Release Notes for DrayTek Vigor 2710 (UK/Ireland)

Firmware Version	3.7.0
Release Type	**Regular** – Upgrade recommended when convenient
Release Date	15th January 2018
Build Date	18th December 2017
Revision	70613
Applicable Models	Vigor2710, Vigor2710n, Vigor2710Vn, Vigor2710VDn
ADSL Modem Code	2471201
Locale	UK Only / Annex A 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)

Improvements

(None)

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.

NOTE: ADSL Modem Codes

- For general purpose usage on UK lines, modem code 2471201 is recommended.
- For line speeds of less than 4Mbps, on lower quality lines a modem code with more conservative parameters, 211801 is suggested

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.

Hardware Acceleration
Firewall
System Maintenance
    System Status
    Login Page Greeting
    Configuration Backup
    Firmware Upgrade
    Modem Code Upgrade
    Activation

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	3.6.8.6
Release Type	**Critical** – Upgrade recommended immediately
Release Date	28th December 2016
Build Date	6th December 2016
Revision	61047
Applicable Models	Vigor2710, Vigor2710n, Vigor2710Vn, Vigor2710VDn
ADSL Modem Code	2471201
Locale	UK Only / Annex A Only

New Features

(None)

Improvements

1. Security improvements including one or more considered critical.

Known Issues

(None)

Firmware Version	3.6.8 (Release)
Build Date	22nd January 2015
Release Date	3rd March 2015
Applicable Models	Vigor2710, Vigor2710n, Vigor2710Vn, Vigor2710VDn
ADSL Modem Code	2471201
Locale	UK Only / Annex A Only

New Features

(None)

Improvements

1. SSL3 now disabled in favour of TLS by default for web management.
2. SNMP OID 1.3.6.1.2.1.1.1 output has been improved to show more details.
3. Corrected issue that may have prevented fail over to a 3G Backup interface after 36 days of uptime.
4. The router's TCP SYN attack protection has been improved.
5. The firewall was blocking some IPv6 routed traffic incorrectly.

Notes

The [Firewall]-[General Setup] menu now has an option to block or allow routed IPv4 and IPv6 packets:
If the firmware of the router is upgraded from 3.6.6(or before) to 3.6.7/3.6.8 firmware, .all and .rst firmwares will have different default settings for the incoming packets.

1) .all --> keep the routing settings in 3.6.6(or before), which allows both IPv4 and IPv6 routed traffic.
2) .rst --> block IPv4 and IPv6 routing packets from the WAN by default.

Firmware Version	3.6.7 (Release)
Build Date	8th July 2014
Release Date	6th August 2014
Applicable Models	Vigor2710, Vigor2710n, Vigor2710Vn, Vigor2710VDn
ADSL Modem Code	2471201
Locale	UK Only / Annex A Only

New Features

1. Supports setting DHCP options for the WAN interface, check this guide for details: http://www.draytek.co.uk/support/guides/sky-mer-setup-guide

Improvements

1. OpenSSL updated for CVE-2014-0224
2. Corrected some DHCP relay issues.
3. Corrected some SSH memory leakage issues.
4. Corrected: Applications-DDNS could not update freedns.afraid.org.
5. Corrected: Could not add DHPC option 66/15.
6. Corrected: The router would drop DNS packets with an unrecognised type.
7. Corrected: The router's SSH interface would not work with OS X.
8. Corrected: Display errors on the External Device Status page.
9. Corrected: The router would not apply the VLAN tag for WAN IPv6 packets if WAN VLAN tag is enabled.
10. Improved: Support NS/ANY/SOA DNS types type for DNS cache.
11. Improved: IPv6 firewall allows incoming packets transferred to certain ports under [Firewall]-[General Setup], which allows blocking or allowing IPv6 or IPv4 routed traffic.
12. New TR-069 Parameters: WAN >> WAN mode: Backup or Always On, LAN >> DHCP relay enable/disable, DHCP relay IP address and Device hostname, LAN >> Bind IP to MAC, VPN >> Create Phase2 SA for each subnet.(IPSec), VPN >> Netbios Naming Packets Pass/Block, Firewall >> IPv6 Group/IPv6 Object, SNMP, and Diagnostics >> Ping Diagnosis.
13. App Enforcement now supports blocking Tor tunnel ver. 0.2.3.25, Hotspot Shield ver.3.19 and Telnet protocol when using "PuTTY" or "PieTTY"
14. Improved 3G support: Huawei E303D, Vodafone K4201, and SpinCom GPRS Modem.

