

Release Notes for DrayTek Vigor 2110 (UK/Ireland)

Firmware Version	3.7.2
Release Type	Critical – Upgrade recommended immediately
Release Date	31 st May 2018
Build Date	25 th May 2018
Revision	74009
Applicable Models	Vigor2110, Vigor2110n, Vigor2110Vn
Locale	UK Only

New Features

(None)

Improvement

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 check 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. Access List does not apply to the router's TR-069 Management service, which uses TCP 8069 by default
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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	3.6.8.6
Release Type	Critical – Upgrade recommended immediately
Release Date	28 th December 2016
Build Date	6 th December 2016
Revision	61030
Applicable Models	Vigor2110, Vigor2110n, Vigor2110Vn
Locale	UK 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	2nd March 2015
Release Date	12th March 2015
Applicable Models	Vigor2110, Vigor2110n, Vigor2110Vn
Locale	UK Only / Annex A Only

New Features

1. Support for DNS Filter, located under [CSM] > [DNS Filter] - this applies the Web Content Filter at DNS level to block HTTPS sites.

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	Vigor2110, Vigor2110n, Vigor2110Vn
Locale	UK Only / Annex A Only

New Features

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

Improvements

1. Update OpenSSL 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 DHCP 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.

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	3.6.5 (Release)
Release Date	7th July 2013
Build Date	6th June 2013
Applicable Models	Vigor2110, Vigor2110n, Vigor2110Vn
Locale	UK Only / Annex A Only

New Features

1. Wireless Wizard.
2. Support IPv6 printer service.
3. Support IPv6 NTP service.
4. Support Editing DHCP Options (ASCII/Hex) on web user interface.
5. Support USB Device Status for modem and disk.
6. Support APPE Support List.
7. Support DHCP client identifier for some ISP. (DHCP Option 61 with PPP username/password)
8. Support the DNS 8.8.8.8 for web content feature (WCF) function when authentication
9. Improved handling of IPv6 AICCU neighbor packets out.
10. The router can't provide correct WLAN country code to Mac and Linux machines.
11. Wireless clients still can see WLAN SSID when the wireless function of the router is turned off by schedule.
12. Two IP phones behind NAT are unable to call each other after a period of time.
13. WAN connection detection issue on WAN configuration and 3G backup WAN.
14. Improved: SIP "via" information will not be modified by SIP ALG.
15. Support Cisco GRE over IPSec that replies GRE keepalive from Cisco.
16. Support blocking RaidCall (v7.0) and PPStream (v2.7.0.1512).
17. Add the option of RC Voice in CSM>>APP Enforcement Profile.
18. Support "messagebird.com2, "www.lusosms.com" as SMS Service.
19. Support special character "-" in SMS/Recipient and WAN/Display Name.
20. Improved: Support the feature of H.323_alg passthrough.
21. Improved: Support an option of All for WAN Interface in NAT >> Open Ports.
22. 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.
23. asterisk (*) char now accepted in administrator password.
24. Improved: No system reboot after setting LAN Port Mirror.
25. Improved: When the user accesses into a website that two categories detected by Commtouch, the router can only show/handle one category.
26. Support vodafone K3772-Z modem.
27. Bandwidth Limit can input other subnet IP address.
28. Bind IP to MAC function improvements
29. UPnP improvements
30. Improved: Add checkboxes of "Always On" and "Dial On" for IPv6 AICCU.
31. Improved: Add VoIP Inter-digit timeout for TR-104.

Firmware Version	3.6.3 (Release)
Release Date	9th January 2013
Build Date	16th October 2012
Applicable Models	Vigor2110, Vigor2110n, Vigor2110Vn
Locale	UK Only / Annex A Only

New Features

1. IPv6 support added
2. Smart Bandwidth Limit support added
3. Support for QoS DiffServ retagging added
4. VoIP Wizard added

