

## **Release Notes for DrayTek VigorBX 2000 series (UK/Ireland)**

Firmware Version	3.8.1.6
Release Type	<b>Regular</b> – Upgrade recommended when convenient
Release Date	10 <sup>th</sup> October 2017
Build Date	7 <sup>th</sup> August 2017
Revision	67630
Applicable Models	VigorBX 2000, VigorBX 2000ac
Locale	UK Only / Annex A Only

### **New Features**

1. VigorAPs connected to the VigorBX 2000 can now be managed across a LAN-to-LAN VPN tunnel that supports Central AP Management by a remote router such as the Vigor 2860, controlled with the “vpn passAPM” command. More information here:  
<https://www.draytek.co.uk/support/guides/kb-centralapm-overview#apm-over-vpn>

### **Improvements**

1. PSTN FXO trunk audio quality could be poor with some telephone line conditions
2. PSTN trunks can now be specified for [Dial Plan] > [Speed Dial]
3. “Remove Trunk Number” added to [IP PBX] > [PBX System] > [Phone Setting]> [FXO1]/[FXO2]
4. Resolved an issue that could cause no audio on outbound calls after firmware upgrade
5. Hold Reminder beep tone would not play for calls on hold on the VigorPhone 350
6. Voicemail audio could play back incorrectly when using G.711A codec only
7. VoIP connection was busy when CLIR was selected
8. Telnet command to enable VigorPhone 350 provisioning did not work correctly
9. Resolved an issue with “ippbx pbxSystem callRoute -v” telnet command
10. Fixed an issue with Auto Attendant that could cause it to stop answering calls correctly
11. Extensions registering to the PBX via domain name would receive a 403 Forbidden response
12. The Peer Number shown by “ippbx status extMonitor” did not update correctly
13. LAN clients can no longer access the router management interface(s) outside of their own VLAN
14. Export Parameters (via xml download) tab added to [System Maintenance] > [TR-069]
15. Added options in [System Maintenance] > [Management] to disable HTTPS management via TLS 1.0, TLS 1.1 or TLS 1.2
16. Edit address option added for Static IPv6 Addresses in [WAN] > [Internet Access] > [IPv6]
17. Improved handling of WAN Alias IPs by sending an ARP request to the WAN Gateway upon first configuration
18. Interoperability improvements to the router’s SSH server
19. Improvements to wording of “vdsi vendorid” cli command
20. NAT Loopback did not work correctly with routed LAN subnets
21. NAT Loopback did not work for DMZ Host addresses
22. Improved handling of longer Router Name when configured via cli
23. A Dial-In IPsec LAN-LAN with a /32 (255.255.255.255) remote network mask would display an incorrect Gateway IP and cause the “More” option to work incorrectly

24. Unable to wake up remote computer when using Wake On LAN from the internet
25. Pings to IP addresses through a VPN tunnel displayed the wrong interface when using [Diagnostics] > [Ping Diagnosis]
26. Improved Content Filtering of YouTube when accessed through the Google Chrome browser
27. Configuration file uploaded to the PBX via HTTPS could not be restored
28. Route Policy Diagnostics did not display the correct rule when matching a Destination Domain Name
29. IPv6 Object IP addresses could not be set correctly
30. WAN IP Alias addresses did not work correctly with ports opened in [NAT] > [Open Ports]
31. Access List was not applied correctly to HTTPS management when additional administrator accounts were configured on the router

### **Known Issue**

- Access List does not currently 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 IP PBX.

### **Upgrade Instructions**

It is recommended that you take a configuration backup prior to upgrading the firmware. This can be done from the PBX's [Advanced] > [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.



### **IMPORTANT NOTE – Upgrading Firmware**

When upgrading, make sure to take a full configuration backup from:

**[System Maintenance] > [Configuration Backup]**

Click the Backup button to download the configuration. Keep this configuration file so that it can be used if it is necessary to restore the PBX system configuration.

### **NOTE: VDSL Modem Codes**

There are two firmware variants available for download

1. vbx2000\_3816\_vector3.zip / vbx2k\_3816\_576D17.all (Contains modem code 576D17)
2. vbx2000\_3816\_nonvector.zip / vbx2k\_3816\_548006.all (Contains modem code 548006)

The modem code we recommend is 576D17 (vector3)

Modem code 576D17 supports G.INP (G.998.4 TX and RX retransmission) and vectoring (G.993.5)

If your line does not support vectoring then the modem code will operate without vectoring and modem code 576D17 is still recommended.

