
Vigor2600Ge introduction



Brief Overview

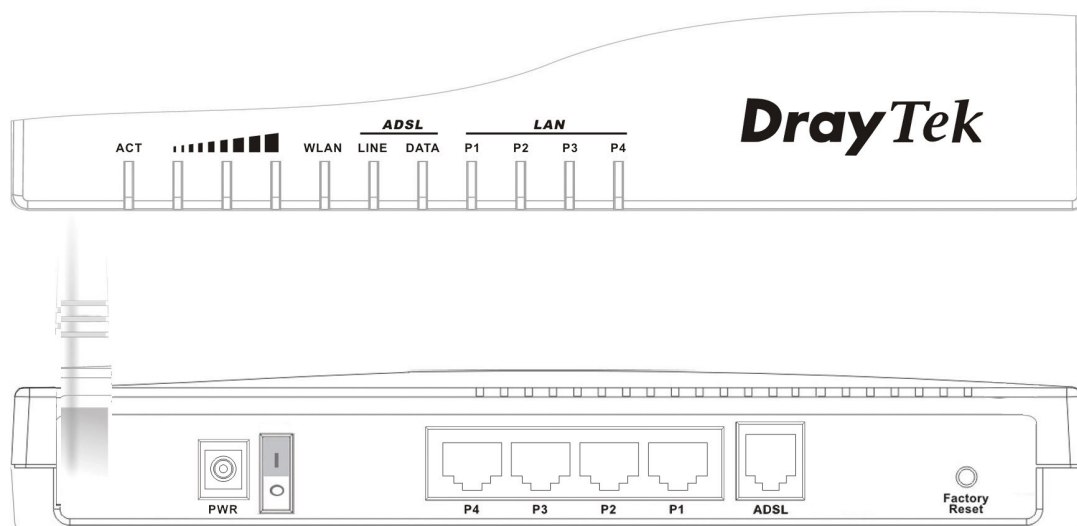
	<i>Vigor2600Ge</i>
ADSL Router	*
Annex A / Annex B	* / *
ISDN Backup	—
Wireless AP	*

The Vigor2600Ge WLAN ADSL router is an Internet access solution for your LAN which not only provides you with shared web surfing but also countless other value-added features such as Firewall / Security, VPN, multimedia support, and 54Mbps 802.11g Wireless LAN and all in a reliable one-box solution.

LED Indicators and Back Panels

Before you begin to install, please take a moment to become more familiar with the LED indicators and rear panels. The following section describes the model.

Vigor2600Ge



LED Indicators		Descriptions
ACT (Activity)		Blink when power is supplied to the router and the router is running normally.
		There are three LEDs below the bandwidth utilization bar. From left to right, they indicate bandwidth utilization, from low to high.
WLAN		ON when the wireless LAN is ready.
ADSL	LINE	ON when the ADSL network is showtime.
	DATA	Blinking indicates the DSL protocols start hankshaking. The light will remain still when data transmission is available.
LAN	P1, P2, P3, P4	These indicators are dual-colour LEDs: - OFF indicates that no device is connected to the LAN port. - Yellow indicates that the port is connecting to a 10Mbps device. - Green indicates that the port is connecting to a 100Mbps. - BLINKING indicates that Ethernet packets are passing through the port.

Back Panels		Descriptions
PWR		Only the power adapter comes with the package can be connected to the PWR.
P1, P2, P3, P4		These switch ports should be connected to your local PCs.
ADSL		To connect to the ADSL-enabled telephone line.
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.

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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. The Vigor 2600Ge is designed for the WLAN 2.4Ghz network throughout EC region, Switzerland, and the restrictions of France.

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>

Vigor2600Ge 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 power supply adapter (black)

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

1 ADSL line cable (RJ-11 to RJ-45 for Switzerland and the Netherlands only)
(RJ-11 to RJ-11 for other Annex A countries)
(RJ-45 to RJ-45 for Annex B countries)

1 Detachable antenna

Please read page 6,7

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 Vigor2600Ge contain Annex A/Annex B models, please check if the package is suitable for your use by checking the information from bottom of Vigor2600Ge router.

Annex A : is for connecting to an analog POTS line

Annex B : is for connecting to a digital ISDN line

DrayTek Corp.

Model: Vigor2600Ge (Annex A)

<http://www.draytek.com.tw>

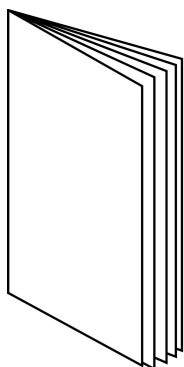
E-mail: support@draytek.com.tw

Power Consumption: 10W(MAX)

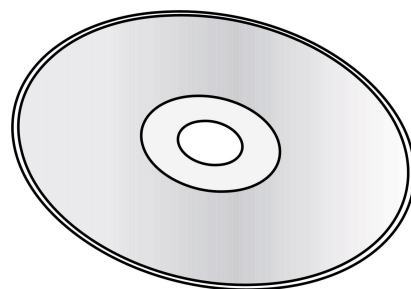
Power Input: 12AC.1500mA(MAX)



