

DRAYTEK□
VIGOR□
2500□
SERIES□

Vigor2500 series introduction



	Vigpr2500	Vigpr2500We	Vigpr2500Wt
ADSL Routers	*	*	*
Annex A / Annex B	*/*	*/*	*/*
ISDN Backup	~	~	~
Wireless AP	~	*	*

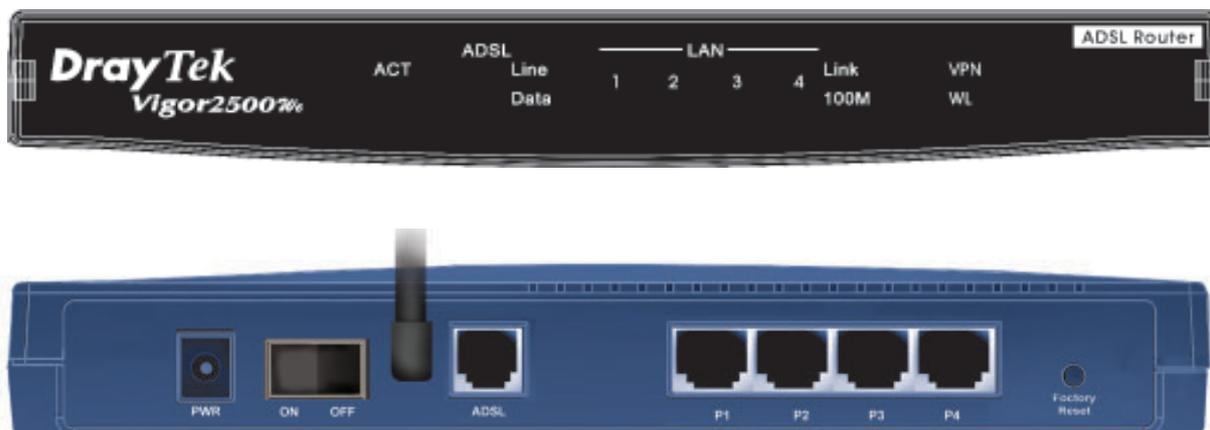
The Vigor2500 series is an Internet access solution for your LAN which not only provides shared web surfing but countless other value-added features such as security, VPN and multimedia support, all in a reliable one-box solution.

LED Indicators and Back Panels Each of the Vigor2500 series router has different front and rear panels. Before you begin to install, please take a moment to become more familiar with the LED indicators and rear panels. The following sections describe the models individually.



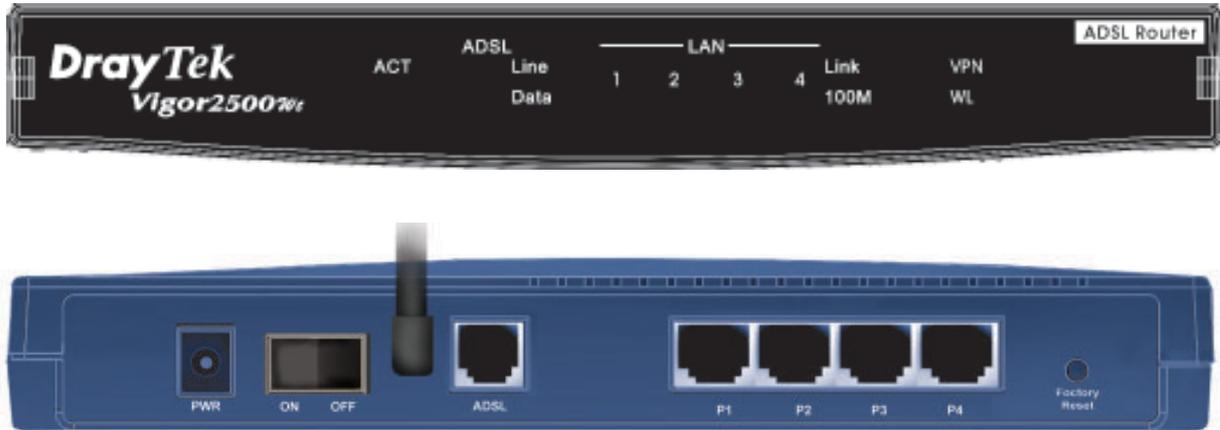
LED Indicators	Descriptions	
ACT(Activity)	Blink when power is supplied to the router and the router is running normally.	
ADSL	LINE	ON when the ADSL network is correctly setup
	DATA	Blinking indicates the DSL protocols start handshaking. The light will remain still when data transmission is available.
LAN 1-4	Link	Local Area Network port status. A steady LED indicates a connection between computers on your LAN. A flickering LED indicates data transmission.
	100Mbps	Speed status of the Ethernet connection. A steady LED indicates 100Mbps speed. If the Link light is on and the 100Mbps light is off, the speed is 10Mbps.
VPN	VPN connection status. A steady LED indicates VPN connection is up.	

Back Panels	Descriptions
ON/OFF	ON / turn on power. OFF / switch off the power. Only the power adapter comes with the package can be connected to the AC 9V power jack.
PWR	To connect Vigor 2500 to an electrical outlet.
P1,P2,P3,P4	These switch ports should be connected to your local PCs.
ADSL	To connect the ADSL cable to your telephone jack.
Factory Reset	The restore default settings: While the router is running (ACT LED blinking), press the button and hold for more than five seconds. The ACT LED begins to blink rapidly, then release the button . The router will restart with the factory default configuration.



LED Indicators	Descriptions	
ACT(Activity)	Blink when power is supplied to the router and the router is running normally.	
ADSL	LINE	ON when the ADSL network is correctly setup
	DATA	Blinking indicates the DSL protocols start handshaking. The light will remain still when data transmission is available.
LAN 1-4	Link	Local Area Network port status. A steady LED indicates a connection between computers on your LAN. A flickering LED indicates data transmission.
	100Mbps	Speed status of the Ethernet connection. A steady LED indicates 100Mbps speed. If the Link light is on and the 100Mbps light is off, the speed is 10Mbps.
VPN	VPN connection status. A steady LED indicates VPN connection is up.	
WL	ON when the wireless LAN is ready. A flickering LED indicates data transmission.	

Back Panels	Descriptions
ON/OFF	ON / turn on power. OFF / switch off the power. Only the power adapter comes with the package can be connected to the AC 9V power jack.
PWR	To connect Vigor 2500We to an electrical outlet.
P1,P2,P3,P4	These switch ports should be connected to your local PCs.
ADSL	To connect the ADSL cable to your telephone jack.
Factory Reset	The restore default settings: While the router is running (ACT LED blinking), press the button and hold for more than five seconds. The ACT LED begins to blink rapidly, then release the button . The router will restart with the factory default configuration.



LED Indicators	Descriptions	
ACT(Activity)	Blink when power is supplied to the router and the router is running normally.	
ADSL	LINE	ON when the ADSL network is correctly setup
	DATA	Blinking indicates the DSL protocols start handshaking. The light will remain still when data transmission is available.
LAN 1-4	Link	Local Area Network port status. A steady LED indicates a connection between computers on your LAN. A flickering LED indicates data transmission.
	100Mbps	Speed status of the Ethernet connection. A steady LED indicates 100Mbps speed. If the Link light is on and the 100Mbps light is off, the speed is 10Mbps.
VPN	VPN connection status. A steady LED indicates VPN connection is up.	
WL	ON when the wireless LAN is ready. A flickering LED indicates data transmission.	

Back Panels	Descriptions
ON/OFF	ON / turn on power. OFF / switch off the power. Only the power adapter comes with the package can be connected to the AC 9V power jack.
PWR	To connect Vigor 2500Wt to an electrical outlet.
P1,P2,P3,P4	These switch ports should be connected to your local PCs.
ADSL	To connect the ADSL cable to your telephone jack.
Factory Reset	The restore default settings: While the router is running (ACT LED blinking), press the button and hold for more than five seconds. The ACT LED begins to blink rapidly, then release the button . The router will restart with the factory default configuration.

**Copyright
Declarations**

Copyright © 2003 All rights reserved. This publication contains information that is protected by copyright. No part may be reproduced, transmitted, transcribed, stored in a retrieval system, or translated into any language without written permission from the copyright holders.

Trademarks

The following trademarks are used in this document:

- . Microsoft is a registered trademark of Microsoft Corp.
- . Windows, Windows 95, 98, Me, NT, 2000, XP and Explorer are trademarks of Microsoft Corp.
- . Apple and Mac OS are registered trademarks of Apple Computer Inc.

