

# Actiontec GT724WG Router

## Setup and User Guide

*Helpful instructions on how to Set-up  
your new Static IP DSL Service*

### Table of Contents

General Information .....	1
Verify Computer Settings .....	1
Router Installation .....	4
Configuring Your Router.....	5
Configuring Your Computer.....	10
Configuring Your Email .....	13

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# Actiontec GT724WG Router

## Setup and User Guide

### General Information

#### Router Kit Components

Your router kit should include the following:

- Actiontec GT724WG modem/router
- Power cord
- Two (2) Ethernet cables
- Phone cord
- DSL filters

*Please note:*

In order to connect the router to your computer, your computer must have an Ethernet Network Interface (NIC) installed.

#### Powercycling

If you're experiencing trouble getting an Internet connection, follow the following steps:

1. Turn off the Actiontec GT724WG router.
2. Shut down your computer.
3. Wait 60 seconds.
4. Turn on the Actiontec GT724WG router.
5. Wait 1–3 minutes for all lights to stop flashing on the router.
6. Turn on your computer.
7. If your problem is not resolved, please contact our Technical Support team.

### Verify Computer Settings

#### For All Windows Computers

*To verify connection configurations:*

1. Select **Start**, then **Control Panel**.

*Note:*

If you do not see **Control Panel**, select **Settings**, then **Control Panel**.

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# Actiontec GT724WG Router

## Setup and User Guide

2. Select **Network and Internet Connections**.

*Note:*

If you do not see **Network and Internet Connections**, skip to Step 3.

3. Click **Internet Options**.
4. Select the **Connections** tab.
5. Select **Never Dial a Connection**.
6. Click **LAN Settings**.
7. Verify all boxes are unchecked and click **OK**.
8. Click **OK**.
9. Verify that your computer is set to **Obtain an IP Address Automatically** (follow the steps for your OS below).

*To verify Local Area Network (LAN) configurations:*

*Windows 7:*

1. Select the **Start Circle**, then in the **Start Search** field, type "Network and Sharing".
2. Select **Network and Sharing Center**.
3. Select **Change adapter settings**.
4. Right-click **Local Area Connection** and click **Properties**.
5. Highlight (do not uncheck) **Internet Protocol TCP/IP Version 4**.
6. From the dropdown list, select **Properties**.
7. Make sure **Obtain IP Address Automatically** and **Obtain DNS Server Addresses Automatically** are selected, and then click **OK**.
8. Click **Close**.

*Windows Vista:*

1. Select the **Start Circle**. Then type "Network and Sharing" in the **Start Search** field.
2. Select **Choose Network and Sharing Center**.
3. Select **View Status** next to **Local Area Connection**.
4. Select **Properties**.
5. Highlight (do *not* uncheck) **Internet Protocol TCP/IP Version 4**.
6. Select **Properties**.
7. Make certain **Obtain IP Address Automatically** and **Obtain DNS Server Addresses Automatically** are selected, and then click **OK**.
8. Click **Close**.

**1-888-850-5915**  
Technical Support



# Actiontec GT724WG Router

## Setup and User Guide

### Windows XP:

1. Select **Start**, then **Control Panel**.

#### Note:

If you do not see **Control Panel**, select **Settings**, then **Control Panel**.

2. Select **Network and Internet Connections**.

#### Note:

If you do not see **Network and Internet Connections**, skip to Step 3.

3. Click **Network Connections**.
4. Right-click **Local Area Connection**, then select **Properties**.
5. Highlight (do *not* uncheck) **Internet Protocol TCP/IP**.
6. Select **Properties**.
7. Make certain **Obtain IP Address Automatically** and **Obtain DNS Server Addresses Automatically** are selected, and then click **OK**.
8. Click **Close**.

### Windows 2000:

1. Select **Start**, then **Settings**, and then **Control Panel**.
2. Select **Network and Dialup Connections**.
3. Right-click **Local Area Connection**, then select **Properties**.
4. Highlight (do *not* uncheck) **Internet Protocol TCP/IP**.
5. Select **Properties**.
6. Make certain **Obtain IP Address Automatically** and **Obtain DNS Server Addresses Automatically** are selected, and then click **OK**.
7. Click **Close**.



