BIPAC 6404/74xx Series

ADSL Modem/Router

Release Note

New Features:

- Supports Dynamic ALG for SIP and FTP. It can be found at "Firewall" -> "General Settings".

- Supports unnumbered link for L2TP.

- WPS feature added for all WiFi models.

Improvement:

- Updated URL for ZoneEdit DDNS service.

- Supports unnumbered link for L2TP.

- Improved SIP ALG module, 6404VGP can now work behind 74xx series.

- Improved wireless performance for 7404 series.

Bug Fixed:

- Fixed compatibility issue with sipkom.com.

- Fixed the MTU setting issue.

- Fixed bug whereby IPSec can't reconnect sometimes.

- Fixed bug whereby Outbound IP Throttling doesn't work with 85xx series.

- Fixed bug whereby UPnP doesn't show the correct information.

- Fixed bug whereby DHCP server will always use default range.

- Garbled call issue resolved for the most part in AU, some users may still experience the occasional occurrence.

Known Issues:

New Features:

- Added DNS Suffix support, it can be found at DHCP Server setting page

- Added Naked DSL feature support for 7404 VoIP series.

Improvement:

- Corrected the call waiting tone for Spain.

- User can check PSTN voltage without Internet connection established.

- Update wireless AP driver version to 1.1.2.0.

- User can check the PSTN voltage configuration anytime without Internet and VoIP connected.

- Corrected some ADSL information on web page.

- Corrected Network Busy/Congestion Tones for Spain.

- Modified DHCP server's reply packets for HOSTNAME option (option 12) behavior.

- Added the capability to display local SNR Margin and Line Attenuation for 85xx.

- Added patch files for 3-way conference support and T.38

- Added MAC spoofing function on 6404VGP/VP.

Bug Fixed:

- Fixed the bug that call waiting can not be disabled correctly.

- Fixed the bug that wireless WPA/WPA2 connection is not stable with Intel 4965AGN.

- Fixed the bug that Ring & Tone setting will not work after reboot.

- Fixed the bug that IPSec won't reconnect with RFC1483 routed mode.

- Fixed MyNetFone call silence issue in AU.

- Fixed Nokia N95 SIP registration issue.

- Fixed the bug when doing diagnostic test, ping to www.google.com will fail sometimes.

- Fixed the bug that Profile accounts don't stop Ring after receiving CANCEL.

- Fixed the bug that no contain Contact field in re-INVITE in forking case.

- Fixed the bug that user will get error message "webserver:error: vim namespace from error: invalid operation" when changing wireless security setting.

- Fixed the bug that PSTN auto fallback can not be enabled on 7402VGP.

- Fixed the bug that IPSec Preshared key is deleted when Road Warrior connection is terminated

- Fixed the packet lost issue when tested via SmartBit. This bug happens in new DSP codes.

- Fixed IPSec bug: Not include HASH in 2'nd message of Aggressive mode, if DPD is enabled.
- Fixed bug: Not send DELETE request when deleting SA (at timeout), if being Initiator in Aggressive mode.
- Fixed the bug that DHCP Client can not get IP address from specify DHCP Server.
- Fixed the bug that access from remote site can pass the firewall if no any NAT session table or Virtual Server rule matched.
- Fixed the bug that 6404VP/VGP have problem to get VoIP work behind 74xx range.

Known Issues:

- G.732 codec is removed and no longer support.
- The multiple SIP accounts function cannot support to get ring on both FXS ports, but either one.
- Garbled Calls (6404/7404) in AU.
- PSTN relay constantly clicking (7402VGP/VGO) in AU.

Version: V5.52g (11th of July, 2007)

New Features:

Improvement:

- Improved logout web page in order to close the window automatically.

- Added function check on VoIP profile setting page to check and avoid space character. The profile name does not support space character, otherwise it will break dial plan rule.

- Added check function on VoIP dial plan web page to check rule length. This is to avoid long rule length will broken the rule display on web page.

Bug Fixed:

- Fixed memory lost issue that caused by DDNS function.

- Fixed memory lost issue when WAN interface is activated as DHCP client.

- Fixed memory lost issue when Telnet to device many times.

- Fixed memory lost issue when device gets DHCP client request and it will lose 16 bytes per each request.