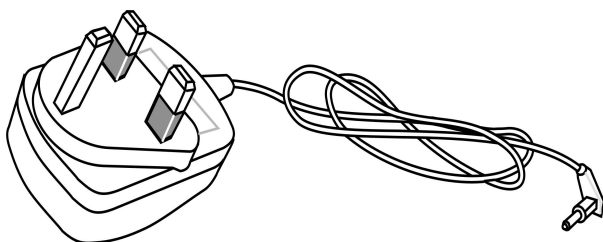
Package Contains



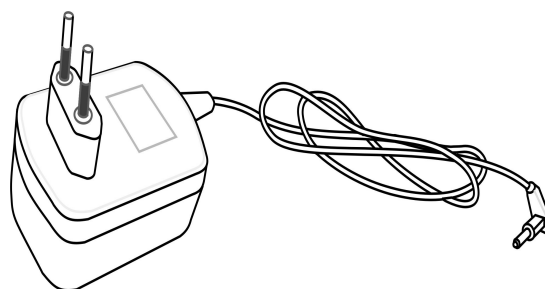
Manual



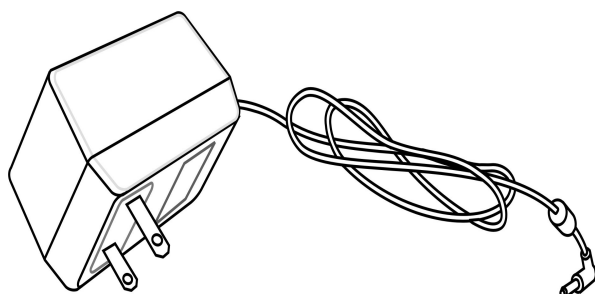
CD



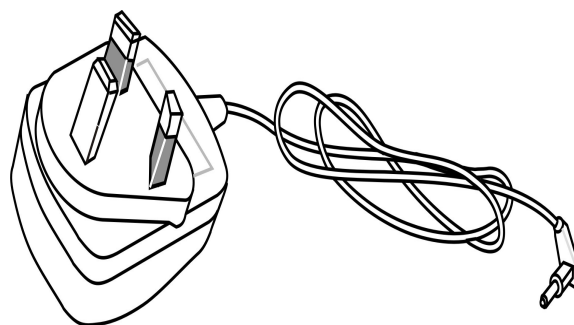
UK-type power adapter



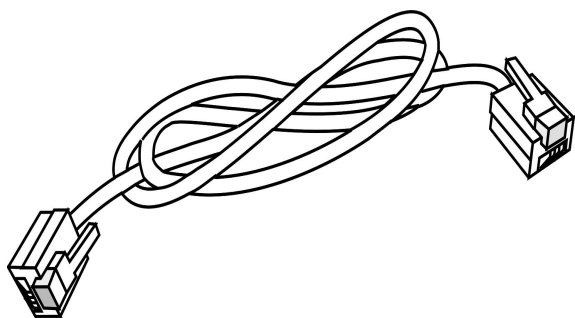
EU-type power adapter



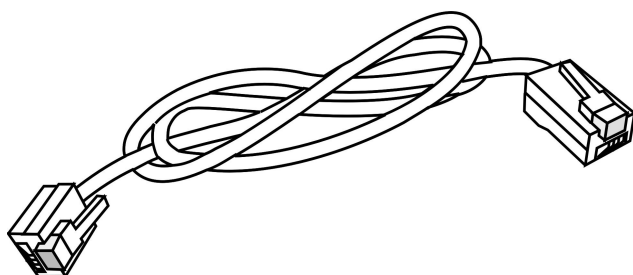
USA/Taiwan-type power adapter



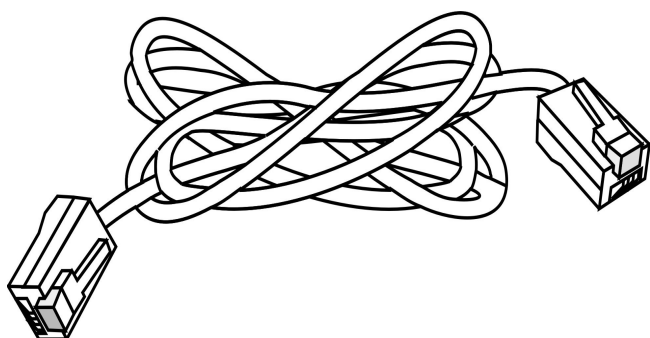
AU/NZ-type power adapter



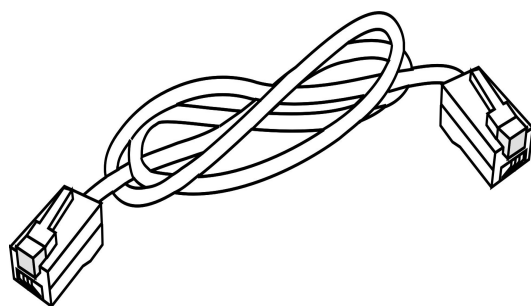
RJ-11 to RJ-11(Annex A)



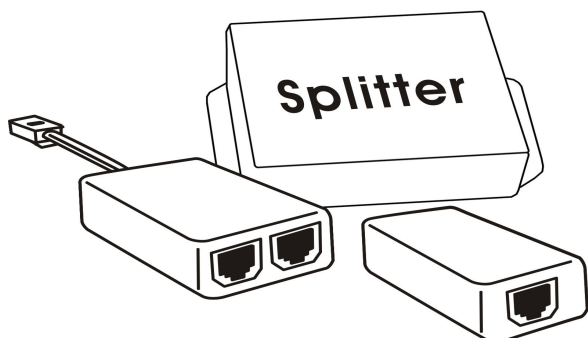
**RJ-11 to RJ-45(Annex B)
Dutch/Swiss User**



RJ-45(Enternet)



**RJ-45 to RJ-45
(Annex B)**



Filter/Splitter(Optional)



Antenna

Internet Configuration Requirements

DSL line

Depending on the variant Vigor2600Ge you purchased, the following DSL service must be available at your local premisses:

For Annex A : ADSL service must be enabled on your POTS telephone line.

For Annex B : ADSL service must be enabled on your ISDN telephone line.