Improvements

1. Corrects an issue that could cause Dynamic DNS to force update even though there was no WAN IP change
2. Removed incorrect PPP start (xxx) log entry where incoming client is unknown prior to CHAP/PAP authentication
3. Addresses an issue that would prevent Android phone from obtaining FTP file list from Vigor 2110 FTP server
4. Corrects an issue where NAT port redirection for a WAN1 Alias IP doesn't work when port redirection setting doesn't specifically list the Alias
5. Addresses an issue with True IP DMZ
6. Wireless country string corrected
7. Addresses an issue that could occur with the wireless AP Discovery feature
8. User can send fax using both T.38 protocol and G.711
9. Resolves an issue which would prevent IP Phones behind the Vigor 2110 from registering after a WAN failover because the router would send UDP packets with a source port of 0.
10. DHCP Relay via VPN tunnel fixed
11. Addresses an issue with GRE IPsec tunnels
12. Resolves an issue that would prevent AES192 or AES 256 being used as the IKE proposal if AES without authentication is selected as the IPsec Security method
13. URL Content Filter Syslog improved so that it displays HTTP or HTTPS
14. Fixed an issue that could case CPE to loss connection when it connects to VigorACS server with STUN server.
15. WCF service stability improved
16. Correct error with Secondary DNS displayed in Online Status
17. Clear button added to SIP account page
18. DHCP server lease time added
19. Syslog improved to show which devices have been allocated IP by router
20. Added support to allow the router to send the TR-069 packet out via LAN interface
21. Support GRE over IPsec with CISCO. (4 bytes GRE header)
22. Modified the default pool size of LAN DHCP server from 50 to 150.
23. Added new DDNS provider (UBDdns, Oray, and Peanut Shell).
24. Improve Samba compatibility with Mac OS X.

25. Bandwidth Limit range changed to 0 - 30000
26. Port Redirection can shows WAN Interface for each rule in the main page.
27. Application Filter updated to support dropbox version 1.4.11 and skype version 5.10.56.116.
28. "Undefined Protocol" DoS defense function renamed as "Unassigned Numbers"
29. Updated 3G modem support including MF190J, AnyDATA ADU-500A, LG VL600 LTE, and LTE Yota LU150.
30. Improve the connection performance for Huawei E398/K5005 and Sierra 320U dongle.
31. Default QoS setting changed to disabled for non-VoIP models
32. QoS for VoIP enhanced
33. ALG for SoftPhone Polycom and lift-size improved
34. VPN Profile WUI improved
35. UCF/WCF block web page modified
36. SNMP's sysDescr now shows model name and firmware version.
37. TR-069 support added for IP Route subnet parameters, firewall parameters, RADIUS parameters, WAN Connection Detection and SysLog / Mail Alert Setup parameters
38. 3G WAN connection Signal parameter status added to TR-069 Renamed TR-069 parameter "InternetGatewayDevice.X_00507F_Firewall.DoSDefense.BlockUnknownProto" to "InternetGatewayDevice.X_00507F_Firewall.DoSDefense.BlockUnassignedNum"
39. 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>'
40. IGMP Query packet interval time command added: 'ip igmp_proxy query [msec]'
41. VoIP Flash hook minimum and maximum time command added to CLI/telnet
42. Added a telnet command to allow VPN packets to instaed go through by NAT if VPN disconnected 'vpn pass2nat <on/off>'

Firmware Version	3.3.7 (Release)
Release Date	21st June 2012
Build Date	7th May 2012
Applicable Models	Vigor2110, Vigor2110n, Vigor2110Vn
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. Added Address Mapping under the NAT menu.
4. Supports hardware MD5/SHA1 encryption.
5. Supports Syslog Explorer with Web Syslog and USB Syslog under the USB Application menu.
6. Allow Mail Alert to send emails with VPN notifications.
7. Supports DDNS when using the 3G backup connection.
8. Supports login customization (can be configured in System Maintenance > Login Customization).
9. Supports SMS service to send notification when the WAN connection fails (requires 3G backup & SMS service account)

Improvements

[VoIP]

1. Improved: Added a telnet command to disable/enable internal VoIP service "voip sip misc - D" on 2110Vn.
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. Corrected: WAN cannot get IP from DHCP server when Block Fraggle Attack is checked under Firewall > DoS Defense.
7. Corrected: Ping detection fails when the target IP and gateway are in the same subnet.

[General]

8. Improved: Added a telnet command to set user-defined custom DHCP options "srv dhcp custom_option"
9. Improved: Supports disabling/enabling user mode in the web interface. The factory default setting is disabled.
10. Improved: Improved compatibility with VigorACS SI v1.08.