# Actiontec GT724WG Router

## Setup and User Guide

### For All Macintosh Computers:

*To verify connections and Local Area Network (LAN) configurations:*

Mac OS X:

1. Select the **Apple** menu, then select **System Preferences**.
2. Select **Network**.
3. On the **Show** dropdown box, select **Built-In Ethernet**.
4. On the **TCP/IP** tab, make sure the **Configure IPv4** dropdown menu is set to **Using DHCP**.
5. Click **Close**.
6. When asked if you want to apply configuration changes, select **Apply**.

Mac OS 8/9:

1. Select the **Apple** menu, then select **Control Panels**, and select **TCP/IP**.
2. On the **Connect via** dropdown menu, select **Ethernet**.
3. On the **Configure** dropdown menu, select **Using DHCP Server**.
4. Click **Close**.
5. When asked if you want to save changes to the configuration, select **Save**.

## Router Installation

The router needs proper ventilation to function. Be sure to set up your router in a ventilated area, away from any heat sources.

*To wire a single computer:*

1. Plug the power cord into the power port on the back of the router.
2. Plug the other end of the power cord into a power outlet. A power strip with surge protection is recommended.
3. Plug one end of the supplied phone cord into the gray phone port the back of the router.
4. Plug the other end of the phone cord directly into the phone jack in the wall.
5. Plug one end of the yellow Ethernet cable into the Ethernet Network Interface Card (NIC) in your computer.
6. Plug the other end of the Ethernet cable into any yellow Ethernet port on the back of the Actiontec router.
7. The following lights should be lit on the router:
  - Power light on solid green.
  - DSL light on solid green.
  - Ethernet light on solid green (may flash somewhat).

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Technical Support



# Actiontec GT724WG Router

## Setup and User Guide

8. You should now be able to connect to the Internet. If a connection is not established, powercycle your computer. See page 1 for instructions.

*Please note:*

If setting up more than one computer, repeat Steps 5 and 6.

## Configuring Your Router

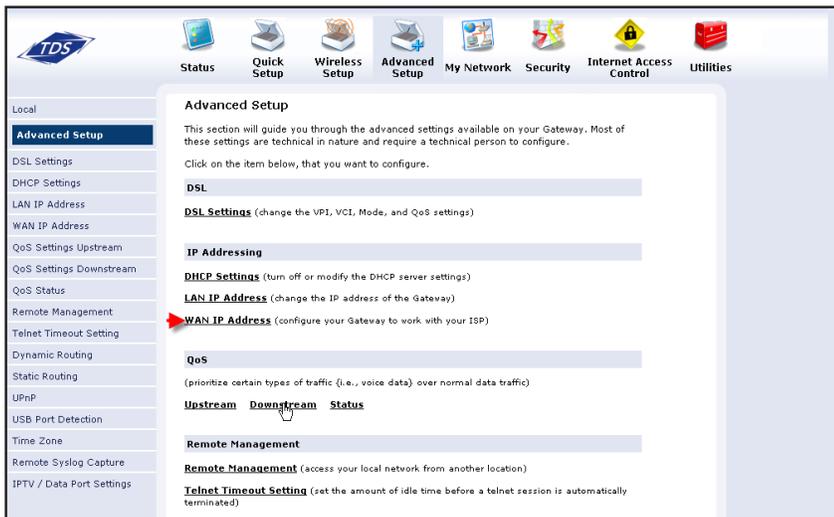
To configure your router, you will need your welcome letter with your Static IP Address settings. If you do not have this, please contact our Technical Support team.

*To configure your router:*

1. Open an Internet browser (Internet Explorer, Firefox, Safari, etc.). In the address field enter "192.168.0.1" and press **Enter**.
2. On the Main Menu, click the **Advanced Setup** icon at the top of the page.



3. Click the **WAN IP Address** link to begin.



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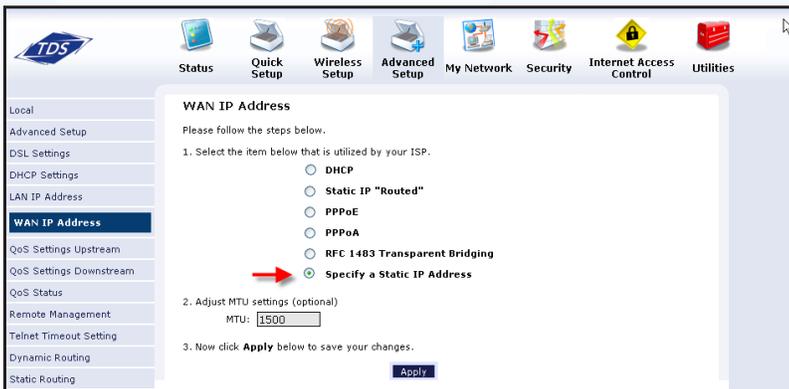
# Actiontec GT724WG Router