DSL Parameters

The following DSL parameters are required from your 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
(Vgior2600Ge provides ***Multimode*** which can automatically detect)

MPoA (RFC1483/2684) Mode

MPoA (RFC1483/2684) ☒ Enable ☐ Disable

WAN IP Network Settings

☒ Obtain an IP address automatically

Router Name: _____

Domain Name: _____

☐ Specify an IP address

IP Address: 0.0.0.0

Subnet Mask: 255.255.255.0

Gateway IP Address: _____

DSL Modem Settings

Encapsulation: 1483 Bridged IP LLC

VPI: 0

VCI: 33

Modulation: Multimode

RIP Protocol

☐ Enable RIP

PPPoE / PPPoA Client Mode

PPPoE/PPPoA Client ☒ Enable ☐ Disable

ISP Access Setup

ISP Name: Draytek

Username: Draytek

Password: ••••••

PPP Authentication: PAP or CHAP

☒ Always On

Idle Timeout: -1 second(s)

IP Address From ISP

Fixed IP: ☐ Yes ☒ No (Dynamic IP)

Fixed IP Address: _____

PPPoE Pass-through

☐ For Wired LAN

☐ For Wireless LAN

Scheduler (1-15)

_____, _____, _____, _____

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

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.

How to Connect the Router

Local networking

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

One PC with an Ethernet Card installed.

One ethernet cat-5 UTP cable.

To use the Wireless LAN you need at least:

One PC with a Wireless LAN adaptor installed.

TCP/IP protocol suite

For TCP/IP, your PC can either be set to a static IP, or to get an IP automatically (from a DHCP server).

The default gateway IP address of the router is 192.168.1.1. If static IP is chosen, set your PCs IP address to 192.168.1.x, where x is any number in the range 2-254 inclusive.

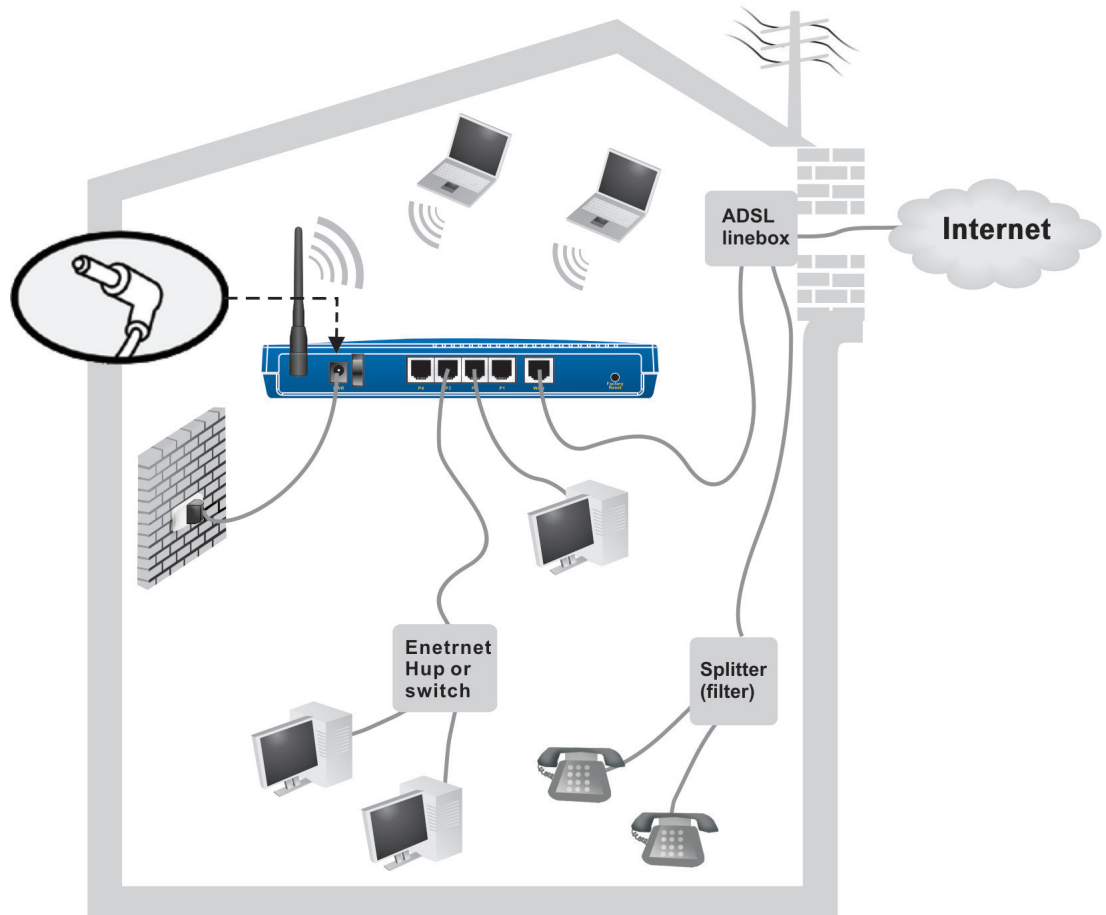
The wire installation

Connect the blue Ethernet cable between Vigor 2600Ge ports P1/P2/P3/P4 and any wired PCs.

Connect ADSL port to your ADSL-enabled telephone line. Remember that a Line Filter should be used for any telephones or fax machines also connected to the ADSL telephone line.

Connect AC Power adaptor to Power socket.

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



Install Router Tools

This tool which provides “Smart StartWizard” Firmware Upgrade Program and TFTP client is in the enclosed CD. It supports Windows, Mac OS 8/9 and Mac OS X. Moreover, it provides “Syslog Tool” for Windows system.

Turn on your router

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

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

Connecting the Router to the Internet via Quick Start Wizard

DrayTek provides firmware/router tool CD with Vigor2600Ge.

Please insert CD to your computer in order to run Quick Start Wizard which is an user-friendly application for setting up Internet access.

The Quick Start Wizard is now available for Windows operating system.

