

## Release Notes for DrayTek Vigor2766 series (UK/Ireland)

Firmware Version	4.4.5.3 (Formal Release)
Release Type	<b>Critical</b> – Upgrade recommended immediately
Build Date	29 <sup>th</sup> July 2024
Release Date	13 <sup>th</sup> August 2024
Revision	5611_5d17be0def
Applicable Models	Vigor2766, Vigor2766ac, Vigor 2766Vac
Modem Code	1232305
Locale	UK & Ireland Only

### New Features

(None)

### Improvements

1. Web GUI security improvements

### Known Issues

1. Central AP Management profiles can't be applied to specific access points
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
```

### 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
v2766_4453_BT.zip	v2766_4453BT_1232305.all	1232305	12321014
v2766_4453_STD.zip	v2766_4453_std.all	1232302	12321030
v2766_4453_MDM1.zip	v2766_4453_mdm1.all	12611012	12601015
v2766_4453_MDM2.zip	v2766_4453_mdm2.all	12721004	12711001
v2766_4453_MDM4.zip	v2766_4453_mdm4.all	12821002	12721004
v2766_4453_MDM6.zip	v2766_4453_mdm6.all	12912005	12821002

We recommend using firmware "v2766\_4453BT\_1232305.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.

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Firmware Version	4.4.5.1 (Formal Release)
Release Type	<b>Regular</b> – Upgrade recommended when convenient
Build Date	27 <sup>th</sup> June 2024
Release Date	9 <sup>th</sup> August 2024
Revision	5524_ea9ddf03f7
Applicable Models	Vigor2766, Vigor2766ac, Vigor 2766Vac
Modem Code	1232305
Locale	UK & Ireland Only

### New Features

(None)

### Improvements

1. Password mechanism changed to force admin to change the password from the default password
2. Compatibility with RFC4028 standard to prevent SIP registration errors from repeated attempts
3. The DFS wireless channels can be excluded for the Wireless LAN Auto Channel Select option
4. The minimum RSSI option added for Band Steering
5. Customised http port option added for user-defined DDNS
6. Discord added to the [CMS] > [APP Enforcement] profiles

7. Improvements to the TR-069 file transfer process (the FIN / ACL won't be sent when the TransferCompleteResponse is received from VigorACS)
8. WAN Failover mechanism improvements
9. In some circumstances router could stop responding when QoS was enabled
10. The display issue could occur when the time zone was set to Athens
11. In some cases HTTPS access wasn't working via LAN to LAN VPN NAT IP
12. Improvements to the Hotspot Web Portal feature that could stop working after some time
13. Fix for the setup of the SIP account when applied by provisioning
14. Fix for the issue where adding more remote subnet settings did not work for LAN to LAN VPN profiles
15. WireGuard dial-in profile could not be saved due to a username error
16. The router could stop responding when airplay was used by Wi-Fi connected devices
17. Improvements to the [Firewall] > [Defense Setup] IP White/Black List page
18. The router would stay in the boot loop after the firmware upgraded via VigorACS, when the system parameter 15 was enabled
19. Router was replying the 'ICMP fragment needed' packet with the wrong source port when receiving an SIP INVITE packet size greater than 1492 bytes with DF flag

### **Known Issues**

3. Central AP Management profiles can't be applied to specific access points
4. 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

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Firmware Version	4.4.3.2_BT (Formal Release)
Release Type	<b>Regular</b> – Upgrade recommended when convenient
Build Date	5th March 2024
Release Date	25 <sup>th</sup> June 2024
Revision	4881_1f760399bf
Applicable Models	Vigor2766, Vigor2766ac, Vigor 2766Vac
Modem Code	1232305
Locale	UK & Ireland Only

### **New Features**

(None)

### **Improvements**

1. Improvements to the Web GUI Security (CVE-2024-23721)

2. Login to the GUI could fail when WAN was up

### **Known Issues**

1. Central AP Management profiles can't be applied to specific access points
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
```

