

## **Release Notes for DrayTek Vigor 2865 series (UK/Ireland)**

Firmware Version	4.5.2.1_BT (Formal Release)
Release Type	<b>Regular</b> – Upgrade recommended when convenient
Build Date	15 <sup>th</sup> December 2025
Release Date	20 <sup>th</sup> January 2026
Revision	6464_f587d6a59b
Applicable Models	Vigor 2865, Vigor 2865ac, Vigor 2865ax, Vigor 2865L-5G, Vigor 2865Lac, Vigor 2865Lax-5G, Vigor 2865Vac
VDSL Modem Code	8D1B17
ADSL Modem Code	8D0E11
Locale	UK & Ireland Only

### **New Features**

(None)

### **Improvements**

1. The OpenVPN GUI can be displayed properly
2. Option to prevent reboot of router when .def file is applied from VigorACS
3. Router summary VPN status displays incorrect uptime format
4. CPE dashboard does not show correct VoIP status
5. ADSL Connection unable to re-establish after connection briefly drops
6. Resolved an issue with Mesh Synchronisation
7. Resolved an issue with AP management Status not showing the SSIDs and other details

### **Known Issues**

1. A firewall can restrict/drop unwanted inbound WAN traffic such as VPN requests. The router's firewall block rules can stop remote management and VPN access. It is recommended to review the firewall settings before upgrading
2. For "ax" series model:  
Some wireless clients might encounter unexpected trouble (e.g., unable to use the printer on LAN) while accessing the Internet if the hardware acceleration is enabled.  
To skip hardware acceleration for certain devices, the following telnet command can be used:  

```
ppa -E -e 1  
ppa -E -a AA:BB:CC:XX:XX:XX nat|bridge|ipsec
```

### **Notes**

1. IPsec HMAC (MD5) is no longer supported
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### **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_4521_BT.zip	v2865_4521_BT.all	8D1B17	8D0E11
v2865_4521_MDM0.zip	v2865_4521_8B0F07.all	8B0F07	8B0701
v2865_4521_MDM1.zip	v2865_4521_8B1117.all	8B1117	8B0701
v2865_4521_MDM2.zip	v2865_4521_8D1917.all	8D1917	8D0C11
v2865_4521_MDM3.zip	v2865_4521_77C717.all	77C717	8D0C11
v2865_4521_MDM4.zip	v2865_4521_8D1C17.all	8D1C17	8D0E11
v2865_4521_MDM5.zip	v2865_4521_8D1F17.all	8D1F17	8D1011

We recommend using firmware "v2865\_4521\_BT.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	4.5.2_BT (Formal Release)
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Release Type	<b>Critical</b> – Upgrade recommended immediately
Applicable Models	Vigor 2865ac, Vigor 2865Lac, Vigor 2865Vac

Release Type	<b>Regular</b> – Upgrade recommended when convenient
Applicable Models	Vigor 2865, Vigor 2865ax, Vigor 2865L-5G, Vigor 2865Lax-5G

Build Date	17 <sup>th</sup> November 2025
Release Date	10 <sup>th</sup> December 2025
VDSL Modem Code	8D1B17
ADSL Modem Code	8D0E11
Revision	6450_510fa86555
Locale	UK & Ireland Only

**IMPORTANT NOTE:** This firmware is marked as critical for Vigor 2865ac, Vigor 2865Lac, Vigor 2865Vac due to security improvements in the WLAN drivers. If upgrading is not immediately possible, consider disabling WLAN functionality or isolating the devices from the rest of the network as a temporary precaution.

