

## Release Notes for DrayTek Vigor 2925 series (UK/Ireland)

Firmware Version	3.8.5 (Formal Release)
Release Type	<b>Regular</b> – Upgrade recommended when convenient
Build Date	30 <sup>th</sup> November 2017
Release Date	17 <sup>th</sup> December 2017
Revision	69729
Applicable Models	Vigor 2925, Vigor 2925n, Vigor2925ac, Vigor2925n-Plus, Vigor2925Vn-Plus
Locale	UK & Ireland Only

### New Features

1. [Hotspot Web Portal] replaces [LAN] > [Web Portal Setup]
2. Support for IPsec IKEv2 for LAN to LAN tunnels and Remote Dial-in User VPN clients that support Pre-Shared-Key authentication
3. [Wireless LAN] > [Roaming] has new Router-assisted Client Roaming options to disassociate clients based on RSSI (recommended) or data rate, compatible with VigorAP AP-Assisted Mobility: <https://www.draytek.co.uk/information/our-technology/wireless-optimisation#ap-assisted-mobility>
4. Supported LAN subnet size increased to 1023 IP addresses per subnet (/22)
5. Added [NAT] > [ALG] menu to configure the router's SIP & RTSP ALG (Application Layer Gateway) functionality
6. Support for BGP (Border Gateway Protocol)
7. Remote Monitoring & Management (RMM) mechanism added for use with VigorACS
8. LAN IP Alias added to [LAN] > [General Setup] to define which WAN is used for outbound traffic by sending to a different Gateway address for the router
9. Forward packets from WAN to VPN tunnel (single-arm VPN)
10. WAN Connection Detection - Ping Detect now supports Primary/Secondary Ping IP, Interval & Retry parameters
11. Switch Management now supports Alert & Log, which stores and notifies of events such as port disconnections for connected VigorSwitches
12. Added Bandwidth Utilisation Notification Settings to [System Maintenance] > [TR-069] to give more detailed bandwidth usage information to VigorACS

### Improvements

1. Improvements to Wireless WAN (WAN2) mode WPA2 security to protect against WPA2 Key Reinstallation Attack (KRACK), for more details please read this security advisory: <https://www.draytek.co.uk/information/our-technology/wpa2-krack-vulnerability>
2. Default Protocol for NAT Port Redirection entries is now "TCP/UDP"
3. Switch Management now supports management of the VigorSwitch P1280
4. Added Users Information section to Hotspot Web Portal (requires USB storage to operate) to store details of users that have connected through the Hotspot Web Portal

5. DNS Filter Local Setting, which performs content filtering on DNS queries to the router's IP address, now supports a whitelist / blacklist of IP addresses/IP groups to control access to the router's DNS server
6. Auto backup router configuration to USB Storage either periodically or upon setting change
7. Resolved an issue with QoS operation when Bandwidth Limit is also enabled
8. Schedule entries can now operate on a set date each month, or daily cycle (max 30 days)
9. Automatic monthly reset of User Profile time/data quotas (with monthly schedule entry)
10. Certificate import can now be performed via CLI using "mngt cert\_import" command via URL
11. LAN Access Control can now disable management interface(s) for LAN1
12. Resolved an issue with DNS that could occur when using the DNS Filter with Web Content Filtering
13. When the router was configured with an external RADIUS server for authentication and Remote Dial-In VPN user accounts configured, authenticating with a user account configured on the router would log an authentication error with the RADIUS server
14. Resolved an issue with manually configured ARP entries which could be cleared from the router's ARP table after 3 minutes
15. [External Devices] "On Line" link now supports non-standard management ports
16. L2TP over IPsec VPN performance was reduced while DoS Defence was enabled
17. DHCP Offer packets are no longer detected as a Trace Route attack in DoS Defense
18. Improved interoperability with Broadsoft ITSP when using SIP ALG
19. Resolved RTSP SSRC value calculation issue
20. [Vn-Plus model only] When receiving a call through the Phone port, some phone handsets would play both a ringing sound and a call hung up sound
21. Enabling WAN Budget for WAN3 / WAN4 would disable Hardware Acceleration for WAN1 / WAN2
22. Improved Path MTU Discovery algorithm to improve compatibility with some connection types
23. Enabling IGMP Snooping could stop IGMP Proxy / IPTV packets passing through to clients
24. Resolved an issue with Hardware Acceleration that could cause problems with web browsing & TCP session handling
25. Syslog data would not save to USB disk correctly
26. Virtual IP Mapping for LAN to LAN VPN tunnels was unable to send traffic to the mapped IP subnet in some scenarios
27. IPsec traffic was not passed correctly to a VPN server connected to a Vigor 2925's Routed Subnet
28. Enabling Hardware Acceleration could stop Bandwidth Limit from taking effect
29. WAN Connection Detection via Ping Detect could fail with some network configurations
30. NAT Loopback did not work for DMZ Host addresses
31. Improved stability of VPN tunnels from a PC to the router's SSL VPN server, when that PC is connected through a mobile phone's Mobile Hotspot wireless network
32. VigorACS could not read [NAT] > [DMZ Host] configuration through TR-069
33. Updating the router's time through NTP could be delayed with some router configurations
34. When DoS Defence was triggered, there was a delay in sending a Mail Alert to notify of this
35. Enabling DoS Defence could stop a Vigor 130 modem connected to a WAN port from displaying DSL information