11. Improved: Corrected some LAN status SNMP information.
12. Improved: Shows correct German umlauts in Samba server.
13. Improved: A Reboot could occur while printing with the USB port for some printers.
14. Corrected: QoS may not work correctly if the firewall is disabled.
15. Corrected: Data Flow Monitor did not show TX & RX value for the monitored IP address when using WAN on PPTP Host-LAN environment.
16. Corrected: RIP over VPN may not work.
17. Corrected: My WAN IP setting does not work when using PPTP in NATted VPN mode.
18. Corrected: Buffer leakage occurs when IPSec Aggressive mode is used and configured with a local IP address.
19. Corrected: User-Based mode of user management does not work if HTTPS management port has been changed.
20. Corrected: Firewall caused a problem with SIP registrations.
21. Corrected: If a URL block profile is set to block "xxxxxx". Syslog would display http://xxxxxx when a user visits https://xxxxxx.
22. Corrected: Removed "Ultrasurf" from App Enforcement.
23. Corrected: VPN assigns wrong IP when the subnet is smaller than /24 and the DHCP server is disabled.
24. Corrected: Web user interface inaccessible through VPN tunnel (Telnet interface still works).
25. Corrected: VPN via 3G may fail to connect when WAN1 is connected.
26. Corrected: Firewall could not block internal routing subnet packets.

Firmware Version	3.3.6 (Release)
Build Date	14th March 2011
Applicable Models	Vigor2110n, Vigor2110Vn
Locale	UK Only

New Features

1. Add Web Content Filter (WCF) Service Activation Wizard.
2. Add Bridge mode setting for PPPoE connection and Static or Dynamic IP connection of Internet Access.
3. Add APP QoS to Firewall

Improvements

1. Corrected: 3G backup is unable to work when the backup type is chosen as the active mode.
2. Corrected: A crash occurs if a space bar is pressed after typing "qos class -V 1" telnet command.
3. Corrected: Domain name cannot be used in STUN server IP field in TR-069 web page.
4. Corrected: Some logical mistakes about file finding for USB storage occurred.
5. Corrected: Samba server cannot display correct German information.
6. Corrected: Set default Busy tone and Congestion tone parameters for UK.
7. Corrected: A crash occurred while clicking Firewall>>General Setup page or view Filter Rule.
8. Corrected: When SNMP scans 1.3.6.1.2.1.4.20.1.1, the router returns 0.0.0.0 in WAN PPP mode.
9. Corrected: IPSec VPN LAN to LAN tunnel cannot be up when WAN2 First is selected.
10. Corrected: IPSec AES in Phase I cannot be supported for Aggressive Mode.
11. Corrected: Access list blocks router web page from remote VPN network.
12. Corrected: May meet buffer leakage while L2TP over IPSec is chosen for VPN and PPTP/PPPoE is chosen for WAN.
13. Corrected: NAT loopback doesn't work properly in PPPoE connection for ARP of WAN client can not pass through 2nd subnet of LAN.
14. Corrected: Incorrect Probe Response content packet will be sent to wireless client in wireless connection.
15. Corrected: Wireless connection may drop the connection in some circumstances.
16. Corrected: Modify the Syslog prompt of the wireless security setting.
17. Corrected: Anonymous calls cannot be blocked.
18. Corrected: VoIP debug show message cannot be duplicated to Syslog tool.
19. Improved: Add a new telnet command and switch function to enable flow control for WAN1ethernet PHY. "port wanfc 1 [on/off]" : default wan1 flow control is on.
20. Improved: The caller ID of PSTN call cannot be displayed.
21. Improved: Disable 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]
22. Improved: Warning message would appear while MTU size is set lower than 1000.
23. Improved: Add prevention to avoid set same value to Call Filter and Data Filter.
24. Improved: Modify user password for admin operation mode and user operation mode.

25. Improved: Shared item added to Bandwidth Limit web page.
26. Improved: WAN Inbound Bandwidth and WAN Outbound Bandwidth added for QoS web page.
27. Improved: The system must wait for 60 seconds for triggering 3G connection while PPPoE/MPoA mode is disabled and 3G backup mode is enabled.
28. Improved: Increase the length of AT command string for 3G modem.
29. Improved: Remove VPN message (IPSEC and L2TP over IPSEC) shown in "WAN log" to "VPN log".
30. Improved: Add a new telnet command for "Change default route to this VPN". vpn option <index> droute=on/off.
31. Improved: Add a new telnet command to control "Display Name" as "PADI service name" for WAN. internet -P <on/off> : on --- "Display Name" can be treated as "PADI service name".
32. Improved: Add a new function to Save Syslog to USB disk.
33. Improved: Add a "Delete" button for deleting Static Route.
34. Improved: Support TR-069 parameter for VigorACS SI.
35. Improved: Support a link for product registration.
36. Improved: Add the static route for IPSec LAN to LAN with NAT mode.
37. Improved: Support an option of WINS information field for DHCP function.
38. Improved: Support new 3G modem Option, such as GI1505, Nokia CS-15, Sierra 888, Ovation MC990D, Mobidata MBD-220HU, and BandLuxe C321.