### New Features

1. Support for EasyVPN connections
2. Support for multiple IPv4 VRRP groups

### Improvements

1. WLAN driver updates with security improvements (CVE-2025-20710, CVE-2025-20715~20716, CVE-2025-20718~20720, CVE-2025-20724, CVE-2025-20733~20734, CVE-2025-20736~20739).
3. New TR-069 parameters added for LTE SIM 1/2 priority by CLI
4. New option added for "VPN on Slave" under [Applications] > [High Availability] for HA failover
5. The PPPoE account used for authentication is displayed on the [Online Status] > [Physical Connection] page
6. New options added to enable customized RSRP & RSRQ signal quality values, and display these values on the router login summary
7. Improvements to the daily DrayDDNS synchronization mechanism
8. Fix for issues related to 'device loss of connection' linked with VigorACS
9. The router could stop responding due to fragmented packets
10. Fix for the User Mode related to password configuration
11. Fix the issue with auto refresh LTE information and IP address(es) in Dashboard
12. Fix the issue with the failure to apply the firewall rule if the packets were fragmented
13. Fix the issue that the mesh node went offline if Bridge VLAN to Mesh was enabled on the router
14. Fix the issue with the incorrect uptime format displayed on the Router Summary dialog while logging into the router

### **Known Issues**

1. A firewall can restrict/drop unwanted inbound WAN traffic such as VPN requests. The router's firewall block rules can stop remote management and VPN access. It is recommended to review the firewall settings before upgrading
2. For "ax" series model:  
Some wireless clients might encounter unexpected trouble (e.g., unable to use the printer on LAN) while accessing the Internet if the hardware acceleration is enabled.  
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ppa -E -a AA:BB:CC:XX:XX:XX nat|bridge|ipsec
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### **Notes**

1. IPsec HMAC (MD5) is no longer supported

Firmware Version	4.5.1_BT (Formal Release)
Release Type	<b>Critical</b> – Upgrade recommended immediately
Build Date	21 <sup>st</sup> August 2025
Release Date	8 <sup>th</sup> September 2025
Revision	6146_75377278d6
Applicable Models	Vigor 2865, Vigor 2865ac, Vigor 2865ax, Vigor 2865L-5G, Vigor 2865Lac, Vigor 2865Lax-5G, Vigor 2865Vac
VDSL Modem Code	8D1B17
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Locale	UK & Ireland Only

### **New Features**

(None)

### **Improvements**

1. Improved Web GUI Security
2. Compliance with EN 18031 cybersecurity requirements
3. Wi-Fi driver security improvements (CVE-2025-20681~20684, CVE-2025-20688~20692)
4. Add option to enable/disable force admin password change .def file
5. Improved LTE PPP mode compatibility with EM060k-EA
6. The router could stop responding when it was provisioned by ACS with an XML file that included specific VPN settings

### **Known Issues**

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### **Notes**

1. IPsec HMAC (MD5) is no longer supported

Firmware Version	4.5.0_BT (Formal Release)
Release Type	<b>Regular</b> – Upgrade recommended when convenient
Build Date	30 <sup>th</sup> June 2025
Release Date	1 <sup>st</sup> August 2025
Revision	6080_90a650b374
Applicable Models	Vigor 2865, Vigor 2865ac, Vigor 2865ax, Vigor 2865L-5G, Vigor 2865Lac, Vigor 2865Lax-5G, Vigor 2865Vac
VDSL Modem Code	8D1B17
ADSL Modem Code	8D0E11
Locale	UK & Ireland Only

### **New Features**

1. Support VRRP
2. Support XMPP
3. Support OAuth 2.0 for Mail Service
4. Support more port redirection modes in Port Knocking
5. Added TR-069 parameters for certificate management
6. Add a new menu item, System Maintenance>> Configuration Export/Import, for importing/exporting configuration.

### **Improvements**

1. Added SNMP OID for WAN uptime.
2. Support Redistribute BGP route via OSPF route.
3. Add second public / private community string for SNMP.
4. Improve the behaviour of BGP (Border Gateway Protocol).
5. Add an option to prevent reboot of router when .def file is applied from VigorACS.
6. An issue with removing APPE related logs from Service Status.
7. An issue that Vigor Router AP management did not support VAP1062C.
8. An issue that Auto APN did not match the pre-configured APN profile list.
9. Disabled from WAN router service ports were responding to a scan originating from an IP which is in the "More Remote Subnet" VPN profile
10. An issue where a user with Client-Side Access Controls (Read Only) could modify device configuration settings.
11. An issue with the system reboot was related to VoIP/KMC56 buffer leakage when receiving malformed SIP packets.
12. An issue with XML with NAT port redirection and Open port configuration not working until reapplied from router UI.
13. An issue where the VigorACS Server log incorrectly showed "fail" even though the firmware upgrade succeeded.
14. An issue where firmware upgrades via VigorACS (from 4.4.6\_RC2 to 4.5.0\_RC3) failed occasionally due to OpenVPN socket reuse.