- Added watchdog command back.

- Fixed digit stripping issue on 7402 VoIP series.

- Fixed memory lost issue when sending SIP INFO.

- Fixed memory lost issue when showing Call Logs.

- Fixed the bug that system will be locked when enabling multiple IPSec policies.

- Fixed the bug that Call Logs will show strange number when dial number is 16 characters or more.

- Fixed the bug that VoIP function on Nokia E and N series are not work, except Nokia N95.

Known Issues:

- The multiple SIP accounts function can not support to get ring on both FXS ports, but either one.

- T.38 may not work with some VSPs.

- 6404VP/VGP have problem to get VoIP work behind 74xx range.

- Garbled Calls (6404/7404) in AU.

- MyNetFone call silence issue in AU

- PSTN relay constantly clicking (7402VGP/VGO) in AU.

- Nokia N95 has problem to get SIP registration success.

Flash based upgrade will not allow downgrading to version 5.07 and early version. Need to use emergency utility for downgrading.

Reset to factory & manually re-enter settings after upgrading is must for this version.

Version: V5.52f.dm2 (8th of June, 2007)

New Features:

Improvement:

- Corrected network busy tone for Spain.

- Added flash checksum for firmware upgrade protection.

Bug Fixed:

- Fixed IPSec IKE bug: Getting wrong policy when 2 or more Road Warrior policies are created.

- Fixed the bug that CPU load will be increased up to 100% when doing remote Telnet/HTTP access.

- Fixed the bug that wireless channel scan can not work on IE 7.

Known Issues:

- The multiple SIP accounts function can not support to get ring on both FXS ports, but either one.

- T.38 may not work with some VSPs.

Flash based upgrade will not allow downgrading to version 5.07 and early version. Need to use emergency utility for downgrading.

Reset to factory & manually re-enter settings after upgrading is must for this version.

New Features:

- Support AH+ESP mode on IPSec module. (Only for VPN models.)

- Support MTU option for 6404 series.

- Support SNMP function over loopback interface.

- Support multiple SIP accounts work at the same time.

- Support CO mode on BiPAC 8501.

Improvement:

- Changed default rule of firewall low level setting. Default will allow all outgoing traffic pass to Internet. Others are keep the same for incoming traffic.

- Improved VoIP interoperability issue with Siemens Surpass server.

- Changed SHDSL DSP code, from R3.0.5 -> R3.1.1.

- Change SHDSL.bis DSP code, from R4.0 -> A388.96

- Allow 'Adaptive' option selectable in 'Standard 4-wire mode' on BIPAC 8520.

- 3-Way conference can support G.729.

- Modified some default VoIP settings for Australia area.

Bug Fixed:

- Fixed slow DNS resolution issue on Linux system.

- Fixed the bug that QoS doesn't work correctly for wireless network.

- Fixed bug that system will crash when disable firewall function from web GUI.

- Fixed bug that FXS port 2 doesn't work if both FXS ports are use the same account.

- Fixed bug that DHCP server will cause memory lost.

- Fixed bug that wireless WPA security can not set correctly by using Mac Safari browser.

- Fixed bug that diagnostic function is not stable.

- Fixed bug that system will jam if get DNS reply with TCP packet.

- Fixed bug that response time of DNS relay function is too slow.

- Fixed bug that traffic can not pass-through if the first packet is from CO to CPE on BiPAC 8501.

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Known Issues:

- The multiple SIP accounts function can not support to get ring on both FXS ports, but either one.

- T.38 may not work with some VSPs.

Flash based upgrade will not allow downgrading to version 5.07 and early version. Need to use emergency utility for downgrading.

Reset to factory & manually re-enter settings after upgrading is must for this version.

New Features:

- Support local/remote ID by using IP address for IPSec module. The setting can be found in IPSec advanced options.

- Support new keep alive feature called DPD for IPSec module. The setting can be found in IPSec advanced options.

- Support MAC spoofing on 6404 series.

- Support call features (Call Waiting, Call Forwarding) on web GUI for all VoIP series.

Improvement:

- Improved system boot up time within 90s.

Bug Fixed:

- Fixed bug that system will crash when connects to Ethernet port 4 with NIC which uses VIA chipset.