36. The web interface did not accept IPv6 Object IP addresses ending with “::”
37. Route Policy Diagnostics would indicate an incorrect rule for Route Policies with a domain name specified as the destination
38. Route Policy Diagnostics gave incorrect results for some LAN interfaces
39. VPN traffic could be routed incorrectly when connecting a Dial In VPN tunnel from LAN2 of one router to LAN2 of another router
40. WAN IP Alias addresses did not work correctly with ports opened in [NAT] > [Open Ports]
41. Improvements to [Applications] > [High Availability] Config Sync tab
42. Improved detection of Telnet sessions with App Enforcement
43. Access List was not applied correctly to HTTPS management when additional administrator accounts were configured on the router
44. [Vn-Plus model only] Duration of VoIP calls could not be recorded after performing a call transfer between Phone port 1 & 2
45. Improved session handling when using VPN Trunk in Weighted Round Robin mode

#### **Known Issues**

1. (VoIP models) Fax Mechanism will fail to send multiple papers/files from Phone1 to Phone 2
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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.

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Firmware Version	3.8.4.2 (Formal Release)
Release Type	<b>Regular</b> – Upgrade recommended when convenient
Build Date	6 <sup>th</sup> July 2017
Release Date	2 <sup>nd</sup> August 2017
Revision	66764
Applicable Models	Vigor 2925, Vigor 2925n, Vigor2925ac, Vigor2925n-Plus, Vigor2925Vn-Plus
Locale	UK & Ireland Only

### **New Features**

1. DrayDDNS (DrayTek Dynamic DNS) support added in [Applications] > [Dynamic DNS]
2. Support for extra TR-069 parameters
3. Certificates generated by the router can now be signed with the SHA-256 algorithm

### **Improvements**

1. Resolved an issue with specifying Virtual IP Mapping addresses in LAN to LAN VPN profiles

### **Known Issues**

(VoIP models) Fax Mechanism will fail to send multiple papers/files from Phone1 to Phone 2

Firmware Version	3.8.4.1 (Formal Release)
Release Type	<b>Regular</b> – Upgrade recommended when convenient Note: A previous firmware (3.8.4) was a <b>critical release</b> . This f/w includes all changes/improvements that were in 3.8.4.
Build Date	21 <sup>st</sup> March 2017
Release Date	21 <sup>st</sup> April 2017
Revision	63482
Applicable Models	Vigor 2925, Vigor 2925n, Vigor2925ac, Vigor2925n-Plus, Vigor2925Vn-Plus
Locale	UK & Ireland Only

### **New Features**

(None)

### **Improvements**

1. SNMP Manager Host IP(IPv4) setting did not take effect with a Subnet Mask of "255.255.255.255 / 32"
2. Resolved an issue with performing a configuration backup of a VigorSwitch through [Central Management] > [Switch] > [Maintenance]
3. Improved handling of SMB (Samba, Windows networking) traffic across PPTP and L2TP VPN tunnels
4. The Start Date of the Root CA certificate created in [Certificate Management] > [Trusted CA Certificate] would be 1 day after the time of creation