### **Known Issues**

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### **Notes**

1. IPsec HMAC (MD5) is no longer supported

Firmware Version	4.4.6.2_BT (Formal Release)
Release Type	<b>Regular</b> – Upgrade recommended when convenient
Build Date	10 <sup>th</sup> April 2025
Release Date	13 <sup>th</sup> May 2025
Revision	5703_3b17fa2c80
Applicable Models	Vigor 2865, Vigor 2865ac, Vigor 2865ax, Vigor 2865L-5G, Vigor 2865Lac, Vigor 2865Lax-5G, Vigor 2865Vac
VDSL Modem Code	8D1B17
ADSL Modem Code	8D0E11
Locale	UK & Ireland Only

### **New Features**

(None)

### **Improvements**

2. Improved Web GUI Security.
3. Improvements with handling some suspicious TCP packets
4. The router could become unresponsive when DNS Filter, URL Filter, Web Content Filter, or Application Enforcement was enabled and TLS 1.3 hybridized Kyber was used
5. Fix for the issue that could impact the system when both WCF and DNS filters were enabled and the Internet connection was unstable or interrupted

### **Known Issues**

1. A firewall can restrict/drop unwanted inbound WAN traffic such as VPN requests. The router's firewall block rules can stop remote management and VPN access. It is recommended to review the firewall settings before upgrading
2. For "ax" series model:  
Some wireless clients might encounter unexpected trouble (e.g., unable to use the printer on LAN) while accessing the Internet if the hardware acceleration is enabled.  
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ppa -E -a AA:BB:CC:XX:XX:XX nat|bridge|ipsec

### **Notes**

1. IPsec HMAC (MD5) is no longer supported



Firmware Version	4.4.6.1_BT (Formal Release)
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Release Type	<b>Critical</b> – Upgrade recommended immediately
Applicable Models	Vigor 2865ac, Vigor 2865Lac, Vigor 2865Vac

Release Type	<b>Regular</b> – Upgrade recommended when convenient
Applicable Models	Vigor 2865, Vigor 2865ax, Vigor 2865L-5G, Vigor 2865Lax-5G,

Build Date	6 <sup>th</sup> March 2025
Release Date	14 <sup>th</sup> March 2025
Revision	5696_99849f3a83
VDSL Modem Code	8D1B17
ADSL Modem Code	8D0E11
Locale	UK & Ireland Only

### **New Features**

(None)

### **Improvements**

1. WLAN driver updates with security improvements (CVE-2025-20631, CVE-2025-20632 and CVE-2025-20633). Note that this release type is marked as Critical for the 2865ac, 2865Lac, 2865Vac variants only

### **Known Issues**

1. A firewall can restrict/drop unwanted inbound WAN traffic such as VPN requests. The router's firewall block rules can stop remote management and VPN access. It is recommended to review the firewall settings before upgrading
2. For "ax" series model:  
Some wireless clients might encounter unexpected trouble (e.g., unable to use the printer on LAN) while accessing the Internet if the hardware acceleration is enabled.  
To skip hardware acceleration for certain devices, the following telnet command can be used:  
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### **Notes**

1. IPsec HMAC (MD5) is no longer supported

Firmware Version	4.4.6_BT (Formal Release)
Release Type	<b>Regular</b> – Upgrade recommended when convenient
Build Date	16 <sup>th</sup> January 2025
Release Date	28 <sup>th</sup> February 2025
Revision	5694_56383f8fef
Applicable Models	Vigor 2865, Vigor 2865ac, Vigor 2865ax, Vigor 2865L-5G, Vigor 2865Lac, Vigor 2865Lax-5G, Vigor 2865Vac
VDSL Modem Code	8D1B17
ADSL Modem Code	8D0E11
Locale	UK & Ireland Only

### **New Features**

(None)

### **Improvements**

1. Added an option to set custom signal quality thresholds for mobile connectivity and display a color-coded status in the router summary
2. The firmware upgrade occasionally did not work when applied via VigorACS

