

Release Notes for DrayTek Vigor 2920 (UK/Ireland)

Firmware Version	3.8.8.3
Release Type	Regular – Upgrade recommended when convenient Note: A previous firmware (3.8.8.2) was a critical release . This f/w includes all changes/improvements that were in 3.8.8.2.
Release Date	22 nd August 2018
Build Date	1 st August 2018
Applicable Models	Vigor 2920 series
Revision	75523
Locale	UK Only

New Features

(None)

Improvements

1. Improved compatibility with ISPs providing PPP based IPv6 internet connectivity

Known Issues

1. Before upgrading firmware, take a configuration backup. After upgrade to 3.8.8.3 it is not possible to revert and downgrade to a firmware version prior to 3.6.8.6 without resetting the unit. To downgrade from 3.8.8.3 firmware, reflash earlier firmware using .rst firmware and reload the configuration backup from the previous firmware version
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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.

Upgrade Instructions

It is recommended that you take a configuration backup prior to upgrading the firmware. This can be done from the router's system maintenance menu.

To upgrade firmware, select '*firmware upgrade*' from the router's system maintenance menu and select the correct file. Ensure that you select the ALL file unless you want to wipe out your router's settings back to factory default.



Manual Upgrade

If you cannot access the router's menu, you can put the router into 'TFTP' mode by holding the RESET whilst turning the unit on and then use the Firmware Utility. That will enable TFTP mode. TFTP mode is indicated by all LEDs flashing. This mode will also be automatically enabled by the router if there is a firmware/settings abnormality. Upgrading from the web interface is easier and recommended – this manual mode is only needed if the web interface is inaccessible.

Firmware Version	3.8.8.2
Release Type	Critical – Upgrade recommended immediately
Release Date	22 nd May 2018
Build Date	21 st May 2018
Applicable Models	Vigor 2920 series
Locale	UK Only

Security Advisory

1. Check your DNS and DHCP settings on your router.

<https://www.draytek.co.uk/support/security-advisories/kb-advisory-csrf-and-dns-dhcp-web-attacks>

If you have a router supporting multiple LAN subnets, check settings for each subnet. Your DNS settings should be either blank, set to the correct DNS server addresses from your ISP or DNS server addresses of a server which you have deliberately set (e.g. Google 8.8.8.8). A known rogue DNS server is 38.134.121.95 - if you see that, your router has been changed.

New Features

(None)

Improvements

1. This firmware includes improvements to harden the web interface against attacks. We have become aware of specific attacks against router, including DrayTek models where hackers have altered specific settings relating to your DNS servers and DHCP settings. You should urgently check those settings on your router. If they appear to have been tampered with, correct them and change your admin password and for any other config anomalies. Restore a config backup if you have one (from prior to the attack). We continue to investigate this issue but the first priority was to issue updated firmware.

Known Issues

1. Before upgrading firmware, take a configuration backup. After upgrade to 3.6.9 it is not possible to revert and downgrade without resetting the unit. To downgrade from 3.6.9 firmware, reflash earlier firmware using .rst firmware and reload the configuration backup from the previous firmware version

Firmware Version	3.6.9
Release Type	Regular – Upgrade recommended when convenient
Release Date	22 nd June 2017
Build Date	31 st May 2017
Revision	65642
Applicable Models	Vigor 2920 series
Locale	UK Only

New Features

1. Certificates generated / signed in [Certificate Management] can now be signed with SHA-256

Improvements

1. Resolved a display issue in [Certificate Management] > [Local Certificate]
2. DNS Filter would not pass CNAME type queries correctly
3. Administrator Local User accounts created in [System Maintenance] > [Administrator Password] can now be used for CLI (SSH/Telnet) management

Known Issues

1. Before upgrading firmware, take a configuration backup. After upgrade to 3.6.9 it is not possible to revert and downgrade without resetting the unit. To downgrade from 3.6.9 firmware, reflash earlier firmware using .rst firmware and reload the configuration backup from the previous firmware version
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Firmware Version	3.6.8.7
Release Type	Regular – Upgrade recommended when convenient
Release Date	13 th January 2017
Build Date	19 th December 2016
Revision	61385
Applicable Models	Vigor 2920 series
Locale	UK Only