Other products may be trademarks or registered trademarks of their respective manufacturers.

Safety Instructions

- . Read the installation guide thoroughly before you set up the router.
- . The router is a complicated electronic unit that may be repaired only by authorized and qualified personnel. Do not try to open or repair the router yourself.
- . Do not place the router in a damp or humid place, e.g. a bathroom.
- . The router should be used in a sheltered area, within a temperature range of +5 to +40 Celsius.
- . Do not expose the router to direct sunlight or other heat sources. The housing and electronic components may be damaged by direct sunlight or heat sources.
- . Keep the package out of reach of children.
- . When you want to dispose of the router, please follow local regulations on conservation of the environment.

Warranty

We warrant to the original end user (purchaser) that the router will be free from any defects in workmanship or materials for a period of three (3) years from the date of purchase from the dealer. Please keep your purchase receipt in a safe place as it serves as proof of date of purchase. During the warranty period, and upon proof of purchase, should the product have indications of failure due to faulty workmanship and/or materials, we will, at our discretion, repair or replace the defective products or components, without charge for either parts or labor, to whatever extent we deem necessary to restore the product to proper operating condition. Any replacement will consist of a new or re-manufactured functionally equivalent product of equal value, and will be offered solely at our discretion. This warranty will not apply if the product is modified, misused, tampered with, damaged by an act of God, or subjected to abnormal working conditions. The warranty does not cover the bundled or licensed software of other vendors. Defects which do not significantly



affect the usability of the product will not be covered by the warranty. We reserve the right to revise the manual and online documentation and to make changes from time to time in the contents hereof without obligation to notify any person of such revision or changes.

European Community

Hereby, we declare that the router is in compliance with the essential requirements and other relevant provisions of R&TTE Directive 99/5/EC.

Be A Registered Owner

Web registration is preferred. You can register your Vigor router via <http://www.draytek.com.tw>. Alternatively, fill in the registration card and mail it to the address found on the reverse side of the card.

Firmware & Tools Updates

Due to the continuous evolution of DrayTek ADSL & Router technology, all routers will be regularly upgraded. Please consult the DrayTek web site for more information on newest firmware, tools and documents.
<http://www.draytek.com.tw>



Vigorous Access Broadband



Vigor2500

Series Quick Start Guide

Aim of this chapter

Quickly connect your router to the Internet

Delivery check

Check your router package for the following items :

The Router

1 printed Quick Start Guide with warranty/ registration card

1 CD includes detailed User Manual in electronic form, released firmware and utilities

1 AC/DC power supply adapter (black)

1 Ethernet LAN cable (blue) for connection to a computer or hub

1 ADSL line cable (RJ-11 or RJ-45, black)

1 external antenna for Vigor2500We/Wt

Identify your variant

Your router package should contain all these items. If any item is missing or damaged, contact your dealer or our Customer Service Department immediately.

The Vigor2500 series all contain Annex A/Annex B models, please check if the package is suitable for your using.

You can get the information from bottom of Vigor2500 series router.

Annex A : connecting to an analog POTS line

Annex B : connecting to a digital ISDN line





What you need from ISP

DSL line

Depending on the variant Vigor2500 series you purchased, the following DSL service must be available at your local premisses:

ADSL/POTS : ADSL service must be enabled on your POTS telephone line.

ADSL/ISDN : ADSL service must be enabled on your ISDN telephone line.

DSL Parameters

It should provide at least the following information from ISP :

1. The VPI/VCI of the virtual channel to use on the DSL line
2. Protocol : PPPoE, PPPoA or MPoA (RFC1483/2684)
3. Encapsulation Method : LLC/SNAP or VCMUX
4. Modulation Method : T1.413, G.lite, G.DMT
(Vgior2500 series provides *multimode* which can automatically detect)

www.draytek.com.tw



Example:

- VPI/VCI = 0/33
- Protocol = PPPoA
- Encapsulation Method = VCMUX
- Modulation Method = G.DMT

Username/Password

Only for PPPoE/PPPoA mode users

Fixed IP Address/ Subnet Mask/ Gateway IP Address

Only for MPoA mode users. Some ISP will use DHCP method to provide IP address for MPoA mode users, then users do not need to know the fixed IP address.

If you do not know these information in detail, please contact your ISP to get these informations.

What you need in your side

Local networking

To use the Ethernet port(s) you need at least:

One PC with an Ethernet Card installed.

TCP/IP protocol suite

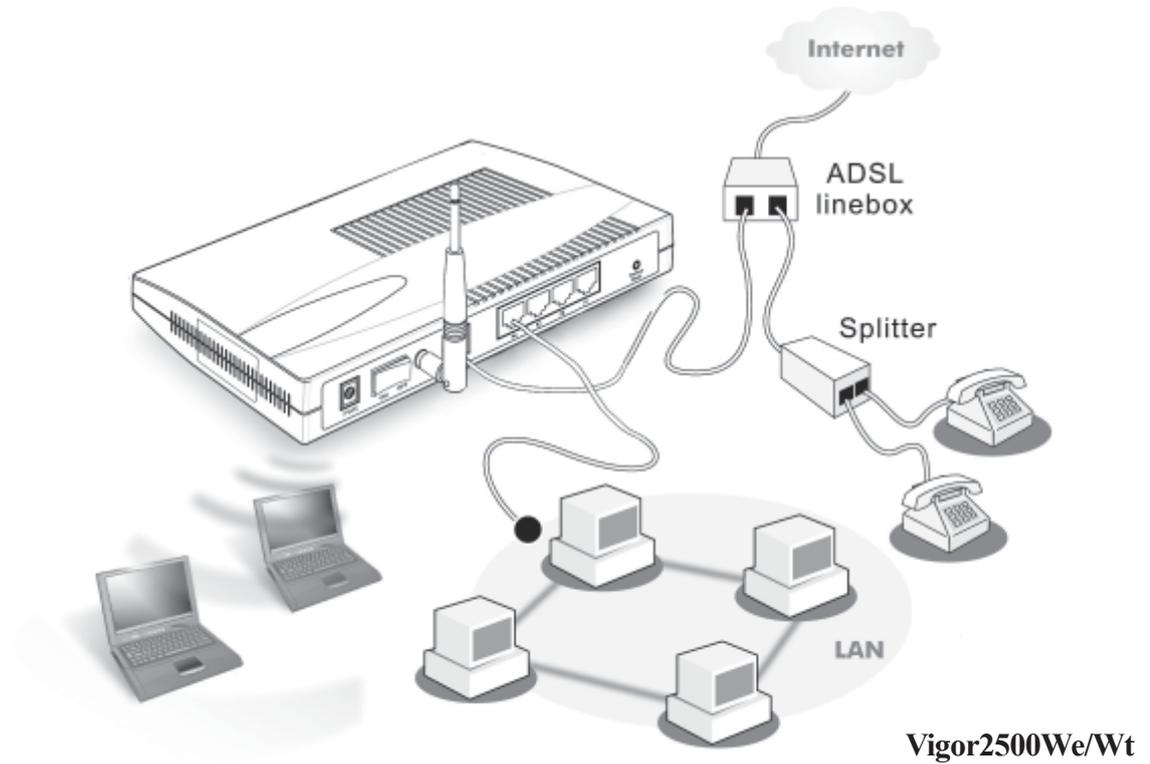
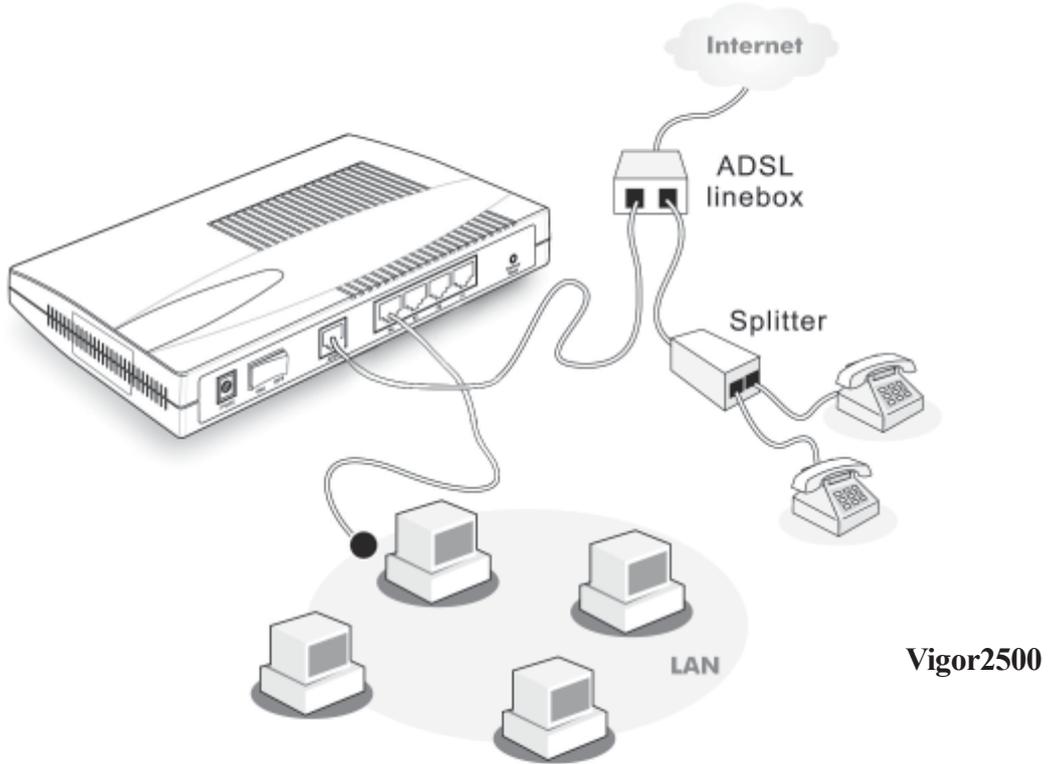
For TCP/IP, your PC can set either static IP or DHCP to ask IP from router. The default gateway of router is 192.168.1.1. If static IP is chosen, you can set 192.168.1.x for your PC.