- Fixed the bug that Telnet doesn't work with Windows Vista operation system.

- Fixed bug that PPPoE/PPPoA sometimes doesn't work in Australia.

- Fixed bug that UPnP doesn't work when firewall enabed.

- Fixed bug that use can sees phone port 2 in VoIP Call Log page for 7401 VoIP series.

- Fixed bug that "VoIP in use" of Time Schedule is not work correctly on 6404 series.

Known Issues:

- The conference call can work with G.711a/u law only.

- T.38 may not work with some VSP.

Flash based upgrade will not allow downgrading to version 5.07 and early version. Need to use emergency utility for downgrading.

Reset to factory & manually re-enter settings after upgrading is must for this version.

New Features:

Improvement:

Bug Fixed:
- Fixed some fields are missed when editing packet filter rule.
- Fixed the bug that PSTN voltage is not work with 7402VGP/7402VGO.
- Fixed bug that X-Lite can not register to SIP server.
- Fixed bug that security is not disable under pure bridge mode.
- Fixed bug that DNS server address is not clear and still keep old one when checks option "Obtain DNS automatically".
- Fixed bug that UPnP device name will show Conexant IGD.
- Fixed bug that UPnP function doesn't work with Azureus.
- Fixed bug that LAN IP address will be changed when changed WAN IP address. (For 6404 series).
- Fixed no ring back tone issue.

Known Issues:
- The conference call can work with G.711a/u law only.
- T.38 may not work with some VSP.

Flash based upgrade will not allow downgrading to version 5.07 and early version. Need to use emergency utility for downgrading.

Reset to factory & manually re-enter settings after upgrading is must for this version.

Version: V5.52d (06th of Feb, 2007)

New Features:

Improvement:

- Added pre-define rule of Game Console (Xbox 360, NDS WFC) in Firewall Packet Filter.
- Added VoIP InUse item in QoS time schedule for all VoIP series.
- Updated wireless AP driver version from 1.0.8.0 to 1.0.9.0.

Bug Fixed:

- Fixed router will crash when user check option "Use default range" in DHCP Server setting page.
- Fixed the bug that PPP/Mail LED indicates wrong state.
- Fixed bug that sometimes can not edit VLAN Bridge from web GUI.

Known Issues:

- The conference call can work with G.711a/u law only.
- T.38 doesn't work.
- Flash based upgrade will not allow downgrading to version 5.07 and early version. Need to use emergency utility for downgrading.

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Version: V5.52c (18th of Jan, 2007)

New Features:

- Add ISAP (Internal Service Auto-Pass through) in the firewall module, user does not need to open firewall setting manually when firewall is enabled. SNMP, SNTP, PPTP, L2TP, and DDNS are supported.

- Supports up to 4 WDS, only wireless AP driver version 1.0.8.0 can support this. (7402 series don't support this function.)

- Support G.723 and G.726 codec. (For VoIP series, except 7402 VoIP series.)

- RFC2833 and SIP INFO (For VoIP series, except 7402 VoIP series.)

- 3-way conference call (Only for VoIP call with G.711 a/u law) (For VoIP series, except 7402 VoIP series.)

- VoIP Call Log

- Anonymous call

- Added one more VoIP region for South Africa

- Support 4-wire and 2-wire auto fallback. (Only for SHDSL)

- Added the ISDN MSN and subaddress function.

- IGMP Snooping supports IGMP v3.

Improvement:

- Changed VOIP series model to use flash based upgrade (except 7404VGO).

- Changed waiting time as 100 seconds for the VoIP series when restarting.

- Changed waiting time as 70 seconds for the non-VoIP series when restarting.

- Change WEP key format without character "-".

- Added clear message when user upgrades a wrong firmware type.

- Added clear error message when rule number over 100 in URL Filter.

- Removed CO mode option in BiPAC 8501.

- Updated wireless AP driver version from 1.0.6.0 to 1.0.8.0.

- Avoid sending voice while Codec Type is changing.

- Tolerate Syntax error that SIP Server contains Double Quotations in message-qop of Authorization field.

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Bug Fixed:

- Fixed WPA/WPA2 can not work when user only changes ESSID, but wireless security enabled already.

- Fixed UPnP port is not change immediately when doing change on the web page.