### **Known Issues**

1. A firewall can restrict/drop unwanted inbound WAN traffic such as VPN requests. The router's firewall block rules can stop remote management and VPN access. It is recommended to review the firewall settings before upgrading
2. For "ax" series model:  
Some wireless clients might encounter unexpected trouble (e.g., unable to use the printer on LAN) while accessing the Internet if the hardware acceleration is enabled.  
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ppa -E -a AA:BB:CC:XX:XX:XX nat|bridge|ipsec
```

### **Notes**

1. IPsec HMAC (MD5) is no longer supported

Firmware Version	4.4.5.9_BT (Formal Release)
Release Type	<b>Regular</b> – Upgrade recommended when convenient
Build Date	12 <sup>th</sup> December 2024
Release Date	24 <sup>th</sup> December 2024
Revision	5688_1d90bfb4f1
Applicable Models	Vigor 2865, Vigor 2865ac, Vigor 2865ax, Vigor 2865L-5G, Vigor 2865Lac, Vigor 2865Lax-5G, Vigor 2865Vac
VDSL Modem Code	8D1B17
ADSL Modem Code	8D0E11
Locale	UK & Ireland Only

### **New Features**

(None)

### **Improvements**

1. Removed older ciphers from SSH server supported ciphers list
2. Sending all traffic through VPN feature improvements
3. In some circumstances both 2.4G and 5G Wifi could stop working
4. Improvements to the 3G/LTE WAN connection
5. The router could become unresponsive when changing the 2.4GHz channel from 11 to Auto
6. Fix the issue with failure to establish LTE Connection (status "Initialization") when SIM Card PIN code was used

### **Known Issues**

1. A firewall can restrict/drop unwanted inbound WAN traffic such as VPN requests. The router's firewall block rules can stop remote management and VPN access. It is recommended to review the firewall settings before upgrading
2. For "ax" series model:  
Some wireless clients might encounter unexpected trouble (e.g., unable to use the printer on LAN) while accessing the Internet if the hardware acceleration is enabled.  
To skip hardware acceleration for certain devices, the following telnet command can be used:  
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### **Notes**

1. IPsec HMAC (MD5) is no longer supported

Firmware Version	4.4.5.8_BT (Formal Release)
Release Type	<b>Critical</b> – Upgrade recommended immediately
Build Date	4 <sup>th</sup> November 2024
Release Date	15 <sup>th</sup> November 2024
Revision	5678_6b5bea06d2
Applicable Models	Vigor 2865, Vigor 2865ac, Vigor 2865ax, Vigor 2865L-5G, Vigor 2865Lac, Vigor 2865Lax-5G, Vigor 2865Vac
VDSL Modem Code	8D1B17
ADSL Modem Code	8D0E11
Locale	UK & Ireland Only

### **New Features**

(None)

### **Improvements**

1. Web GUI security improvements

### **Known Issues**

1. A firewall can restrict/drop unwanted inbound WAN traffic such as VPN requests. The router's firewall block rules can stop remote management and VPN access. It is recommended to review the firewall settings before upgrading
2. For "ax" series model:  
Some wireless clients might encounter unexpected trouble (e.g., unable to use the printer on LAN) while accessing the Internet if the hardware acceleration is enabled.  
To skip hardware acceleration for certain devices, the following telnet command can be used:  

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ppa -E -e 1
ppa -E -a AA:BB:CC:XX:XX:XX nat|bridge|ipsec
```

### **Notes**

1. IPsec HMAC (MD5) is no longer supported

Firmware Version	4.4.5.3_BT (Formal Release)
Release Type	<b>Regular</b> – Upgrade recommended when convenient
Build Date	1 <sup>st</sup> October 2024
Release Date	31 <sup>st</sup> October 2024
Revision	5663_d4ed5ea144
Applicable Models	Vigor 2865, Vigor 2865ac, Vigor 2865ax, Vigor 2865L-5G, Vigor 2865Lac, Vigor 2865Lax-5G, Vigor 2865Vac
VDSL Modem Code	8D1B17
ADSL Modem Code	8D0E11
Locale	UK & Ireland Only

