Release Notes for DrayTek Vigor IPPBX 3510 (UK/Ireland)

Firmware Version	3.5.10.3
Release Type	**Critical** – Upgrade recommended immediately
Release Date	28th December 2016
Build Date	8th December 2016
Revision	61051
Applicable Models	VigorIPPBX 3510
Locale	UK Only

Warning: Read the Upgrade Procedure below before attempting any firmware upgrade on the Vigor IPPBX 3510, failure to do so may render the PBX system inoperable.

New Features in this Firmware

(None)

Improvements in this firmware

1. Security improvements including one or more considered critical.

Known Issue

(None)
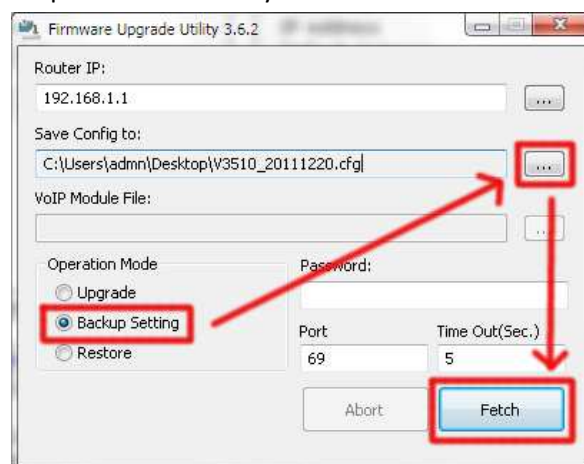
IMPORTANT NOTE – Upgrade Procedure

Before upgrading the firmware, it is strongly recommended to back up the PBX system's configuration so that the PBX system can be restored if any problems should occur.

Configuration Backup

1. From a machine that is connected locally to the VigorIPPBX 3510, run the DrayTek Firmware Upgrade utility
   http://www.draytek.co.uk/download/support/ippbx/IPPBXUtility_Win.zip
2. Turn off the Windows Firewall or make an exception for the utility
3. Click the "…" button next to the Router IP field and select the IP PBX's main IP address (not the VoIP module)
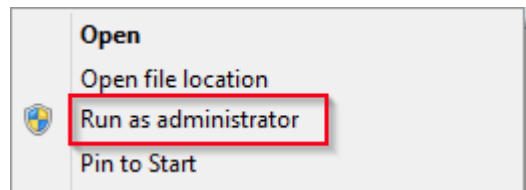4. Select backup as shown in this screen shot and click Fetch to start the process

Two files will be saved, one named V3510_*date*.cfg and one named V350VoipModule_*date*.cfg. To restore the configuration, use the same utility and select "Restore" instead of "Backup"

Firmware Upgrade

Note the current Router firmware version and VoIP Module firmware version by logging into the Web UI and browsing to [Advanced] > [System Maintenance] > [System Status]

1. Give the PC a static IP Address (eg 192.168.1.5) and check that you can ping 192.168.1.1 (router) & 192.168.1.249 (voip module). The VoIP module IP Address may have been changed previously, the current IP will be listed in the [LAN] > [General Setup] menu
2. Turn off the Windows Firewall or any other software firewall that may be installed on the PC. Software Firewalls can block the upgrade process or cause issues with the update process that could leave the PBX system in an unworkable state
3. Please make sure that UAC is turned off and that the user account being used has administrator permissions. Alternatively, run the application with administration privileges by right clicking the application and select "Run as Administrator"

4. Run the v3510pbx_[xxx].exe Auto Firmware Upgrade file
5. Select the router IP, click ok, enter the password and click OK to start the upgrade. The utility will first upgrade the VoIP Module
6. Once the VoIP Module upgrade is completed the router will upgrade the firmware
7. The firmware upgrader will then wait for the router to complete saving the firmware and reboot. The utility will detect when the router has restarted
8. Once the unit is active again, log into the Web UI and browse to the [Advanced] > [System Maintenance] > [System Status] to check that the router is reporting the correct firmware version based on the firmware release notes

Firmware Upgrade Troubleshooting

If the upgrade does not complete successfully then please check the trouble shooting steps here: http://www.draytek.co.uk/support/guides/kb-ippbx-upgrade-troubleshooting

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 extension 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.