New Features in this Firmware

1. Router auto-generates unique Self-Signed Certificate for HTTPS

Improvements in this firmware

1. Resolved an issue with PPTP VPN Passthrough for NAT to some types of internal PPTP VPN server
2. Improved UDP socket handling

Known Issues

1. Before upgrading firmware, take a configuration backup. After upgrade to 3.6.8.6 it is not possible to revert and downgrade without resetting the unit. To downgrade from 3.6.8.6 firmware, reflash earlier firmware using .rst firmware and reload the configuration backup from the previous firmware version

Firmware Version	3.6.8.6
Release Type	Critical – Upgrade recommended immediately
Release Date	28 th December 2016
Build Date	6 th December 2016
Revision	61042
Applicable Models	Vigor 2920 series
Locale	UK Only

New Features in this Firmware

(None)

Improvements in this firmware

1. Security improvements including one or more considered critical.

Known Issues

1. Before upgrading firmware, take a configuration backup. After upgrade to 3.6.8.6 it is not possible to revert and downgrade without resetting the unit. To downgrade from 3.6.8.6 firmware, reflash earlier firmware using .rst firmware and reload the configuration backup from the previous firmware version
2. PPTP VPN Passthrough for NAT to some types of internal PPTP VPN server may prevent a VPN establishing successfully

Firmware Version	3.6.8.5
Release Date	13th June 2016
Build Date	22nd April 2016
Applicable Models	Vigor 2920 series

New Features

(None)

Improvement

1. Changed TCP Initial sequence number mechanism
2. Session validation method improved in Web UI

Known Issues

(None)

Firmware Version	3.6.8.4
Release Date	30th March 2016
Build Date	2nd February 2016
Applicable Models	Vigor 2920 series

New Features

(None)

Improvement

1. Added TCP SYN+FIN packet protection mechanism
2. Improved TLS service resilience
3. SIP messages passing through the router could cause instability under some specific circumstances
4. (2920n only) Wi-Fi Country Code was incorrect

Known Issues

(None)

Firmware Version	3.6.8.3
Release Date	23rd October 2015
Build Date	11th September 2015
Applicable Models	Vigor 2920 series

New Features

1. Support for TLS 1.2
2. Supports session based load balance mode, configured under [WAN] > [General Setup]

Improvement

1. Resolved some issues with Web Portal function
2. Support for TR-069 HTTP/HTTPS trigger, available in [System Maintenance] > [TR-069] "Test with Inform" button

Firmware Version	3.6.8.2
Release Date	21st May 2015
Build Date	11th May 2015
Applicable Models	Vigor 2920 series

New Features

(None)

Improvement

1. [System Maintenance] > [TR-069] now has a Wizard button to enter the address of the ACS server with the required URL.
2. DHCP Option 66 now supports special characters such as \$ (through CLI, using "srv dhcp option" command).
3. An issue that caused problems with LAN DNS and DNS Caching has been resolved.
4. Support for the MF825A USB modem.
5. Resolved a DHCP issue with [WAN] > [Multi-VLAN] - Port Based Bridge mode
6. Access List for router management was not working correctly when using a LAN to LAN VPN as the default route.
7. Resolved an issue with the Firewall that could stop users accessing the internet due to a session limit error under some circumstances.
8. User management was not working correctly when using User-Based mode.

Firmware Version	3.6.8
Release Date	4th February 2015
Build Date	14th January 2015
Applicable Models	Vigor 2920 series

New Features

(None)

Improvement

1. SSL3 now disabled in favour of TLS by default for SSL tunnels and web management.
2. Added TR-069 parameters to configure SNMP management.
3. Support for RFC3021 (Using a /31 Subnet Mask WAN interface).
4. Corrected issue that may have prevented fail over to a 3G Backup interface after 36 days of uptime.
5. SIP phones connected to the router's LAN could experience issues with registration under specific circumstances.
6. Added telnet command to disable/enable LAN ports - "port enable/disable x".
7. Added TR-069 parameter to disable/enable LAN ports.
8. IPv6 routed traffic was incorrectly blocked by the firewall under some circumstances.

