

Release Notes for DrayTek Vigor IPPBX 2820 (UK/Ireland)

Firmware Version	3.5.11
Release Type	Regular – Upgrade recommended when convenient
Release Date	24 th November 2017
Build Date	26 th October 2017
Revision	68749
Applicable Models	VigorIPPBX 2820 Series
ADSL Modem Code	2471201
Locale	UK Only / Annex A Only

New Features

(None)

Improvements

1. Voicemail playback via SIP phone was distorted with some SIP trunk codec configurations
2. TCP Packets received with invalid flags are now dropped by the firewall
3. IPPBX 2820n: Linux and macOS computers would detect the wireless network with an incorrect wireless country code
4. Some configurations could cause one way audio when making calls with the VigorPhone 300 SIP handset

Known Issue

1. There are 4 DSP channels available, so when 4x ISDN calls are in progress (requires 2x ISDN2e lines), the PSTN trunk might have a DSP channel available for signalling.
 2. The VigorTalk ATA24 must use firmware 2.1.5.4 or later, or a continuous call transfer issue may occur
 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.
 4. After upgrade please check [PBX System]>[PBX Prompt maintenance]>[System Prompts] to see if any System Prompts need to be uploaded. Please refer to the FAQ on how to do this.
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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.

NOTE: ADSL Modem Codes

- For general purpose usage on UK lines, modem code 2471201 is recommended.
- For line speeds of less than 4Mbps, on lower quality lines a modem code with more conservative parameters, 211801 is suggested

IMPORTANT NOTE – Upgrading Firmware

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.

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

[Advanced]-[System Maintenance]-[Configuration Backup]

By clicking the Backup button, to download the configuration. Keep this configuration file so that it can be used if it is necessary to downgrade to 3.5.8 or earlier firmware versions.

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.

Notes

- Routers on firmware 3.5.6 must first be upgraded to 3.5.7 before upgrading to later firmware.
- If upgrading from 3.5.6 please use the Firmware Upgrade Utility instead of the Web UI. See <http://www.draytek.co.uk/support/guides/kb-firmwareupgrade-utility>
- 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.

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.



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	3.5.10.3
Release Type	Critical – Upgrade recommended immediately
Release Date	28 th December 2016
Build Date	6 th December 2016
Revision	61051
Applicable Models	VigorIPPBX 2820 Series
ADSL Modem Code	2471201
Locale	UK Only / Annex A Only

New Features in this Firmware

(None)

Improvements in this firmware

5. Security improvements including one or more considered critical.

Known Issue

5. There are 4 DSP channels available, so when 4x ISDN calls are in progress (requires 2x ISDN2e lines), the PSTN trunk might have a DSP channel available for signalling.
6. The VigorTalk ATA24 must use firmware 2.1.5.4 or later, or a continuous call transfer issue may occur
7. 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.
8. After upgrade please check [PBX System]>[PBX Prompt maintenance]>[System Prompts] to see if any System Prompts need to be uploaded. Please refer to the FAQ on how to do this.

Firmware Version	3.5.10.2 (Release Version)
Release Date	4th February 2015
Build Date	15th January 2015
Applicable Models	VigorIPPBX 2820 Series
ADSL Modem Code	2471201
Locale	UK Only

New Features

(None)

Improvement

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

Known Issue

1. There are 4 DSP channels available, so when 4x ISDN calls are in progress (requires 2x ISDN2e lines), the PSTN trunk might have a DSP channel available for signalling.
2. The VigorTalk ATA24 must use firmware 2.1.5.4 or later, or a continuous call transfer issue may occur
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.
4. After upgrade please check [PBX Sytem]>[PBX Prompt maintenance]>[System Prompts] to see if any System Prompts need to be uploaded. Please refer to the FAQ on how to do this.

Firmware Version	3.5.10.1 (Release Version)
Release Date	23rd June 2014
Build Date	19th June 2014
Applicable Models	VigorIPPBX 2820 Series
ADSL Modem Code	2471201
Locale	UK Only

New Features

(None)

Improvement

1. Corrected: CVE-2014-0224 CCS injection vulnerability.
2. Corrected: When using a PVC WAN in PPPoE mode, SIP Trunks would fail to register.

