



Billion BiPAC 7402VGP Sample Configurations V1.1

Revision History

Date	Revision	Description
September 2005	1.0	First Draft
November 2005	1.1	Second Draft Based on Firmware version-5.04e

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1 Introduction

This document gives a sample configuration of the Billion BiPAC 7402VGP when using MyNetFone Service.

Note: The firmware Version of the Billion BiPAC 7402VGP is PC-RangeV504e (0211/05), Please visit <http://www.billion.com.au/support/bipac7402vqp.php> for more details.

2 Configuration Sample

2.1 Status

VoIP/802.11g ADSL2+ Firewall Router

Status	
Device Information	
Model Name	BiPAC 7402VGP
Host Name	home_gateway
System Up-Time	00:08:14s
Current Time	Mon, 21 Nov 2005 - 11:53:33 Sync Now
Hardware Version	Argon 432 ADSL-A/2/G/VO v1.00
Software Version	5.04e
MAC Address	00:04:ED:42:08:44
Home URL	Billion Electric Co., Ltd.
LAN	
IP Address	192.168.1.254
SubNetmask	255.255.255.0
DHCP Server	Enabled
WAN	
ipwan	
VPI / VCI	8 / 35
PPPoE Connection	Connection established Disconnect
Connected time so far	00:06:28s
IP Address	203.51.107.220
SubNetmask	255.255.255.255
Default Gateway	0.0.0.0 (Interface:ipwan)
Primary DNS	144.140.71.29
Port Status	
Port	Ethernet ADSL Wireless
Connected	✓ ✓ ✓
Statistics	

2.2 VoIP → Wizard

Choose MyNetFone as your SIP Service Provider from the drop-down menu.

Then Type your MyNetFone number and Password:

2.3 VoIP → General Settings

VoIP/802.11g ADSL2+ Firewall Router

- Status
- Quick Start
- Configuration
- LAN
- WAN
- System
- Firewall
- VoIP
- Wizard
- General Settings
- Phone Port
- PSTN Dial Plan
- VoIP Dial Plan
- Ring & Tone
- QoS
- Virtual Server
- Time Schedule
- Advanced
- Save Config to FLASH
- Language

General Settings

SIP Device Parameters

SIP Enable Disable

Silence Suppression (VAD) Enable Disable

Echo Cancellation Enable Disable

RTP Port

Region

Voice QoS

Setting for Phone Port 1 Sync Now

Registrar Address(or Hostname)

Registrar Port

Expire seconds

User Domain/Realm (If empty, it is the same as Registrar Address.)

Outbound Proxy Address (If empty, it is the same as Registrar Address.)

Outbound Proxy Port

Setting for Phone Port 2 Sync Now

Registrar Address(or Hostname)

Registrar Port

Expire seconds

User Domain/Realm (If empty, it is the same as Registrar Address.)

Outbound Proxy Address (If empty, it is the same as Registrar Address.)

Outbound Proxy Port

⚠ Please note: VoIP configuration changes will only take effect when you use apply changes and select **Sync Now** for the relevant line, or when you apply changes, save configuration and restart the device.

2.4 VoIP → Phone Port

BILLION VoIP/802.11g ADSL2+ Firewall Router

Phone Port 1

Login Account Configuration

Phone Number	09XXXXXX
Authentication Username	09XXXXXX
Authentication Password
Confirm Password
Display Name	09XXXXXX

Codec Preference

Priority 1	G.729
Priority 2	PCMU (G.711 u-Law)
Priority 3	PCMA (G.711 A-Law)

Speed Dial

2#	
3#	
4#	
5#	
6#	
7#	
8#	
9#	

Apply Cancel

Volume Control

Microphone	- [Volume Bar] +
Speaker	- [Volume Bar] +

3 Firmware Release Information

3.1 Release Version and Date

✧ V5.04e 02/11/2005

3.2 Release Notes

3.2.1 New Features

✧ Added VoIP gateways function and separate VoIP dial plans for each FXS port.

3.2.2 Improvements

- ✧ Added MyNetFone into VoIP providers drop-down menu.
- ✧ Close unused socket to avoid socket consumption for preventing memory loss.
- ✧ Improved device management IP address preferences to support netmask option.
- ✧ NAT mapping improved.
- ✧ Force Firewall to allow SIP & RTP traffic for router's FXS ports The soft phone behind the NAT still needs to open port manually.
- ✧ Reduce number of event log entries for SIP Registration.
- ✧ Both FXS ports can now share the same account.

3.2.3 Bug Fixed

- ✧ Fixed memory loss when receiving the same SIP response more than once.
- ✧ Fixed some VoIP Dial Plan edit issues.
- ✧ Fixed crash issue caused by dialplan tester when PSTN in use.
- ✧ Fixed system crash when performing SIP Registration.
- ✧ Fixed memory loss issue when performing SIP Registration.
- ✧ Fixed memory loss when rebuilding From & Contact headers.

- ✧ Fixed system crash issue when PPPoE/PPPoA/PPTP/L2TP connection is broken during data transmission.
- ✧ Fixed bug in Call Return.
- ✧ New memory control pool created for voice tasks to prevent lock up issue.
- ✧ Enhanced disable feature of Ralink wireless module (Some wireless client cards could see the AP, even when disabled in router).

3.2.4 Known Issues

- ✧ Caller ID does not always work for incoming PSTN (FXO port) calls.

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