### **Known Issues**

(VoIP models) Fax Mechanism will fail to send multiple papers/files from Phone1 to Phone 2

Firmware Version	3.8.4 (Formal Release)
Release Type	<b>Critical</b> – Upgrade recommended immediately
Build Date	15th December 2016
Release Date	13th January 2017
Revision	61327
Applicable Models	Vigor 2925, Vigor 2925n, Vigor2925ac, Vigor2925n-Plus, Vigor2925Vn-Plus
Locale	UK & Ireland Only

## **New Features**

1. [WAN] > [Internet Access] > [IPv6] PPP WAN now supports IPv6 RIPng (RIP for IPv6)
2. Added [Central Switch Management] > [Switch Management] to manage compatible VigorSwitches
3. Support for DNSSEC added in [Application] > [DNS Security]
4. Firewall configuration can be backed up / restored from [Firewall] > [General Setup]
5. WAN2 can now operate in 2.4GHz or 5GHz Wireless Station Mode, switchable with Ethernet mode in [WAN] > [General Setup] > [WAN2]
6. Band Steering added (requires same SSID & PSK on both 2.4GHz & 5GHz), to help 5GHz capable clients connect to the faster 5GHz band
7. Support for [Wireless LAN] > [Airtime Fairness] added to 2.4GHz and 5GHz wireless
8. [Wireless LAN] SSIDs now support individual Schedules
9. Router auto-generates unique Self-Signed Certificate for HTTPS [System Maintenance] > [Self-Signed Certificate]
10. Added [Diagnostics] > [VPN Graph] to view VPN connection history
11. Ping Detect latency Graph is available in [Diagnostics] > [Traffic Graph] for WAN interfaces using Ping for WAN Connection Detection
12. VoIP QoS Statistics / Log added to [Bandwidth Management] > [Quality of Service]
13. WAN Failover in [WAN] > [General Setup] now supports Failover by Traffic Threshold
14. [Applications] > [Schedule] re-designed to simplify management of schedules
15. [Objects Setting] > [IP Objects] can now be uploaded to the router in CSV format
16. [NAT] > [Port Redirection] and [Open Ports] can specify an allowed Source IP Object (Single IP, Subnet or Range IP) to allow only specified IPs to access port forwards without making Firewall Filter Rules
17. [Load-Balance/Route Policy] Rules can now be applied to Hostnames / Domain names as Destination addresses

## **Improvements**

1. Security improvements including one or more considered critical.
2. Misc. minor WUI changes/corrections.
3. Added options in [System Maintenance] > [Management] to disable HTTPS management via TLS 1.0, TLS 1.1 or TLS 1.2
4. High Availability can now operate over IPv6 in addition to IPv4
5. Central AP Management - [AP Map] interface improvements
6. Central AP Management - [WLAN Profile] can be applied to router's Wireless LAN interfaces with "Apply to Local" option
7. VoIP Models only - SIP account registration failover options added
8. VoIP Models only - WAN IP Alias can be selected for SIP account registration
9. LTE Models only - Send SMS alerts using LTE modem SMS interface

Firmware Version	3.8.2.3
Release Type	<b>Regular</b> – Upgrade recommended when convenient
Release Date	23rd June 2016
Build Date	26th May 2016
Applicable Models	Vigor 2925, Vigor 2925n, Vigor2925ac, Vigor2925n-Plus, Vigor2925Vn-Plus
Locale	UK/Ireland ONLY

### **New Features**

(None)

### **Improvement**

1. Changed TCP Initial sequence number mechanism
2. Added X-Frame-Options to HTTP headers
3. Session validation method improved in Web UI
4. Improvements to [Hardware Acceleration] functionality

Firmware Version	3.8.2.2
Release Date	30th March 2016
Build Date	2nd February 2016
Applicable Models	Vigor 2925, Vigor 2925n, Vigor2925ac, Vigor2925n-Plus, Vigor2925Vn-Plus
Locale	UK/Ireland ONLY