Firmware Version	3.6.7.1
Release Date	14th July, 2014
Build Date	16th June 2014
Applicable Models	Vigor 2920 series

New Features

(None)

Improvement

1. Updated SSL for CVE-2014-0224.

Firmware Version	3.6.7
Release Date	17th June, 2014
Build Date	11th April 2014
Applicable Models	Vigor 2920 series

New Features

(None)

Improvement

1. Additional USB modem support inc. Support Huawei E303D, Vodafone K4201, SpinCom GPRS Modem.
2. Support NS/ANY/SOA type for DNS cache.
3. Support Multiple SNMP Manager Host IP and Notification Host IP(v4 and v6).
4. Support user configured daylight saving.
5. Additional option to firewall to control incoming non-nat packets for IPv6 and IPv4. If the firmware of the router is upgraded from 3.6.6(or before) to 3.6.7 firmware, .all and .rst will have different effects for the incoming packets.
 - a. .all --> allow routing settings in 3.6.6(or before), (both IPv4 and IPv6).
 - b. .rst --> block routing packets from WAN in default, (both IPv4 and IPv6).
6. Add some TR-069 parameters for setting 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.
7. Support to block Tor tunnel ver. 0.2.3.25, hotspot shield with ver.3.19, and telnet protocol by using "putty" or "pietty" for APP Enforcement and LINE app in 3.5.1.36 (for PC) version and in 4.1.1 version (for mobile) for APP Enforcement.
8. Support block page for DNS filter.
9. Add Wizards menu.
10. Route policy supports VPN LAN to LAN traffics.
11. In URL RedirectIn LAN>>Web Portal Setup add option to require user to click button to proceed
12. Add VLAN tag for WAN IPv6 packets if WAN VLAN tag is enabled.
13. Resolved some DHCP relay issues
14. Correct SSH memory handling.
15. Load Balance/Route Policy cleaned all sessions when the dropped down WAN reconnected.
16. DDNS could not work when updating to freedns.afraid.org
17. Could not add DHPC option 66/15.
18. Router showed wrong Syslog messages when a VPN LAN to LAN tunnel drops.
19. Router dropped all DNS packets with unknown type.
20. SSH didn't work with Mac OS, while it did with Windows and Linux.
21. VigorACS SI couldn't show Network information when DNS Filter was enabled for Vigor2830.
22. External Device Status page improved
23. Removed Mhaha, getMessenger, IMUnitive, Wablet from WebIM on CSM>>APP Enforcement Profile.

Firmware Version	3.6.6
Release Date	8th November, 2013
Applicable Models	Vigor 2920 series

New Features

1. Support IPv6 6in4 Static Tunnel service, IPv6 6rd Tunnel service and IPv6 NTP service.
2. Support new feature of route policy. <http://www.draytek.co.uk/support/guides/kb-policy-routing-guide>
3. Support [Applications]>LAN DNS. <http://www.draytek.co.uk/support/guides/kb-lan-dns>
4. Support [CSM]>DNS Filter to allow CSM to make decisions based on DNS requests <http://www.draytek.co.uk/support/guides/kb-dns-filter>
5. Support USB Device Status for modem and disk.
6. Support LDAP/AD authentication for Admin Account.
7. Support wireless auto bandwidth limit management.