Notes

-   Firmware versions 3.5.9 and later make a significant change to the configuration file structure to increase the number of hunt groups to 20; this makes the configuration file incompatible with older firmware versions.
-   Routers on firmware 3.5.6 must first be upgraded to 3.5.7 before upgrading to later firmware.
-   To send a fax via IPPBX virtual fax function, you need to use Virtual FAX Utility.

- The configuration data format is not compatible between the firmware versions, V356 and V357. Please backup configuration data before upgrade to V357 version; otherwise Vigor device can not restore original settings once you downgrade back to V356. To downgrade, reflash with .rst firmware and then reload cfg.
- The configuration data format is not compatible between the firmware versions, V358 and V359. Please backup configuration data before upgrading to V359 or later versions; otherwise Vigor device can not restore original settings once you downgrade back to V358. To downgrade, reflash with .rst firmware and then reload cfg.

Firmware Version	3.5.10.2 (Release Version)
Release Date	4th February 2015
Build Date	15th January 2015
Applicable Models	VigorIPPBX 3510
Locale	UK Only

New Features

(None)

Improvement

1. Improvements to the resilience of the PBX service.
2. Resolved a display issue with the [IP PBX] > [PBX Status] > [Call Detail Records] page.
3. SSL3 now disabled in favour of TLS by default for web management.
4. Call Barring would not work correctly with a schedule configured.
5. [IP PBX] > [Trunks] can now use a "+" symbol for Out-going call CLI.

Firmware Version	3.5.10.1 (Release Version)
VoIP Module	2.6.8
Release Date	23rd June 2014
Build Date	16th June 2014
Applicable Models	VigorIPPBX 3510 Series
Locale	UK Only

New Features

(None)

Improvement

1. Corrected CVE-2014-0224 CCS injection vulnerability.

Known Issue

1. SIP trunk and extension configuration backup are not compatible with IE6.0. Please use Firefox for this feature.
2. If ISDN trunk has an existing incoming call and outgoing call at the same time, the out-going call would not be disconnected when time budget is exceeded until the incoming call disconnects.
3. Virtual FAX: Sending and Receiving faxes over a SIP trunk requires that the SIP trunk supports T.38 fax relay, some ITSPs such as DrayTel (ITSP) use a different method for FAX relay, which is incompatible with the Virtual FAX function.

Notes

1. For the router with firmware version V356 installed, use DrayTek Firmware Upgrade Utility to upgrade the firmware up to V357 to prevent from system crash. If the router installed with firmware version below V356, simply use the general firmware upgrade procedure to upgrade the firmware to V357.
2. To send a fax via IPPBX virtual fax function, you need to use Virtual FAX Utility.
3. The configuration data format is not compatible between the firmware versions, V356 and V357. Please backup configuration data before upgrade to V357 version; otherwise Vigor device can not restore original settings once you downgrade back to V356. To downgrade, reflash with .rst firmware and then reload cfg.
4. The configuration data format is not compatible between the firmware versions, V358 and V359. Please backup configuration data before upgrading to V359 or later versions; otherwise Vigor device can not restore original settings once you downgrade back to V358. To downgrade, reflash with .rst firmware and then reload cfg.

Firmware Version	3.5.10 (Release Version)
VoIP Module	2.6.8
Release Date	23rd May 2014
Build Date	25th April 2014
Applicable Models	VigorIPPBX 3510 Series
Locale	UK Only

New Features

(None)

Improvement

1. Corrected: VigorIPPBX would restart randomly.
2. Corrected: Customer Survey prompt facility is now more resilient.
3. Corrected: If Call Detail Records (CDR) exceed the 24 digit limit, it can cause a display issue.
4. Corrected: Correct Call Detail Record could display the wrong call duration.
5. Corrected: When a WAN IP Alias is specified, this could not be configured in [NAT]-[DMZ Host].
6. Corrected: Display error for QoS settings.
7. Corrected: Correct potential crash issue when dial ###21# number.
8. Corrected: Corrected SSRC becoming zero after making 4 ISDN calls simultaneously which could cause audio problems.
9. Corrected: Fixed a memory leak relating to incorrect SIP trunk settings.
10. Improved: Update domain name from "vigorpro.com" to "myvigor.draytek.com" for the Web Content Filter and license activation system.
11. Improved: Modified error display in [IPPBX]-[Trunks] page.
12. Improved: Trunk security issue.
13. Improved: Removed incorrect telnet command option for maximum message time of 90 seconds.
14. Improved: Modified queue overflow prompt to play once instead of 3 times.
15. Improved: Added a telnet command to turn the built-in NTP server on or off. The default is off.