Firmware Version	3.5.10 (Release Version)
Release Date	23rd May 2014
Build Date	30th April 2014
Applicable Models	VigorIPPBX 2820 Series
ADSL Modem Code	2471201
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: No ring-back tone issue with BT ISDN line in Spain.
4. Corrected: If Call Detail Records (CDR) exceed the 24 digit limit, it can cause a display issue.
5. Corrected: Correct Call Detail Record could display the wrong call duration.
6. Corrected: When a WAN IP Alias is specified, this could not be configured in [NAT]-[DMZ Host].
7. Corrected: AP Discovery display issue.
8. Corrected: Display error for QoS settings.
9. Corrected: Correct potential crash issue when dial ###21# number.
10. Corrected: Corrected SSRC becoming zero after making 4 ISDN calls simultaneously which could cause audio problems.
11. Corrected: PSTN/ISDN trunk port block issue.
12. Improved: Update domain name from "vigorpro.com" to "myvigor.draytek.com" for the Web Content Filter and license activation system.
13. Improved: Modified error display in [IPPBX]-[Trunks] page.
14. Improved: Trunk security issue.
15. Improved: Removed incorrect telnet command option for maximum message time of 90 seconds.
16. Improved: Modify queue overflow prompt to play once instead of 3 times.
17. Improved: Added a telnet command to turn the built-in NTP server on or off. The default is off.

Firmware Version	3.5.9 (Release Version)
Release Date	22nd November 2013
Build Date	4th November 2013
Applicable Models	VigorIPPBX 2820 Series
ADSL Modem Code	2471201
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: Ext 901 (FXS port) could not perform an unattended call transfer, when there was an incoming call on the PSTN Trunk (FXO port).
11. Improved: Correct missing display name of caller ID for incoming call from SIP trunk.
12. Improved: Corrected the saving voice mail to WAV file issue.
13. Improved: Corrected WUI USB Syslog display issue.
14. Improved: Call Barring would not with a specific configuration.

Firmware Version	3.5.8 (Release Version)
Release Date	11th June 2013
Build Date	30th May 2013
Applicable Models	VigorIPPBX 2820 Series
ADSL Modem Code	2471201
Locale	UK Only

New Features

(None)

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.
5. Corrected: "Call forward" caused difficulty with picking up the call. The phone would ring for 2-3 second; stop ringing then start ringing a few seconds later.

Known Issue

1. There are 4 DSP channels available, so when 4-ISDN calls are in progress it might cause the PSTN to not a DSP channel available.
2. The VigorTalk ATA24 must use firmware 2.1.5.4 or later, or a continuous call transfer issue may occur
3. The incoming FAX from SIP trunk of the DrayTEL (ITSP) and other ITSPs in the UK still needs the resolution for the interoperability with T.38 of Virtual FAX.
4. After upgrade please check [PBX System]>[PBX Prompt maintenance]>[System Prompts] to see if any System Prompts need to be uploaded. Please refer to the FAQ on how to do this.

Firmware Version	3.5.7.4 (Release Version)
Release Date	6th June 2013
Build Date	4th March 2013
Applicable Models	VigorIPPBX 2820 Series
ADSL Modem Code	2471201
Locale	UK Only

New Features

1. The IPPBX can now register to an ACS SI server via the LAN

Improvement

1. Improved: Added support for DDNS provider; ubddns.org
2. Improved: Compatibility with some SIP trunk providers
3. Corrected: Online Status for WAN2 now displays DNS information
4. Corrected: Auto Attendant would not work after 600 hours
5. Corrected: Wireless LAN Access Control list validation issue
6. Corrected: Compatibility with Internet Explorer 8
7. Corrected: An issue with the Call Detail Record when it contained over 999 entries
8. Corrected: An issue with the SIP Trunk simultaneous call limit functionality
9. Corrected: An issue with the SIP Alias profile setting over 11 characters
10. Corrected: An issue with the IPPBX Wizard configuring the IPPBX settings
11. Corrected: Using the Vega FXO VoIP gateway as a custom trunk now works correctly

Known Issues

1. When upgrading from 3.5.6 use the firmware upgrade utility. Do not use the Web UI firmware upgrade method
2. When 4x ISDN calls are in progress, the PSTN trunk may not have an available DSP channel.
3. Use firmware V2154 or later for VigorTalk ATA24, with earlier firmwares a call transfer problem can occur, which may cause the IPPBX to restart.
4. The incoming FAX from SIP trunk of the DrayTEL (ITSP) and other ITSPs in the UK still needs the resolution for the interoperability with T.38 of Virtual FAX.

