSL Modem Code	8D1B17
ADSL Modem Code	8D0E11
Locale	UK & Ireland Only

READ BEFORE UPGRADING!

This firmware alters the firewall behaviour.

The firewall is now able to block inbound requests to the routers management and services interfaces such as the Web UI and VPN Services. The firewall treats these as [WAN to LocalHost] for direction purposes.

If your [Firewall] > [General Setup] > Default Rule is set to Block, you must set it to Pass before upgrading the firmware.

If you want to set the default rule to block, then after upgrade, create pass rules with a direction to [WAN to LocalHost] so that the Web UI (typically TCP 443) is exempt by creating a Pass rule first. Other common services used by the router are:

HTTPS & SSL VPN	-	TCP 443
SSH	-	TCP 22
IPSEC	-	UDP 500
IPSEC NAT-traversal	-	UDP 4500

New Features

1. Firewall can restrict/drop unwanted inbound WAN traffic such as VPN requests. Use the new direction option **[WAN -> Localhost]** to apply
2. Router's DNS server feature can record one domain with multiple IP addresses
3. Support for Link Aggregation (LAG) for selected LAN ports
4. [Certificate Management] system now operates in a new way:
 - a) HTTPS certificate for management & SSL VPN is now selected from: [Certificate Management] > [Local Services List]
Reboot the router after changing this setting to use the new certificate
 - b) [Local Certificates] now supports more than 3 certificates
 - c) [Trusted CA Certificates] now supports more than 3 certificates
 - d) Storage for Certificate on each of those pages shows % remaining available space
 - e) Password on Private Key is no longer required when importing Cert + Private Key
5. Inbound QoS now supports Hardware Accelerated operation
6. Support for network monitoring protocol IPFIX (Netflow)
7. SNMP 'ifLastChange' is now supported for WAN and LAN port uptime (Physical port link up/down detection)

8. App-level Bandwidth Limits (e.g. Teams, OneDrive, Steam) can now be configured from [Bandwidth Management] > [Bandwidth Limit] > [APP]
9. Webhook feature can now be enabled in [System Maintenance] > [Webhook] to send periodic keepalive / heartbeat messages to a monitoring server
10. Cache password for auto reconnect option added on the [VPN and Remote Access] > [OpenVPN] > [Client Config] page
11. Wake on LAN via WAN can now be enabled/disabled for allowed IPs or any WAN IP from [Applications] > [Wake on LAN/WAN] – Wake on WAN tab

Improvements

1. Improved Web GUI Security
2. Updated HTTPS mechanism to address the CVE-2022-0778 (OpenSSL)
3. Support for IKEv2 fragmentation to improve IKEv2 EAP compatibility
4. Hardware Acceleration is enabled by default when router is reset or upgraded with .rst file
5. DNS Filter now supports blocking of DoH (DNS over HTTPS) and DoT (DNS over TLS) services to ensure that users use standard DNS, allowing the DNS Filter to operate optimally
6. Exception list added to [Hardware Acceleration]
7. Updated encryption mechanism for MyVigor server connections for license obtaining, network connecting, and registrations
8. Improved NAT performance for Hotspot Web Portal with asynchronous mode
9. When Brute Force Protection is disabled, service options are greyed out (ticked by default)
10. Syslog improvements for attempted OpenVPN connections
11. Function priority and default value change for DoS & Bandwidth Limit and HW NAT settings
12. In some circumstances Conditional DNS Forwarding did not work
13. Improved mesh network connectivity
14. Fixed a display issue with Basic Configuration Sync in the Mesh setup section
15. Self-sign certificate renewal mechanism improvements related to DrayDDNS Let's Encrypt
16. PPTP VPN users could not access router's WUI
17. In some circumstances Port Redirection did not work when Hardware Acceleration for NAT and 802.1Q priority for LAN were enabled
18. Disabling a static route could disable the default route entry
19. When default modem code was used, router would not connect to ADSL
20. After the firmware upgrade, router could stop responding if VoIP call, and VLAN configuration were in use
21. Self-signed certificate will now automatically regenerate before expiring
22. Some wireless clients could not reconnect to 2.4 and 5GHz
23. Customized List data information display issue fixed for [LAN] > [General Setup], DHCP Server Option section

Known Issues

(None)

Firmware Version	4.3.2.1_BT (Formal Release)
Release Type	Regular – Upgrade recommended when convenient
Build Date	25 th October 2021
Release Date	05 th November 2021
Revision	11161_2109_a730b4f5e1
Applicable Models	Vigor2865, Vigor2865ac, Vigor 2865Lac, Vigor2865Vac
VDSL Modem Code	8D1B17
ADSL Modem Code	8D0E11
Locale	UK & Ireland Only

New Features

(None)

Improvements

1. Self-signed certificate will automatically regenerate before expiration
2. System stability improvements
3. Hardware Acceleration did not work with WAN to LAN sessions in routing mode

Known Issues

(None)

Firmware Version	4.3.2_BT (Formal Release)
Release Type	Regular – Upgrade recommended when convenient
Build Date	22 nd June 2021
Release Date	30 th July 2021
Revision	8731_2104_b0731bb564
Applicable Models	Vigor2865, Vigor2865ac, Vigor 2865Lac, Vigor2865Vac
VDSL Modem Code	8D1B17
ADSL Modem Code	8D0E11
Locale	UK & Ireland Only