A Web browser



You must wire

Ethernet port (between router and PC), DSL port and Power port as below:





Install ‘ Router Tools ‘

This tool which provides ‘Quick Start Wizard’, ‘Firmware Upgrade Program’ and ‘Syslog Monitor’ client is in the attached CD. It supports Windows, Mac OS 8/9 and Mac OS X.

Turn on your router

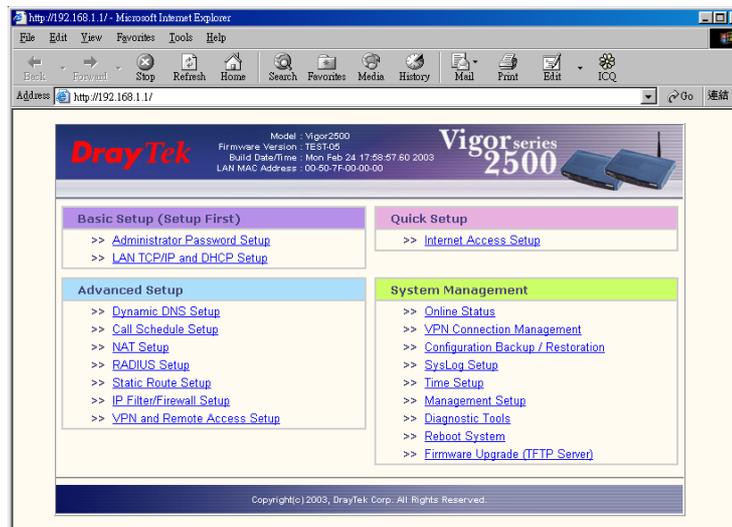
Once all previous steps are completed, turn on your router. After Power is on, the ‘ACT’ LED and corresponding LAN port LED will light.

If the LEDs do not light normally, please refer to section A, ‘Trouble Shooting’, for further information.

Connect to Router

If the PC is set to obtain IP address automatically (recommended), you can use Windows winipcfg.exe or ipconfig.exe to check if it has obtained an IP address from the router. If not, please reboot PC and ensure that it has obtained an IP address from the router.

Then you can use “Quick Start Wizard” to configure router or connect to router via Web browser directly. The default IP of router is 192.168.1.1.



Password

The default password is null. You can press ‘OK’ to skip it.





Enter Router Menu

Once past the password prompt, you will now see the router's main menu:

(Example: Vigor2500)

DrayTek Model : Vigor2500
Firmware Version : TEST-05
Build Date/Time : Mon Feb 24 17:58:57.60 2003
LAN MAC Address : 00-50-7F-00-00-00

Vigor series 2500

Basic Setup (Setup First)

- >> [Administrator Password Setup](#)
- >> [LAN TCP/IP and DHCP Setup](#)

Quick Setup

- >> [Internet Access Setup](#)

Advanced Setup

- >> [Dynamic DNS Setup](#)
- >> [Call Schedule Setup](#)
- >> [NAT Setup](#)
- >> [RADIUS Setup](#)
- >> [Static Route Setup](#)
- >> [IP Filter/Firewall Setup](#)
- >> [VPN and Remote Access Setup](#)

System Management

- >> [Online Status](#)
- >> [VPN Connection Management](#)
- >> [Configuration Backup / Restoration](#)
- >> [SysLog Setup](#)
- >> [Time Setup](#)
- >> [Management Setup](#)
- >> [Diagnostic Tools](#)
- >> [Reboot System](#)
- >> [Firmware Upgrade \(TFTP Server\)](#)

Copyright(c) 2003, DrayTek Corp. All Rights Reserved.

Set DSL Parameters

Click on 'Internet Access Setup' on the right-hand menu.

You will find two items : PPPoE/PPPoA and MPoA (RFC 1483/2684).

Then You can continually enter setting menu according to the protocol which ISP assigns.

DrayTek Model : Vigor2500
Firmware Version : TEST-05
Build Date/Time : Mon Feb 24 17:58:57.60 2003
LAN MAC Address : 00-50-7F-00-00-00

Vigor series 2500

> Quick Setup > Internet Access Setup

Select the Internet Access Mode:

- DSL Modem Internet Access**
- Auto detect ATM/DSL settings
- >> [PPPoE / PPPoA](#)
- >> [MPoA \(RFC1483/2684\)](#)

Copyright(c) 2003, DrayTek Corp. All Rights Reserved.



For PPPoE/PPPoA Users

Enter your allocated username, password and DSL parameters according to the information provided by your ISP.

If you want to connect to Internet all the time, you can check 'Always On'.

The screenshot shows the configuration page for PPPoE/PPPoA Client Mode. At the top, it displays the DrayTek logo, model information (Vigor2500), and firmware details. The breadcrumb trail is: Quick Setup > Internet Access Setup > PPPoE/PPPoA. The page title is "PPPoE / PPPoA Client Mode" with a back button. The main configuration area is divided into two columns. The left column contains "DSL Modem Settings" with fields for VPI (0), VCI (33), Encapsulating Type (LLC/SNAP), Protocol (PPPoE), and Modulation (Multimode). The right column contains "ISP Access Setup" with fields for ISP Name, Username (T0177921), Password (*****), and a checked "Always On" option. Below this is "IP Address Assignment Method (IPCP)" with "Fixed IP" set to "No (Dynamic IP)". At the bottom of the configuration area is a "Scheduler (1-15)" section with four empty input boxes. An "OK" button is centered below the configuration area. The footer contains the copyright notice: Copyright(c) 2003, DrayTek Corp. All Rights Reserved.

For MPoA (RFC 1483/2684) Users

Enter your allocated WAN IP address(or enabling DHCP client to get IP from ISP) and DSL parameters according to the information provided by your ISP.

The screenshot shows the configuration page for MPoA (RFC1483/2684) Mode. At the top, it displays the DrayTek logo, model information (Vigor2500), and firmware details. The breadcrumb trail is: Quick Setup > Internet Access Setup > MPoA (RFC1483/2684). The page title is "MPoA (RFC1483/2684) Mode" with a back button. The main configuration area is divided into two columns. The left column contains "MPoA (RFC1483/2684)" with "Encapsulation" set to "1483 Bridged IP LLC", "DSL Modem Settings" (VPI: 0, VCI: 33, Modulation: Multimode), and "RIP Protocol" (Enable RIP unchecked). The right column contains "WAN IP Network Settings" with "Obtain an IP address automatically" selected. Below this are fields for Router Name, Domain Name, and "Specify an IP address" (selected) with a "WAN IP Alias" button. The IP Address field contains "0.0.0.0", Subnet Mask contains "255.255.255.0", and Gateway IP Address is empty. An "OK" button is centered below the configuration area. The footer contains the copyright notice: Copyright(c) 2003, DrayTek Corp. All Rights Reserved.