Firmware Version	3.6.5 (Release)
Build Date	6th August 2013
Release Date	6th September 2013
Applicable Models	Vigor2710, Vigor2710n, Vigor2710Vn, Vigor2710VDn
ADSL Modem Code	2471201
Locale	UK Only / Annex A Only

New Features

1. Support wireless wizard.
2. Support "USB Device Status" for modem, disk, and printer.
3. Support "APPE Support List".

Improvements

1. Support Editing DHCP server options (ASCII/Hex) on web user interface.
2. Support DHCP client identifier for some ISP. (DHCP Option 61 with PPP, username/password)
3. Support the DNS 8.8.8.8 for web content feature (WCF) function for authentication
4. Add checkboxes of "Always On" and "Dial On" for IPv6 AICCU.
5. Add VoIP Inter-digit timeout for TR-104.
6. Improved handling of AICCU IPv6 LAN IP.
7. Prevent PPTP log-in if LAN-to-LAN profile enabled but no password set.
8. Improved: Support special character "-" in SMS/Recipient and WAN/Display Name.

Firmware Version	3.6.3.2 (Release)
Build Date	26th April 2013
Release Date	2nd May 2013
Applicable Models	Vigor2710, Vigor2710n, Vigor2710Vn, Vigor2710VDn
ADSL Modem Code	2471201
Locale	UK Only / Annex A Only

New Features

1. Support IPv6 printer service.
2. Support "vigorddns" service.
3. Support IPv6 NTP service

Improvements

1. Prevents PPTP log in if LAN-to-LAN profile enabled without setting username/password.
2. SIP ALG: "via" information was not being modified correctly
3. Improved: Support blocking RaidCall (v7.0) and PPStream (v2.7.0.1512).
4. Improved: Support the feature of H.323_alg passthrough.
5. Improved: Modify the NTP domain name resolving period from once every 20 seconds to 10 seconds prior to the time specified by Automatically Update Interval.
6. Improved: The router accepts asterisk (*) as the administrator password.
7. Improved: When the user accesses into a website that two categories detected by Commtouch, the router can only show/handle one category.
8. Improved: Changed the default setting from "Both: Pass" to "Either: URL Access Control First" for URL content filter.
9. Corrected: PPTP VPN connection might not be established under the IPsec LAN-to-LAN tunnel of Vigor router.
10. Corrected: Unable re-dial out LAN to LAN VPN tunnel after VPN tunnel is down and VPN server is available again.
11. A PC gets IP address from the DHCP server of the router, but the secondary DNS server on PC will be the same as the primary DNS server.
12. Daylight Saving didn't work with time zone Adelaide (GMT +9:30).
13. Two IP phones behind NAT were unable to call each other after a period of time.

Firmware Version	3.6.3.1 (Release)
Build Date	17th January 2013
Applicable Models	Vigor2710, Vigor2710n, Vigor2710Vn, Vigor2710VDn
Locale	UK Only / Annex A Only

New Features

1. Support ACS Notification function.
2. Support Wireless Wizard.
3. Support 3G Backup for UK.

Improvements

1. NAT loopback did not work for wireless clients.
2. DHCP Table showed wrong Leased Time.
3. Yahoo email was blocked by enabling the Wujie/UltraSurf option in the Misc tab of CSM>>APP Enforcement Profile.
4. IPv6 traffic via AICCU causes router system reboot.
5. When a user performed Port Scan with AICCU IPv6 LAN IP, the router system reboot would occur.
6. Trace Route did not work for 3G mode.
7. Add inter-digit timeout setting on WUI and TR-104.
8. Support editing DHCP Options (ASCII/Hex) on web user interface.
9. Support fax via "fax transmission 1 bypass g711 alaw64k".
10. Modify the wording from "TSPC Status" to "IPv6 TSPC Status".
11. Web content feature DNS mechanism during activation/authentication improved
12. Allow "-" and "." characters in admin password via WUI.
13. Improved: Add a telnet command to set ADSL auto mode modulation. adsl automode [add| remove|set|default|show] [adsl_mode]
14. APPE support RC_voice, teamviewer, ppstream. RC Voice version: 7.0 teamviewer 8.0.16284, 7.0.15723 PPStream 2.7.0.1512

Firmware Version	3.6.3 (Release)
Release Date	2nd January 2012
Build Date	16th October 2012
Applicable Models	Vigor2710, Vigor2710n, Vigor2710Vn, Vigor2710VDn
Locale	UK Only / Annex A Only

New Features

1. IPv6 Support Added
2. Smart Bandwidth Limit support added
3. QoS DiffServ retagging support added
4. ADSL PVC to PVC binding added
5. VoIP Wizard added