Firmware Version	3.3.5.1 (Release)
Release Date	4th October 2010
Build Date	4th August 2010
Applicable Models	Vigor2110n, Vigor2110Vn
Locale	UK Only

Improvements

1. Corrected: Globalview WCF Activation wizard was missing in the web interface.
2. Corrected: SSH remote management doesn't work when DMZ host is configured.
3. Corrected: The router will not accept invite packets if the packet size is more than 2124 bytes.
4. Corrected: An incoming fax with T.38 could cause router instability.

Firmware Version	3.3.5 (Release)
Release Date	8th September 2010
Build Date	4th August 2010
Applicable Models	Vigor2110n, Vigor2110Vn
Locale	UK Only

New Features

1. Support T.38 function
2. Support Globalview WCF
3. Support USB disk file explore on WUI
4. Support MX Type DNS Query
5. Support FSK caller ID detection
6. Support DTMF caller-ID format

Improvements

1. Corrected: Setting problem on Codecs in VoIP >> Phone Settings page.
2. Corrected: Resolved issue where a reboot could occur under some circumstances with VoIP calls.
3. Corrected: Resolved issue where a reboot could occur when doing a call transfer.
4. Corrected: WLAN LED will be on while the WLAN function is disabled using a schedule.
5. Corrected: Resolved issue with PPTP passthrough not functioning correctly.
6. Corrected: Resolved issue saving Interval Time of Periodic Inform Settings in System Maintenance>>TR-069.
7. Corrected: Crash occurs when TR-069 session times out.
8. Corrected: HTTPS URL (without port) setting in ACS Server URL for TR-069 function doesn't work.
9. Corrected: Web interface error while setting service name or comment with '\' in NAT >> Port Redirection or NAT >>Open Ports page.
10. Corrected: Resolved disconnection / reboot issue when enabling ping detect with 3G backup.
11. Corrected: Resolved the issue that a certificate may not be sent out while sending Cert Request in inR2_outR3 or some remote sites like Cisco PIX.
12. Corrected: Fixed a problem with an established PPTP tunnel receiving a protocol rejected message from the peer.
13. Corrected: IP trace route and IP ping use the wrong source IP addresses when using PPTP/L2TP WAN when the destination IP is set as a static route.
14. Corrected: Resolved issue with True DMZ in which the router's NAT would block GRE requests, which would stop PPTP VPN connections establishing.
15. Improved: Modified "Static or Dynamic IP (DHCP client)" to "Static or Dynamic IP" on MPoA page.
16. Improved: Support for HuaWei E1762/E1550 3G modems.
17. Improved: The login page now shows an error message if the username / password are incorrect.

18. Improved: An issue with multiple Draytek DHCP servers using the same transaction ID has been resolved.
19. Improved: Modified the telnet command (arp cache table) for deleting the ARP entry, from 180 seconds to 40 seconds once ARP cache entry expires.
20. Improved: Reword the "ip arp setCacheLife" command.
21. Improved: The web interface page for Hardware Acceleration has been removed due to auto detection by Vigor router.

Firmware Version	3.3.2.3 (Release)
Release Date	8th September 2010
Build Date	4th March 2010
Applicable Models	Vigor2110n, Vigor2110Vn
Locale	UK Only

New Features

1. Support Vigor ACS SI

Improvements

1. Corrected: Resolved issue with VoIP. When both phones have a call in progress, if Phone 2 hangs up to pick up an incoming PSTN call, the router will reboot.
2. Corrected: The router reboots while carrying out two consecutive Call Transfers.
3. Improved: display error message for username or password in login page.

