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 Computer11	0
Configuring Your Email1	3



### 1-888-850-5915

**Technical Support** 

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



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** 

2

103948/3-11/6960

#### 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.



1-888-850-5915 Technical Support

#### 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).



1-888-850-5915 Technical Support

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.

Local         Advanced Setup           Advanced Setup         This section will guide you through the advanced settings available on your Gateway. Most of these settings are tachnical in nature and require a technical person to configure.           DSL Settings         Click on the item below, that you want to configure.           DHCP Settings         DSL           DLAN IP Address         DSL Settings (change the VPI, VCI, Mode, and QoS settings)           QoS Settings Downstream         PI Addressing           QoS Status         DHCP Settings (change the IP address of the Gateway)           Remote Management         WAN IP Addressi (configure your Gateway to work with your 13P)	Local     Advanced Setup       Advanced Setup     This section will guide you through the advanced settings available on your Gateway. Most of these settings are tachnical in nature and require a technical person to configure.       DSL Settings     Click on the item below, that you want to configure.       DHCP Settings     DSL       DKP Settings     DSL       QSS Settings Upstream     DSL Settings (shange the VPI; VCI, Mode, and QoS settings)       QSS Settings Downstream     DHCP Settings (tum off or modify the DHCP server settings)       QSS Settings Downstream     DHCP Settings (tum off or modify the DHCP server settings)       QSS Settings Change the IP address of the Gateway)     WAN IP Address (configure your Gateway to work with your ISP)       Want IP Address (configure your Gateway to work with your ISP)     QoS       Upnamic Routing     QoS       Upnamic Routing     Upstream Downstream Downstream Status
DHCP Settings         DSL           LAN IP Address         DSL Settings (change the VPI, VCI, Mode, and QoS settings)           WAN IP Address         PAddressing           QoS Settings Downteram         IP Addressing           OQS Settings Contract (change the IP address of the Gateway)         IAN IP Address (change the IP address of the Gateway)           Remote Management         WAN IP Address (configure your Gateway to work with your ISP)	DHCP Settings         DSL           LAN IP Address         DSL           VAN IP Address         DSL Settings (change the VPI, VCI, Mode, and QoS settings)           QoS Settings Doystream         IP Addressing           QoS Settings Doystream         DHCP Settings (change the VPI, VCI, Mode, and QoS settings)           QoS Settings Downsom         DHCP Settings (change the VPI, VCI, Mode, and QoS settings)           QoS Settings Downsom         DHCP Settings (change the VPI, VCI, Mode, and QoS settings)           QoS Settings Downsom         DHCP Settings (change the VPI, VCI, Mode, and QoS settings)           QoS Settings Downsom         DHCP Settings (change the VPI, VCI, Mode, and QoS settings)           QoS Settings Downsom         DHCP Settings (change the IP address of the Gateway)           Remote Management         WAN IP Address (configure your dateway to work with your ISP)           Upamic Routing         QoS           Ip remote Kouting         (prioritize certain types of traffic (i.e., voice data) over normal data traffic)           Upape         Upage trained to work your normal data traffic)
QoS Settings Upstream     IP Addressing       QoS Settings Downstream     DHCP Settings (tum off or modify the DHCP server settings)       QoS Status     LAN IP Address (change the IP address of the Gateway)       Remote Management     WAN IP Address (configure your Gateway to work with your ISP)	QoS Settings Downstream     IP Addressing       QoS Settings Downstream     DHCP Settings (tum off or modify the DHCP server settings)       QoS Settings Downstream     DHCP Settings (tum off or modify the DHCP server settings)       Remote Management     NAN IP Address (configure your Gatavay to work with your ISP)       Telnet Timeout Setting     OgoS       Static Routing     (prioritize cartain types of traffic (i.e., voice data) over normal data traffic)       UPnP     Upstream Downstream Status
	Teiner Timeout Setting       Dynamic Routing       QoS       Static Routing       (prioritize certain types of traffic (i.e., voice data) over normal data traffic)       UPnP     Upstream Downstream Status



1-888-850-5915 Technical Support

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.



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



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.





1-888-850-5915 Technical Support

10. Select Yes on the confirmation screen.

TDS	<b>Status</b>	Quick Setup	Wireless Setup	Advanced Setup	My Network	Security	Internet Access Control	Utilities
		Address						
Local	LANTP	Address						
Advanced Setup				WARNING	!!			
DSL Settings	Any chan	ges made to t	he LAN IP Addr	ess will reset s	ome of the other	settings on	the Gateway.	
DHCP Settings	Dor	not proceed w	ithout understal	naing the techr	nical impacts of c	nanging this	reature.	
LAN IP Address			Do y	Yes	roceed?			
WAN IP Address								
QoS Settings Upstream		D	2					

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

TDS	<b>Status</b>	Quick Setup	Wireless Setup	Advanced Setup	<b>B</b> My Network	Security	Internet Access Control	Utilities
Local	LAN IP	Address						
Advanced Setup	Actiontec (	recommends t	hat you keep t	he current defa	ault LAN IP Addre	ess of the DS	L Gateway,	
DSL Settings	which is 19	92.168.0.1.						
DHCP Settings	To make o	hanges, enter:	r the new IP Ad	dress or Subne	et Mask of the DS	SL Gateway t	ielow.	
LAN IP Address		-	Modem IP	Address: 🛛	***.***			
WAN IP Address		-	Modem Subr	net Mask: 🛛	******			
QoS Settings Upstream				Apply				
QoS Settings Downstream			R					
OoS Status			•					

#### 12. Click Apply.

13. You will then see:





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 DCHP Settings.