Improvements

1. Removed ADSL2/2+ Annex M from "multimode" auto-detect mechanism due to interoperability issues that could cause incorrect modulation to be set. For Annex M lines please manually set the modulation to Annex M instead of multimode.
2. DNS function does a force update even no WAN IP changed.
3. Removed incorrect PPP start (xxx) log entry where incoming client is unknown prior to CHAP/PAP authentication
4. Can not show the FTP file list when Android phone connecting to Vigor2710 FTP server.
5. True IP DMZ may not work.
6. Incorrect wireless country string which will be checked by Linux and MAC.
7. May meet reboot problem while running wireless AP Discovery.
8. A user can send a FAX not only using T.38 protocol but also G.711.
9. Resolves an issue which would prevent IP Phones behind the Vigor 2830 from registering after a WAN failover because the router would sent UDP packets with a source port of 0.
10. DHCP Relay via VPN tunnel can not work.
11. QoS classify error for transmission traffic to VPN L2TP tunnel.
12. Cannot apply AES 192 and AES 256 on IPSec Security Method while the customer chooses options of AES without authentication in VPN and Remote Access>>LAN to LAN page.
13. Firewall can't block internal routing subnet packets.
14. UCF Syslog cannot show HTTP or HTTPS.
15. A CPE may loss connection when it connects to VigorACS server with STUN server.
16. A router without VoIP module should not have an option "VoIP" in Multi-PVCs setting page.
17. WCF service stability improvements
18. Online Status shows error secondary DNS value.
19. Add a Clear button in the web page for SIP account.
20. Lease time on DHCP server is configurable.
21. By looking at the syslog, we can see who has acquired the IP dispatched from our router.
22. The router can send the TR-069 packet out via LAN interface.
23. Moify the default pool size of LAN DHCP server from 50 to 150.
24. Add new DDNS provider (UBDdns, Oray, and Peanut Shell).
25. Improve Samba with Mac OS X.

26. Bandwidth Limit range change to 0 - 30000.
27. Block Skype version 5.10.56.116.
28. ADSL state information update frequency to syslog decreased from 5 to 30 seconds
29. Rename "Undefined Protocol" with "Unassigned Numbers" for the DoS function.
30. Disable QoS by default for non-VoIP models.
31. Enhance VoIP QoS.
32. Improve ALG for SoftPhone Polycom and lift-size.
33. Improve the web page for VPN Profile.
34. Modify UCF(URL Content Filter)/WCF(Web Content Filter) block web page.
35. SNMP's sysDescr can show model name and firmware version.
36. TR-069 support added for IP Route subnet parameters, firewall parameters, RADIUS parameters, WAN Connection Detection and SysLog / Mail Alert Setup parameters
37. Renamed TR-069 parameter "InternetGatewayDevice.X_00507F_Firewall.DoSDefense.BlockUnknownProto" to "InternetGatewayDevice.X_00507F_Firewall.DoSDefense.BlockUnassignedNum"
38. ip arp accept telnet command changed to give separate control over behaviour (pass or block) for both incorrect source mac and incorrect destination mac. 'ip arp accept <0/1/2/3/status>'
39. Added a telnet command to configure IGMP Query packet interval time. 'ip igmp_proxy query [msec]'
40. Added a telnet command to configure flash hook minimum and maximum time for VoIP.

Firmware Version	3.3.7 (Release)
Release Date	20th June 2012
Build Date	23rd February 2012
Applicable Models	Vigor2710, Vigor2710n, Vigor2710Vn, Vigor2710VDn
Locale	UK Only / Annex A Only

New Features

1. Supports sending Syslog via email.
2. Supports auto-detection of other locally connected DrayTek devices.
3. Supports detecting ADSL2/2+ Annex J and Annex M with Multimode DSL modulation.
4. Added Address Mapping under the NAT menu.
5. Supports hardware MD5/SHA1 encryption.
6. Supports Syslog Explorer with Web Syslog and USB Syslog under the USB Application menu.
7. Allow Mail Alert to send emails with VPN notifications.

Improvements

[VoIP]

1. Improved: Added a telnet command to disable/enable internal VoIP service "voip sip misc -D" on 2710Vn/VDn.
2. Improved: Added telnet command for adjusting the volume of call waiting tone.
3. Improved: SIP address format (either Withheld@X or anonymous@X) can be blocked if Block Anonymous under VoIP>>DialPlan>>Call Barring is configured.
4. Improved: Incoming calls with SIP from header field without having an account name (e.g., tagged with 5E623524-172D) can be blocked if Block Anonymous under VoIP>>DialPlan>>Call Barring is configured.
5. Corrected: VoIP call may drop after 2-3 minutes.