Firmware Version	3.5.7.3
Release Date	-
Build Date	15th October 2012
Applicable Models	VigorIPPBX 2820 Series
ADSL Modem Code	2471201
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. Corrected: ISDN Call-Forwarding would not work with Point to Point mode
2. Corrected: Compatibility with Siemens C610IP IP-Phone Call Transfers
3. Corrected: No audio with some ISDN Trunk calls
4. Corrected: A Hunt Group containing the FXS extension could not put calls through to Group Voicemail
5. Improved: Voicemail SMTP compatibility issue
6. Improved: Dialling Day Mode Dial code (*8) now puts the PBX back to Office Hours (Day mode) when out of office hours
7. Improved: Virtual FAX barcode recognition rate
8. Corrected: Web Content Filter robustness

Known Issues

1. When upgrading from 3.5.6 use the firmware upgrade utility. Do not use the Web UI firmware upgrade method.
2. When 4x ISDN calls are in progress, the PSTN trunk may not have an available DSP channel.
3. Use firmware V2154 or later for VigorTalk ATA24, with earlier firmwares a call transfer problem can occur, which may cause the IPPBX to restart.
4. The incoming FAX from SIP trunk of the DrayTEL (ITSP) and other ITSPs in the UK still needs the resolution for the interoperability with T.38 of Virtual FAX.
5. Incoming calls forwarded via SIP give one way audio

Firmware Version	3.5.7.1 (Release Version)
Release Date	15th June 2012
Build Date	25th May 2012
Applicable Models	VigorIPPBX 2820 Series
ADSL Modem Code	2471201
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. Corrected: Corrected CDR information logged for out-oging calls via DigitMap.
5. Corrected: Call Park server always provides same parking slot number.
6. Corrected: Web user interface might crash on SIP Alias setting page.
7. Corrected: The ring back tone could be generated too early when dialling out through ISDN Trunk.
8. Corrected: Local FXS/ISDN-phones cannot call other extensions when call barring is set to block external calls.
9. Corrected: Call barring fails when calling from DrayTel to ISDN Trunk.
10. Corrected: Attended Call Transfer did not work using Snom 3xx phones.
11. Corrected: An issue when using Default Trunk with Digit Map.

Known Issues

1. When upgrading from 3.5.6 use the firmware upgrade utility. Do not use the Web UI firmware upgrade method.
2. When 4x ISDN calls are in progress, the PSTN trunk may not have an available DSP channel.
3. Use firmware V2154 or later for VigorTalk ATA24, with earlier firmwares a call transfer problem can occur, which may cause the IPPBX to restart.
1. The incoming FAX from SIP trunk of the DrayTEL (ITSP) and other ITSPs in the UK still needs the resolution for the interoperability with T.38 of Virtual FAX.

Firmware Version	3.5.7 (Release Version)
Release Date	05th April 2012
Build Date	29th March 2012
Applicable Models	VigorIPPBX 2820 Series
ADSL Modem Code	2471201
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. Mechanism changes to how the IPPBX handles incoming ISDN-TE DDI calls that the PBX doesn't answer
2. Support hunt group voice mail box.
3. Expanded DigitMap rule number from 20 to 50.
4. Add ANY_ISDN option for Digit Map.
5. Support new user prompt maintenance mechanism.
6. System can play multiple prompts for Music on Hold.
7. Support Holidays' answer mode.
8. Personal voice mail greeting can be stored to USB disk (if available).
9. Allow the user to use BLF to monitor night service number *7/*8.
10. Add a telnet command to enable/disable night service function.
11. Record which extension turn on/off night service in CDR.
12. Support SIP alias answer mode to forward to voice mail remote access number.
13. Add protection mechanism for DSP channel usage.
14. Hunt group voice mail function behaviour.
15. Add forward AA menu option in extension answer mode "Pick up by AA".
16. Add RTP range check to prevent wrong settings.
17. Extension answer mode cannot work correctly after call forwarding action.
18. BLF status error after call forwarding action.
19. RTP output failed if incoming trunk call receives early media (customize ring back tone) response.
20. Fixed Inter-Operability issue when INVITE packet contains invalid Alert-info header value.
21. Fixed issue where Local port cannot access PSTN/ISDN-TE line.
22. Fixed Extension monitor display error.
23. ISDN-TE MSN incoming call office hour error.
24. Fixed that Voice mail store in USB can save 101 voice mails, however the total number is 100 at most.