## Setup and User Guide

4. Select **Yes** on the confirmation screen.



5. Select **Specify a Static IP Address** under Step 1 (additional information will appear).



6. Verify **RFC 1483 Bridged** is selected under Step 2.

**1-888-850-5915**  
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# Actiontec GT724WG Router

## Setup and User Guide

7. Enter the WAN IP address listed on your welcome letter in the matching boxes under Step 3 and click the **Apply** button.

**WAN IP Address**

Please follow the steps below.

1. Select the item below that is utilized by your ISP.
  - DHCP
  - Static IP "Routed"
  - PPPoE
  - PPPoA
  - RFC 1483 Transparent Bridging
  - Specify a Static IP Address
2. Please select your encapsulation.
  - Encapsulation:  RFC 1483 Bridged  RFC 1483 Routed
3. Please enter your **Static IP Address** and **Default Gateway Address** provided to you by your Internet Service provider.
  - IP: [XXXXXXXXXX]
  - Subnet Mask: [XXXXXXXXXX]
  - Default Gateway Address: [XXXXXXXXXX]
4. Adjust MTU settings (optional)
  - MTU: [1500]

5. Now click **Apply** below to save your changes.

If the devices behind your computer do not need a static IP, please stop here.

8. On the Main Menu, click the **Advanced Setup** icon at the top of the page.



9. Click the **LAN IP Address** link to begin.

**Advanced Setup**

This section will guide you through the advanced settings available on your Gateway. Most of these settings are technical in nature and require a technical person to configure.

Click on the item below, that you want to configure.

- DSL**
  - DSL Settings** (change the VPI, VCI, Mode, and QoS settings)
- IP Addressing**
  - DHCP Settings** (turn off or modify the DHCP server settings)
  - LAN IP Address** (change the IP address of the Gateway)
  - WAN IP Address** (configure your Gateway to work with your ISP)
- QoS**
  - (prioritize certain types of traffic (i.e., voice data) over normal data traffic)
  - Upstream Downstream Status**
- Remote Management**
  - Remote Management** (access your local network from another location)
  - Telnet Timeout Setting** (set the amount of idle time before a telnet session is automatically terminated)
- Routing**