Procedure:

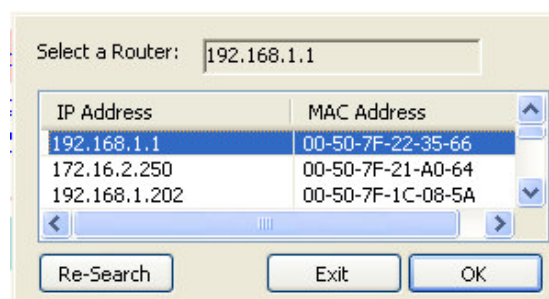
Connect your router

You shall connect your router to your PC as insert CD to your PC.

After auto-run screen pops out after inserting CD, please click **Run Quick Start Wizard**

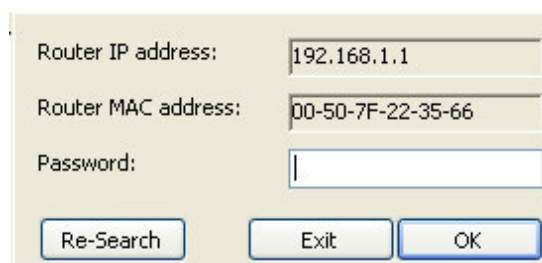
Detect the router

Quick Start Wizard will pop out with listed found routers if your network already have more then one Vigor routers.



Authentication of your ID

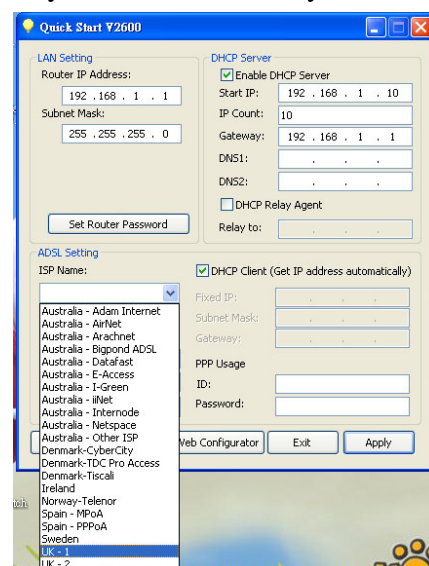
Onec you see following user name/password screen, the default value is null. Press OK to continue.



Set DSL parameters

The menu of Quick Start Wizard will be provided of your selection of ISP name(if already existed inside QSW) that contains default DSL parameters which are Encapsulation protocol, VPI, VCI, Modulation. If your ISP is not listed, you can still enter the DSL parameters provided by ISP.

Click the **Apply** button to save the settings to the router and then surf Internet!



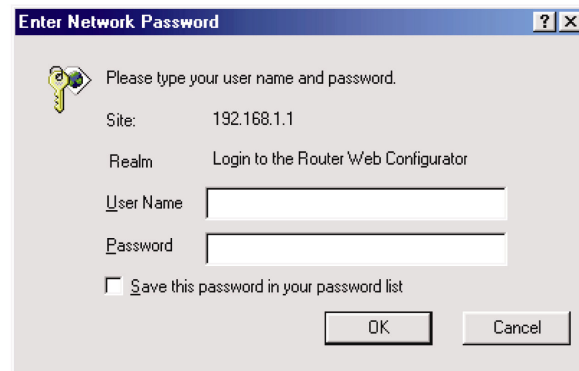
Using the Router Web Configurator

Connect to router

Start the web browser on a PC which is connected to the Vigor 2600Ge router, and type `http://192.168.1.1` into the address box of your browser.

Password

The following window will open. The factory default User name and password are null. Press **OK** to continue.



The dialog box titled "Enter Network Password" contains the following fields and options:

- Site: 192.168.1.1
- Realm: Login to the Router Web Configurator
- User Name: [text input field]
- Password: [password input field]
- ☐ Save this password in your password list
- Buttons: OK, Cancel

Enter Router Menu

The router main menu is now displayed:
(Example: Vigor2600Ge)



The main menu displays the DrayTek logo and router information:

- Model: Vigor2600Ge annex A
- Firmware Version: 251RC2
- Build Date/Time: Fri Feb 20 13:28:22.34 2004
- LAN MAC Address: 00-50-7F-00-00-00

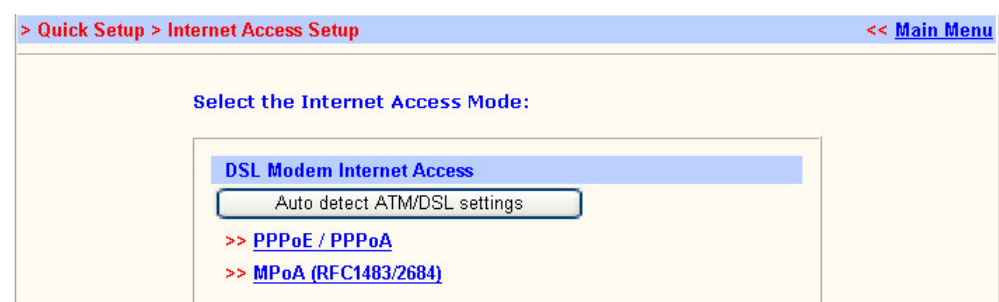
The menu is organized into four main sections:

- Basic Setup (Setup First)**
 - >> [Administrator Password Setup](#)
 - >> [LAN TCP/IP and DHCP Setup](#)
 - >> [Wireless LAN 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](#)
 - >> [UPNP Service Setup](#)
- Quick Setup**
 - >> [Internet Access Setup](#)
- System Management**
 - >> [Online Status](#)
 - >> [VPN Connection Management](#)
 - >> [Configuration Backup / Restoration](#)
 - >> [SysLog / Mail Alert Setup](#)
 - >> [Time Setup](#)
 - >> [Management Setup](#)
 - >> [Diagnostic Tools](#)
 - >> [Reboot System](#)
 - >> [Firmware Upgrade \(TFTP Server\)](#)

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Set DSL Parameters

Click on **Internet Access Setup** in the right-hand menu.