Auto detect ATM/DSL Setting

You can also use this function to detect ATM/DSL setting. Please follow the instructions to operate. If your country is not in the list, it may take longer time to detect.

Surfing Internet

Once all previous steps are completed, you can surf Internet now. You can also monitor the connection condition via router management function.

(Example: Vigor2500)

DrayTek		Model : Vigor2500		Firmware Version : TEST-05		Build Date/Time : Mon Feb 24 17:58:57 2003		LAN MAC Address : 00-50-7F-00-00-00		Vigor series 2500	
System Management > Online Status											
System Status										System Uptime: 3:21:57	
LAN Status											
	IP Address		TX Packets		RX Packets						
	192.168.1.1		887		958						
WAN Status											
			GW IP Addr	61.244.114.248							
Mode	IP Address	TX Packets	TX Rate	RX Packets	RX Rate	Up Time					
PPPoE	61.244.114.248	8	38	10	22	00:00:01					
ADSL Information (ADSL Firmware Version : 3.08)											
ATM Statistics											
		TX Cells	RX Cells	Tx CRC errs	Rx CRC errs						
		231288	231081	58581	0						
ADSL Status											
	Mode	State	Up Speed	Down Speed	SNR Margin	Loop Att.					
	G.DMT	SHOWTIME	64000	51200	11.0	25.5					
Copyright(c) 2003, DrayTek Corp. All Rights Reserved.											

Wireless LAN Setting

Wireless setting is for Vigor2500We and Vigor2500Wt only.



If you want to connect your wireless supported devices to Vigor2500We or Vigor2500Wt, you need configure the router before you start to use it.



Wireless LAN Interface

The Vigor2500We and Vigor2500Wt are equipped with a wireless LAN interface compliant with the 11 Mbps IEEE 802.11b protocol. The speed of Vigor2500Wt can up to 22 Mbps. The features of wireless LAN capability enable high mobility of several simultaneous users accessing all LAN facilities just like on a wired LAN as well as Internet and WAN access.

DrayTek Model : Vigor2500
Firmware Version : TEST-05
Build Date/Time : Thu Feb 27 16:3:16.0 2003
LAN MAC Address : 00-50-7F-00-00-00

Vigor series 2500

> Basic Setup > Wireless LAN Setup

Wireless LAN Information << Back

MAC Address : 00-06-ab-00-23-1d
Frequency Domain : Europe

Detailed Settings

>> General Settings
>> WEP Settings
>> Access Control

Copyright(c) 2003, DrayTek Corp. All Rights Reserved.

The Frequency Domain is set as Europe and the MAC address will show as above. Click General Settings, you could configure the SSID and wireless channel.

DrayTek Model : Vigor2500
Firmware Version : TEST-05
Build Date/Time : Thu Feb 27 16:3:16.0 2003
LAN MAC Address : 00-50-7F-00-00-00

Vigor series 2500

> Basic Setup > Wireless LAN Setup > General Settings

General Setting (IEEE 802.11) << Back

Enable Wireless LAN

Scheduler (1-15) 1 2 3 4

SSID : default

Channel : Channel 6, 2437MHz

Hide SSID

SSID :
wireless LAN Service Set ID.

Hide SSID :
the scanning tool can't read the SSID when sniffing radio.

Channel :
Select the frequency channel of wireless LAN.

Cancel OK

Copyright(c) 2003, DrayTek Corp. All Rights Reserved.

Scheduler: You can set wireless device to work at some time interval only. These are 4 intervals you can choose: schedule1, schedule2, schedule3, and schedule4. The default setting is always working. You can set the schedule under Advanced Setup >> Call Schedule Setup. (Please refer to detail manual on the attached CD)



SSID(Service Set Identification): You should set the SSID same as your note book wireless card to allow the client PCs to access the network via the wireless LAN interface. The default SSID is "default".

Channel: To select a wireless channel for Vigor2500We / Vigor2500Wt. The default channel is 6.

Hide SSID: To check it to hide SSID when the wireless clients sniffing radio.

WEP Security of Wireless LAN Interface

WEP Encryption:

To improve the security and privacy of your wireless data packets the WEP encryption feature can be used. The WEP encrypts each frame transmitted from the radio using one of the keys entered from this panel. WEP encryption can be enabled by selecting 64 bits or 128 bits from pull down menu. These are 4 key sets can be entered and only one key can be selected. The key can be entered by ASCII or Hexadecimal.

The screenshot shows the WEP Settings page for a DrayTek Vigor series 2500 router. The page header includes the DrayTek logo, model information (Vigor2500), firmware version (TEST-05), build date/time (Thu Feb 27 16:3:16.0 2003), and LAN MAC address (00-50-7F-00-00-00). The breadcrumb trail is: Basic Setup > Wireless LAN Setup > WEP Settings. The main content area is titled "WEP Settings" and features a "<< Back" link. The "WEP Encryption" dropdown menu is set to "Disable". Below this, there are four radio buttons labeled "Key 1" through "Key 4", each followed by a text input field for the WEP key. The "Key 1" radio button is selected. Below the key input fields, there are instructions for entering keys: "For 64 bit WEP key" (Type 5 ASCII character or 10 Hexadecimal digits leading by "0x", for example "AB312" or "0x4142333132".) and "For 128 bit WEP key" (Type 13 ASCII character or 26 Hexadecimal digits leading by "0x", for example "0123456789abc" or "0x30313233343536373839414243"). At the bottom of the form are "Cancel" and "OK" buttons. The footer of the page reads "Copyright(c) 2003, DrayTek Corp. All Rights Reserved."

Disable: Turns off the WEP encryption mechanism.

WEP 64 Bit: For 64bits WEP key, either 5 ASCII characters or 10 hexadecimal digitals leading by 0x can be entered. For example, ABCDE or 0x4142434445.

WEP 128 Bit: For 128bits 13 ASCII characters or 26 hexadecimal digitals leading by 0x can be entered. For exmaple, ABCDEFGHIJKLM or 0x4142434445464748494A4B4C4D.



Access Control of Wireless LAN Interface

For additional security of wireless access, the Access Control allows you to restrict the network access rights by the wireless LAN MAC address of client. Only the valid MAC address which has been configured can allow to access the wireless LAN interface.

Model : Vigor2500
Firmware Version : TEST-05
Build Date/Time : Thu Feb 27 16:3:16.0 2003
LAN MAC Address : 00-50-7F-00-00-00

Vigor series 2500

> Basic Setup > Wireless LAN Setup > Access Control

Access Control << Back

Enable Access Control

Index	MAC Address
-------	-------------

MAC Address :
[] : [] : [] : [] : [] : []

Add Remove Edit Cancel

Note :
Add or remove the wireless user's MAC address to accept or deny the access to the network.

Clear All OK

Copyright(c) 2003, DrayTek Corp. All Rights Reserved.

Enable Access Control: To check the Enable Access Control to enable the MAC Address access control feature.

MAC Address: To type the specific MAC Address which could be added on, removed from or edited from the access list above.

ADD: To add a MAC address on the list.

Remove: To remove the selected MAC address on the list.

Edit: To edit the selected MAC address on the list.

Cancel: To cancel the MAC address access control setup.

Clean All: To clean all of configured MAC address on the list.

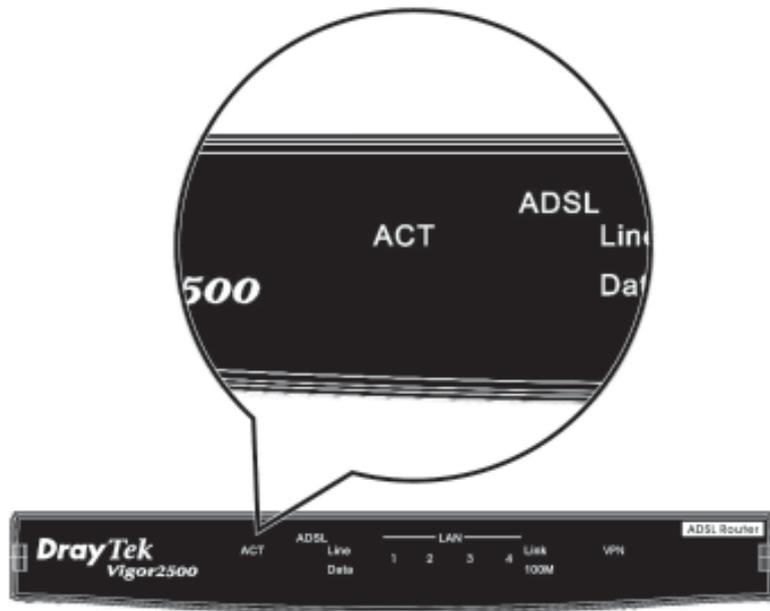
OK: To save the access control list.



