

Draytek Vigor 2500 Configuring in Layer2 PPPoE for Windows XP and 2000



Contents

- 1. Network Configuration
- 2. Restore Router To Factory Defaults
- 3. Re-configure In Layer2 PPPoE
- 4. Optional

Please note: Some screen shots may differ due to different versions of firmware used. Please have your router powered on and connected directly to your PC via Ethernet cable before you begin

1. Network Configuration

PPPoE connection does not require you to have an IP address or DNS settings manually encoded on your network card. PPPoE connection uses authentication to establish the Internet connection and its after doing this that your router is assigned an IP and DNS settings from TPG.

To begin, your PC needs to receive a private IP address from the router. Most ADSL routers have DHCP enabled by default that will take care of this.

To ensure your Network Card is ready for this, please follow the following steps:

- a. Click on Start -> Settings ->Control Panel -> Network Connections
- b. Find your Network Card then right click on this and select Properties



c. Double click on Internet Protocol TCP/IP

Compex BL200	0 PCI Ethernet Adapter	1
		Configure
mponents checked	are used by this conne	ction
By the drig f line	a originity for minorough	
Internet Proto	col (TCP/IP)	
Internet Proto	col (TCP/IP)	
Install	col (TCP/IP) Uninstall	Properties
Install	col (TCP/IP)	Properties
Install Install Description Transmission Contr wide area network across diverse inte	uninstall	Properties

- d. Ensure "Obtain an IP address automatically" is selected
- e. Ensure "Obtain DNS server address automatically" is selected
- f. Click on OK

ernet Protocol (TLP/JP) Pr ieneral You can get IP settings assign	ad automaticallu if your network supports
this capability. Otherwise, you r the appropriate IP settings.	eed to ask your network administrator for
Colucionalization	
Obtain an IF address auto Obtain an IF address auto	omatically
IP address:	505.
Subnet mask:	
Default gateway:	
G. Ohtein DNC server edde	
C Use the following DNS set	ss automatically erver addresses:
Preferred DNS server:	
Alternate DNS server:	
	Advanced

2. Restore Router To Factory Defaults

Please Note: By doing this step you will be deleting any additional customised settings (if applicable) in your router, for example port forwarding. You can change the configuration of your router to PPPoE without restoring the router to factory defaults in which case please skip this step and proceed from step 3 however if you experience Internet problems after competing the setup, we recommend you do perform step 2 then proceed from step 3

- a. Make sure your router is powered on and connected to your PC (Network card) via Straight through Ethernet cable
- b. Use a paper clip to depress the reset button at the back of your router for 10 seconds and release. At this point the reset is in progress. Please do not power off the unit

c. When the indicator lights return steady, the reset is complete. Your router is now at factory defaults

3. Re-configure In Layer 2 PPPoE

- a. Open your browser and in the address bar type http://192.168.1.1 and press enter
- b. You will be prompted to login however just leave the username and password fields empty and click on **OK**. If your router is not at factory defaults and you have changed the login credential, please enter the current username and password for your router interface

Enter Net	work Passwo	ard				? ×
30	Please type y	vour user nam	ne and pas	sword.		
1	Site:	192.168.1	.1			
	Realm	Login to th	ne Router ^v	Web Confi	gurator	
	Jser Name	[1
	Password	-				
	🔲 Save this	password in	your pass	word list		
			\square	ОК	D_{0}	Cancel
			\leq		~_	

c. Click on the link Internet Access Setup

LAN MAC Address : 00-	0.04 21 20 50 34 2003 20-7F-0C-7E-11
asic Setup (Setup First)	Quick Setup
 Administrator Password Setup LAN TCP/IP and DHCP Setup Wireless LAN Setup 	>> Internet Access Setup
Advanced Setup	System Management
>> Dynamic DNS Setup >> Call Schedule Setup >> NAT Setup >> RADIUS Setup >> Static Route Setup >> IP Filter/Firewall Setup >> VPN and Remote Access Setup >> UPNID Secture Setup	>> Online Status >> VPN Connection Management >> Configuration Backup / Restoration >> SysLog Setup >> Time Setup >> Management Setup >> Diagnostic Tools >> Reboot System

