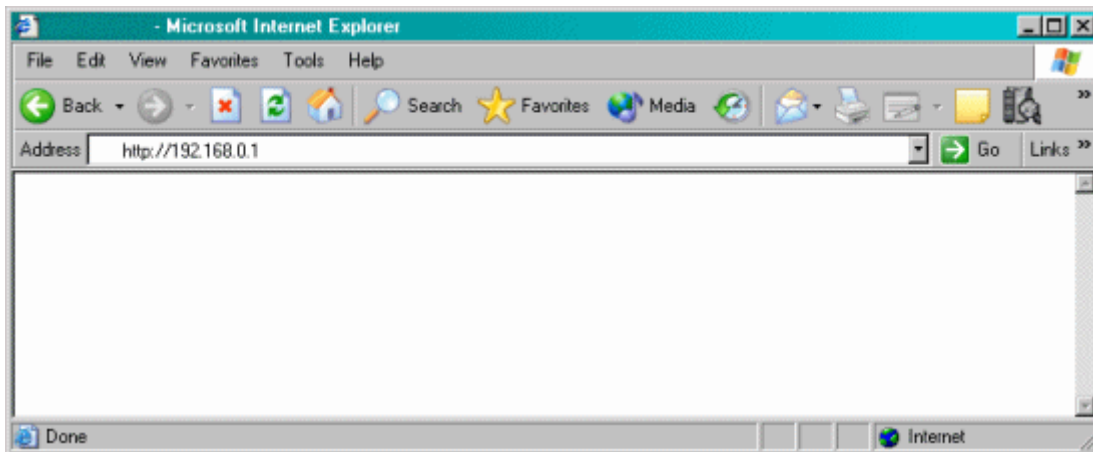


Actiontec® 1520 and 1524

How to Setup PPPoA Multiple Static IP Addresses and a Dynamic IP Address – VIP .49 Firmware

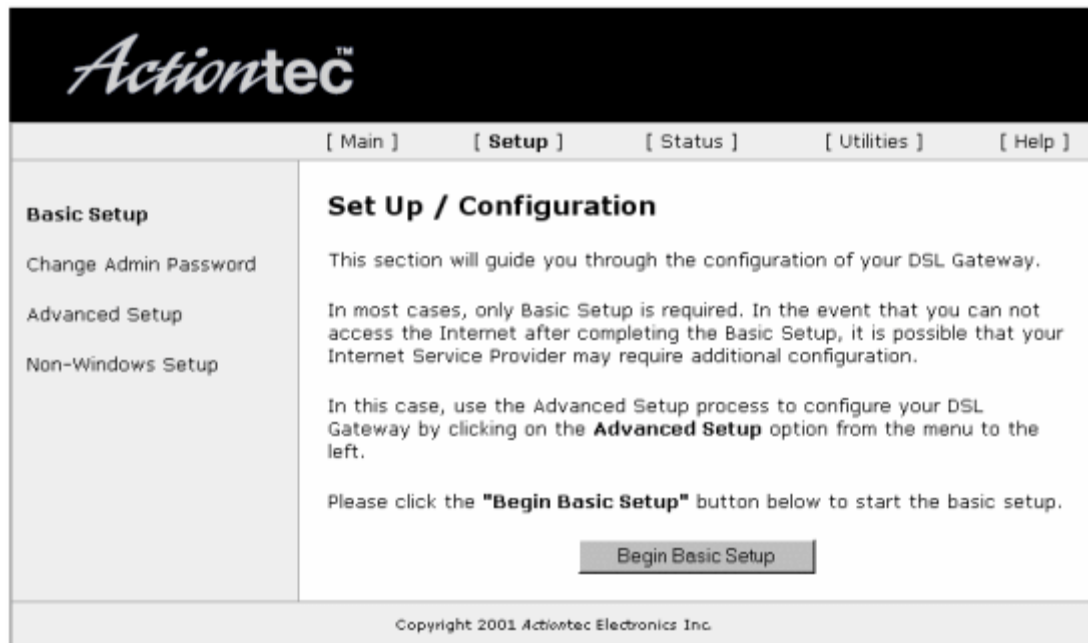
1. This setup will allow you to use static and dynamic (192.168.0.x) IPs on the Ethernet side of the modem.
2. Open your Web browser (Microsoft® Internet Explorer or Netscape®). In the location or address bar, type **192.168.0.1**. Select **Enter**.