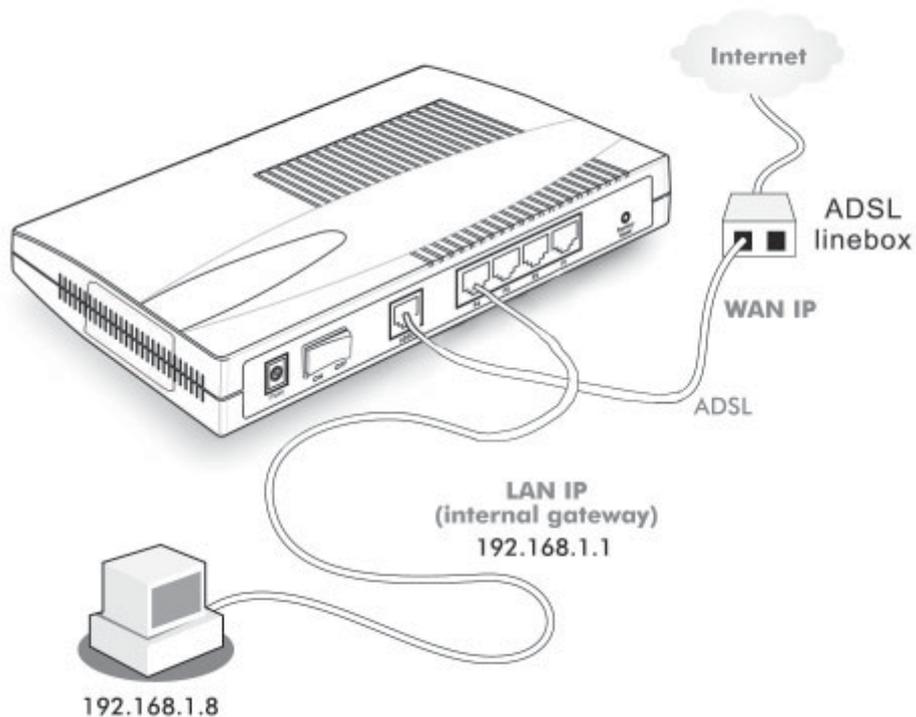
Trouble Shooting for Can not get on to the Internet

Check if the hardware is OK?

Check if the power and LAN line are connected correctly. After power is on, the 'ACT' LED will blink once a second, and the correspondent LAN port will light.



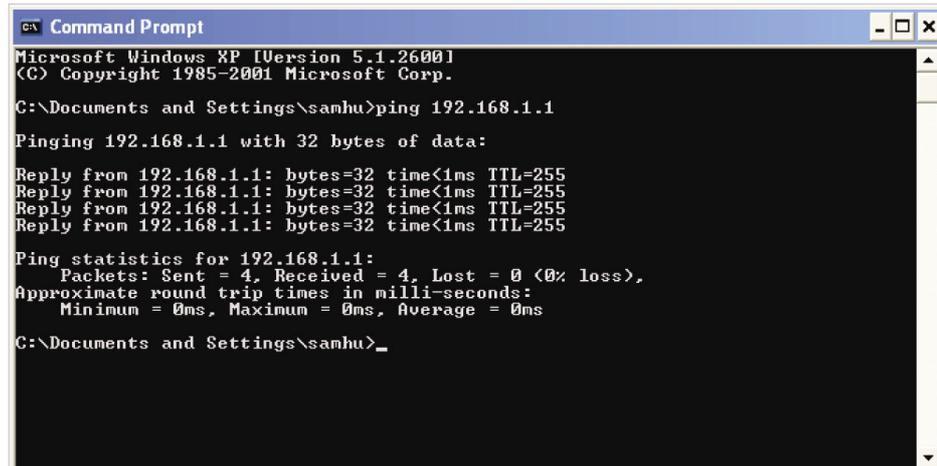
Can you ping the router from your PC?





The default gateway IP of router is 192.168.1.1.
Please check if you can ping router correctly.

For Windows



```
ca Command Prompt
Microsoft Windows XP [Version 5.1.2600]
(C) Copyright 1985-2001 Microsoft Corp.

C:\Documents and Settings\samhu>ping 192.168.1.1

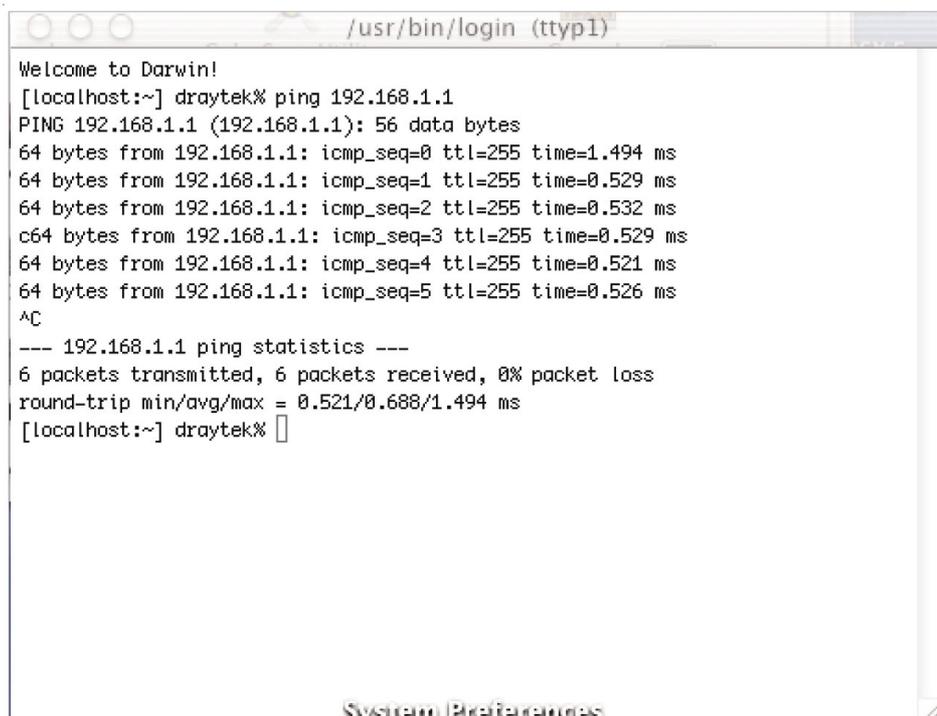
Pinging 192.168.1.1 with 32 bytes of data:

Reply from 192.168.1.1: bytes=32 time<1ms TTL=255

Ping statistics for 192.168.1.1:
    Packets: Sent = 4, Received = 4, Lost = 0 (0% loss),
    Approximate round trip times in milli-seconds:
        Minimum = 0ms, Maximum = 0ms, Average = 0ms

C:\Documents and Settings\samhu>_
```

For Mac(Terminal)



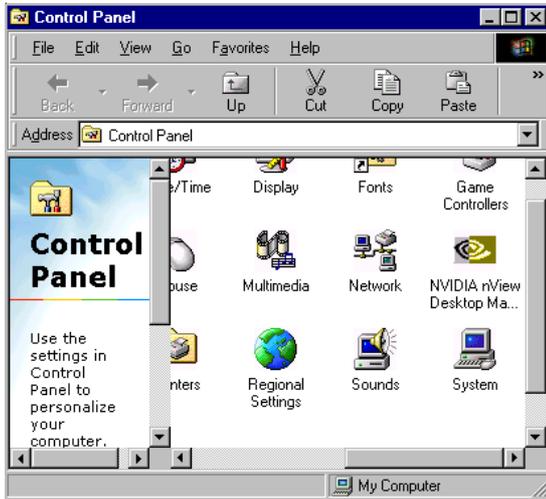
```
/usr/bin/login (tty1)

Welcome to Darwin!
[localhost:~] draytek% ping 192.168.1.1
PING 192.168.1.1 (192.168.1.1): 56 data bytes
64 bytes from 192.168.1.1: icmp_seq=0 ttl=255 time=1.494 ms
64 bytes from 192.168.1.1: icmp_seq=1 ttl=255 time=0.529 ms
64 bytes from 192.168.1.1: icmp_seq=2 ttl=255 time=0.532 ms
64 bytes from 192.168.1.1: icmp_seq=3 ttl=255 time=0.529 ms
64 bytes from 192.168.1.1: icmp_seq=4 ttl=255 time=0.521 ms
64 bytes from 192.168.1.1: icmp_seq=5 ttl=255 time=0.526 ms
^C
--- 192.168.1.1 ping statistics ---
6 packets transmitted, 6 packets received, 0% packet loss
round-trip min/avg/max = 0.521/0.688/1.494 ms
[localhost:~] draytek% █
```