Improvements

1. Support to remove inactive clients for DHCP server automatically.
2. Option added to specify multiple Phase2 SAs for a VPN tunnel. (for compatibility with devices that are applying strict SA eg Cisco router)
3. Support more modems, such as vodafone K3772-Z, Infinity IW-021, Zoom-4598, and Option iCON XY modems.
4. Modified DoS default values.
5. Support blocking of embedded flash videos, Windows Remote Desktop Protocol, iCloud, Teamviewer v8.0.20202 blocking under the OTHERS tab of CSM>>APP Enforcement Profile.
6. Add "www.lusosms.com" for offering SMS service.
7. Change the default setting from "Both: Pass" to "Either: URL Access Control First" on URL Content Filter Profile.
8. Improved: Support TR-069 parameters for WLAN WDS.
9. Support TR-069 parameters displayed on Diagnostics >> Routing Table.
10. Support special character "." on Wireless SSID.
11. Support to input number from 10 to 29 digits for Call Barring.
12. Support a new telnet command, portmaptime.
13. Support vigorddns for DDNS service.
14. Port triggering can only work when the first profile has been set.
15. Can not create a new profile by CSM>>APP Enforcement Profile.
16. Improved handling of diagnostics NAT session values GET request via TR069
17. DynDNS sporadically updates with internal WAN IP instead of internet IP.
18. Corrected an issue when a user management policy rule is set to 7th rule in any filter set.

Firmware Version	3.6.4
Release Date	26th April, 2013
Build Date	22th May, 2013
Applicable Models	Vigor 2920 series

New Features

1. Added Wireless Configuration Wizard.
2. Support IPv6 printer service.
3. Support IPv6 SMTP service.
4. Mail Alert now supports sending mail via SSL / TLS and can specify the SMTP port
5. Web content feature DNS mechanism during activation/authentication improved
6. DHCP options (ASCII/Hex) can be set under [LAN] – [General Setup]
7. Support VLAN failsafe. Add Enable management port for P1 (LAN 1) on LAN>>VLAN to ensure the data transmission is unimpeded.
8. Support Smart Bandwidth Limit.
9. Support for QoS DiffServ retagging added
10. Support DHCP client identifier for some ISP (DHCP Option 61 with PPP username/password).

Improvements

1. Routers handling of AICCU neighbour packets.
2. Time and Date: Daylight Saving doesn't work with time zone Adelaide (GMT +9:30).
3. Resolved an issue with sending pings between VLAN subnets
4. 4G WiMAX / LTE web user interface settings could not be saved.
5. VPN: Windows 7 L2TP over IPsec client could not pass traffic immediately after connecting
6. Improved processing of multiple simultaneous PPTP dial in/out connections
7. If MPPE was enabled, the PPTP Dial-in user VPNs could not connect
8. IPsec LAN to LAN VPN tunnel could not pass PPTP VPN traffic
9. PPTP Dial-in user VPNs could not create a PPTP VPN through that tunnel
10. WLAN: Incorrect country code sent which affected Mac and Linux computers connecting wirelessly on channels 12 and 13
11. The RADIUS request of WLAN clients was rejected by Synology NAS RADIUS server
12. Corrected handling of when USB WAN is deactivated and a 3G modem is connected.
13. Two IP phones behind NAT are unable to call each other after a period of time
14. Firewall Filter wouldn't work if IP Route subnet IP address was left blank
15. Support Cisco GRE over IPsec that replies GRE keepalive from Cisco.
16. Support VLAN encapsulation for the packets (from WLAN to LAN) while VLAN tag is enabled.
17. Prevented WLAN SSID broadcast packets being received by LAN ports belonging to different VLAN groups.
18. SIP ALG: "via" information was not being modified correctly
19. Improved: Support blocking RaidCall (v7.0), PPStream (v2.7.0.1512) and Teamviewer (v8.0.16284, v7.0.15723).
20. Improved: Add the option of RC Voice in CSM>>APP Enforcement Profile.
21. Improved: Dropbox is blocked when "Wujie/UltraSurf" is ticked.