### **IMPORTANT NOTE – IP PBX Security**

- Disabling remote registrations is recommended if remote registrations are not required. This is controlled via [IP PBX] > [PBX System] > [SIP Proxy Setting] and also each extensions profile
- It is strongly recommended that you always use strong passwords for both the router/pbx itself and extensions to reduce the possibility of unauthorised access/calls

### **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	3.8.1.5
Release Type	<b>Critical</b> – Upgrade recommended immediately
Release Date	17 <sup>th</sup> January 2017
Build Date	6 <sup>th</sup> December 2016
Revision	61013
Applicable Models	VigorBX 2000, VigorBX 2000ac
Locale	UK Only / Annex A Only

### **New Features**

1. [IP PBX] > [Diagnostics] added to test PSTN Caller ID & Tone functions

### **Improvements**

1. Security improvements including one or more considered critical.

### **Known Issue**

(None)

Firmware Version	3.8.1.4 (Formal Release)
Build Date	10th August 2016
Release Date	25th October 2016
Applicable Models	VigorBX 2000, VigorBX 2000ac
Locale	UK & Ireland Only

### **New Features**

1. Incoming Trunk and Alias numbers / names are now displayed in [IP PBX] > [PBX Status] > [Call Detail Records] along with the Extension receiving the call in the format of "[Trunk/Alias number]/[Extension]"

### **Improvements**

1. [Personal Voice Mail Greeting Prompts] web interface now supports Hunt Groups (numbers 51 to 70 = Hunt Groups 1 to 20)
2. Additional WAN registration options added for SIP Trunks ("WANx Only" / "WANx First")
3. SIP Trunk auto failover to backup WAN interfaces can be controlled with "WANx First" registration option or disabled with "WANx Only" setting
4. SIP Trunk registration now supports registration over 3G / 4G USB WAN
5. Night Service can now play on/off User Prompts to indicate setting change, specified in [IP PBX] > [PBX System] > [PBX Service Number]
6. Improvements to IPPBX Dashboard view to display the Office Hours state of the PBX system (decided either by schedule or Night Service over-ride)
7. Added "voip dsp setFxoGain" CLI command to control FXO port TX and RX Gain values
8. Added "voip dsp setCidDetGain" CLI command to control Caller ID Detection Gain values
9. Custom Trunk can now increase DTMF gap for dialling up to 1000ms with "ippbx lineSetting custom n -t" CLI command
10. Improved audio quality of Auto Attendant through the FXO / PSTN Trunk ports
11. Uploading prompts via [Prompt Maintenance] now supports HTTPS
12. Session validation method improved in Web UI
13. Improved Wildcard "?" handling algorithm
14. Call Detail Record was not displayed correctly when a call was forwarded to another number by a Hunt Group's Overflow Rule
15. Numbers in [IP PBX] > [PBX Status] > [Extension Monitor] were not displayed correctly when using Call Parking

### **Known Issues**

(None)

Firmware Version	3.8.1.3 (Formal Release)
Build Date	28th March 2016
Release Date	18th May 2016
Applicable Models	VigorBX 2000, VigorBX 2000ac
Locale	UK & Ireland Only

## **New Features**

1. Dashboard now shows Office Hours state and new Colours for Extension / Trunk states:

### **PSTN Trunks:**

Grey = Not Enabled  
Green = Enabled and Plugged in / Ready to use  
Orange = Enabled, Line in Use

### **SIP Trunks:**

Grey = Not Enabled  
Green = Enabled and Registered  
Orange = Enabled, Line in Use  
Red = Enabled and Unregistered

### **Extensions:**

Grey = Not Enabled  
Green = Enabled and Registered  
Orange = Enabled and Line in Use  
Red = Enabled and Unregistered

2. Web interface to upload and manage custom Voicemail Greeting prompts for Extensions in [IP PBX] > [PBX System] > [Prompt Maintenance] in [Personal Voice Mail Greeting Prompts]

## **Improvements**

1. Improvements to FXO Dial Tone Detection mechanism
2. Changed TCP Initial sequence number mechanism
3. Added X-Frame-Options to HTTP headers
4. Session validation method improved in Web UI
5. Resolved display issue in [Load-Balance/Route Policy] > [Diagnose]
6. Improvements to [IP PBX] > [PBX System] > [Prompt Maintenance] User and System prompt web interface
7. Resolved display issue for [Object Settings] > [Notification Object]
8. Some display & functionality issues with the use of "889" voicemail interface have been resolved
9. Telnet "ipf" display issue for rules configured with a protocol of "TCP/UDP"
10. mDNS (Bonjour) mechanism improved for networks that do not use IPv6

Firmware Version	3.8.1.2 (Initial Release)
Build Date	22nd December 2015
Release Date	8th March 2016
Applicable Models	VigorBX 2000, VigorBX 2000ac
Locale	UK & Ireland Only

**First Firmware Release for this model**

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