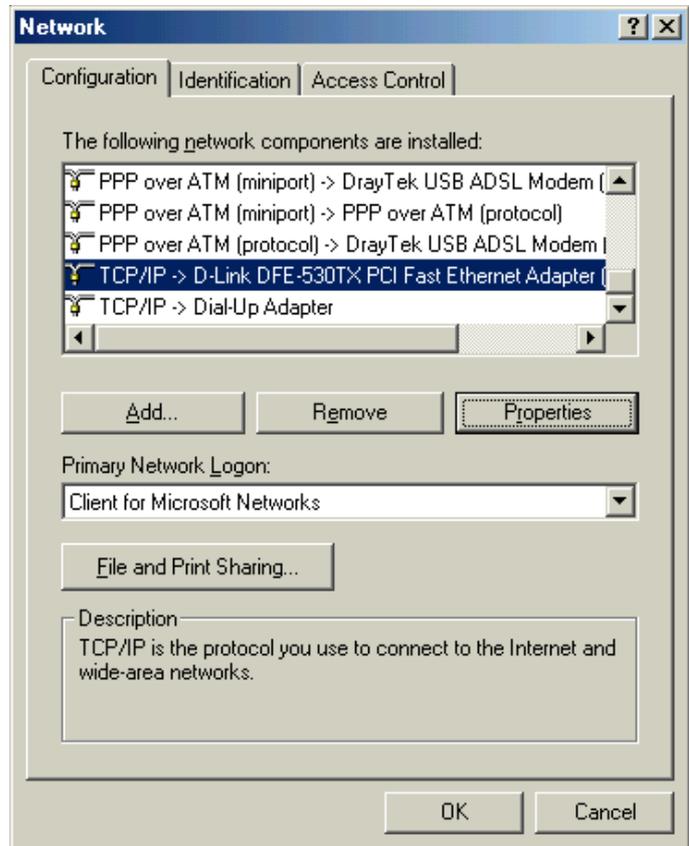
If not, please check the IP address of your PC. We suggest you set ‘get IP automatically’

For Win98/Me user

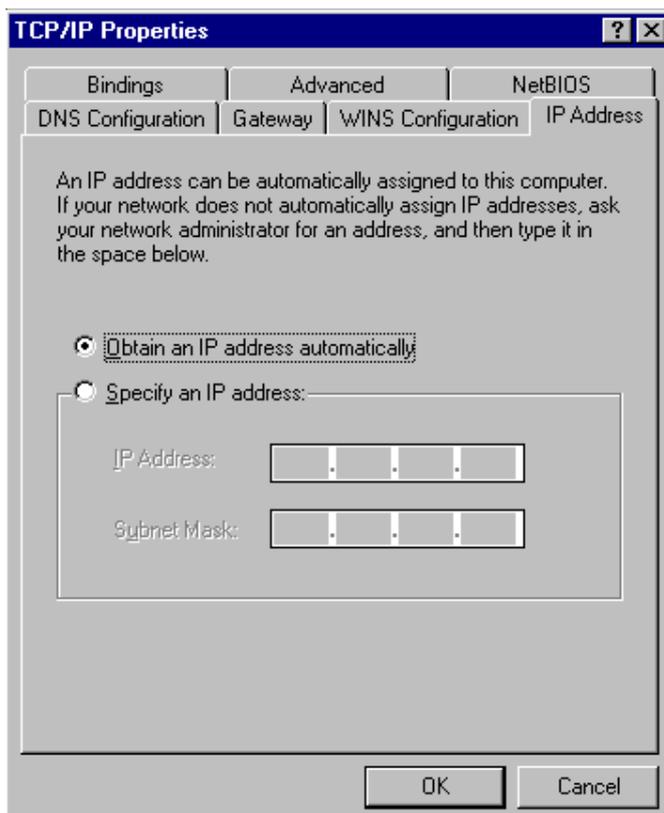
1. Enter “Control Panel” and double click “Network”.



2. Choose “TCP/IP of LAN device” and press “Properties”.



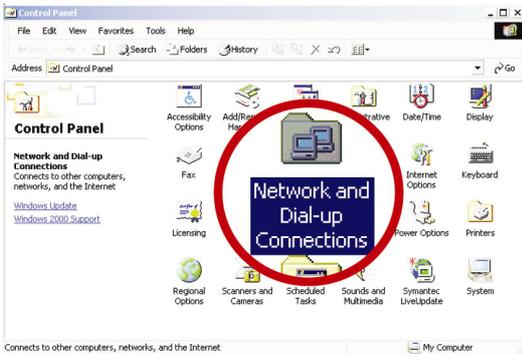
3. Choose “Obtain an IP address automatically”



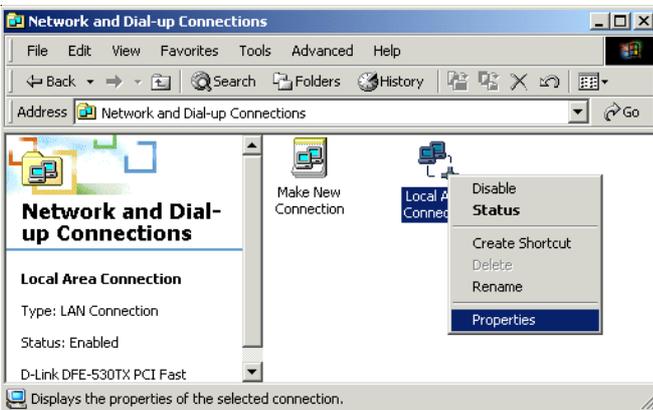


For Win2000 user

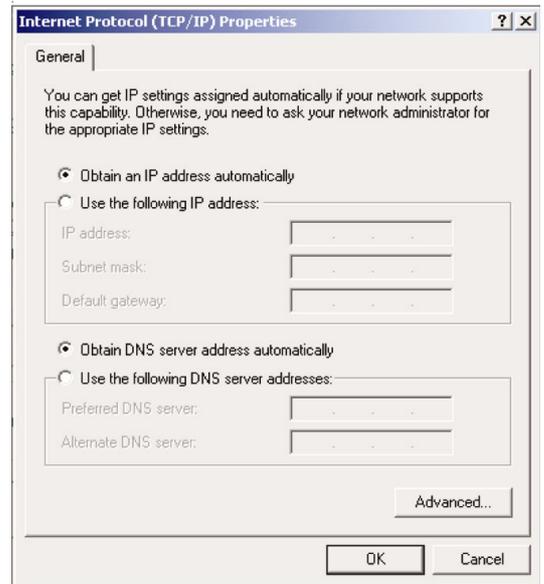
1. Enter “Control Panel” and double click “Network and Dial-up Connections”.



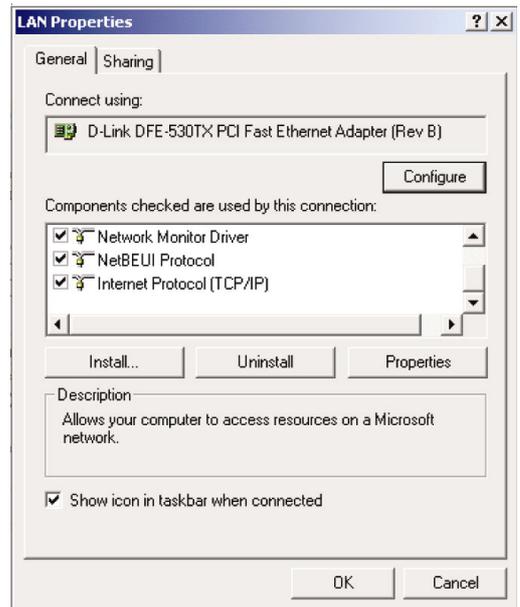
2. Right click “Local Area Connection” and choose “Properties”.