Firmware Version	4.4.3_BT (Formal Release)
Release Type	<b>Regular</b> – Upgrade recommended when convenient
Build Date	2 <sup>nd</sup> October 2023
Release Date	17 <sup>th</sup> November 2023
Revision	4859_7393299158
Applicable Models	Vigor2766, Vigor2766ac, Vigor 2766Vac
Modem Code	1232305
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
3. TOTP 2-factor authentication (Google Authenticator) is now available for authenticating Remote Dial-In User VPN connections
4. Added support for DWM-222 USB dongle
5. Mesh is now available on Vigor 2766ax routers
  - a. Set up Mesh initially from the [Wizards] > [Mesh Wizard] menu
  - b. Configurable from the [Mesh] menu
  - c. Supports Mesh Root mode
6. Support for VoIP(SIP)/TR-069 over IPv6
7. Added support for QoS packet priority
8. Upload of the certificate chain PKC 12 files is now supported
9. Customised logo can be displayed on the login greeting page

### **Improvements**

1. All VPN services are now disabled by default
2. The 'VPN' interface can be selected on the [NAT] > [Open Port] pages
3. New TR-069 parameters added for Alias-Based and Instance Wildcards
4. Support for HTTP compression to reduce the TR-069 payload size
5. The admin password on AP Management WLAN profile can exceed 16 characters
6. The default SSID name syntax is now based on any characters and the 6-digits suffix of the LAN MAC address, e.g., *DrayTek-xxxxxx*
7. Improvements to the Web GUI Security
8. Support for additional SMS commands
9. Support for writable/read-only TR-069 parameters notes
10. Improvements to the mechanism handling DNS PTR records
11. In some circumstances the DHCP relay did not work
12. The router did become inactive after WAN IPv6 was renew
13. Fixed the Bridge VLAN over mesh network connectivity
14. Fixed an issue that could result in 'Firmware Damage' being reported when upgrading from VigorACS
15. Improvements to the issue with empty .json response for CPE when using VigorACS API
16. In some circumstances graphs displayed on the VigorACS page would show gaps

17. The WPS button would not enable nor disable the wireless bands
18. The VoIP QoS graph would begin recording with a delay
19. The router could stop responding when L2TP with IPsec (LAN to LAN) VPN profile was created
20. The Let's Encrypt certificate could not be renewed automatically
21. Fixed an issue with the key data loss for OpenVPN client config file when exported from VigorACS
22. When OpenVPN to Pfsense was established, the push route from the server could not be completed
23. Fixed an issue with error message of HTTP Content Error that would appear while trying to import ovpn (OpenVPN) file
24. The router could stop responding when IKEv2 re-dialled and the local ID was set to 32 characters
25. The Firmware Damage state would remain after uploading the wrong file (file size 0)
26. The Smart VPN Client 2FA window did not appear when using IKEv2 EAP and any router LAN IP address except the first one

### **Known Issues**

1. Central AP Management profiles can't be applied to specific access points

Firmware Version	4.4.2.1_BT (Formal Release)
Release Type	<b>Critical</b> – Upgrade recommended immediately
Build Date	10 <sup>th</sup> January 2023
Release Date	3 <sup>rd</sup> March 2023
Revision	3596_a57ba5a9ff
Applicable Models	Vigor2766, Vigor2766ac, Vigor 2766Vac
Modem Code	1232305
Locale	UK & Ireland Only

### **New Features**

(None)

### **Improvements**

1. Improvements to the Web GUI Security (CVE-2023-23313)

### **Known Issues**

(None)

Firmware Version	4.4.2_BT (Formal Release)
Release Type	<b>Regular</b> – Upgrade recommended when convenient
Build Date	17 <sup>th</sup> May 2022
Release Date	13 <sup>th</sup> June 2022
Revision	3596_a57ba5a9ff
Applicable Models	Vigor2766, Vigor2766ac, Vigor 2766Vac
Modem Code	1232305
Locale	UK & Ireland Only

### **New Features**

(None)

### **Improvements**

1. Improved Web GUI Security
2. Updated HTTPS mechanism to address the CVE-2022-0778 (OpenSSL)
3. Management Access List now supports IP Objects and IP Groups
4. MAC addresses of clients using IGMP queries are displayed in  
[Diagnostics] > [Syslog Explorer]
5. PPPoE option is now available for ADSL mode