Known Issue

1. SIP trunk and extension configuration backup are not compatible with IE6.0. Please use Firefox for this feature.
2. If ISDN trunk has an existing incoming call and outgoing call at the same time, the out-going call would not be disconnected when time budget is exceeded until the incoming call disconnects.
3. Virtual FAX: Sending and Receiving faxes over a SIP trunk requires that the SIP trunk supports T.38 fax relay, some ITSPs such as DrayTel (ITSP) use a different method for FAX relay, which is incompatible with the Virtual FAX function.

Firmware Version	3.5.9 (Release Version)
VoIP Module	2.6.8
Release Date	25th November 2013
Build Date	14th November 2013
Applicable Models	VigorIPPBX 3510 Series
Locale	UK Only

New Features

1. A warning message will show when USB disk is full in the web page of SysLog / Mail Alert.
2. Increase Digit Map rules from 50 to 60; increase prefix number from 11 to 15 digits.
3. Increase number of Hunt Groups from 12 to 20.

Improvement

1. Improved: Resolved compatibility issue between DrayTek IPPBX and GSM gateway.
2. Improved: Resolved compatibility issue for BLF function of Snom IP-phone.
3. Improved: Resolved call compatibility issue between DrayTek IPPBX and Cisco E20.
4. Improved: The voice mail subsystem could stop working after running for several weeks.
5. Improved: EasyGate GSM Gateway and IPPBX's FXO port could not display caller ID.
6. Improved: Holiday answer mode can not work well for SIP Alias and ISDN trunk.
7. Improved: IVR could not delete all group messages when accessing via "889" number.
8. Improved: WAN Connection Detection on WAN1 issue.
9. Improved: Corrected an issue with the Maximum number of simultaneous calls setting.
10. Improved: Correct missing display name of caller ID for incoming call from SIP trunk.
11. Improved: Corrected the saving voice mail to WAV file issue.
12. Improved: Corrected WUI USB Syslog display issue.
13. Improved: Call Barring would not with a specific configuration.

Known Issue

1. SIP trunk and extension configuration backup are not compatible with IE6.0. Please use Firefox for this feature.
2. If ISDN trunk has an existing incoming call and outgoing call at the same time, the out-going call would not be disconnected when time budget is exceeded until the incoming call disconnects.
3. Virtual FAX: Sending and Receiving faxes over a SIP trunk requires that the SIP trunk supports T.38 fax relay, some ITSPs such as DrayTel (ITSP) use a different method for FAX relay, which is incompatible with the Virtual FAX function.

Firmware Version	3.5.8 (Release Version)
VoIP Module	2.6.8
Release Date	13th August 2013
Build Date	12th July 2013
Applicable Models	VigorIPPBX 3510 Series
Locale	UK Only

New Features

1. Support for RFC3326 to resolve hunt-group missed call display issue.

Improvement

1. Corrected: SSH management improvements
2. Corrected: Call forward (*72) turned on may store wrong number.
3. Corrected: Modify a typo on call forward telnet command.
4. Corrected: "Block unknown domain" caused that calls from DDNS proxy could not work properly.

Known Issue

1. SIP trunk and extension configuration backup are not compatible with IE6.0. Please use Firefox for this feature.
2. If ISDN trunk has an existing incoming call and outgoing call at the same time, the out-going call would not be disconnected when time budget is exceeded until the incoming call disconnects.
3. Virtual FAX: Sending and Receiving faxes over a SIP trunk requires that the SIP trunk supports T.38 fax relay, some ITSPs such as DrayTel (ITSP) use a different method for FAX relay, which is incompatible with the Virtual FAX function.

Firmware Version	3.5.7.4 (Release Version)
VoIP Module	2.6.8
Release Date	24th April 2013
Build Date	1st April 2013
Applicable Models	VigorIPPBX 3510 Series
Locale	UK Only

New Features

1. Support for VPN Trunk

Improvement

1. Corrected: VoIP module IP address setting issue on LAN General Setup page
2. Corrected: SIP Alias page display issue with profiles names longer than 11 characters
3. Corrected: FXS ports could not dial via trunk number
4. Corrected: An issue with the IPPBX Wizard configuring the IPPBX settings
5. Corrected: Using the Vega FXO VoIP gateway as a custom trunk now works correctly
6. Corrected: An issue with changing Hunt Group settings via the web interface
7. Improved: Can select which WAN interface is used to connect in TR-069 Settings