### **New Features**

(None)

### **Improvement**

1. Resolved an issue that stopped Wi-Fi clients from VigorAP access points connecting via SSIDs with VLAN tags enabled

Firmware Version	3.8.2
Release Date	23rd October 2015
Build Date	1st October 2015
Applicable Models	Vigor 2925, Vigor 2925n, Vigor2925ac, Vigor2925n-Plus, Vigor2925Vn-Plus
Locale	UK/Ireland ONLY

## **New Features**

1. Support for High Availability to use a secondary Vigor 2925 as a redundant router - [Applications] > [High Availability]
2. Port forwarding (Port Redirection, Open Ports) to remote clients connected via an IPsec LAN to LAN VPN now supported
3. WAN2 can now operate in 2.4GHz Wireless Station Mode, switchable with Ethernet mode ([WAN] > [General Setup] > [WAN2])
4. Path MTU detection added to simplify correct MTU detection
5. Static or Dynamic IP now supports Bridge mode with firewall applied
6. Notification Objects now have WAN Budget and Central VPN Management options
7. URL Content Filter Profiles now have Exception List option
8. Internal RADIUS / 802.1X server ([Applications] > [RADIUS], accounts configured in [User Management])
9. [Web Portal] feature improvements, now supports HTTPS redirection
10. [Load Balance / Route Policy] > [Diagnose] added
11. LAN to LAN VPN now supports SSL Tunnel
12. Switch Management added, accessible via network icon on [Dashboard]
13. [Central AP Management]:
  - a. [Event Log] added
  - b. [Dashboard] added
  - c. [Station Number] added to show history of connected clients per AP
  - d. [Total Traffic] added to show bandwidth usage per AP
  - e. [AP Maintenance] can now send firmware to multiple APs simultaneously
14. [System Maintenance] > [Management] now support Captcha validation for Internet / LAN access to router Login page
15. [Diagnostics] > [Authentication Information] shows details on users authenticated by internal RADIUS server
16. TACACS+ support for VPN authentication - [VPN and Remote Access] > [PPP General Setup]
17. Added support for TLS 1.2

## **Improvement**

1. IP Filter telnet command could not configure Service Type Protocol to UDP or TCP
2. WAN connectivity issue with IPv6 when using DHCPv6 or 6rd
3. QoS Statistics would not display corrected when Firewall > Data Filter was disabled
4. URL Filter blocked some HTTPS sites incorrectly
5. Not all DHCP clients were displayed in the router's DHCP Table

6. Resolved an issue with 5GHz wireless when using Mixed(11a+11n) mode and some client device connections
7. Improvements to the functionality of the IPv6 Firewall filter
8. When SMB service on WAN was disabled, TCP Port 445 could be detected in a port scan. This is no longer detectable in a port scan
9. Vigor 2925V models only: The web interface Dashboard LED for Line linked to the QoS page
10. Active True IP DMZ assigned an incorrect subnet mask to the True IP DMZ host
11. The web interface reboot facility was not working in some situations

Firmware Version	3.8.0.1
Release Date	19th June 2015
Build Date	22nd May 2015
Applicable Models	Vigor 2925, Vigor 2925n,, Vigor2925n-Plus, Vigor2925Vn-Plus
Locale	UK/Ireland ONLY

### **New Features**

1. Support for GRE Tunnel under [VPN and Remote Access] > [LAN to LAN VPN] for compatibility with Cisco routers.

### **Improvement**

1. Improved 500 server internal error response code behavior relating to using retry-after header field (per RFC 3261 Section 14.2)
2. The Telnet command 'ip dhcp status' could not show WAN1 DHCP mode information correctly.
3. LAN Access Control did not work correctly.
4. SSL Tunnel could fail to connect with a username/password error with valid credentials.
5. Improved handing of USB share access via SMB.

Firmware Version	3.8.0
Release Date	27th April 2015
Build Date	1st April 2015
Applicable Models	Vigor 2925, Vigor 2925n,, Vigor2925n-Plus, Vigor2925Vn-Plus
Locale	UK/Ireland ONLY

### **New Features**

1. IPv6 support added for all LAN and WAN interfaces.
2. LAN DNS now supports CNAME hostname aliasing.
3. 2925Vn-Plus only: The router's VoIP service can now be disabled through the web interface.
4. Support for RFC4638 to increase Ethernet frame size / MTU to 1500 for PPPoE connections.