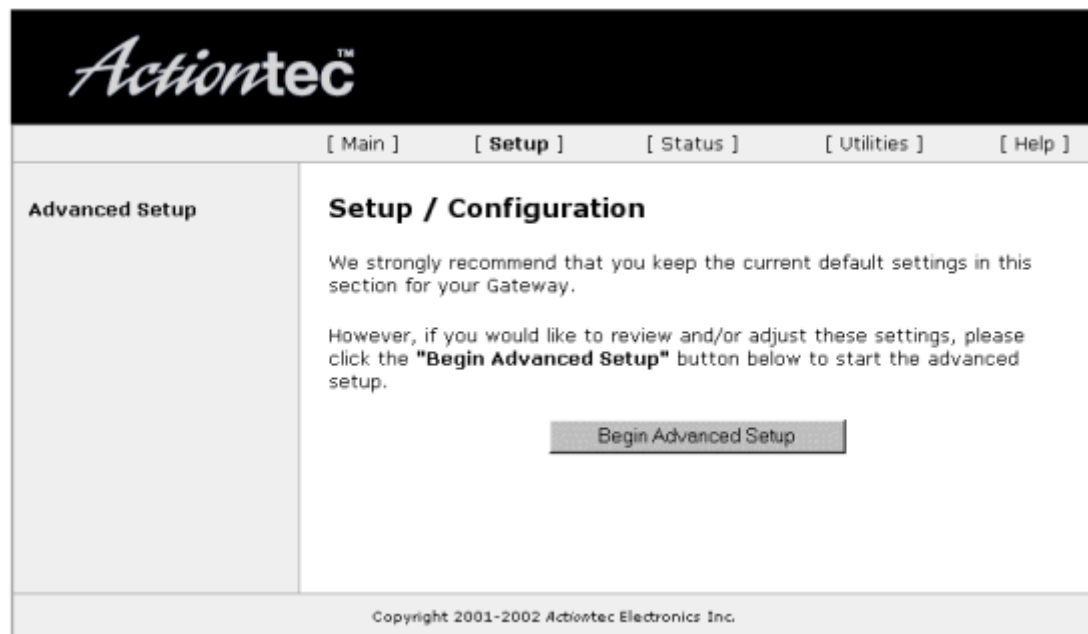
3. Select **Setup / Configuration**.



4. Select **Advanced Setup** from the options on the left.



5. Select **Begin Advanced Setup**.



6. Select **WAN IP Address** from the options on the left. Select **Obtain an IP Address through PPPoA**. Select **Unnumbered Mode** and **VIP Mode**. Under Unnumbered IP Address, type your **Gateway Address** and **Subnet Mask**. Select **Next**.
 - for /30, NETWORK_MASK = 255.255.255.252 - 4 IPs
 - for /29, NETWORK_MASK = 255.255.255.248 - 8 IPs
 - for /28, NETWORK_MASK = 255.255.255.240 - 16 IPs
 - for /27, NETWORK_MASK = 255.255.255.224 - 32 IPs
 - for /26, NETWORK_MASK = 255.255.255.192 - 64 IPs

Actiontec™

[Main] [**Setup**] [Status] [Utilities] [Help]

Advanced Setup

- WAN IP Address
- Wireless Settings
- LAN IP Address
- DHCP Server
- Services Blocking
- Website Blocking
- VPN Pass Through
- Remote Management
- Port Forwarding
- DMZ Hosting
- Firewall
- Dynamic Routing
- NAT
- Static Routing
- MAC Address Cloning

Save and Restart

WAN IP Address

Please make the appropriate selection for your Broadband connection.

Transparent Bridging (RFC1483 Bridged)

Obtain an IP Address through PPPoE

Obtain an IP Address through PPPoA

Obtain an IP Address through DHCP

Specify a Static IP Address

Encapsulation: RFC1483 Bridged RFC1483 Routed

Unnumbered Mode

VIP Mode

Unnumbered IP Address:

(Gateway Address)

(Unnumbered Subnet Mask)

Copyright 2001-2002 Actiontec Electronics Inc.

7. Type your **Username** and **Password**. Leave the Static IP field blank. Select **Next**.

The screenshot shows the Actiontec web interface. At the top is the Actiontec logo. Below it is a navigation bar with links: [Main], [Setup], [Status], [Utilities], and [Help]. The main content area is titled "Broadband Connection via PPPoE/PPPoA". It contains the following text: "Please enter the username, password and static IP required by your DSL Internet Service Provider to access the Internet." Below this text is a checkbox labeled "PPP auto connect" which is checked. There are three input fields: "User Name", "Password", and "Static IP". Below the input fields are two buttons: "Back" and "Next". On the left side of the interface, there is a sidebar menu under the heading "Advanced Setup" with the following items: WAN IP Address, Wireless Settings, LAN IP Address, DHCP Server, Services Blocking, Website Blocking, VPN Pass Through, Remote Management, Port Forwarding, DMZ Hosting, Firewall, Dynamic Routing, NAT, Static Routing, and MAC Address Cloning. At the bottom of the sidebar is the heading "Save and Restart". At the bottom of the main content area, there is a copyright notice: "Copyright 2001-2002 Actiontec Electronics Inc."