The screen shows the "Internet Access Setup" configuration page. At the top, it says "> Quick Setup > Internet Access Setup" and "<< Main Menu".

Select the Internet Access Mode:

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

Auto detect ATM/DSL Setting

Use this function to automatically detect ATM/DSL setting. Click the **Auto detect ATM/DSL settings** button, and follow the instructions until it asks whether you have a fixed IP or not.

- If your ISP has allocated you a fixed IP address, click to OK button.
- If your ISP has not allocated you a fixed IP address, click the **Cancel** button.
This will not cancel the setup process.

Select your country from the list and click **OK** to start the ATM/DSL parameter detection. If your country is not in the list, it may take a longer time to detect.



It should now have detected the ATM/DSL settings, similar to the following example of a PPPoA connection:



You can set/edit these manually when adding your ISP account details. Type in the ISP name as well as the Username/Password provided by them. Also, you probably want to tick the **Always On** box as there's no reason to disconnect the router when you're not using the Internet. Ignore the fixed IP settings as an ISP will send them to you each time you login anyway.

> Quick Setup > Internet Access Setup << Main Menu

PPPoE / PPPoA Client Mode << Back

PPPoE/PPPoA Client <input checked="" type="radio"/> Enable <input type="radio"/> Disable	ISP Access Setup
DSL Modem Settings	ISP Name: Draytek
VPI: 0	Username: Draytek
VCI: 33	Password:
Encapsulating Type: VC MUX	PPP Authentication: PAP or CHAP
Protocol: PPPoA	<input checked="" type="checkbox"/> Always On
Modulation: G.DMT	Idle Timeout: -1 second(s)
PPPoE Pass-through	IP Address From ISP: WAN IP Alias
<input type="checkbox"/> For Wired LAN	Fixed IP: <input type="radio"/> Yes <input checked="" type="radio"/> No (Dynamic IP)
<input type="checkbox"/> For Wireless LAN	Fixed IP Address:
	* : Required for some ISPs
	<input checked="" type="radio"/> Default MAC Address
	<input type="radio"/> Specify a MAC Address
	MAC Address: 00 : 50 : 7F : 00 : 00 : 01
	Scheduler (1-15)
	, , , ,
	OK

Click the OK button to save changes, and go to Page 15 to **Surfing Internet**.

For PPPoE/PPPoA Users

Enter the username, password and DSL parameters given by your ISP.
To connect to Internet all the time, check **Always On**.

> Quick Setup > Internet Access Setup [Main Menu](#)

PPPoE / PPPoA Client Mode [Back](#)

PPPoE/PPPoA Client ☒ Enable ☐ Disable

DSL Modem Settings

VPI

VCI

Encapsulating Type

Protocol

Modulation

PPPoE Pass-through

☐ For Wired LAN

☐ For Wireless LAN

ISP Access Setup

ISP Name

Username

Password

PPP Authentication

☒ Always On

Idle Timeout second(s)

IP Address From ISP

Fixed IP ☐ Yes ☒ No (Dynamic IP)

Fixed IP Address

* : Required for some ISPs

☒ Default MAC Address

☐ Specify a MAC Address

MAC Address:

:

Scheduler (1-15)

, , ,

OK

Click the OK button to save changes.

Wireless LAN settings

Wireless LAN Interface

The Vigor2600Ge is equipped with a wireless LAN interface compliant with the 54Mbps IEEE 802.11g protocol. The features of wireless LAN capability enable high mobility of several simultaneous users accessing all LAN facilities



Default Wireless LAN Settings

As supplied, the Vigor2600Ge wireless LAN is enabled, but without any security. The factory default settings of the Vigor2600Ge are:

Wireless LAN:	enabled
Frequency Domain:	Europe
channel:	6
SSID:	default
WEP encryption:	disabled
MAC access control:	disabled

This can be convenient for initially establishing the link with wireless workstations - but **DrayTek strongly recommends that you enable the built-in security** as soon as practical.

Wireless LAN Settings

From the Router Web Configurators Main Menu, select **Wireless LAN Setup**.



The Frequency Domain is set as Europe and the MAC address will show as above.

General Settings

Click **General Settings** to configure the Service Set Identifier (SSID) and wireless channel.

> Basic Setup > Wireless LAN Setup > General Settings << Main Menu

General Setting (IEEE 802.11) << Back

☒ Enable Wireless LAN

Mode : Mixed(11b+11g) ▼

Scheduler (1-15) [] , [] , [] , []

SSID : Draytek

Channel : Channel 1, 2412MHz ▼

☐ 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

Mode: In Mixed(11b+11g) mode, the radio can support both IEEE802.11b and IEEE802.11g protocols simultaneously. In 11g-only mode, the radio only supports IEEE802.11g protocol. In 11b-only mode, the radio only supports IEEE802.11b protocol.

Scheduler: Used to set the wireless LAN to work at some time interval only. You may choose up to 4 schedules from the 15 schedules which are defined under **Advanced Setup >> Call Schedule Setup**. Please refer to the detailed manual on the attached CD. The default setting is always working.

SSID (Service Set Identification): This is used to name the wireless LAN, and must have the same value as the SSID setting in client PC/notebook wireless card(s). SSID can be any text numbers and various special characters. The default SSID is "default".

Channel: Select a wireless channel for Vigor2600Ge. The default channel is 6.

Hide SSID: Check to hide the SSID from wireless **sniffers**, and so make it harder for unauthorised clients to join your wireless LAN.

Security Settings Click **Security Settings** to configure the security options.