4. Select ‘Obtain an IP address automatically’



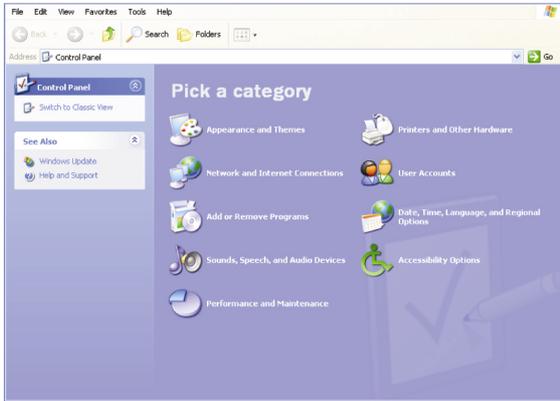
3. Choose “TCP/IP” and press “Properties”.



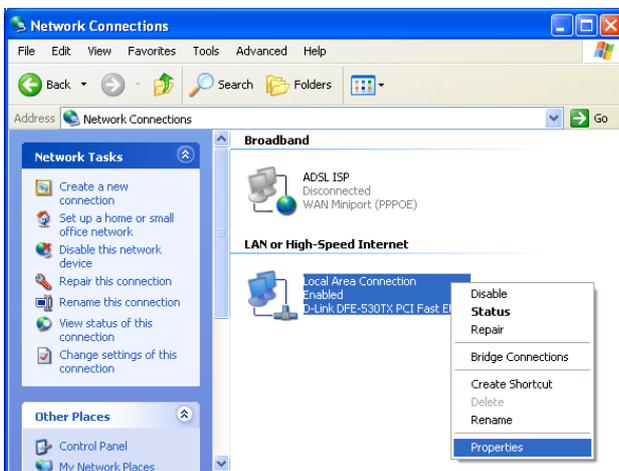


For XP user

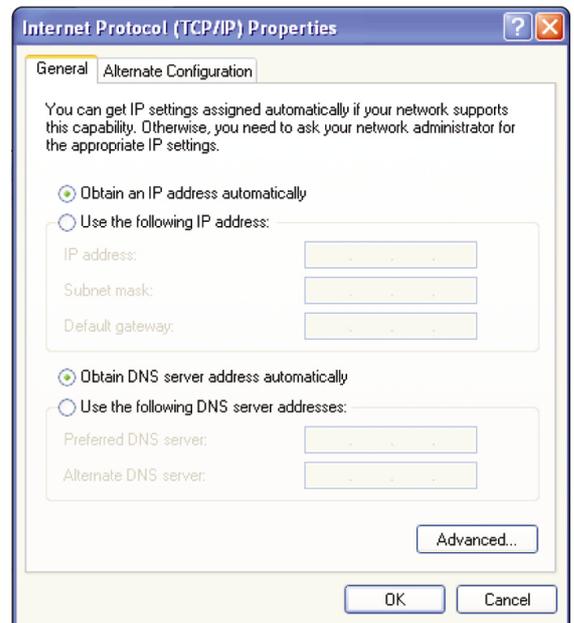
1. Enter “Control Panel” and double click “Network Connections”.



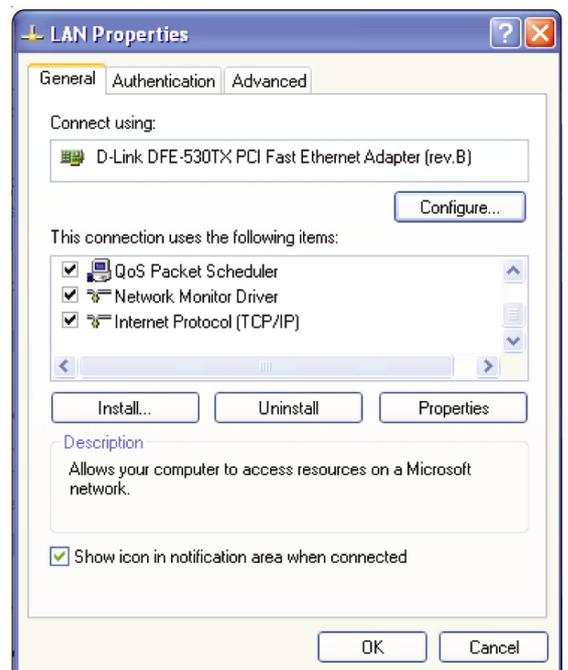
2. Right click LAN icon and choose “Properties”.



4. Select “Obtain an IP address automatically”



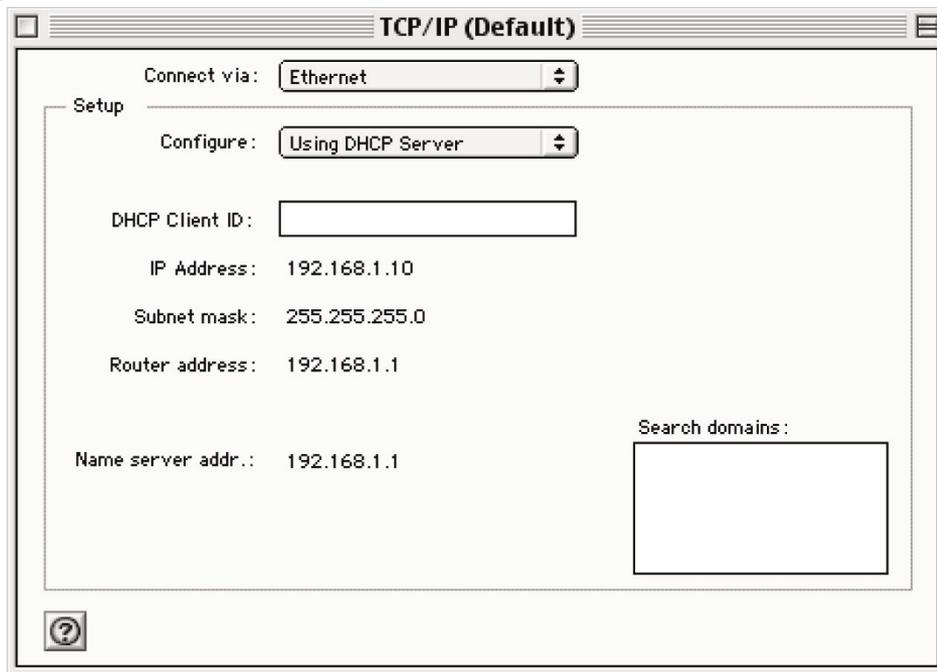
3. Choose “TCP/IP” and press “Properties”.





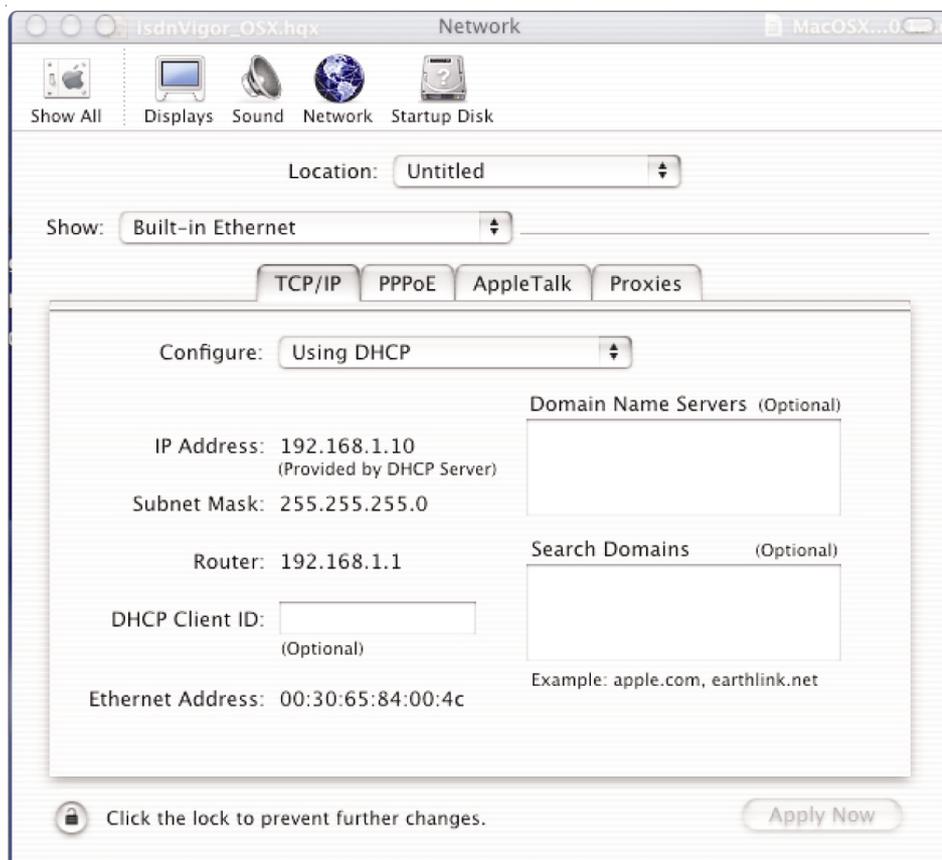
For Mac OS9.x user

Control Panel → TCP/IP



System Preferences → Network

For Mac OSX user





Are DSL/ISP settings Ok?