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

		- 40			1.14		-	
TDS		6) 🐣		<u>T</u>	25	-		
	Status Qu	ick Wirel	ess Advanced	My Network	Security	Internet Access	Utilitie	
	Se Se	tup Seti	ip Setup		,	Control		
Local	DHCP Setting	js						
Advanced Setup	Your DSL Gatewa	y will automatica	lly assign an IP Ad	dress to each de	vice in your n	etwork. If		
DSL Settings	you are using an function Off.	additional Route	to assign these IP	Addresses, you	will need to ti	urn this		
DHCP Settings	Please make you	r selection and cl	ick <b>Apply</b> to save	your changes.				
LAN IP Address								
WAN IP Address	🔘 On  Of	" 🔶						
QoS Settings Upstream	🗌 I would like	to adjust the DH	CP Server settings.					
QoS Settings Downstream			Apply					
QoS Status	Once you have a	djusted your sett	ings below, please	click Apply to sa	ve your chan	iges.		
Remote Management	Designing 10 A							
Telnet Timeout Setting	Ending IP Add	mess: XXX	***					
Dynamic Routing	Subnet Mask:	XXX						
Static Routing	Lease Time:	864	00					
UPnP	Domain Name:							
USB Port Detection	DNS: Oyna	imic 💿 Statio						
Time Zone	DNS Server 1:	216	.165.129.157					
Remote Syslog Capture	DNS Server 2:	216	.170.153.146					
IPTV / Data Port Settings			Apply					



18. Select the Security menu.



19. Select NAT.

Local         Security           Security         Admin User Name and Password (Allows you to change the Admin User Name and Password)           Admin User Name &         Firewall Settings (Allows you to change the Admin User Name and Password)           Admin User Name &         Firewall Settings (Allows you to set and configure the Gataway's firewall)           Possword         Port Forwarding (Allows by application the ability to bypass the Gataway's built-in firewall, allowing access to pasts of the network)           PMZ Hosting         PMZ Hosting (Used to support online gaming and Internet conferencing services)           NAT         NAT	Status Quick Setup	Wireless Setup	<b>111</b> My Network	Security	Internet Access Control	Utilities	
Security         Admin User Name and Password (Allows you to change the Admin User Name and Password)           Admin User Name & Password         Firewall Settings (Allows you to set and configure the Gateway's firewall)           Password         Part Forwarding (Allows the ability to bypass the Gateway's built-in firewall, allowing access to parts of the network)           PORT Forwarding         DMZ Hosting (Used to support online garning and Internet conferencing services)           DMZ Hosting         NAT (Network Address Translation, allows you turn NAT On or Off)	cal Security						
Addmin User Name & Password         Firewall Settings (Allows you to set and configure the Gateway's firewall)           Possword         Port Forwarding (Allows by application the ability to bypass the Gateway's built-in firewall, allowing access to parts of the network)           Port Forwarding         DMZ Hosting (Used to support online gaming and Internet conferencing services)           DMZ Hosting         NAT (Network Address Translation, allows you turn NAT On or Off)	curity <u>Admin User Name a</u>	nd Password (Allows you to ch	hange the Admin U	Jser Name ar	nd Password)		
Preventil Settings         Port Forwarding (Allows by application the ability to bypass the Gateway's built-in firewall, allowing access to parts of the network)           Port Forwarding         DMZ Hosting (Used to support online garning and Internet conferencing services)           DMZ Hosting         NAT (Network Address Translation, allows you turn NAT On or Off)	fmin User Name & <u>Firewall Settings</u> (All assword	lows you to set and configure th	he Gatevay's fireva	all)			
Port Forwarding DMZ Hosting (Used to support online gaming and Internet conferending services) DMZ Hosting NAT (Network Address Translation, allows you turn NAT On or Off) NAT	ewall Settings Port Forwarding (All- parts of the network)	ows by application the ability to	bypass the Gatew	ay's built-in f	irevall, allowing acces	is to	
DMZ Hosting NAT (Network Address Translation, allows you turn NAT On or Off) NAT	rt Forwarding DMZ Hosting (Used to	support online gaming and In	ternet conferencing	g services)			
NAT	MZ Hosting <b>NAT</b> (Network Address	Translation, allows you turn NA	T On or Off)				
	λŢ						

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

TDS	<b>Status</b>	Quick Setup	Wireless Setup	Advanced Setup	🔡 My Network	🥸 Security	Internet Access Control	Utilities
Local	NAT							
Security	Warning:	Please do no	t disable NAT u	nless instructe	d to do so by yo	ur ISP. Turni	ng off NAT	
Admin User Name & Password	Click Appl	rour DSL Gate ly to continue.	way to outside	intrusion, crea	ting a security ri	sk.		
Firewall Settings	🔿 On	💿 off 🗲	_					
Port Forwarding								
DMZ Hosting			_	Арріу				
NAT							R	

#### **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.



- 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).



#### 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.

### 1-888-850-5915

**Technical Support** 

#### **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. Then, click the **Check TDS Email** box. Make 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 for setup instructions.





### 1-888-850-5915

**Technical Support**