- Fixed bug that VoIP can not make a call with Internode service. (For VoIP series).

- Fixed Fax pass-through issue. (For VoIP series)

- Fixed bug that outbound IP throttling will throttle traffic between LAN and WLAN

- Fixed the bug that router will lose default gateway after PPTP VPN established as default route.

- Fixed the RIP message can not exchange successful with Cisco router.

- Fixed the TCP session will be disconnected automatically when both NAT and firewall are disabled.

- Fixed ISDN dialin does not work (Only for 7404VGD)

- Fixed SIP ALG for parsing the request from BussTel software phone.

- Fixed system crash issue when changing VPN PPTP password.

- Fixed bug that Distinctive ring is inactivated.

- Fixed bug that IPSec can not re-connect when ADSL line down or WAN IP changed.

- Fixed PPPoE Pass-through can not work when VoIP is enabled.

Known Issues:

- The conference call can work with G.711a/u law only.

- T.38 doesn't work.

- Flash based upgrade will not allow downgrading to version 5.07 and early version. Need to use emergency utility for downgrading.

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<h1 style="text-align:center">Version: V5.07 (4th of July, 2006)</h1>

New Features:

- Allowed user to configure 's=1/2' mode for some specific ADSL environment

- Supported 'PSTN Auto-fallback' feature. (Only for V series)

- Supported ENUM services with SIP Broker. (Only for V series)

- Added IM/P2P blocking function.

Improvement:

- Upgrade ADSL DMT code.

    Annex A: Upgrade to E67.5.33

    Annex M: Upgrade to E67.2.37

    Annex B: Upgrade to E74.2.15

- Improved Ethernet driver performance for video packet pass-through in IPTV application

- Modified DNS Relay cache timeout value to fix DDNS IP timeout issue (dyndns.org)

- Support fragmented VoIP INVITE message

- Support for larger VoIP INVITE message

- Support VoIP ATA that is using same SIP/RTP port as VoIP device. (Only for V series)

- Added Tx power level on the webpage.

- For PPPoE/PPPoA, the Idle timeout will be set to "0" when changing from "connect on demand" to "always on".

- Changed Default Setting for IPSec keep alive function, it helps to make IPSec re-connect quickly.

- Improved the VoIP "Add Rule" page can accept character '+'. (Only for V series)

- Improved association with Intel wireless client card.

- Added WPA1/WPA2 debug message in event log.

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Bug Fixed:

- Fixed the buffer leakage when using PPTP VPN after lots of connection/teardown.

- Fixed the problem of longer UDP keep-alive packet with some VoIP clients' software.

- Fixed the reloading packet filter rules when changing policy.

- Fixed the problem of losing Domain part of Speed Dial if Domain is equal to a Profile. (Only for V series)

- Fixed side-effect in Call Hold when both calls are using different audio codec algorithms. (Only for V series)

- Fixed the problem of too much codec algorithms (some of them might be duplicated) in SDP. (Only for V series)

- Fixed bug that ESP/AH packets to hosts on LAN are rejected.

- Fixed the option "Idle timeout" will be disabled when choosing dial out in the L2TP webpage.

- Fixed the option "Active as default route" will be disabled randomly issue when editing Remote Access Connection webpage.

- Fixed IGMP packet cannot forward correctly when option "IGMP forward all" enabled without IGMP Snooping.

- Handled URI without port (to fix re-registration bug K5 SIP server in Australia). (Only for V series)

- Fixed wireless connection dropping issue by upgrading Ralink AP firmware from 1.0.4.0 to 1.0.6.0.

- Fixed wireless traffic cannot pass through IPSec tunnels.

- Fixed WDS is not disabled (webpage) when wireless security set to WPA1/WPA2.

- Fixed Macintosh wireless client connection issue in WPA2 mode.

- Fixed wireless connection issue with Mac Mini.

- Fixed some wireless webpage can be accessed without authentication.

Known Issues:

- VoIP call-forward seems have some issues (use OnDo SIP server can not work).

Note:

About version 5.07, you don't need to reset to factory default after upgrading if the current version you have is 5.06e or above, except 7402VGO.

7402VGO users must reset their router to factory-default settings before attempting to upgrade firmware. After version 5.07, you can get the same upgrade behavior as other models.