22. Improved: The load balance policy can be specified to WAN/VPN tunnel with dedicated source (Src) and destination (Dest) IP settings in the WAN>>Load Balance Policy page.
23. Add the option of Enable/Disable for each WAN to join auto-load balance member.
24. Improved: Support "messagebird.com" as SMS Service.
25. Improved: Support "www.lusosms.com" as SMS service
26. Improved: Support special character "-" in SMS/Recipient and WAN/Display Name.
27. Improved: Support the feature of H.323_alg passthrough.
28. Improved: Support an option of All for WAN Interface in NAT >> Open Ports.
29. 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.
30. Prevents PPTP log in if LAN-to-LAN profile enabled without setting username/password.
31. Improved: SNMP client is unable to connect to the router on IP Routed subnet.
32. Improved: The router accepts asterisk (*) as the administrator password.
33. Improved: No system reboot after setting LAN Port Mirror.
34. Improved: When the user accesses into a website that two categories detected by Commtouch, the router can only show/handle one category.
35. Improved: Support vodafone K3772-Z modem.
36. Improved: Limit for LAN 2/3/4 IP Pool Counts field.
37. Improved: Bandwidth Limit can input other subnet IP address.
38. Improved: Bind IP to MAC function can't work correctly.
39. Improved: UPnP can't not work properly.
40. Improved: DHCP table shows Conflicted IP Address.
41. Improved: Add checkboxes of "Always On" and "Dial On" for IPv6 AICCU.
42. Improved: Add VoIP Inter-digit timeout for TR-104.

Firmware Version	3.6.3
Release Date	14th December, 2012
Build Date	29th November, 2012
Applicable Models	Vigor 2920 series

New Features

1. Add SNMPv3 support
2. Add SMS object and Notification object configuration for SMS application.
3. Support customized profile for DDNS.
4. Support printer client print information to syslog.
5. Support web portal for LAN.

Improvement

1. Disable QoS setting by default for non-VoIP models.
2. Resolved stability issue caused by the WCF mechanism.
3. IP Route Option in Bandwidth Limit page wouldn't stay disabled after a reboot
4. While using an IP routing subnet, the external client can't access internal routing client via RDP.
5. A VPN profile with static IP assignment can allow more than one users dial in.
6. QoS classify error for transmission traffic to VPN L2TP tunnel.
7. Windows7 takes 30 seconds to register L2TP over IPsec VPN connection when MS-CHAPv2 is in use.
8. Improvements to VPN server for processing more than 10 Remote Dial-In Users
9. DHCP over IPsec improvements
10. DMZ/Open Ports page is not allowed to choose IP address in bind IP list.
11. May not connect to specific IPv6 tunnel broker.
12. Wake on LAN doesn't work well when enabling LAN VLAN tag.
13. Wake on LAN doesn't work after 15 minutes while using WakeOnLanGui.exe on WAN side.
14. Solve the WAN1/WAN2 link speed problem.
15. Corrected an issue with running Wireless AP Discovery
16. Fixed Wireless schedule
17. Wireless clients with 802.1x may not connect to the router after router reboot.
18. Got error message while setting the bandwidth limit.
19. WAN2 QoS syslog display error.
20. Corrected QoS traffic graph or the "Other" class in WAN 2
21. WAN Incoming ICMP packets can not ping "routing subnet" interface IP.
22. TR-069 stun didn't work after changed the stun server port
23. PPPoE dial-up may fail after received CCP Request.
24. DHCP Table shows many additional DHCP entries when changing LAN1 subnet mask.
25. The router will broadcast DHCP request across all VLANs which are isolated from each other.
26. If outbound proxy is enabled, the first destination/stop for all the outgoing SIP messages from our router should be the "outbound proxy" specified.
27. Softphone is connected behind NAT. When we make the outgoing call, the syslog still shows " 0 VoIP calls detected...(NAT:0) ".