Known Issue

1. SIP trunk and extension configuration backup are not compatible with IE6.0. Please use Firefox for this feature.
2. If ISDN trunk has existed incoming call and outgoing call at the same time, out-going call would not be disconnected when time budget exceeded until incoming call disconnected.
3. Interoperability issues with VFax receiving a fax from SIP via T.38 still under investigation
4. Use the version after V2154 for VigorTalk ATA24, otherwise it may occur continuous call transfer job and result in VigorIPPBX reboot.
5. After upgrade the newest system prompts must be put onto the system. Please see the system prompt file in the downloads section

Notes

1. Please use the firmware upgrade utility to backup/restore V3510_xxx.cfg and VoipModule config.
2. Please upload the newest System Prompt after upgrading the Vigor IPPBX to firmware V3.5.7. The voice prompt utility can be used for this purpose.

Firmware Version	3.5.7.3 (Release Version)
VoIP Module	2.6.8
Release Date	24th December 2012
Build Date	17th December 2012
Applicable Models	VigorIPPBX 3510 Series
Locale	UK Only

New Features

1. Customer Survey system
2. Dial codes to put calling extension into DnD mode or set up a call forward
3. Added Holiday answer mode to ISDN MSNs and SIP Alias numbers

Improvement

1. Improved: Added support for DDNS provider; ubddns.org
2. Improved: Dialling Day Mode Dial code (*8) now puts the PBX back to Office Hours (Day mode) when out of office hours
3. Improved: Virtual FAX barcode recognition rate
4. Improved: Can now register to an ACS-SI server via the LAN
5. Corrected: Compatiblity with Siemens C610IP IP-Phone Call Transfers
6. Corrected: An issue with the Call Detail Record when it contained over 999 entries
7. Corrected: ISDN MSN CLIP did not work correctly
8. Corrected: Android Smart phone SIP Client compatibility issue
9. Corrected: Auto Attendant would not work after 600 hours
10. Corrected: Call Detail record download security

Firmware Version	3.5.7.1 (Release Version)
VoIP Module	2.6.7
Release Date	8th August 2012
Build Date	7th August 2012
Applicable Models	VigorIPPBX 3510 Series
Locale	UK Only

New Features

1. Barcode function support added to Virtual FAX server
2. Support defining rules for incoming FAX.
3. Support WAN VLAN tag insertion.

Improvement

1. Improved: Can select WAN interface for SIP trunks that do not require registration i.e. Gamma, Gradwell
2. Improved: Support extension on the LAN registering via the WAN IP
3. Improved: Improve compatibility with Gamma ITSP's SIP Proxy server
4. Improved: Support for uploading Vigor IPPBX 2820 Extension / SIP Trunk Backup Configuration files
5. Corrected: Corrected CDR information logged for out-going calls via DigitMap
6. Corrected: Call Park server always provides same parking slot number
7. Corrected: Web user interface display issue on SIP Alias setting page
8. Corrected: Attended Call Transfer did not work using Snom 3xx phones
9. Corrected: An issue when using Default Trunk with Digit Map
10. Corrected: WAN Extensions on different WAN interfaces could not call each other
11. Corrected: An issue with the PSTN Trunk being used as a backup trunk
12. Corrected: Settings issue on PSTN Trunk settings page
13. Corrected: Call Barring function could not use a wildcard character
14. Corrected: Call Queuing overflow functionality compatibility problem
15. Corrected: Global MSN Answer Modes did not work correctly
16. Corrected: Virtual FAX could not send an INVITE via rules specified in Digit Map
17. Corrected: Operability issue when multiple SIP / PSTN trunk calls answered by Auto Attendant simultaneously
18. Corrected: An issue with restoring Extension Configuration Backup files from the vigor IPPBX 3510

Known Issues

1. SIP trunk and extension configuration backup are not compatible with IE6.0. Please use Firefox for this feature.
2. If ISDN trunk has existed incoming call and outgoing call at the same time, out-going call would not be disconnected when time budget exceeded until incoming call disconnected.
3. Interoperability issues with VFax receiving a fax from SIP via T.38 still under investigation
4. Use the version after V2154 for VigorTalk ATA24, otherwise it may occur continuous call transfer job and result in VigorIPPBX reboot.