25. Fixed issue where ISDN-TE port DTMF cannot be detected.
26. Fixed issue where ISDN-TE waiting music does not work and VigorIPPBX does not open B-channel.
27. FXS port out-going call privilege check always fail if pin code is enabled.
28. Block anonymous caller to access trunks.
2. 29 SIP trunk transfer call codec dis-matched.
29. Call barring with specified extension block failed.
30. Improvements to waiting music.
31. Improvements to user prompt play/upload process
32. Corrected several Web UI display error.
33. Fixed issue with VFax receiving fax from FXO port

Known Issues

1. When upgrading from 3.5.6 use the firmware upgrade utility. Do not use the Web UI firmware upgrade method
2. Interoperability issues with VFax receiving a fax from SIP via T.38 - still under investigation
3. When 4-ISDN calls are enabled, it might cause PSTN to not have a DSP channel available (eg DTMF or for AA usage)
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

Firmware Version	3.5.6 (Release Version)
Release Date	21st Oct 2011
Build Date	7th Oct 2011
Applicable Models	VigorIPPBX 2820 Series
ADSL Modem Code	232201
Locale	UK Only

Important Note

If upgrading from earlier than 3.5.6 ensure that the newer (v2) IVR is also uploaded. Use either the IPPBX voice prompt utility (v1.1.0) or download "IPPBX 2820 UK System Prompts_v2.zip" and upload via the Web UI.

New Features

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 special numbers for Night Service.
6. Support DDI/hunt group labelling on caller ID.
7. Support BLF status for hunt group

Improvement

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

18. Improved: Add initial value for park slot number.
19. Improved: Add system prompt status to telnet and Web UI.
20. Improved: Add extension status support block state.

Known Issues/Limitations

1. When 4-ISDN calls are enabled, it might cause PSTN not having DSP channel to work.
2. Use f/w version after V2154 for VigorTalk ATA24, otherwise call transfer loop may occur

Firmware Version	3.5.5.2
Release Date	23rd May 2011
Build Date	26th Apr 2011
Applicable Models	VigorIPPBX 2820 Series
ADSL Modem Code	232201
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".

Firmware Version	3.5.5.1
Release Date	27th Jan 2010
Build Date	13th Dec 2010
Applicable Models	VigorIPPBX 2820
ADSL Modem Code	2471201
Locale	UK Only

New Features

1. Extensions can registered through PPTP VPN directly; remote extensions can now connect through a PPTP tunnel if supported by the phone (e.g. VigorPhone 350, firmware 1.06D or later). This provides more security by allowing normal SIP remote registrations to be turned off.
2. Add a telnet command to configure the busy timeout for a hunt group if all group members are currently on the phone or busy. Command is "ippbx pbxSystem huntGroup <n> -b <timeout>". If busy time out met, then the overflow action will be taken.
3. Add a telnet command to support playing a UserPrompt (If Overflow is set to Terminate) when no one answers for hunt group incoming calls. After playing UserPrompt call is disconnected. Command is "ippbx pbxsystem huntGroup <n> -p <user prompt idx>".
4. Added PSTN trunk as a route and backup route option in Digit Map.
5. Added register via WAN/VPN tick box to each extension profile to control individual permissions. As well as enabling/disabling remote extension registration globally, you can now allow specific extensions to be registered remotely. Disable this on any extension which you do not need to be used remotely.
6. Support using display name as authentication name.
7. Add an option for digit map to PSTN trunk time delay. The command is "ippbx dialPlan digitMap n -t x" n = digitMap entry, x = delay. Default 1 sec

Improvement

1. Corrected: When uploading system IVR file, the file can not convert from G.711 to G.729 format.
2. Corrected: Digit Map backup route failed.
3. Corrected: IPPBX did not properly handle call transfer REFER request from external number out of SIP trunk.
4. Corrected: A forwarded call cannot be correctly cleared down if the caller is from SIP trunk and the forwarding destination is an unregistered trunk.
5. Corrected: Call transfer from TE to FXO does not work.
6. Corrected: third ISDN call would fail to be processed.
7. Corrected: ISDN-S0 cannot dial to PSTN through Digit Map.
8. Corrected: ISDN offnet DTMF detection was not enabled.
9. Corrected: Call Forward function of VigorPhone 350 cannot forward to TE trunk if the caller is coming from SIP trunk.
10. Corrected: Call transfer does not work if internal SIP local port is not set with the default, 5060.