28. Add limitation for the maximum length of password in VPN profile.
29. Support DHCP relay for each VLAN (LAN 2 to LAN4).
30. Add flash hook minimum and maximum time for VoIP model.
31. Add the feature of Enable ping to keep alive for VPN connection for TR-069.
32. Add TR-09 parameter support for "setting WAN Connection Detection", "WAN interface VLAN ID parameters", and "VPN lan to lan status parameters"
33. Support TR-069 packets out via LAN interface.
34. Support that each subnet has a configurable DHCP server lease time.
35. Support that a DHCP syslog can be issued whenever an IP has been given out returned back from the pool.
36. Support GRE over IPsec with Cisco (4 bytes GRE header).
37. Support to block ultrasurf.
38. Support the Oray DDNS.
39. Improved wireless WPA2/802.1x mode with Linux Radius Server.
40. Alert Mail for Test and WAN disconnection doesn't bring the set Router Name.
41. Corrected issue where Yahoo Email is blocked by APPE>>MISC>>Wujie/UltraSurf.
42. Brazil SIP RFC3261 conformance Test.
43. Changed the word from "Edit" to "Update" on Bandwidth Limit page.
44. Change Moscow GMT Time zone from GMT+3 to GMT+4.
45. Support Wake on LAN for UDP Port Redirection for any (0.0.0.0) host by telnet command.
"wol fromWan <on/off/any>"
46. Improved: Support to disable the WINS server in DHCP configuration by telnet command.
"srv dhcp primWINS clear" "srv dhcp secWINS clear"
47. Configure IGMP Query packet interval by telnet command. "ip igmp proxy query <msec>"

Firmware Version	3.6.0
Release Date	11th July, 2012
Build Date	8th July, 2012
Applicable Models	Vigor 2920 series

New Features

1. Support added for IPv6.
2. Support added for Smart Bandwidth Limit.
3. Support DNS setting for each LAN subnet.
4. Support LAN wired 802.1x.
5. Support QoS retag.

Improvements

1. Corrected: Issues setting static route doesn't work when multi-subnet is enabled.
2. Corrected: LAN1 will be displayed always while setting any static route for LAN2/3/4.
3. Corrected: Routing table display error in Diagnostic>>Routing Table page.
4. Corrected: Wrong LAN interface for static ARP is displayed.
5. Corrected: Both computers with the same VLAN cannot communicate for each other when connecting to different switch.
6. Corrected: IGMP snooping problem.
7. Corrected: Can not open the Switch P2260 web configurator via External Device.
8. Corrected: The wireless client can't access internal network from another AP and return to Vigor2920 wireless LAN.
9. Corrected: DNS function does a force update even though no WAN IP changed.
10. Corrected: DHCP Relay via VPN tunnel can not work.
11. Corrected: Remove incorrect log entry of PPP start (XXX), before it is authenticated by CHAP/PAP.
12. Corrected: IP Phones behind Vigor2920 cannot get registration after WAN Failover (Router sent UDP packets with source port 0).
13. Corrected: 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.
14. Corrected: Firewall can't block internal routing subnet packets.
15. Corrected: UCF Syslog cannot show HTTP or HTTPS.
16. Corrected: Can not show the FTP file list when Android phone connecting to Vigor2920 FTP server.
17. Corrected: ISDN Internet connection cannot work with miniVigor128.
18. Improved: Remove Ultrasurf from WUI.
19. Improved: Modify UCF/WCF block web page.
20. Improved: Support IP Route subnet parameters setting for TR-069.
21. Improved: Support firewall parameters setting for TR-069.
22. Improved: Support RADIUS parameters setting for TR-069.
23. Improved: Support Maintenance >> SysLog / Mail Alert Setup parameters setting for TR-069.
24. Improved: Modify the default pool size of LAN DHCP server from 50 to 150.

25. Improved: Online Status shows error Secondary DNS value.
26. Improved: Improve VPN Profile WUI.
27. Improved: Improve Samba with MacOS X.
28. Improved: Modify the Telnet command of "ip arp accept <0/1/2/3/status>" to allow the ARP REPLY which Target's MAC address does not equal to Ethernet source MAC address.
29. Improved: Enhance VoIP QoS.
30. Improved: Add new DDNS provider (UBDdns, Oray, and Peanut Shell).
31. Improved: Support modems such as ZTE K3806, and MF192, and MF190J, QT-R220, LG VL600 LTE, LTE Yota LU150.
32. Improved: Add a telnet command for VPN packets going through by NAT or not when VPN disconnects. vpn pass2nat <on/off>