### **New Features**

1. Support for Port Knocking (for local service)

### **Improvements**

1. Webhook Server URL character limit increased from 64 to 200 characters
2. Additional options to monitor LTE signal strength
3. The 5GHz minimum RSSI added for Band Steering
4. Additional information related to the 3G/4G signal can be displayed on the WUI (RSSI is accompanied RSRP and RSRQ once the connection is active)
5. Compatibility with the TR-069 servers using either uppercase or lowercase HTTP headers
6. Colour coded signal quality thresholds for mobile connectivity added to the WUI
7. Fix the SSH compatibility with PuTTY 0.81
8. The IPsec VPN negotiation sessions did not time out
9. Routers could not connect to the third-party ACS servers after upgrading to 4.4.5 firmware
10. Resolved an issue with the URL filter failed to block HTTPS websites when TLS 1.3 hybridized Kyber was enabled in the web browser and web server used the cipher
11. Fix for an issue where ADSL PPP connection could not resync when DSL dropped while client(s) was sending outbound WAN traffic

### **Known Issues**

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### **Notes**

IPsec HMAC (MD5) is no longer supported

Firmware Version	4.4.5.2_BT (Formal Release)
Release Type	<b>Critical</b> – Upgrade recommended immediately
Build Date	31 <sup>st</sup> July 2024
Release Date	13 <sup>th</sup> August 2024
Revision	5263_fa7be4b901
Applicable Models	Vigor 2865, Vigor 2865ac, Vigor 2865ax, Vigor 2865L-5G, Vigor 2865Lac, Vigor 2865Lax-5G, Vigor 2865Vac
VDSL Modem Code	8D1B17
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Locale	UK & Ireland Only

### **New Features**

(None)

### **Improvements**

2. Web GUI security improvements

### **Known Issues**

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1. IPsec HMAC (MD5) is no longer supported

Firmware Version	4.4.5.1_BT (Formal Release)
Release Type	<b>Regular</b> – Upgrade recommended when convenient
Build Date	19 <sup>th</sup> April 2024
Release Date	27 <sup>th</sup> June 2024
Revision	5254_a83bf0bb58
Applicable Models	Vigor 2865, Vigor 2865ac, Vigor 2865ax, Vigor 2865L-5G, Vigor 2865Lac, Vigor 2865Lax-5G, Vigor 2865Vac
VDSL Modem Code	8D1B17
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### **New Features**

(None)

### **Improvements**

1. Password mechanism changed to force admin to change the password from the default password

### **Known Issues**

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### **Notes**

1. IPsec HMAC (MD5) is no longer supported

Firmware Version	4.4.5_BT (Formal Release)
Release Type	<b>Critical</b> – Upgrade recommended immediately
Build Date	26 <sup>th</sup> March 2024
Release Date	30 <sup>th</sup> April 2024
Revision	5249_1c62d40892
Applicable Models	Vigor2865, Vigor2865ac, Vigor2865ax, Vigor 2865Lac, Vigor2865Vac
VDSL Modem Code	8D1B17
ADSL Modem Code	8D0E11
Locale	UK & Ireland Only

### **New Features**

1. PPPoE WAN mode supports MTU auto negotiation

### **Improvements**

1. The Auto APN parameter can be disabled via VigorACS (TR069)
2. Discord added to [CSM] > [App Enforcement]
3. [VPN and Remote Access] > [VPN Matcher] can select WAN interface
4. Web GUI security improvements (CVE-2024-23721)
5. LTE OID added for RSCP
6. A new service provider added: SMSala
7. Additional information can be displayed via Webhook
8. The active SIM card can be displayed in the [LTE] > [Status] page
9. Visual improvements to the Router Summary section on the login page
10. SIM1/2 ICCID can be displayed when the SIM is disabled in the settings of the router
11. Enabling SNMP does not require a reboot of the router
12. Fix for the Hotspot Web Portal loop
13. Improvements to the SMS object profile mechanism
14. Obtaining all TR-069 parameters via SSH did not work
15. Fix for the IPsec VPN traffic not working when connecting using IKEv2
16. The MyVigor page could not be opened via Product Registration
17. Fix for the failure to show WAN IP information on CPE Notify page
18. Fix for the failure with menu options displayed for Diagnostic user on router login
19. Redirection to the login page in User-Based mode could take longer than expected
20. In some circumstances DNS requests could not be resolved
21. Customer's logo could not be properly displayed on the router's login page
22. WCF/DNSF didn't work when the domain name exceeded 63 characters
23. The router could stop responding when airplay was used by connected wireless devices
24. The router did not apply a static IP for remote dial-in VPN profiles if the selected interface was part of a router LAN
25. In some circumstances OpenVPN tunnel could not be established
26. The VPN traffic would continue via the failover WAN interface even when the primary WAN had been restored
27. Rebooting the router could fail when VigorACS CPE set parameter configuration contained WAN1 username/password