Connect to router Web Configurator.

(Example: Vigor2500)

The screenshot shows the main menu of the DrayTek Vigor2500 Web Configurator. At the top, it displays the DrayTek logo, model information (Vigor2500, Firmware Version: TEST-05, Build Date/Time: Mon Feb 24 17:58:57.60 2003, LAN MAC Address: 00-50-7F-00-00-00), and the Vigor series 2500 logo with an image of the router. The menu is divided into four main sections: Basic Setup (Setup First), Quick Setup, Advanced Setup, and System Management. Each section contains several sub-links for configuration.

Basic Setup (Setup First)	Quick Setup
<ul style="list-style-type: none">>> Administrator Password Setup>> LAN TCP/IP and DHCP Setup	<ul style="list-style-type: none">>> Internet Access Setup
Advanced Setup	System Management
<ul style="list-style-type: none">>> Dynamic DNS Setup>> Call Schedule Setup>> NAT Setup>> RADIUS Setup>> Static Route Setup>> IP Filter/Firewall Setup>> VPN and Remote Access Setup	<ul style="list-style-type: none">>> Online Status>> VPN Connection Management>> Configuration Backup / Restoration>> SysLog Setup>> Time Setup>> Management Setup>> Diagnostic Tools>> Reboot System>> Firmware Upgrade (TFTP Server)

Copyright(c) 2003, DrayTek Corp. All Rights Reserved.

Check if the setting of DSL is ok. (For MPoA users, please refer to the MPoA explanation on page 24)

—> VPI/VCI/Modulation mode:

T1.413, G.Lite, G.DMT, Mu ti-mode

The screenshot shows the 'DSL Modem Settings' page in the DrayTek Vigor2500 Web Configurator. The breadcrumb trail is '> Quick Setup > Internet Access Setup > PPPoE/PPPoA'. The page title is 'PPPoE / PPPoA Client Mode' with a '<< Back' link. The 'PPPoE/PPPoA Client' section has radio buttons for 'Enable' and 'Disable', with 'Disable' selected. The 'DSL Modem Settings' section includes: VPI (0), VCI (33), Encapsulating Type (VC MUX), Protocol (PPPoA), and Modulation (Multimode). A dropdown menu for Modulation shows options: T1.413, G.Lite, G.DMT, and Multimode. The 'ISP Access Setup' section includes: ISP Name, Username (T0177921), Password (masked), 'Always On' checked, Idle Timeout (-1 second(s)), and IP Address Assignment Method (IPCP) set to 'No (Dynamic IP)'. There is a 'Scheduler (1-15)' section with four empty input fields. An 'OK' button is at the bottom.

DSL Modem Settings	ISP Access Setup
VPI: <input type="text" value="0"/>	ISP Name: <input type="text"/>
VCI: <input type="text" value="33"/>	Username: <input type="text" value="T0177921"/>
Encapsulating Type: <input type="text" value="VC MUX"/>	Password: <input type="password" value="*****"/>
Protocol: <input type="text" value="PPPoA"/>	<input checked="" type="checkbox"/> Always On
Modulation: <input type="text" value="Multimode"/>	Idle Timeout: <input type="text" value="-1"/> second(s)
	IP Address Assignment Method (IPCP): <input type="radio"/> Yes <input checked="" type="radio"/> No (Dynamic IP)
	Fixed IP Address: <input type="text"/>
	Scheduler (1-15): <input type="text"/> , <input type="text"/> , <input type="text"/> , <input type="text"/>

OK

Copyright(c) 2003, DrayTek Corp. All Rights Reserved.

—>Encapsulation mode: VCMUX or LLC/SNAP

Model : Vigor2500
Firmware Version : TEST-05
Build Date/Time : Thu Feb 27 16:3:16.0 2003
LAN MAC Address : 00-50-7F-00-00-00

Vigor series 2500

> Quick Setup > Internet Access Setup > PPPoE/PPPoA

PPPoE / PPPoA Client Mode << Back

PPPoE/PPPoA Client Enable Disable

DSL Modem Settings

VPI: 0
VCI: 33
Encapsulating Type: VC MUX
Protocol: VC MUX
Modulation: Multimode

ISP Access Setup

ISP Name:
Username: TD177921
Password: *****
 Always On
Idle Timeout: -1 second(s)

IP Address Assignment Method (IPCP)

Fixed IP: Yes No (Dynamic IP)
Fixed IP Address:

Scheduler (1-15)

, , ,

OK

Copyright(c)2003, DrayTek Corp. All Rights Reserved.

For PPPoE/PPPoA user, please check if user name/ password provided by ISP are correct or not.

Model : Vigor2500
Firmware Version : TEST-05
Build Date/Time : Thu Feb 27 16:3:16.0 2003
LAN MAC Address : 00-50-7F-00-00-00

Vigor series 2500

> Quick Setup > Internet Access Setup > PPPoE/PPPoA

PPPoE / PPPoA Client Mode << Back

PPPoE/PPPoA Client Enable Disable

DSL Modem Settings

VPI: 0
VCI: 33
Encapsulating Type: LLC/SNAP
Protocol: PPPoE
Modulation: Multimode

ISP Access Setup

ISP Name:
Username: TD177921
Password: *****
 Always On
Idle Timeout: -1 second(s)

IP Address Assignment Method (IPCP)

Fixed IP: Yes No (Dynamic IP)
Fixed IP Address:

Scheduler (1-15)

, , ,

OK

Copyright(c)2003, DrayTek Corp. All Rights Reserved.



For MPoA (RFC1483/2684) mode users, please check if the WAN IP/ Gateway/ Namemask is set or ISP requires you to use DHCP client to get WAN IP.

Model : Vigor2500
Firmware Version : TEST-05
Build Date/Time : Thu Feb 27 16:3:16.0 2003
LAN MAC Address : 00-50-7F-00-00-00

> Quick Setup > Internet Access Setup > MPoA (RFC1483/2684)

MPoA (RFC1483/2684) Mode << Back

MPoA (RFC1483/2684) Enable Disable

Encapsulation
1483 Bridged IP LLC

DSL Modem Settings
VPI: 0
VCI: 33
Modulation: Multimode

RIP Protocol
 Enable RIP

WAN IP Network Settings
 Obtain an IP address automatically
Router Name: *
Domain Name: *
* : Required for some ISPs
 Specify an IP address WAN IP Alias
IP Address: 0.0.0.0
Subnet Mask: 255.255.255.0
Gateway IP Address:

OK

Copyright(c) 2003, DrayTek Corp. All Rights Reserved.

Check DSL Status

You can know the DSL status via status monitor.

(Example: Vigor2500)

Model : Vigor2500
Firmware Version : TEST-05
Build Date/Time : Mon Feb 24 17:58:57.60 2003
LAN MAC Address : 00-50-7F-00-00-00

> System Management > Online Status

System Status System Uptime: 3:21:57

LAN Status

IP Address	TX Packets	RX Packets
192.168.1.1	887	958

WAN Status GW IP Addr: 61.244.114.248

Mode	IP Address	TX Packets	TX Rate	RX Packets	RX Rate	Up Time
PPPoE	61.244.114.248	8	38	10	22	00:00:01

ADSL Information (ADSL Firmware Version : 3.08)

ATM Statistics	TX Cells	RX Cells	Tx CRC errs	Rx CRC errs
	231288	231081	58581	0

ADSL Status

Mode	State	Up Speed	Down Speed	SNR Margin	Loop Att.
G.DMT	SHOWTIME	64000	51200	11.0	25.5

Copyright(c) 2003, DrayTek Corp. All Rights Reserved.

Report to people who concerned if still can not work

If the router setting is OK and your PC on the LAN can also talk to router successfully, there may be wrong settings on DSL (eg. VPI, VCI, modulation etc...) when there is still no ADSL Internet connection. Please contact local ISP representatives to help you for configuration. If the router does not work correctly, please contact your dealer for help. For any further questions, please write email to support@draytek.com.tw.

www.simet.com.tr