11. Corrected: If an on-line extension does not respond INVITE and timeout, it will be treated as off-line (to execute off-line answer mode).
12. Corrected: Call pickup function cannot work after modifying call pickup number on WEB page.
13. Corrected: When ISDN-S0 uses line 2 to dial hot-line number, the IPPBX system could pause.
14. Corrected: Deleted extensions were not completely wiped.
15. Corrected: IVR prompt error when the third/forth ISDN call connected by AA.
16. Corrected: Auto-hunt fails on the third/forth ISDN call.
17. Corrected: Hunt group overflow rule does not work if all group members are off-line.
18. Corrected: A problem of SIP trunk relaying BYE message
19. Corrected: Forward to Voice Mail option for SIP Trunk answer mode does not work if users set a wild-card match rule with minimum length less than 6.
20. Corrected: "Busy Then" option for ISDN-S0 answer mode did not work.
21. Corrected: Extension "Outgoing Call Use" option does take effect while using Digit Map rule.
22. Corrected: Improved DTMF cannot be well detected on FX0 line while playing IVR prompt.
23. Corrected: BLF status in Ringing state would be erased every 32 seconds.
24. Corrected: incoming call from ISDN trunk may not hear AA greeting prompt
25. Corrected: Voice mail function would become ineffective for a few minutes if user put voice mail server on hold
26. Fixed: BLF display error if an extension calls itself.
27. Fixed: a buffer leakage.
28. Improved: Hot-line function of each local phone is limited to be executed at most once every 5 seconds.
29. Improved: Ignore registration requests from hunt group numbers from WAN/VPN sides.
30. Improved: Improve interoperability with some software phone for call forwarding function.
31. Improved: Enhance BLF functionality. Now, BLF can monitor calls to a sequentially ringing hunt group.
32. Improved: DTMF Relay mechanism for sending DTMF to PSTN line via digit map.

Known Issues/limitations

1. Do not use the Auto-Attendant with 3.5.5.1 firmware. Please use firmware 3.5.5.2 beta instead
2. When 4-ISDN channels are enabled, no DSP channel is available for the FXO port.
3. If you are using a VigorTalk ATA24, you must use f/w 2.1.5.4 or later otherwise call transfer loop can occur.

Firmware Version	3.5.5
Release Date	25th Aug 2010
Build Date	25th Aug 2010
Applicable Models	VigorIPPBX 2820
ADSL Modem Code	232201 (Standard)
Locale	UK Only

New Features

For IPPBX functionality

1. Support call pickup function. For specific extension pickup or group pickup.
2. Support Call barring with wildcard match; the rule set can apply to all, extension or group.
3. Support Call forward to external number via SIP Trunk.
4. Support hunt group overflow handling.
5. Support choice of CLI for outgoing call.
6. Support FXO function. (Digitmap does not currently support FXO as an outbound route. FXO trunk number should be dialled directly)
7. Support Digitmap backup route function.
8. Support Digitmap wildcard match function. (can use this feature to setup default sip trunk)
9. Support CDR Export function.
10. Support extension/sip trunk setting backup function.
11. Support simultaneous 4-ISDN calls from two ISDN-TE ports.
12. Add telnet command to assign SIP Trunk CODEC priority, please see note for the usage.

For Firewall/Router functionality

1. Support USB Disk related applications.
2. Support IPSEC AES mode
3. Support mOTP for VPN remote dial-in user.
4. Support NAT address mapping function.
5. Support NAT Port Trigger function.

Improvement & Corrections

1. Support off-net call transfer.
2. Enhance BLF performance.
3. Support SMTP port setting for voice mail function.
4. Fixed access rule not work for USB based samba application.
5. Allow extension client to press "Missed" menu button to call an external number back.
6. Add activate action when detect ISDN line exist or not.
7. Fixed extension setting change will cause status display error when number not same with display name.
8. Enhance ISDN-TE channel voice quality.
9. Correct IVR behavior when set to "not used" option.
10. Fixed ISDN-TE offnet no dial tone and cause dsp reboot.