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# Actiontec GT724WG Router

## Setup and User Guide

10. Select **Yes** on the confirmation screen.

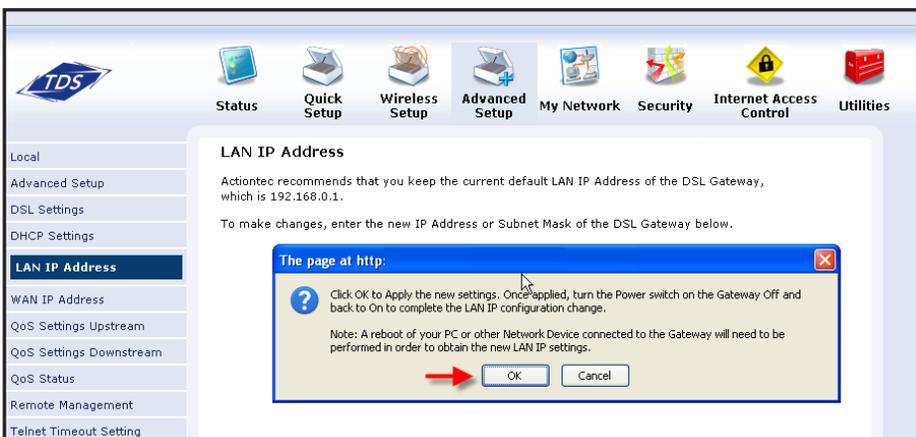


11. Enter the LAN IP address and Subnet Mask listed on your welcome letter.



12. Click **Apply**.

13. You will then see:



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# Actiontec GT724WG Router

## Setup and User Guide

14. Click **OK** (please wait to powercycle your router; you will reboot later).

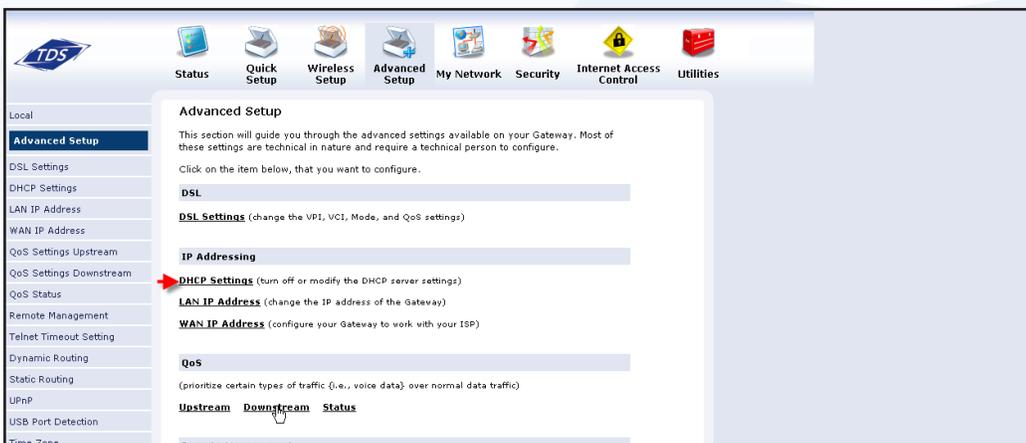
*Note:*

When using a Static IP address on your LAN you must also shut off the modem's DHCP server and NAPT.

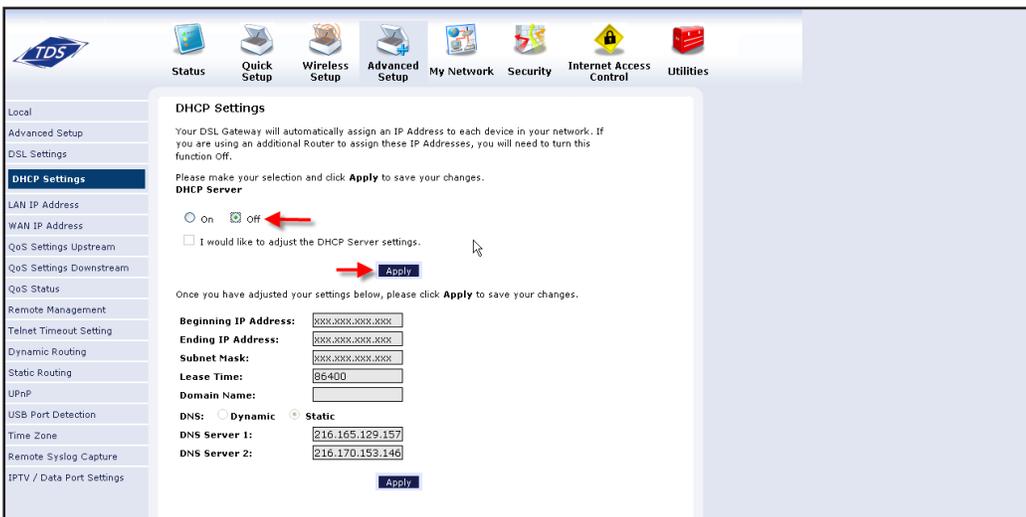
15. On the Main Menu, click the **Advanced Setup** icon at the top of the page.



16. Select **DHCP Settings**.



17. Turn the DHCP settings off and click **Apply**.



**1-888-850-5915**  
Technical Support



# Actiontec GT724WG Router

## Setup and User Guide

18. Select the Security: menu.



19. Select **NAT**.



20. Turn NAT off and click **Apply**.



## Configuring Your Computer

Once your router has been configured, you'll need to configure your computer to test and make sure your Static IP addresses are working correctly.

*To configure your computer:*

Windows 7:

1. Select **Start**, and then **Control Panel**.
2. Select **Network and Internet**, and then **Network and Sharing Center**.
3. From the Tasks list on the left, select **Change Adapter Settings**.