Firmware Version	3.5.7 (Release Version)
VoIP Module	2.6.6
Release Date	8th March 2012
Build Date	10th April 2012
Applicable Models	VigorIPPBX 3510 Series
Locale	UK Only

New Features

1. New comprehensive Auto Attendant mechanism.
2. Support Call queueing mechanism (for hunt group).
3. Support custom trunk (i.e. define an extension for trunk usage)
4. Maximum simultaneous channel usage can be set for each trunk
5. Increased number of SIP trunks from 6 to 12.
6. Increased number of hunt groups from 10 to 20.
7. New 'Random' hunt group ringing mode

Improvement

1. Resolve interoperability issue with HTC phone.
2. Change Auto Attendant greeting repeat counts from global setting to local menu setting.
3. Shortened the ring-back-timer of queue handler. Change from 40 sec to 20 sec.
4. Support overflow action when queue timeout.
5. Modify the minimum value for timeout for hunt group setting to seconds while in Sequential/Random mode.
6. Improve the function behavior of hunt group voice mail.
7. Improve the greeting behavior of personal voice mail. Users can listen to existing greeting without re-recording it.
8. Ring back tone can be configured as silence.
9. Add ISDN MSN non-office hour answer mode.
10. Support send email via specific WAN function.
11. Add switch for each PSTN port to turn on/off (offnet) play prompt mechanism and integrate with the VoIP module.
12. Add a new Telnet command that 9 countries tone profiles can be set for the tone setting.
13. The user can register from VPN when remote registration is disabled.
14. Fix the error of RTP proxy handling.
15. Fix the error of extension monitor display.
16. Fixed that a user can not leave voice message to hunt group number.
17. VigorIPPBX stores more than 100 voice mails in USB disk.
18. Fixed One-way audio issue with some ITSP.
19. Setting VoIP module Syslog will cause system crash.
20. VigorIPPBX did not end call when party hangs up in some situations
1. 21.Recycle park slot number when the caller hangs up before the call transferred to the park server.
21. Extended silence time to avoid DTMF redial echo sound.
22. Fixed issue where FXS port could not send out FAX via SIP trunk.

23. Tone error detected under Virtual FAX Digit Map offnet call.
24. Fixed VigorIPPBX instability caused by SIP 180 messages with SDP contents.
25. Fixed issue where user cannot dial to ANY_ISDN via Digit Map.
26. Fixed issue where SIP video call causes VigorIPPBX to put the call on hold

Known Issue

1. SIP trunk and extension configuration backup are not compatible with IE6.0. Please use Firefox for this feature.
2. If ISDN trunk has existed incoming call and outgoing call at the same time, out-going call would not be disconnected when time budget exceeded until incoming call disconnected.
3. Interoperability issues with VFax receiving a fax from SIP via T.38 still under investigation
4. Use the version after V2154 for VigorTalk ATA24, otherwise it may occur continuous call transfer job and result in VigorIPPBX reboot.
5. After upgrade the newest system prompts must be put onto the system. Please see the system prompt file in the downloads section

Notes

1. Please use the firmware upgrade utility to backup/restore V3510_xxx.cfg and VoipModule config.
2. Please upload the newest System Prompt after upgrading Vigor IPPBX firmware V3.5.7. The voice prompt utility can be used for this purpose.

Firmware Version	3.5.6 (Release Version)
VoIP Module	2.6.5
Release Date	15th Dec 2011
Build Date	6th Dec 2011
Applicable Models	VigorIPPBX 3510 Series
Locale	UK Only

Important: If upgrading from earlier than 3.5.6 ensure that the newer (v2) IVR is also uploaded. Please use the IPPBX voice prompt utility (v1.1.0)

<u>**New Features**</u>

1. Support individual VoiceMail greetings which can be recorded via IP phones.
2. Support remote access for voice mail.
3. Support T.38 on FXS port.
4. Support Virtual Fax function.
5. Support quick switch between office and non-office IVR by pressing the service number from your IP Phone. (Turn ON/OFF Night Service on IP PBX>>PBX System>>PBX Service Number).
6. Support DDI/hunt group labeling on caller ID.
7. Support trunk line budget control.
8. Support extension block mechanism for consecutive registration with wrong password.
9. Support BLF status for hunt group