Firmware Version	3.3.7.1
Release Date	18th April, 2012
Build Date	8th November, 2011
Applicable Models	Vigor 2920 series

New Features

(None)

Improvements

1. Correct issue with PPPoE connection via some ISPs
2. Fixed: Configuration backup might cause system crash for TR-069.
3. Improved: Add parameters for wireless connection for TR-069.
4. Support IPSEC X.509 with Cisco Router for VPN.
5. Support VoIP call via VPN.
6. Support Huawei E173, Nokia CS11/CS12, Alcatel X200L, ZTE MF110/MF190/K3571-Z for 3G connection.
7. Support accessing into WUI by using Safari browser for web authentication.
8. Support DDNS service through freedns.afraid.org.
9. Support add/delete object for TR-069.

Firmware Version	3.3.7
Release Date	25th November, 2011
Build Date	3rd October, 2011
Applicable Models	Vigor 2920 series

New Features

1. Support up to 30-nodes with DrayTek SmartMonitor
2. Support VPN Backup for VPN TRUNK Management.
3. Support multiple subnets for LAN configuration.
4. Support BPjM for Web Content Filter in Service Activation Wizard.
5. Support Auto-detection mechanism to display other DrayTek devices (routers, switch, AP) on the same subnet. See [External Devices] setting in Web UI.
6. Support Address Mapping for NAT configuration.
7. Support hardware MD5/SHA1 encryption.
8. Allow Mail Alert to send emails with VPN notifications.

Improvement

1. Corrected: Cannot input 64 character IPSEC Pre-Shared key via Telnet.
2. Corrected: RADIUS authentication doesn't work via VPN tunnel.
3. Corrected: DNS query always fails if DNS server is not in WAN side.
4. Corrected: Unencrypted PTP connection can be established even if "Require MPPE" or "Maximum MPPE" is selected.
5. Improved: telnet login attempts recorded to Syslog
6. Corrected: DDNS does not upgrade automatically when the DDNS account is set for WAN2 only.
7. Corrected: XBOX 360 can not be connected to Vigor2920 with WPA2.
8. Corrected: Between Vigor2920n and Vigor AP700, only WEP can be used in Wireless LAN >>WDS for the network security.
9. Corrected: NAT session maintenance/housekeeping improvements
10. Corrected: RIP over VPN does not work.
11. Corrected: DoS defense still active even if set to disabled.
12. Corrected: Can not connect VPN via 3G (WAN3) when WAN1 or WAN2 is connected.
13. Corrected: Data Flow Monitor does not show TX value for monitored IP address and RX value for WAN1 on PPTP Host-LAN environment.
14. Corrected: My WAN IP setting does not work for PPTP in VPN NAT mode.
15. Corrected: Can not create LAN-to-LAN VPN connection via WAN3 when WAN1 or WAN2 is connected.
16. Corrected: Buffer leak occurs when IPSec Aggressive mode is used and set with local IP address.
17. Corrected: User-Based mode of user management does not work if HTTPS management port has been changed.
18. Corrected: WAN cannot get IP from DHCP server when Block Fraggle Attack is checked in the page of Firewall>>DoS Defense.
19. Corrected: Ping detection failed when target IP and gateway are in the same subnet.

20. Corrected: When WAN 1 is disconnected, the router can not send the SIP register packets of internal VoIP phones via WAN2 port automatically.
21. Corrected: General NAT mechanism improvements including fixes for NAT session issues seen with IP phones.
22. Improved: SIP address format (either Withheld@X or anonymous@X) can be blocked if Block Anonymous under VoIP>>DialPlan>>Call Barring is configured.
23. 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.
24. Improved: Correct some SNMP information for LAN status.
25. Improved: Total TX/RX information can be shown in Diagnostics>>Traffic Graph.
26. Improved: Improve the compatibility with VigorACS SI.
27. Improved: Support Syslog Explorer with Web Syslog and USB Syslog under USB Application.
28. Improved: Support Comment feature in LAN>>Bind IP to MAC.
29. Improved: The limit settings for Bandwidth Limit can be modified in Kbps or Mbps.
30. Improved: Support disable/enable user mode on WUI. The default setting is disabled.
31. Improved: Add a new telnet command "voip sip misc -D" to disable/enable VoIP service.
32. Improved: Add a new telnet command "srv dhcp custom_option" that allows a user to enter custom-made "DHCP option".

