

Billion BiPAC 5200 Series

Multiple Static WAN IP Setup Guide

Setting up blocks of static WAN IPs is relatively straight forward on the Billion 5200 Series. What we need to do is to assign a WAN IP to the router > if wanted to use DHCP to assign the other IPs we will need to tell DHCP the range if not turn off DHCP > 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 cannot use clearly but some will just tells you that you can use any in the range.

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

Static IP range: 84.67.98.130-137

Subnet mask: 255.255.255.248

Router's IP: 84.67.98.130

Usable IP range: 84.9.63.131-135

The screenshot shows the 'Interface Setup' page for the LAN interface. The 'Router Local IP' section is highlighted, showing the IP Address set to 83.67.98.130 and the IP Subnet Mask set to 255.255.255.248. The 'DHCP' section is also visible, with the 'Disabled' radio button selected. The 'SAVE' button is highlighted.

- 1) Goto "Interface Setup" > "LAN"
- 2) Setup your router's LAN IP address to the one assign e.g. 83.67.98.130 and also with the correct subnet mask.
- 3) Usually the client connected to the router will use static IP so we will disable DHCP here but obviously if you want to use DHCP to handle the IPs then it is only a matter of adding the usable IP range in the DHCP IP pools.
- 4) Then press save to save all settings.

- 5) You will then need to login to the router again via its new IP e.g. <http://83.67.98.130>
- 6) Next we will need to goto “Interface Setup” > Internet
- 7) Input your ISP ADSL account details as provided.
- 8) Leave “Get IP address” on “Dynamic”
- 9) Ensure “NAT” is set on disable
- 10) Finally press “Save” apply all settings.
- 11) Once the PPP LED is on then your connection should be up and running.

| Interface | Quick Start | Interface Setup | Advanced Setup | Access Management | Maintenance | Status | Help |
|-------------------------------------|---|-----------------|----------------|-------------------|-------------|--------|------|
| | Internet | LAN | Wireless | | | | |
| ATM VC | Virtual Circuit : PVC0 <input type="button" value="PVCs Summary"/> Status : <input checked="" type="radio"/> Activated <input type="radio"/> Deactivated VPI : 0 (range: 0~255) VCI : 38 (range: 1~65535) | | | | | | |
| QoS | ATM QoS : LBR PCR : 0 cells/second SCR : 0 cells/second MBS : 0 cells | | | | | | |
| Encapsulation | ISP : <input type="radio"/> Dynamic IP Address <input type="radio"/> Static IP Address <input checked="" type="radio"/> PPPoE/PPPoA <input type="radio"/> Bridge Mode | | | | | | |
| PPPoE/PPPoA | Servicename : <input type="text"/> Username : Your ISP assign Username Password : <input type="password"/> Encapsulation : PPPoA VC-Mux Half Bridge : <input type="radio"/> Activated <input checked="" type="radio"/> Deactivated | | | | | | |
| Connection Setting | Connection : <input checked="" type="radio"/> Always On (Recommended) <input type="radio"/> Connect On-Demand (Close if idle for <input type="text" value="0"/> minutes) <input type="radio"/> Connect Manually TCP MSS Option : TCP MSS(0 means use default) <input type="text" value="1360"/> bytes | | | | | | |
| IP Address | Get IP Address : <input type="radio"/> Static <input checked="" type="radio"/> Dynamic Static IP Address : <input type="text" value="0.0.0.0"/> IP Subnet Mask : <input type="text" value="0.0.0.0"/> Gateway : <input type="text" value="0.0.0.0"/> NAT : Disabled Default Route : <input checked="" type="radio"/> Yes <input type="radio"/> No TCP MTU Option : TCP MTU(0 means use default) <input type="text" value="1400"/> bytes Dynamic Route : RIP1 Direction Both Multicast : Disabled | | | | | | |
| <input type="button" value="SAVE"/> | | | | | | | |