**1-888-850-5915**  
Technical Support



# Actiontec GT724WG Router

## Setup and User Guide

4. Right-click **Local Area Connection**.
5. From the dropdown list, select **Properties**.
6. Highlight **Internet Protocol Version 4**.
7. Select **Properties**.
8. Select **Use the following IP address**.
9. Use the information from your welcome letter to complete the configuration fields (IP Address, Subnet Mask, Default Gateway, DNS).

### *Windows Vista:*

1. Select the **Start Circle**. Then type "Network and Sharing" in the **Start Search** field.
2. Select **Choose Network and Sharing Center**.
3. Select **View Status** next to **Local Area Connection**.
4. Select **Properties**.
5. Highlight (do *not* uncheck) **Internet Protocol TCP/IP Version 4**.
6. Select **Properties**.
7. Set the computer to **Use the Following IP Address**.
8. Use the information from your welcome letter to complete the configuration fields (IP Address, Subnet Mask, Default Gateway, DNS).

### *Windows XP:*

1. Select **Start**, then **Control Panel**.

*Note:* If you do not see **Control Panel**, select **Settings**, then **Control Panel**.

2. Select **Network and Internet Connections**.

*Note:* If you do not see **Network and Internet Connections**, skip to Step 3.

3. Click **Network Connections**.
4. Right-click **Local Area Connection**, then select **Properties**.
5. Highlight (do *not* uncheck) **Internet Protocol TCP/IP** and select **Properties**.
6. Set the computer to **Use the following IP Address**.
7. Use the information from your welcome letter to complete the configuration fields (IP Address, Subnet Mask, Default Gateway, DNS).

# Actiontec GT724WG Router

## Setup and User Guide

### Windows 2000:

1. Select **Start**, then **Settings**, and then **Control Panel**.
2. Select **Network and Dialup Connections**.
3. Right-click **Local Area Connection**, then select **Properties**.
4. Highlight (do *not* uncheck) **Internet Protocol TCP/IP**.
5. Select **Properties**.
6. Set the computer to **Use the following IP Address**.
7. Use the information from your welcome letter to complete the configuration fields (IP Address, Subnet Mask, Default Gateway, DNS).

### Mac OS X:

1. Select the **Apple menu**, then select **System Preferences**.
2. Select **Network**.
3. On the **Show** dropdown box, select **Built-In Ethernet**.
4. On the **TCP/IP** tab, make certain the **Configure IPv4** dropdown box is set to **Manually**.
5. Using the information from your welcome letter, set the following:
  - **IP Address:** One of the LAN Usable IPs
  - **Subnet Mask:** LAN Subnet Mask
  - **Default Gateway:** LAN Default Gateway
  - **DNS Servers:** DNS Primary & Secondary Servers
6. When asked if you want to apply configuration changes, select **Apply**.

### Mac OS 8/9:

1. Select the **Apple menu**, then select **Control Panels**, and select **TCP/IP**.
2. On the **Connect via** dropdown box, select **Ethernet**.
3. On the **Configure** dropdown box, select **Manually**.
4. Using the information from your welcome letter, set the following:
  - **IP Address:** Any one of the LAN Usable IPs
  - **Subnet Mask:** LAN Subnet Mask
  - **Router Address:** LAN Default Gateway.
  - **Name Server Addr.:** DNS Primary & Secondary Servers
5. Click **Close**.
6. When asked if you want to save changes to the configuration, select **Save**.

After configuring your computer, reboot your router by turning it off and then back on. Finally, open a browser and verify that you can access the Internet. If you cannot, please contact our Internet Technical Support team.

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# Actiontec GT724WG Router

## Setup and User Guide

### Configuring Your TDS Email

Included with your High-Speed Internet service are 20 free email accounts.

*To configure your email:*

1. Enter "www.tds.net" in your Web browser.
2. Select **Manage Your Account** at the top of the page.
3. Select **View and Modify Internet Account Information**.
4. Log in using the temporary username and password found on your Welcome Letter (this was mailed to you for security reasons).
5. To activate additional email accounts, select **My Mailbox** and add email accounts at the bottom of the page.

Once established, your email accounts can be accessed anywhere with an Internet connection. Simply visit [www.tds.net](http://www.tds.net). Then, click the **Check TDS Email** box. Make [www.tds.net](http://www.tds.net) your home page for easy access!

If you prefer to use an email client (such as Outlook) to access your email, please visit [www.tdstelecom.com/pop](http://www.tdstelecom.com/pop) for setup instructions.

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