Firmware Version	4.4.1_BT (Formal Release)
Release Type	<b>Regular</b> – Upgrade recommended when convenient
Build Date	14 <sup>th</sup> February 2022
Release Date	25 <sup>th</sup> March 2022
Revision	2972_7698bd3923
Applicable Models	Vigor2766, Vigor2766ac, Vigor 2766Vac
Modem Code	1232305
Locale	UK & Ireland Only

### **New Features**

1. Remote management profile supports the Time-based One-time Password (TOTP) authentication method

### **Improvements**

1. Static route sessions can be processed by hardware acceleration
2. Mesh Root TCP port 9608 could be detected on WAN when enabled
3. Dynamic DNS (DrayDDNS profiles) can be set in round robin or WANx First configuration
4. Routers did not connect to GenieACS servers

### **Known Issues**

(None)

Firmware Version	4.4.0_BT (Formal Release)
Release Type	<b>Regular</b> – Upgrade recommended when convenient
Build Date	25 <sup>th</sup> November 2021
Release Date	24 <sup>th</sup> December 2021
Revision	2890_79d39042b4
Applicable Models	Vigor2766, Vigor2766ac, Vigor 2766Vac
Modem Code	1232305
Locale	UK & Ireland Only

## **New Features**

1. App-level Bandwidth Limits (e.g. Teams, OneDrive, Steam) can now be configured from [Bandwidth Management] > [Bandwidth Limit] > [APP]
2. Inbound QoS now supports Hardware Accelerated operation
3. [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
4. 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
5. Support for IKEv2 fragmentation to improve IKEv2 EAP compatibility
6. Router's DNS server feature can record one domain with multiple IP addresses
7. Support for network monitoring protocol IPFIX (Netflow)
8. Firewall can restrict/drop unwanted inbound WAN traffic such as VPN requests
9. SNMP 'ifLastChange' is now supported for WAN and LAN port uptime (Physical port link up/down detection)
10. Webhook feature can now be enabled in [System Maintenance] > [Webhook] to send periodic keepalive / heartbeat messages to a monitoring server
11. Cache password for auto reconnect option added on the [VPN and Remote Access] > [OpenVPN] > [Client Config] page

## **Improvements**

1. 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
2. Hardware Acceleration is now enabled by default for new routers & factory default settings
3. Exception list added to [Hardware Acceleration]
4. Updated MyVigor authentication method used for Web Content Filter license validation
5. Support for ADSL PPPoE LLC Line (MDM1 firmware)
6. Improved performance for Hotspot Web Portal
7. Wake on LAN via WAN did not work after rebooting the router

8. Syslog now reports more details for unsuccessful OpenVPN connections
9. Configuration files from Vigor 2765 series can now be restored to Vigor 2766 series routers
10. Function priority and default value change for DoS & Bandwidth Limit and HW NAT settings
11. When Brute Force Protection is disabled, service options are greyed-out (ticked by default)
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. Disabling a static route could disable the default route entry
17. After the firmware upgrade, router could stop responding if VoIP call, and VLAN configuration were in use
18. Self-signed certificate will now automatically regenerate before expiring
19. 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	26 <sup>th</sup> October 2021
Release Date	11 <sup>th</sup> November 2021
Revision	10746_1812_a560c17e45
Applicable Models	Vigor2766, Vigor2766ac, Vigor 2766Vac
Modem Code	1232305
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	4.3.1.2_BT (Formal Release)
Release Type	<b>Regular</b> – Upgrade recommended when convenient
Build Date	29 <sup>th</sup> September 2021
Release Date	20 <sup>th</sup> October 2021
Revision	10306_1798_42887b3b41
Applicable Models	Vigor2766, Vigor2766ac, Vigor 2766Vac
Modem Code	1232305
Locale	UK & Ireland Only

### **New Features**

(None)

### **Improvements**

1. Wireless security configuration improvements related to encrypted WDS mode

### **Known Issues**

(None)

Firmware Version	4.3.1_BT (Formal Release)
Release Type	<b>Initial Release</b>
Build Date	26 <sup>th</sup> April 2021
Release Date	8 <sup>th</sup> September 2021
Revision	6988_1790_7d830fb99
Applicable Models	Vigor2766, Vigor2766ac, Vigor 2766Vac
Modem Code	1232305
Locale	UK & Ireland Only

**First Firmware Release for this model**

**New Features**

(None)

**Improvements**

(None)

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