Firmware Version	3.3.2 (Release)
Release Date	4th Feb 2010
Build Date	27th Nov 2009
Applicable Models	Vigor2110n, Vigor2110Vn
Locale	UK Only

New Features

1. Support USB Disk Application (FTP/Samba).
2. "twodns" DDNS service.
3. Show source MAC address on Syslog for LAN to WAN packets.
4. Added support for Sierra 597 USB 3G Modem.
5. Add Specify Gateway IP Address in Internet Access >> PPTP web page.
6. Add L2TP in Internet Access >> PPTP web page.
7. Support domain name in PPTP server address page.

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: Some problems occurred on WUI.
7. Corrected: Can not get TR069 parameters after meeting TR069 connection timeout.
8. Corrected: Firmware upgrade may be failed when upgraded by TR069.
9. Corrected: UCF can save 12 objects, only.
10. Corrected: Call filter malfunctioning.
11. Corrected: Failure of running IP Ping through PPTP of VPN.
12. Corrected: Adding UPNP port mapping failed.
13. Corrected: Connection problem on PPTP NAT pass-through.
14. Corrected: Got connection problem while adding session(s) to Hardware PPA table if the packet comes from WLAN.
15. Corrected: Incorporate hardware acceleration into data flow monitor.
16. Corrected: Problem in PPTP WAN DHCP mode.
17. Improved: Wildcard '?' can be used in Digit Map.
18. Improved: Allowed VoIP number starting with # for non-IP calls.
19. Improved: Wireless interoperability with Vigor AP700 while using WDS with WPA or WPA2 mode.
20. Improved: Mouse cursor stays on the field of Username in Login page of Web UI.
21. Improved: Add/modify some TR069 parameters.
22. Improved: Router stability against NMAP scan.
23. Improved: Bridge mode may not work after powering off/on.
24. Improved: Add/modify some IM/P2P signatures.

25. Improved: ARP cache life settings stored to flash so that value is saved even after reboot of the router.
26. Improved: Increase compatibility with more stun servers.

Firmware Version	3.3.1.2 (Release)
Release Date	24th November 2009
Build Date	29th October2009
Applicable Models	Vigor2110n, Vigor2110Vn
Locale	UK Only

Improvements

1. Improved: 3G uploaded performance improved for certain conditions
2. Corrected: Resolved issue where Call Transfer to local phone could trigger reboot. Busy tone now played when call transfer to local phone attempted.
3. Corrected: Redialing a phone to PSTN via "digit map" and "phone book" will cause loop tone and can't be stopped when PSTN is in use.
4. Corrected: Flashing LED if SIP phones are in use and PSTN is incoming.
5. Corrected: Problem of Model Name shown in WUI and TR069.
6. Corrected: Close TR069 port if the router is disabled.
7. Corrected: Inform with default WAN connection ExternalIPAddress for Tr069.
8. Corrected: Can't hear anything when a phone is dialed to an iptel account with SIP number.
9. Corrected: VPN services enabled by default. To enabled VPN pass through, disable VPN services via telnet

```
vpn remote PPTP off
vpn remote ISpec off
```

(NOTE: case sensitive command!)
10. Corrected: Got undefined error in Ping Diagnosis WUI.
11. Corrected: Got a warning message in Diagnostics >> Traffic Graph WUI
12. Corrected: Cannot reset session of date flow monitor while using "portmuptime -f" command.

Firmware Version	3.3.1 (Release)
Release Date	10th August 2009
Build Date	29th July 2009
Applicable Models	Vigor2110n, Vigor2110Vn
Locale	UK Only

New Features

1. Support 3G backup function. Please send any reports of new USB modems that you have used with the Vigor2110 to <http://www.draytek.co.uk/support/techquery.html>

Improvements

1. Improved: Added protection mechanism for blocking loop-through while making PSTN on-net/off-net.
2. Improved: enable echo canceller to improve line echo.
3. Corrected: FTP connection session is not added into PPA table.
4. Corrected: VoIP CODEC negotiation capability.
5. Corrected: PPLive can't be blocked.
6. Corrected: Wrong word display for telnet command of "sys autoreboot".
7. Corrected: While doing the second loopthrough on phone2, the router cannot loop through to PSTN line normally.
8. Corrected: A system crash will occur when ringing from PSTN line and network side at the same time.
9. Corrected: LED does not flash when an incoming call arrives via PSTN.

Firmware Version	3.2.1 (First Firmware Release)
Release Date	2nd May 2009
Build Date	22nd September 2008
Applicable Models	Vigor2110n, Vigor2110Vn
Locale	UK Only

First Firmware Release for this model

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