### **Improvement**

1. Improvements to SMB file sharing and a new SMB Client Support List under the [USB Application].
2. WAN Budget can be configured under [Object Setting] > [Notification Object] to send SMS / E-Mail alerts.
3. Improvements to the display of "More Options" under [Load Balance/Route Policy].
4. Modified wording of [Hardware Acceleration] to show Dest Port Start/End instead of Start/End Port.
5. TR-069 settings added for control via Vigor ACS-SI:
  - a. SNMP configuration settings
  - b. IPv6 Access List
6. Web Console was unable to display TR-069 parameters.
7. LAN to LAN VPN Ping to Keep Alive setting is now restricted to IPSec tunnels only (not beneficial for other protocols).
8. The router will only send DHCP Discover syslog messages when the WAN port is physically online.
9. Improvements to the router's web server's Session ID generation method to improve security.
10. User Mode now correctly limits access to [Wireless LAN (5GHz)] settings.
11. When using a VPN Trunk with a Route Policy, the wrong VPN tunnel could be used under some circumstances if the selected VPN dropped.
12. [Application] > [IGMP], wording for PVC interface changed to PVC/VLAN.
13. Notes added to [User Management] > [User Online Status].
14. Multicast via VPN was not working correctly.
15. Resolved an issue with DNS Filter.
16. 2925Vn-Plus only: [VoIP] > [Phone Book] was not showing the Secure Phone options.
17. Quick Start Wizard did not support USB Modem (DHCP Mode).
18. Resolved an issue with [CSM] > [App Enforcement] filtering that could block traffic incorrectly once SNMP was enabled.

19. Resolved an issue that stopped Vigor ACS-SI from switching Wireless LAN Access Control from White List to Black List mode.
20. When "Allow Management from LAN" was disabled, clients were unable to access the User Management Login page.
21. The Telnet command "srv nat showall" was showing private IP port information incorrectly.

Firmware Version	3.7.8.1
Release Date	4th February 2015
Applicable Models	Vigor 2925, Vigor 2925n,, Vigor2925n-Plus, Vigor2925Vn-Plus
Locale	UK/Ireland ONLY

### **New Features**

(None)

### **Improvement**

1. SSL3 now disabled in favour of TLS by default for SSL tunnels and web management.
2. DNS Queries other than A and AAAA were blocked by the router.
3. 2925n-Plus / 2925Vn-Plus only: 5GHz wireless LAN DFS was affecting 2.4GHz wireless.
4. 2925Vn-Plus only: The Secure Phone option was missing from [VoIP] - [DialPlan] - [Phone Book] entries.
5. The Quick Start Wizard now supports "USB Modem (DHCP Mode)" as a WAN option.

Firmware Version	3.7.6
Release Date	1st December 2014
Applicable Models	Vigor 2925, Vigor 2925n,, Vigor2925n-Plus, Vigor2925Vn-Plus
Locale	UK/Ireland ONLY

### **New Features**

1. App-Enforcement signature updates downloadable via MyVigor <http://www.draytek.co.uk/support/guides/kb-app-e-sigupgrade>
2. New multi-level WAN backup mechanism.
3. Supports TACACS+ remote authentication.
4. Supports Virtual IP Mapping for LAN to LAN VPN tunnels, to map / NAT local IPs to a required subnet.
5. Adds the DNS filter object in [Firewall]-[General Setup] which allows the DNS filter to be applied using filter rules.
6. Configuration backup [Maintenance]-[Configuration Backup] can be password protected
7. Support for the WAN budget facility, which can notify / disable a WAN interface if it uses more than its allowed bandwidth.
8. Added [Wireless LAN]-[Station Control].
9. Support for RFC3021, a /31 subnet mask used for point to point WAN interfaces.
10. Support for customized login page image for User Management login.
11. Support for new 3G/4G dongles. (K5150/K4203).
12. Wireless LAN 5GHz - Support for DFS (Dynamic Frequency Selection). Please note that when selecting a DFS channel (52-140) the router's 5GHz wireless will stop broadcasting for 60 seconds to determine whether the channel is allowed to be used, as per the DFS specification.