Mode:

To improve the security and privacy of your wireless data packets one of the following encryption feature can be used.

- **Disable:** Turn off the encryption mechanism.
- **WEP Only:** Accepts only WEP clients and the encryption key should be entered in WEP Key.
- **WEP/802.1x Only:** Accepts only WEP clients and the encryption key is got dynamically through 802.1x.
- **WEP or WPA/PSK:** Accepts WEP and WPA clients simultaneously and the encryption key should be entered in WEP Key and PSK respectively.
- **WEP/802.1x or WPA/802.1x:** Accepts WEP and WPA clients simultaneously and the encryption key is got dynamically through 802.1x.
- **WPA/PSK Only:** Accepts only WPA clients and the encryption key should be entered in PSK.
- **WPA/802.1x Only:** Accepts only WPA clients and the encryption key is got dynamically through 802.1x.

NOTE: You should also set RADIUS Server if **WEP/802.1x or WPA/802.1x**, **WEP/802.1x Only** or **WPA/802.1x Only** mode is selected.

WPA Encryption:

The WPA encrypts each frame transmitted from the radio using the pre-shared key (PSK) entered from this panel or a key got dynamically through 802.1x.

Pre-Shared Key (PSK): Either 8~63 ASCII characters or 64 Hexadecimal digits leading by 0x can be entered. For example "0123456789ABCD...." or "0x321253abcde.....".

WEP Encryption:

- **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 digits leading by **0x** can be entered. For example, **ABCDEFGHIJKLM** or **0x4142434445464748494A4B4C4D**.

128 bits WEP is most secure, but has more encryption/decryption overhead. Note that all wireless devices must support the same WEP encryption bit size and have the same key.

Four keys can be entered here, but only one key can be selected at a time. The keys can be entered in ASCII or Hexadecimal.

Click the circle under **Use** next to the key you wish to use.

OK: To save the WEP settings.

Access Control of Wireless LAN Interface

For additional security, **Access Control** allows restricting the network access to a list of pre-determined network clients.

Each Ethernet interface card has a unique serial number called a MAC address. With this feature enabled, only those network clients whose MAC addresses are listed here will be allowed to access the wireless LAN.

The screenshot shows a window titled "> Basic Setup > Wireless LAN Setup > Access Control" with a "<< Main Menu" link in the top right. The window has a title bar "Access Control" and a "<< Back" link in the top right. Inside the window, there is a checkbox labeled "Enable Access Control". Below it is a table with two columns: "Index" and "MAC Address". The table is currently empty. Below the table, there is a label "MAC Address :" followed by six input boxes separated by colons. Below these input boxes are four buttons: "Add", "Remove", "Edit", and "Cancel". At the bottom of the window, there is a "Note :" section with the text "Add or remove the wireless user's MAC address to accept or deny the access to the network." and two buttons: "Clear All" and "OK".

Enable Access Control: Tick the **Enable Access Control** box to turn the MAC Address access control feature on.

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”