11. Fixed an issue where IPPBX incorrectly identified the VoIP-unlimited call hold re-invite packet as new invite request.
12. Extended the IVR length from 24 sec to 75 sec.
13. Correct some IPPBX telnet commands not work well issue.
14. Add two telnet command to adjust busy detection and echo canceler.
15. Add a telnet command that can tune the level of the DTMF detection.
16. Add telnet command to disable/enable support of remote extensions, see note.
17. Fix codec save error in WEB VoIP >> SIP Accounts
18. Add No registration call option into sip trunk WUI setting.
19. Fixed web issue for call barring setting.
20. Remove miss-added Multi-VLAN WUI page.
21. Add UK_CCA in Advance Settings Tone Setting Region.
22. Fixed situations where RTP stream would continue after call had terminated.
23. Support backup config data mechanism to prevent setting became factory default after reboot.
24. An extension without build session can not dial to park server directly.
25. Fixed incoming call to hunt group number, can not do call park issue.
26. Fixed group call rtp proxy issue.
27. Fixed PBX pause issue when receiving SIP 183 message.

Known Issues

1. IPPBX doesn't relay BYE packet from an off-net caller to an off-net callee for calls via SIP trunk.
2. Hunt group overflow rule is ignored if no members of hunt group are "online". 404 not found response is returned instead
3. Use VigorPhone firmware 12202.26.1.05 or later. Audio distortion can occur with earlier VigorPhone firmware due to RTP CODEC negotiation issue in earlier VigorPhone firmware.
4. When 4-ISDN calls are used simultaneously it might mean that PSTN trunk does not have a DSP channel available for its use. This would mean that DTMF keypresses would not be recognised by the IVR.
5. Use version later than V2154 for VigorTalk ATA24, otherwise a continuous call transfer issue could occur and cause IPPBX reboot.

Notes

1. For new telnet command, you can use the following command to setup CODEC priority
> ippbx lineSetting sip 1 -C 8,0,18 // this will set into SIP Trunk 1, with CODEC 711A > 711U > 729
2. To disable/enable support of remote registration
> ippbx pbxSystem remRegEnable [enable|disable|?]
enable: permit remote registrations
disable: disable remote registrations, IPPBX will not respond to WAN packets sent to SIP Local port
?: Show current status

Firmware Version	3.5.4
Release Date	17th Feb 2010
Build Date	25th Jan 2010
Applicable Models	VigorIPPBX 2820
Locale	UK Only

New Features

1. Support ISDN MSN mapping to extensions
2. Support SIP trunk line register via VPN.
3. SMTP port for voice e-mail can be changeable.

Improvements and Corrections

1. Callers do not need to press # to select an Auto-Attendant menu option
2. Call Barring method using URI/URL improved
3. Auto-provisioning now allows Extension Number and Display Name to be different
4. IVR Prompt upload now supported via Web Interface
5. Incoming Voicemail from external callers improved
6. Improvements to Auto-Attendant to correct situations where call wasn't being passed to extension / hunt group
7. Improvements to Call Transfer interoperability with various IP phones
8. Added Attended Call Transfer support
9. Interoperability improvements for outgoing calls via SIP Trunk
10. Resolves an issue where ISDN Port 1 was unable to make / receive calls when set to TE mode.
11. Resolves an issue where outgoing call to PSTN via SIP Trunk could cause router reboot.
12. The router will intercept phone call that don't belong to the (MSN) number set in the router.
13. Resolved incorrect model name reported to Vigor ACS system.
14. Quick start wizard displays the wrong interface name.
15. Data flow monitor display issue resolved
16. Improved WUI error checking function.
17. Improved robustness of NAT stress test.
18. Improved interoperability with VigorPhone350.

Known Issues

1. The web based upgrade will incorrectly accept Vigor2820 firmware but this will render the router inoperable until correct firmware has been loaded. Only use VigorIPPBX 2820 firmware with VigorIPPBX 2820.
2. Interoperability issue with Call Transfer from Cisco 7940 IP Phone
3. For DTMF relay, a user must use outband mode (RFC-2833) in IP phone, FXS and ISDN phone.
4. This version doesn't support call routing.
5. Problem of NMAP scan.
6. The VoIP T.38 fax relay function is not supported yet.
7. The router is unstable when the user uses P2P software, e.g., Foxy.

Firmware Version	3.5.3 (First Firmware Release)
Release Date	October 29th 2009
Build Date	September 21th 2009
Applicable Models	VigorIPPBX 2820
Locale	UK Only

First Firmware Release for this model

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