<u>**Improvement**</u>

1. Fixed: Interoperability issue. When ITSP uses early-media to send ring back tone, it may cause no audio
2. Fixed: Extension answer mode for call forwarding issue.
3. Fixed: Call pickup function does not work if calls from PSTN trunk.
4. Fixed: No dial tone for ISDN-TE virtual channel.
5. Fixed: A user cannot hear ringback tone when incoming calls from PSTN/ISDN trunk.
6. Fixed: WAN privilege check issue for forwarding call.
7. Fixed: PSTN trunk may have no AA voice in some cases.
8. Fixed: If the AA prompt of system IVR is too short, VigorIPPBX will play it more than three times.
9. Fixed: SIP trunk DDI call cannot be correctly disconnected if the call matches call barring rules.
10. Fixed: Dialing an unregistered extension number would cause BLF state error.
11. Fixed: Improvments to call transfer operation via FXS
12. Fixed: Semi-attended call transfer does not work if referring to a group member but not a group number.
13. Fixed: Voice mail greeting message can not play due to CODEC error issue.
14. Fixed: Quick cancel for call to hunt group number may not work.
15. Fixed: One-way audio issue if enabling DMZ.
16. Fixed: Call pickup function does not work if calls from PSTN trunk.
17. Fixed: Interoperability issue with IP Phones that respond with 480 to indicate busy.

18. Improved: Add the timer to prevent IVR convert task block Web.
19. Improved: Add protection mechanism for DSP channel to avoid IVR codec conversion when VigorIPPBX uses the same channel to detect DTMF.
20. Improved: Add FXO dial tone detection option on WUI.
21. Improved: Potential call drop issue.
22. Improved: Support MoH on Park Server.
23. Improved: Add initial value for park slot number.
24. Improved: Add system prompt status in telnet.
25. Improved: Add extension status support block state.

Known Issue

1. SIP trunk and extension configuration backup are not compatible with IE6.0. Please use Firefox to use the feature.
2. If ISDN trunk has existed incoming call and outgoing call at the same time, out-going call would not be disconnected when time budget exceeded until incoming call disconnected.

Firmware Version	3.5.5.2 (Release Version)
Release Date	23rd May 2011
Build Date	6th May 2011
Applicable Models	VigorIPPBX 3510 Series
Locale	UK Only

New Features

1. Remote extension Access Control List in IPPBX>>PBX System>>SIP Proxy Setting (white list for WAN IP).
2. Modified the mechanism for answering inbound calls. For inbound calls into a hunt group or extension the VigorIPPBX responds with '180 Ringing' until the extension answers instead of immediately replying with '200 OK'
3. Add CDR log to Syslog with "csv" format.
4. Added Default Trunk option for each extension. Define the Default Trunk route via digitmap
5. Remote registration permissions can be controlled on a by extension basis.

Improvement

1. Fixed: VPN function stability under certain conditions.
2. Fixed: ISDN may not hangup call.
3. Fixed: Off-Net call transfer from ISDN-TE to ISDN-TE cannot work.
4. Fixed: ISDN-S0 cannot pick up calls from PSTN trunk.
5. Fixed: PSTN port cannot use trunk line.
6. Fixed: SIP trunk cannot register a number with character "+".
7. Fixed: SIP trunk codec negotiation issue.
8. Fixed: Call pickup function does not work if the extension is not permitted to access the trunk line.
9. Fixed: Call pickup function wouldn't work if phone had been ringing for more than 32 seconds.
10. Fixed: Extension cannot pick up call with anonymous CLI.
11. Fixed: hunt group call will be hangup by PBX if more than 2 group members answer the call simultaneously.
12. Fixed: Hunt group overflow rule does not work if all group members are off-line.
13. Fixed: Aastra phone does not accept our call transfer NOTIFY.
14. Fixed: Aastra phone does not accept BLF update.
15. Fixed: Three WAN extensions leaving voice message to the same LAN extension simultaneously will cause crash.
16. Fixed: semi-attended call transfer to VMPBX do not work issue.
17. Fixed: In some circumstances an incoming call to the Auto-attendant could cause instability
18. Improved: Web UI improvement.
19. Improved: Enhance the trunk line usage security.
20. Improved: "Mail From field" added to Voicemail to email setup
21. Improved: Adjust greeting prompt timer from "fixed" to "dynamic".
22. Improved: Newer VoIP Module firmware

Firmware Version	3.5.5.1 (First Firmware Release)
Release Date	March 17th 2011
Build Date	February 18th 2011
Applicable Models	VigorIPPBX 3510
Locale	UK Only

First Firmware Release for this model

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