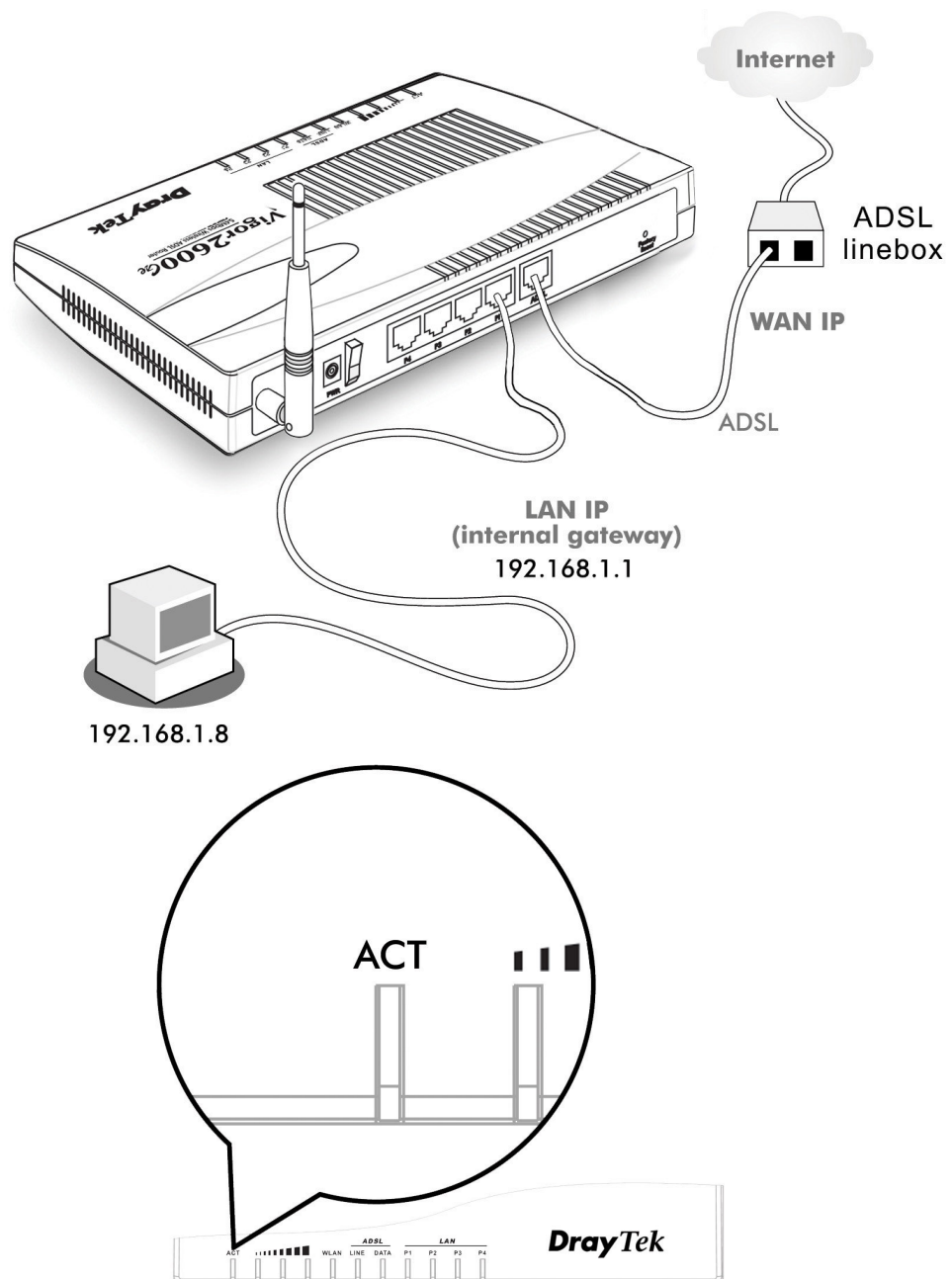
What to check

This section will guide you through:

- 1) Check that the power and LAN and telephone cables are connected correctly.
- 2) Check that the LAN from your PC to the router is working.
- 3) Check the ADSL settings (e.g. VPI, VCI, modulation etc...).
- 4) Refer to your ISP technical support.
- 5) Refer to your Vigor dealer technical support.

Check that the hardware is OK?

Check that the power and LAN line are connected correctly. After power is on, the **ACT LED** will blink once a second, and the correspondent **LAN LED** will light. Check that the ADSL line is connected to the telephone socket - but not through a line filter.

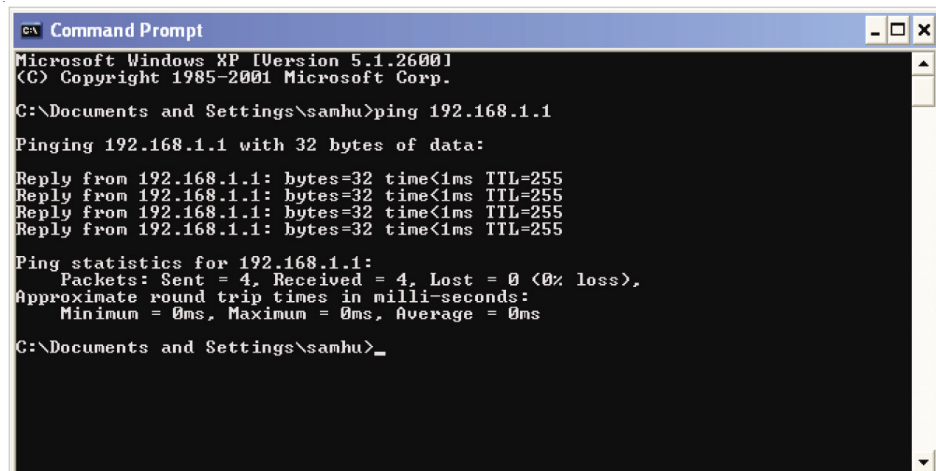


Can you ping the router from your PC?

The default gateway IP of the Router is 192.168.1.1.
Please check that you can ping the Router correctly.

For Windows

- 1 Open the Command Prompt window (from the start menu, select Run...)
- 2 Enter **command** if you are using Windows 95, 98 or ME; or **cmd** if you are running Windows NT, 2000, or XP.
- 3 Type **ping 192.168.1.1** and press [Enter]



```

C:\Command Prompt
Microsoft Windows XP [Version 5.1.2600.1
(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:

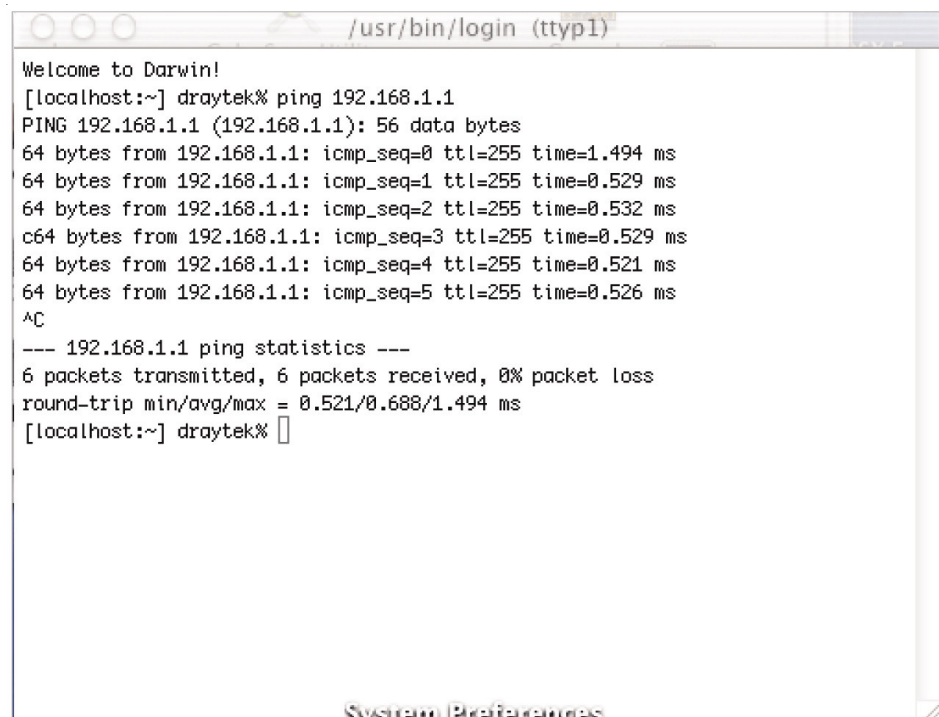
Reply from 192.168.1.1: bytes=32 time<1ms TTL=255
Reply from 192.168.1.1: bytes=32 time<1ms TTL=255
Reply from 192.168.1.1: bytes=32 time<1ms TTL=255
Reply from 192.168.1.1: bytes=32 time<1ms TTL=255

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)

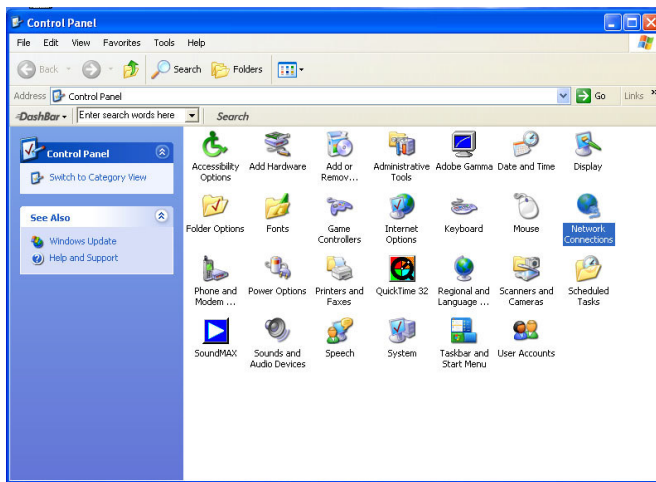
Welcome to Darwin!
[localhost:~] draytek% ping 192.168.1.1
PING 192.168.1.1 (192.168.1.1): 56 data bytes
64 bytes from 192.168.1.1: icmp_seq=0 ttl=255 time=1.494 ms
64 bytes from 192.168.1.1: icmp_seq=1 ttl=255 time=0.529 ms
64 bytes from 192.168.1.1: icmp_seq=2 ttl=255 time=0.532 ms
64 bytes from 192.168.1.1: 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% 