28. The CPE could send the wrong '1 BOOT' event (instead of '0 BOOTSTRAP') to VigorACS after executing factory reset

### **Known Issues**

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```
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```

### **Notes**

1. This is the initial firmware for the Vigor 2865 5G models. Downgrading the firmware may impact 5G capabilities.
2. IPsec HMAC (MD5) is no longer supported

Firmware Version	4.4.3.2_BT (Formal Release)
Release Type	<b>Regular</b> – Upgrade recommended when convenient
Build Date	6 <sup>th</sup> December 2023
Release Date	10 <sup>th</sup> January 2024
Revision	4711_9ff141f54a
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. Router-based Central AP Management is compatible with VigorAP 1062C
2. Improvements to the LTE connection
3. Web GUI security improvements (CVE-2023-47254)
4. IPsec phase 2 network ID can be displayed on the router's dashboard
5. Ping Diagnosis did not work with route policy
6. IP objects could not be displayed on VigorACS server
7. WCF URL Reputation Queries could timeout when over 64 bytes-long domains were checked

### **Known Issues**

1. A firewall can restrict/drop unwanted inbound WAN traffic such as VPN requests. The router's firewall block rules can stop remote management and VPN access. It is recommended to review the firewall settings before upgrading
2. The .rst file does not factory defaults every setting. Use the **[System Maintenance] > [Reboot System] – Using factory default configuration** option as a workaround
3. Data Flow Monitor shows NaN output while Bandwidth Management is enabled

Firmware Version	4.4.3.1_BT (Formal Release)
Release Type	<b>Regular</b> – Upgrade recommended when convenient
Build Date	4 <sup>th</sup> October 2023
Release Date	27 <sup>th</sup> October 2023
Revision	4694_c90a9d3b99
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. Bind IP to MAC can replace or add new devices for specific period of time
2. Fix an issue with WAN2 L2TP
3. Improvements to the IPSec multiple SA using phase2 network ID function
4. The router could stop responding while using LTE module for a long time
5. Fix an issue where the VPN tunnel between the VPN server (Vigor router) and a client could not be disconnected
6. The issue where Central AP Management profiles could not be applied to access points has been resolved
7. As a prevention measure against XSS, login page logo pictures can no longer be externally hosted. They must be uploaded to router via [System Maintenance] > [Login Page Greeting]

### **Known Issues**

1. A firewall can restrict/drop unwanted inbound WAN traffic such as VPN requests. The router's firewall block rules can stop remote management and VPN access. It is recommended to review the firewall settings before upgrading
2. Data Flow Monitor shows NaN output while Bandwidth Management is enabled

Firmware Version	4.4.3_BT (Formal Release)
Release Type	<b>Regular</b> – Upgrade recommended when convenient
Build Date	11 <sup>th</sup> July 2023
Release Date	18 <sup>th</sup> August 2023
Revision	4640_0874248bce
Applicable Models	Vigor2865, Vigor2865ac, Vigor2865ax, Vigor 2865Lac, Vigor2865Vac
VDSL Modem Code	8D1B17
ADSL Modem Code	8D0E11
Locale	UK & Ireland Only

### **New Features**

1. Support for the new WCF provider – URL Reputation. If you have an existing activate licence, then this will be upgraded to the URL Reputation licence
2. Support for WireGuard VPN

