

Billion 7402 Series Static WAN IPs Setup Guide

Setting up blocks of WAN static IPs is relatively straight forward on the Billion 7402 Series. You setup your WAN connection the usual way via the wizard.

What we need to do then is to assign its WAN IP to the router > if wanted to use DHCP to assign the other IPs we will need to tell DHCP the range > Turn off NAT > Done!

Example:

You have been given a block of 8 static IPs by your ISP, your ISP should normally tells you that out of the 8 IPs only 5 are usable. 3 IPs are usually reserved for the router and broadcast and some ISPs do tell you the range of IPs that you can use or not use clearly.

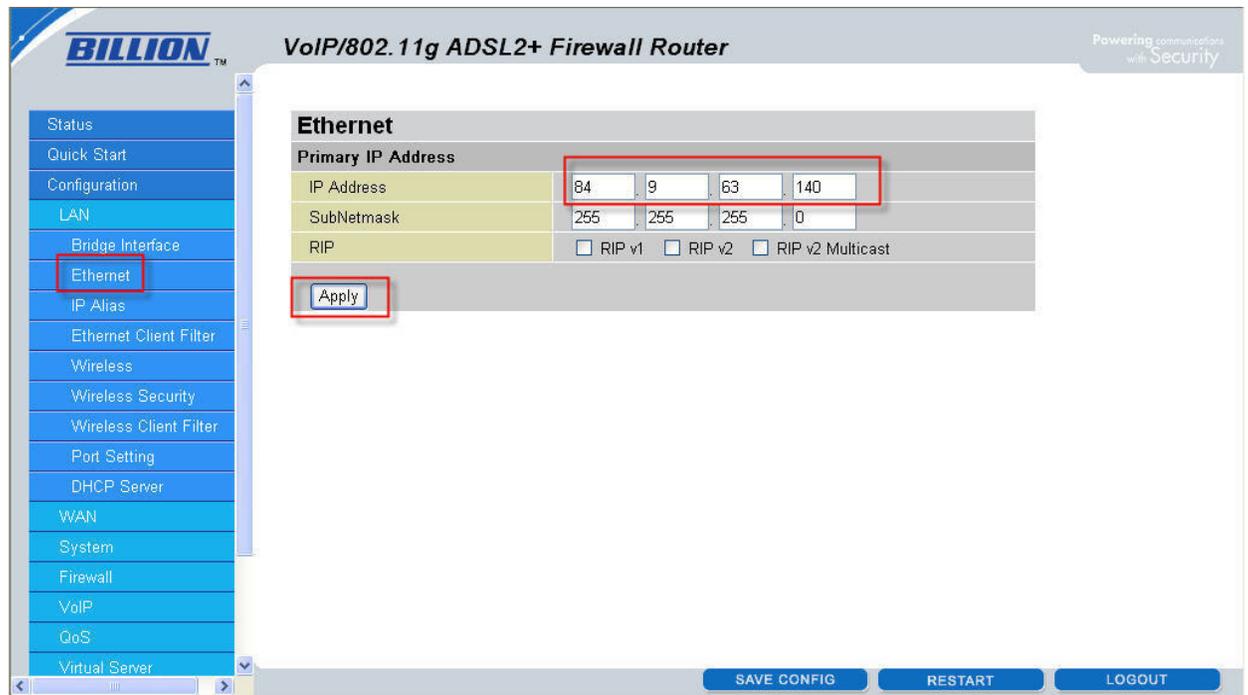
In this example I have been given a WAN IP range as follows:

Static IP range: 84.9.63.140-147

Router's IP: 84.9.63.140

Usable IP range: 84.9.63.141-145

1. Assign the router's its WAN IP address



The screenshot shows the web interface for a Billion VoIP/802.11g ADSL2+ Firewall Router. The left sidebar contains a navigation menu with options: Status, Quick Start, Configuration, LAN, Bridge Interface, Ethernet, IP Alias, Ethernet Client Filter, Wireless, Wireless Security, Wireless Client Filter, Port Setting, DHCP Server, WAN, System, Firewall, VoIP, QoS, and Virtual Server. The 'Ethernet' option is selected and highlighted with a red box. The main content area is titled 'Ethernet' and shows the 'Primary IP Address' configuration. The IP Address field is set to 84.9.63.140, and the SubNetmask is 255.255.255.0. The RIP options are unchecked. The Apply button is highlighted with a red box. At the bottom of the page, there are three buttons: SAVE CONFIG, RESTART, and LOGOUT.

2. Tell the DHCP server your static IP range if you want DHCP to handle the IPs, otherwise you can skip this step. If you don't use DHCP you will need to assign the IPs on each of the computer manually.

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DHCP Server

Configuration

DHCP Server Mode: Disable DHCP Server DHCP Relay Agent

Next

DHCP Server Status

Allow Bootp	true
Allow Unknown Clients	true
Enable	true

Subnet Definitions

Subnet Value	192.168.10.0
SubNetmask	255.255.255.0
Maximum Lease Time	86400 seconds
Default Lease Time	43200 seconds
Use local host address as DNS server	true
Use local host address as default gateway	true

SAVE CONFIG **RESTART** **LOGOUT**

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DHCP

DHCP Server

Allow Bootp: Enable Disable

Allow Unknown Clients: Enable Disable

Use Default Range:

Starting IP Address: 84.9.63.141

Ending IP Address: 84.9.63.145

Default Lease Time: 43200 seconds

Maximum Lease Time: 86400 seconds

Use Router as DNS Server:

Primary DNS Server Address: 0.0.0.0

Secondary DNS Server Address: 0.0.0.0

Use Router as Default Gateway:

Apply **Reset** Fixed Host

SAVE CONFIG **RESTART** **LOGOUT**

3. Turn off NAT

The screenshot shows the configuration page for a Billion VoIP/802.11g ADSL2+ Firewall Router. The left sidebar contains a navigation menu with 'ISP' highlighted. The main content area is titled 'WAN Connection' and features a 'WAN Services Table' with the following data:

Name	Description	Creator	VPI	VCI		
wanlink	PPPoA WAN Link	QuickStart	0	38	Edit	Change

Below the table is a 'Create' button. At the bottom of the page are 'SAVE CONFIG', 'RESTART', and 'LOGOUT' buttons. A red box highlights the 'Edit' button in the table.

The screenshot shows the configuration page for a Billion VoIP/802.11g ADSL2+ Firewall Router, specifically the 'WAN Connection' configuration for 'PPPoA Routed'. The left sidebar has 'ISP' selected. The main content area shows various configuration fields:

- Description: PPPoA WAN Link
- VPI: 0
- VCI: 38
- ATM Class: UBR
- NAT: Enable Disable
- Username: etec007@lwcol.is.ukonline
- Password: [Redacted]
- IP Address: 0.0.0.0 (0.0.0.0 means 'Obtain an IP address automatically')
- Authentication Protocol: Chap(Auto)
- Connection: Always On
- Idle Timeout: 0 minutes
- RIP: RIP v1 RIP v2 RIP v2 Multicast
- MTU: 1500
- TCP MSS Clamp: Enable Disable

At the bottom left, there is an 'Apply' button and an 'Advanced Options' link. At the bottom right are 'SAVE CONFIG', 'RESTART', and 'LOGOUT' buttons. A red box highlights the 'Apply' button.

4. Finally, you will need to click on “SAVE CONFIG” and it’s all done.