8. Select **DHCP Server** from the options on the left. Select **On**. Select **Next**.

NOTE: If you don't want to let the router automatically distribute the 192.168.0.x IPs to workstations, turn off DHCP server. You'll then need to setup the static IP, gateway and DNS servers in the computer's TCP/IP properties.

The screenshot shows the Actiontec web interface for configuring the DHCP Server. The page has a black header with the Actiontec logo. Below the header is a navigation bar with links for [Main], [Setup], [Status], [Utilities], and [Help]. On the left side, there is a sidebar titled "Advanced Setup" with a list of configuration options: WAN IP Address, Wireless Settings, LAN IP Address, DHCP Server, Services Blocking, Website Blocking, VPN Pass Through, Remote Management, Port Forwarding, DMZ Hosting, Firewall, Dynamic Routing, NAT, Static Routing, and MAC Address Cloning. The "Save and Restart" option is at the bottom of the sidebar. The main content area is titled "DHCP Server" and contains the following text: "Your Gateway will automatically assign an IP Address to each computer in your network." followed by "We recommend that you keep the current default DHCP Server setting. If you already have a DHCP server in your network, you may need to turn this function off." and "Click **Next** to continue." Below this text are two radio buttons: "On" (which is selected) and "Off". At the bottom of the main content area are two buttons: "Back" and "Next". The footer of the page contains the text "Copyright 2001-2002 Actiontec Electronics Inc."

9. The Beginning IP Address should be **192.168.0.2**. The Ending IP Address should be **192.168.0.254**. The SubnetMask should be **255.255.255.0**. For DNS, select **Dynamic**. Select **Next**. Select **Save and Restart** in the bottom left.

The screenshot shows the Actiontec DHCP Server Configuration page. The interface includes a navigation menu on the left with options like WAN IP Address, Wireless Settings, LAN IP Address, DHCP Server, Services Blocking, Website Blocking, VPN Pass Through, Remote Management, Port Forwarding, DMZ Hosting, Firewall, Dynamic Routing, NAT, Static Routing, and MAC Address Cloning. The main content area is titled 'DHCP Server Configuration' and contains the following fields and options:

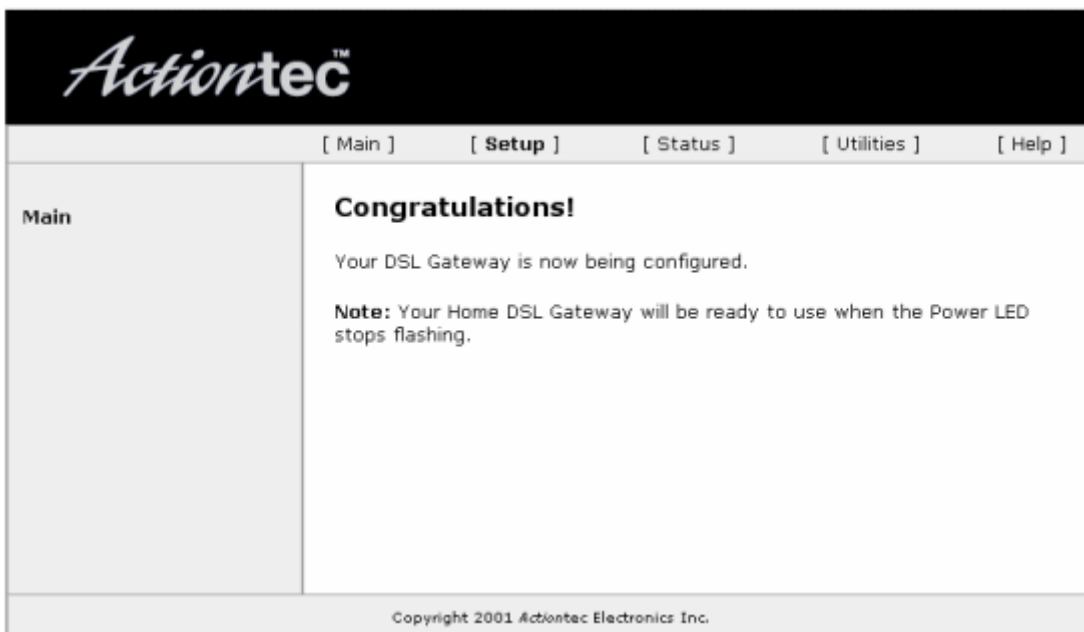
- Beginning IP Address:
- Ending IP Address:
- SubnetMask:
- DNS: Dynamic Static
- DNS Server 1:
- DNS Server 2:

At the bottom of the configuration area, there are 'Back' and 'Next' buttons. The footer of the page reads 'Copyright 2001-2002 Actiontec Electronics Inc.'

10. Select the **Save and Restart** button. This will reboot the router with the new setup.



11. When the Power LED stops flashing, the configuration is complete.





12. If you didn't elect to have the modem automatically distribute the static IPs to the client computers, you'll need to manually add them through the computer TCP/IP settings.