[WAN]

6. Improved: Add MTU setting on PPPoE/PPPoA and MPoA page.
7. Corrected: WAN cannot get IP from DHCP server when Block Fraggle Attack is checked in the page of Firewall > DoS Defense.
8. Corrected: Ping detection fails when the target IP and gateway are in the same subnet.

[General]

9. Improved: Added a telnet command to set user-defined custom DHCP options "srv dhcp custom_option"
10. Improved: Supports disabling/enabling user mode in the web interface. The factory default setting is disabled.
11. Improved: Improved compatibility with VigorACS SI v1.08.
12. Improved: Corrected some LAN status SNMP information.
13. Improved: Shows correct German umlauts in Samba server.
14. Improved: A Reboot could occur while printing with the USB port for some printers.

15. Corrected: QoS may not work correctly if the firewall is disabled.
16. Corrected: Data Flow Monitor did not show TX & RX value for the monitored IP address when using WAN on PPTP Host-LAN environment.
17. Corrected: RIP over VPN may not work.
18. Corrected: My WAN IP setting does not work when using PPTP in NATted VPN mode.
19. Corrected: Buffer leakage occurs when IPSec Aggressive mode is used and configured with a local IP address.
20. Corrected: User-Based mode of user management does not work if HTTPS management port has been changed.
21. Corrected: Firewall caused a problem with SIP registrations.

Firmware Version	3.3.6.1 (Release)
Release Date	14th April 2011
Build Date	22nd March 2011
Applicable Models	Vigor2710, Vigor2710n, Vigor2710Vn, Vigor2710VDn
Locale	UK Only / Annex A Only

New Features

1. Add the static route for IPSec LAN to LAN with NAT mode.
2. Added configurable QoS

Improvements

1. Corrected: A crash occurred while pressing the space bar after typing "qos class -V 1" telnet command.
2. Domain name now supported in STUN server IP field in TR-069 web page.
3. USB storage file handling improvements
4. Added default Busy tone and Congestion tone parameters for UK.
5. Fixed issue with displaying [Firewall]>[General Setup] page of view Filter Rule in WebUI
6. Corrected SNMP response for 1.3.6.1.2.1.4.20.1.1 in WAN PPP mode.
7. Access list was previously blocking access to router web interface via VPN
8. L2TP over IPSec memory handling improvements with PPTP/PPPoE WAN connections
9. Improvments in handling of WLAN probe response to WLAN client
10. Wireless connection improvments
11. Syslog output for Wireless security settings amended
12. Added Syslog output of VoIP debug messages
13. Corrected RTP CODEC selection for callee when multiple ports are ringing for one account
14. Improvements to Call Transfer mechanism
15. It was not possible to re-enable PSTN ring FXS port after it was disabled by telnet command of pstnringfxs.
16. The incorrect codec was displayed on VoIP status page if codec was set to any of iLBC_13, iLBC_15, or G.722_64.
17. Can not see "PT=Comfort noise" in RTP packet of WAN when Codec is G.711 and Voice Active Detector of DECT is enabled.
18. Issue with Outband DTMF via DECT phones fixed
19. Support TR-069 parameter for VigorACS SI.
20. Support WINS DHCP Option for DHCP server.
21. Warning message will appear if MTU size is set lower than 1000.
22. Protection added to prevent setting the same value in Call Filter and Data Filter.
23. At least One SSID must be selected on the Wireless LAN>>Access Control page.
24. Added Caller ID display from PSTN (NL)
25. By default disabled ringing dis-bounce to correct PSTN caller ID display error in Netherlands. You can use the telnet command to control ringing dis-bounce. voip dsp relaydbounce [on|off]
26. Added a new telnet command for "Change default route to this VPN". vpn option <index> droute=on/off.

27. Add a new telnet command to control "Display Name" as "PADI service name" for WAN.
    internet -P <on/off> ("Display Name" can be treated as "PADI service name")

Firmware Version	3.3.2 (Release)
Release Date	29th Jan 2010
Build Date	4th Dec 2009
Applicable Models	Vigor2710, Vigor2710n, Vigor2710Vn
Locale	UK Only / Annex A Only

New Features

1. Support USB Disk Application (FTP/Samba).
2. "twodns" DDNS service.
3. Support PPPoA pass-through function.
4. Show source MAC address on Syslog for LAN to WAN packets.