New Features

1. Support for RADIUS framed IP assignment with OpenVPN connections
2. Capable of managing new switches, VigorSwitch P2100 and VigorSwitch G2100 by Switch Management

Improvements

1. LAN DNS now applies to the router's internal DNS
2. Improved Hotspot Web Portal check box display for mobile devices / clients
3. New telnet command to turn on/off the validation code feature “mngt ValidationCode”
4. Improved display of small sized Login Page images uploaded to the router
5. Improved connectivity for established Wi-Fi Client connections when applying new Schedule configuration settings in the router’s management interface
6. Resolved an issue that could cause Mesh node disconnections from the Mesh root (router)
7. Improved Mesh Nodes details displayed on Search List of [Mesh] > [Mesh Setup]

Known Issues

(None)

Firmware Version	4.3.1.1_BT (Formal Release)
Release Type	Regular – Upgrade recommended when convenient
Build Date	27 th May 2021
Release Date	11 th June 2021
Revision	8219_1797_5da3b79358
Applicable Models	Vigor2865, Vigor2865ac, Vigor 2865Lac, Vigor2865Vac
VDSL Modem Code	8D1B17
ADSL Modem Code	8D0E11
Locale	UK & Ireland Only

New Features

(None)

Improvements

1. Update WiFi security for CVE-2020-26139 to CVE-2020-26145, and for CVE-2020-24586 to CVE-2020-24588

Known Issues

(None)

Firmware Version	4.3.1_BT (Formal Release)
Release Type	Regular – Upgrade recommended when convenient
Build Date	26 th April 2021
Release Date	04 th June 2021
Revision	7060_1790_7d830fb99
Applicable Models	Vigor2865, Vigor2865ac, Vigor 2865Lac, Vigor2865Vac
VDSL Modem Code	8D1B17
ADSL Modem Code	8D0E11
Locale	UK & Ireland Only

New Features

1. Added support for multi-language WUI
2. Support for Primary and Backup ACS URLs
3. Hardware acceleration with support for QoS and IPsec VPN
4. WPA3/OWE for wireless LAN 2.4G/5G clients
5. TOTP 2-factor authentication (Google Authenticator) is now available for authenticating web interface administrator access from the Internet

Improvements

1. Remote Dial-In User profile improvements, with “Multiple Concurrent Connections Allowed” tickbox options (to disallow more than one tunnel per user) and Scheduling of access
2. The [Dashboard] now displays Certificate Status information to track certificate expiry
3. [VPN Graph] added to [Diagnostics] menu, for quick access to VPN logs and uptime graphs
4. Full wildcards can be used with DNS Forwarding settings
5. LAN DNS / DNS Forwarding configuration profile improvements
6. LAN DNS did not work properly with previous firmware
7. API String updated for “VibeActiveMedia.com” on SMS profile list
8. A warning message will appear for reused IP object / IP Group profile that has already been used by other applications
9. Added support for two ISP accounts (PPPoE/PPPoA) with the same WAN interface
10. ‘Access List from the Internet’ on [System Maintenance] > [Management] page now supports Hostnames, to allow specified hostnames to access WUI
11. Restoring a VPN backup file did not work
12. Improved the keyword group configuration via telnet
13. The DHCP IP pool count allowed only 3 addresses for "/29" IP Routed Subnet
14. Interfaces selected in a Filter Rule Direction (Advanced) remained unselected after saving
15. Incorrect time zone for Mail Alerts and Notifications when Daylight Saving was enabled
16. “Vigor Router SMS Gateway” can be used as a service provider for [Object Settings] > [SMS / Mail Service Object]
17. The router can now connect to a backup VigorACS URL if the primary is unavailable

Firmware Version	4.2.4_BT (Formal Release)
Release Type	Regular – Upgrade recommended when convenient
Build Date	18 th March 2021
Release Date	28 th April 2021
Revision	5490_818_2f9cb3c1b V421
Applicable Models	Vigor2865, Vigor2865ac, Vigor 2865Lac, Vigor2865Vac
VDSL Modem Code	8D1B17
ADSL Modem Code	8D0E11
Locale	UK & Ireland Only

New Features

(None)

Improvements

1. The preferred LTE band list would not display properly when SIM card wasn't ready
2. WLAN profile in [Central Management] > [AP] display error page for SSID has been fixed

Known Issues

(None)

Firmware Version	4.2.3_BT (Formal Release)
Release Type	Regular – Upgrade recommended when convenient
Build Date	1 st February 2021
Release Date	23 rd March 2021
Revision	4215_701_e47734670 V421
Applicable Models	Vigor2865, Vigor2865ac, Vigor 2865Lac, Vigor2865Vac
VDSL Modem Code	8D1B17
ADSL Modem Code	8D0E11
Locale	UK & Ireland Only

New Features

(None)

Improvements

1. Updated MyVigor authentication method used for Web Content Filter license validation

Known Issues

(None)

Firmware Version	4.2.2_BT (Formal Release)
Release Type	Initial Release
Build Date	23 rd February 2021
Release Date	26 th February 2021
Revision	93982
Applicable Models	Vigor2865, Vigor2865ac, Vigor 2865Lac, Vigor2865Vac
VDSL Modem Code	8D1B17
ADSL Modem Code	8D0E11
Locale	UK & Ireland Only

First Firmware Release for this model

New Features

(None)

Improvements

(None)

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