Firmware Version	3.3.6
Release Date	6th December, 2010
Build Date	17th November, 2010
Applicable Models	Vigor 2920 series

New Features

1. Add Support Area with Product Registration function on WUI.
2. Add shared mode to bandwidth limitation.
3. Add signatures to block APP including MSN web games and APP actions, voip application: TeamSpeak 3.0, ICQ web access, ICQ Zones, YahooIM SSL Login and YahooIM Invite Voice, YahooIM Register SIP, YahooIM Invite SIP.
4. Add SMTP port configure for mail alert function.
5. Support logging Web UI system reboot information to Syslog.
6. Support static IP mode on VPN remote dial-in.
7. Support Corbina PPTP/L2TP server.
8. Support GlobalView Web Content Filter (WCF) service
9. Support mOTP.
10. Support User Management.
11. Support USB File System.
12. Support ISDN USB (MiniVigor 128).
13. Support WLAN SSID VLAN.
14. 3G HSO driver supports ping detection.
15. Support 3G modem including Alcatel X200X and Mobidata MBD-220HU (china), DLink DWM 156 new firmware, ZTE MF628 and Vodafone K3565-Z.
16. Support Multi-VLAN tagging for Ethernet WAN(1).
17. 3G WAN interface can be used independently or be the backup WAN interface for WAN1/WAN2.
18. Support jumbo frame feature on Giga switch (telnet command only).

Improvement

1. Improved: Got problem while using IE8 browser, Chrome browse and Safari browser on System Status of WUI.
2. Improved: Upgrade VoIP TAPI driver to v3.7.1.
3. Improved: Allow the IP address and domain name in VPN setup command.
4. Improved: Add more WLAN/VLAN parameters for TR069.
5. Improved: Can not accept the invite packet of VoIP while packet size is more than 2048 bytes.
6. Improved: Add a telnet command wan ppp_mru <WAN interface number> <MRUbytes> to fix the PPP IOP issue in Netherlands VDSL networks.
7. Improved: Modify the Interval Time of Periodic Inform Settings on System Maintenance>> TR-069 from 900 to 3600 seconds to reduce the ACS server loading.
8. Improved: WAN cannot get IP from DHCP server when Block Fraggle Attack on Firewall>>DoS Defense is enabled.

9. Improved: Remove Winny from CSM list because behavior detection method to block winny sessions can cause false-positive matches and block some normal sessions.
10. Improved: Remove syslog message if wireless security mode is 802.1x with WEP.
11. Improved: Use Router's Model name as UPnP friendly name.
12. Improved: Support IPSec AES in Phase I for Aggressive mode.
13. Improved: Remove the restriction of Open Ports that local IP and LAN IP must be in the same subnet.
14. Improved: Send TR069 BOOTSTRAP packet to ACS server while the router is reset to default.
15. Corrected: HSO driver won't disconnect broadband connection while removing the device.
16. Corrected: SSH remote management doesn't work when DMZ is open to a host.
17. Corrected: Router instability while executing WLAN restart.
18. Corrected: Router instability while running Foxy/eMule services.
19. Corrected: Router instability while WLAN is on auto channel selection mode.
20. Corrected: The connection is "broken" for 30-60 sec every 30-min because of incorrect T1/T2 lease time of DHCP client.
21. Corrected: VPN LAN to LAN profile error after retrieving the factory default setting from WUI.
22. Corrected: Handling DNS request for SRV type and no answer issue
23. Corrected: Router accepts PPTP/L2TP sever assigned IP address in IPCP negotiation, but it can be overwritten with fixed address if set in IPCP opening.

Firmware Version	3.3.2.3
Release Date	March 04, 2010
Applicable Models	Vigor 2930 series

First Firmware Release.

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