Improvements

1. Corrected: Dial Out Account can not be set to default on DialPlan Setup of WUI.
2. Corrected: If the phone is disabled but the phone state is not changed, the phone will not ring when receiving PSTN incoming call.
3. Corrected: Resolved issue that When RFC-2833 with payload type = 96 packet is received, the router will reboot.
4. Corrected: SIP memory leakage.
5. Corrected: Problem for semi-attendent CT for VoIP.
6. Corrected: Can not save DSL settings sometimes after finishing Auto Detection in Quick Start Wizard.
7. Corrected: Some problems occurred on WUI.
8. Corrected: Can not get TR069 parameters after meeting TR069 connection timeout.
9. Corrected: Firmware upgrade may be failed when upgraded by TR069.
10. Corrected: UCF can save 12 objects, only.
11. Corrected: Call filter malfunctioning.
12. Corrected: Failure of running IP Ping through PPTP of VPN.
13. Corrected: Adding UPNP port mapping failed.
14. Corrected: Connection problem on PPTP NAT pass-through.
15. Improved: Wildcard '?' can be used in Digit Map.
16. Improved: Allowed VoIP number starting with # for non-IP calls.
17. Improved: Wireless interoperability with Vigor AP700 while using WDS with WPA or WPA2 mode.
18. Improved: Mouse cursor stays on the field of Username in Login page of Web UI.
19. Improved: Add/modify some TR069 parameters.
20. Improved: Router stability against NMAP scan.
21. Improved: Bridge mode may not work after powering off/on.
22. Improved: Add/modify some IM/P2P signatures.
23. Improved: ARP cache life settings stored to flash so that value is saved even after reboot of the router.
24. Improved: Increase compatibility with more stun servers.

Firmware Version	3.3.0 (Release)
Release Date	5th August 2009
Build Date	5th August 2009
Applicable Models	Vigor2710, Vigor2710n, Vigor2710Vn
Locale	UK Only / Annex A Only

New Features

1. Upgrade VoIP driver for add improvements.
2. Add/modify signatures to block new version PPStream.
3. Add/modify signatures to block new version UUSee.
4. Add telnet command to enable/disable blocking of illegal ARP REPLY packet (Ethernet source address doesn't match ARP sender address)
5. Add SIP Account setting item in user mode.
6. Add "Select All" button in IM object page, P2P Object page, Protocol Object page, Misc Object page.
7. Add "Loop Through To PSTN" in VoIP Status on WUI

Improvements

1. Corrected: Got error message while running firmware upgrade on Firefox 3.0.3.
2. Corrected: Meet connection problem while running P2P service & enabling session limit.
3. Change Wireless MAC Address to upper case on WUI.
4. Corrected: DDNS send request error.
5. Corrected: DDNS Auto-Update interval value can't be cleared or set to factory default value.
6. Corrected: A problem of DHCP MaxAddress Provision for TR069.
7. Corrected: A problem of ProvisionKeepParameter crash for TR069.
8. Corrected: Set WPS client's default MAC address as 00-00-00-00-00-00 to avoid WUI display error.
9. Corrected: CPA query timeout problem will be occurred while DMZ host enabled.
10. Corrected: Lose 'G.DMT' item in PPPoE / PPPoA>>DSL Modem Settings.
11. Corrected: DMZ alert problem happened on WUI.
12. Corrected: WAN IP Alias cannot be cleared on WUI.
13. Corrected: 'Schedule' relatively contents is hidden in user mode.
14. Corrected: Display error for WCF LED.
15. Corrected: WLAN Advanced Setting\WMM Configuration is hidden in user mode.
16. Corrected: Auto-detect function submit error "404 Not Found" in Quick Start Wizard.
17. Corrected: Can't clear old configuration when upgrade *.RST firmware by WUI Firmware Upgrade page.
18. Corrected: SSID can't include " " character.
19. Corrected: Login problem with IE8
20. Corrected: IKE phase 1 proposals are incomplete.
21. Corrected: PPTP WAN connection cannot dial out because of sending GRE encapsulated TCP packet to server.
22. Corrected: When PPTP WAN connection established, the router can not access a LAN that it belongs to.

23. Corrected: Wireless clients can access Web UI in isolated LAN mode when they use 2nd subnet IP or changed HTTP, HTTPs, SSH, TELNET, FTP port.
24. Corrected: DTMF tone has a loud voice when automatically redials to PSTN line.
25. Corrected: Display problem for the ring port configured in VoIP>>SIP Account.
26. Corrected: Only one phone can loop through to PSTN at the same time for FXS software relay and hardware relay.
27. Corrected: Allows ring patterns to be selected
28. Corrected: Can't register multiple SIP accounts on VoIP page for some ISP.
29. Corrected: Display error for VoIP LEDs (Phone 1 and Phone 2) in some situations.

First Firmware Release for this model

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