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d. Click on PPPoE/PPPoA

Dray Te	Model : Vigor2500 Firmware Version : v2.3.b_4U2 Build Dale/Time: Two Cet 21:20:5:0.34:2003 LAN MAC Address : 00:50:77-15:12:8E	Vigor series
Main > Quick Setup > Inte	rnet Access Setup	
S	elect the Internet Access Mode:	
	DSL Modern Internet Access Auto detect ATM/DSL settings	
<	>> PPPoE / PPPoA >> MPoA (RFC1483/2684)	
	Copyright(c) 2003, DrayTek Corp. All Righ	

- e. Enter the following DSL Modem Settings:
 - PPPoE/PPPoA client: enabled
 - VPI: 8
 - VCI: 35
 - Encapsulating Type: LLC /SNAP
 - Protocol: PPPoE
 - Modulation: G.dmt (for ADSL customers) Multimode (for ADSL2+ customers)

Enter the following ISP Access Setup

- ISP Name: TPG
- Username:
 - **<TPGusername>**@L2TP.tpg.com.au for Fixed IP plans **OR**
 - <TPGusername>@PPP.tpg.com.au for Dynamic IP plans (e.g. adsl1234@L2TP.tpg.com.au)
- Password: Your Password by default is the same as your
 TPGusername> however if you have changed your password since registration time, please use your current TPG password
- PPP Authentication: PAP

Click **OK** to save settings

Main > Quick Setup > Internet Access Setup > PPPOE/PPPOA				
PPPoE / PPPoA Client Mode	<< Bac			
PPPoE/ PPPoA Client Enable DSL Modem Settings VPI State Stress VPI State Stress VPI State Stress VPI State Stress VPPoE PPPoE PPPoE PPPoE PPPoE For Wired LAN D D D D D D D D D D D D D	ISP Access Setup ISP Name TPG Username PasSword PAP or CHAP ■ Authentication PAP or CHAP ■ Authentication ISP WANIP Alias Fixed IP O Yes O No (Dynamic IP) Fixed IP Address * : Required for some ISPs O Default MAC Address O Specify a MAC Address MAC Address: 00 · [50 · [7F : 15 · 12 · 5F] Scheduler (1-15) , , , , , , , , , , , , , , , , , , ,			

f. Click on the menu Main in the top left corner

Dray Tek	Model : Vigor2500 Firmware Version : v2.3 b_AU2 Build Date/Time : Tue Oct 21 20:5:0:34 2003 LAN MAC Address : 00:50-7F-15:12:5E	Vigor series 2500
Main > Quick Setup > Internet A	ocess Setup	
Selec	t the Internet Access Mode:	
DS	L Modern Internet Access	
	Auto detect ATM/DSL settings	
>>	PPPoE / PPPoA MPoA (RFC1483/2684)	
: d		
	Copyright(c)2003, DrayTek Corp. All Righ	ts Reserved.

g. Under the heading System Management, click on the link Reboot System



- h. The reboot process may take up to 60seconds after which your router will be reconfigured and ready to be used
- i. To browse websites, please now launch your browser

4. Optional

You router:

If you had had other services setup on your router and you had restored your router to factory defaults before configuring in PPPoE, please now reconfigure these functions to your current router settings.

Other Additional Services:

If you are reconfiguring your router from Layer 3 to Layer 2 PPPoE and you also had other services like web server, mail server, VPN etc that were dependent on your old Layer3 IP address, please ensure that appropriate reconfiguration is done to allow normal services to resume.

Please Note: ADSL routers will by default be capable of automatic authentication. This means your router will use your credentials you have provided to make the Internet connection. Each time your router is powered on, it will initialize this automated authentication process after which your router will receive a public IP address (fixed or dynamic depending on your plan) and DNS settings from TPG

Support Information

For further assistance, please call TPG TechnicalSupport on 1300 360 855Technical Support Opening HoursMonday to Friday8am – midnightSaturday and Sunday9am – 9pmPublic Holidays9am – 6pm