### **Improvements**

1. VPN interface can be selected for [NAT] > [Open Port] configuration
2. Support for HTTP compression to reduce the TR-069 payload size
3. User access to CPE can be authenticated by external Radius server
4. Web GUI security improvements
5. Additional SMS commands are now supported (set and get TR-069 parameters), e.g.  

```
tr069 get "TR069 parameter" "password"
tr069 get InternetGatewayDevice.LANDevice.1.WLANConfiguration.1.SSID
1234
```
6. Support for more LTE SNMP OIDs
7. Improved Bind IP to MAC security
8. Improvements to Auto APN settings for Gamma SIMs
9. Improvements to SIM1/SIM2 failover mechanism
10. System statistics can be displayed on the login page
11. Support for writable/read-only TR-069 parameters notes
12. Fixed the Bridge VLAN over mesh network connectivity
13. In some circumstances the DHCP relay did not work
14. Fixed an issue with error message of HTTP Content Error that would appear while trying to import ovpn (OpenVPN) file
15. The Smart VPN Client 2FA window did not appear when using IKEv2 EAP and any router LAN IP address except the first one
16. When OpenVPN to Pfsense was established, the push route from the server could not be completed
17. Fixed an issue with the key data loss for OpenVPN client config file when exported from VigorACS
18. In some circumstances graphs displayed on the VigorACS page would show gaps
19. An individual SIM slot can be enabled/disabled
20. Incorrect data was shown on WUI when SIM budget was enabled
21. Fixed an issue related to authentication on External Hotspot Server and the External RADIUS Server

22. The WPS button would not enable nor disable the wireless bands
23. Improvements to the issue with empty .json response for CPE when using VigorACS API
24. The Let's Encrypt certificate could not be renewed automatically
25. Fixed an issue that could result in 'Firmware Damage' being reported when upgrading from VigorACS
26. The Firmware Damage state would remain after uploading the wrong file (file size 0)
27. Fixed the DNS PTP records
28. The router could stop responding when L2TP with IPsec (LAN to LAN) VPN profile was created
29. The router could stop responding when IKEv2 re-dialled and the local ID was set to 32 characters
30. Some configuration backup files from 2862 models could cause the router unresponsive
31. The router did become inactive after WAN IPv6 was renew

### **Known Issues**

1. A firewall can restrict/drop unwanted inbound WAN traffic such as VPN requests. The router's firewall block rules can stop remote management and VPN access. It is recommended to review the firewall settings before upgrading
2. Central AP Management profiles can't be applied to specific access points. Use provisioning option as a temporary workaround

Firmware Version	4.4.2_BT (Formal Release)
Release Type	<b>Regular</b> – Upgrade recommended when convenient
Build Date	23 <sup>rd</sup> February 2023
Release Date	22 <sup>nd</sup> 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 Version	4.4.1_BT (Formal Release)
Release Type	<b>Regular</b> – Upgrade recommended when convenient
Build Date	21 <sup>st</sup> June 2022
Release Date	28 <sup>th</sup> 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	<b>Regular</b> – Upgrade recommended when convenient
Build Date	12 <sup>th</sup> May 2022
Release Date	20 <sup>th</sup> 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	<b>Regular</b> – Upgrade recommended when convenient
Build Date	25 <sup>th</sup> October 2021
Release Date	05 <sup>th</sup> 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	<b>Regular</b> – Upgrade recommended when convenient
Build Date	22 <sup>nd</sup> June 2021
Release Date	30 <sup>th</sup> 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	<b>Regular</b> – Upgrade recommended when convenient
Build Date	27 <sup>th</sup> May 2021
Release Date	11 <sup>th</sup> 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	<b>Regular</b> – Upgrade recommended when convenient
Build Date	26 <sup>th</sup> April 2021
Release Date	04 <sup>th</sup> 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	<b>Regular</b> – Upgrade recommended when convenient
Build Date	18 <sup>th</sup> March 2021
Release Date	28 <sup>th</sup> 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	<b>Regular</b> – Upgrade recommended when convenient
Build Date	1 <sup>st</sup> February 2021
Release Date	23 <sup>rd</sup> 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	<b>Initial Release</b>
Build Date	23 <sup>rd</sup> February 2021
Release Date	26 <sup>th</sup> 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)

**[END OF FILE]**