### **Improvement**

1. Added Wi-Fi 5G to dashboard.
2. Support for setting a wildcard in LAN DNS.
3. LAN DNS Wildcard now supports PTR type.
4. Resolved an issue with Port-Redirection.
5. User mode password setting page allowed more characters than is supported for the password.
6. Resolved Wireless interface latency issue.
7. Resolved an issue with the wired 802.1x facility.
8. Removed FragFINN WCF option, which cannot be used in the UK.
9. Improved some wording in the router web interface.
10. Lengthened True IP DMZ DHCP lease time.
11. PPPoE WAN drop issue.
12. Bind IP to MAC page could not display "\_" in the Comment field.
13. Dashboard CPU usage display was incorrect.
14. Resolved VoIP - Phone book issue.
15. QoS speed was not accurate above 100Mbps.
16. Improved NAT sessions recycling mechanism

Firmware Version	3.7.4.2
Release Date	11th July 2014
Applicable Models	Vigor 2925, Vigor 2925n,, Vigor2925n-Plus, Vigor2925Vn-Plus
Locale	UK/Ireland ONLY

### **New Features**

(None)

### **Improvement**

1. Updated SSL for CVE-2014-0224
2. Dashboard was missing some items.

Firmware Version	3.7.4.1
Release Date	24th May 2014
Applicable Models	Vigor 2925, Vigor 2925n,, Vigor2925n-Plus, Vigor2925Vn-Plus
Locale	UK/Ireland ONLY

### **New Features**

(None)

### **Improvements**

1. Can now set USB WAN for SIP account via telnet command.
2. Wireless LAN allocated correct subnet index from DHCP server.
3. FXS speaker gain displayed correctly in VoIP call status web page.
4. Call log information now complete when the call was made by Digit Map.
5. Fixed issue with WAN1 up but Default Route disappearing when WAN2 PPPoE is down.
6. Merge CVM schedule profiles (index number from 9 to 16).
7. Add VLAN tag for WAN IPv6 packets if WAN VLAN tag is enabled.
8. Send a DHCPv6 release message before DHCPv6 WAN sends any solicitation.
9. Support a list to bypass NAT acceleration for specific port (service).

Firmware Version	3.7.4
Release Date	24th March 2014
Applicable Models	Vigor 2925, Vigor 2925n, Vigor 2925n-Plus, Vigor2925Vn-Plus
Locale	UK/Ireland ONLY

### **New Features**

1. Add URL link for dashboard panel.
2. Add station list and traffic graph for APM.
3. Support CVM (Central VPN Management) function.
4. Support dual 3G/4G modems
5. Support IPv6 for SSH.
6. New AP Management feature

### **Improvements**

1. Increase no of port redirection and open port rules
2. Enhance WCF function.
3. Add LAN access control.
4. Add TR-069 port in management setting.
5. Increase routed subnet IP pool count from 10 to 32.
6. Modify the WUI for Load-Balance/Route Policy
7. Allow longer names for VPN host/server.
8. Wireless wizard modifications.
9. DHCP lease time for subnet.
10. Able to block LINE app for PC and mobile phone.
11. Support a note for Remote Dial-in User authenticating with LDAP server.
12. Force MPPE encryption for PPTP improved with MS-CHAP v2
13. Prevent issue with SSH & WCF causing hangs/reboots in certain circumstances
14. Fixed iPhone wireless connection dropped issue.
15. SSL user can now always be joined user group.
16. Web portal setup now visible when the profile disabled.
17. Soilved issue with telnet "sys tr get Int." stability
18. Policy route issue fixed
19. L2TP mode now correctly displays WAN IP.
20. Improved some minor WUI elements

Firmware Version	3.7.3.2
Release Date	14th November 2013
Applicable Models	Vigor 2925, Vigor 2925n
Locale	UK/Ireland ONLY

**First Firmware Release for this model**

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