```

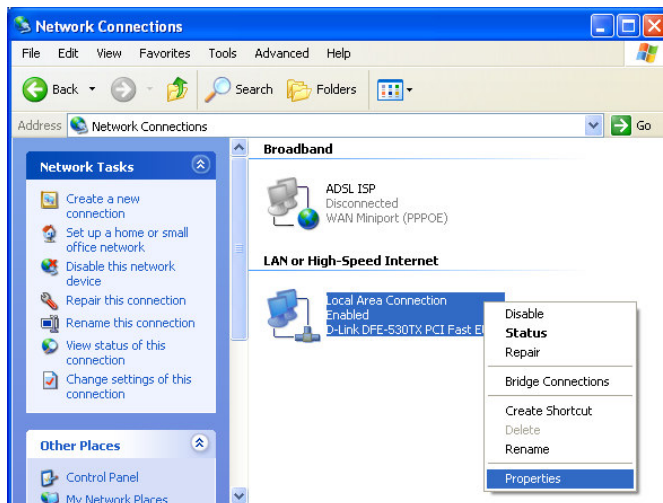
The important thing is that the computer receives a reply from 192.168.1.1. If not, please check the IP address of your PC. We suggest you set **get IP automatically**.

For Windows XP user

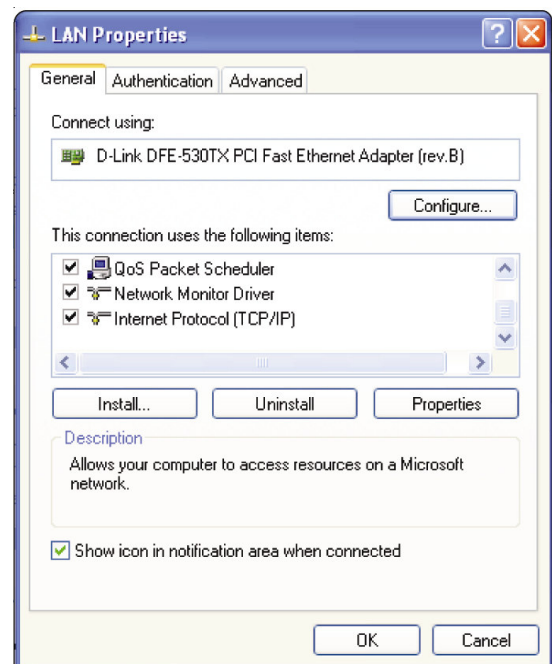
1. Go to **Control Panel** and then double-click on **Network Connections**.



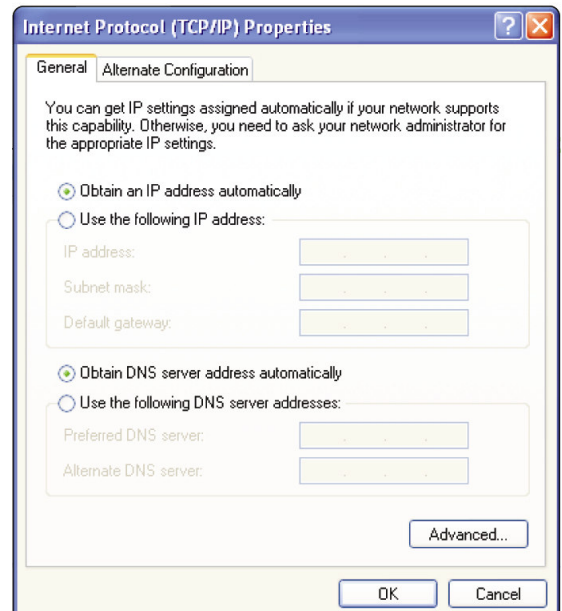
2. Right-click on **Local Area Connection** and Double-click on **Properties**.



3. Select on **Internet Protocol (TCP/IP)** and click **Properties**.

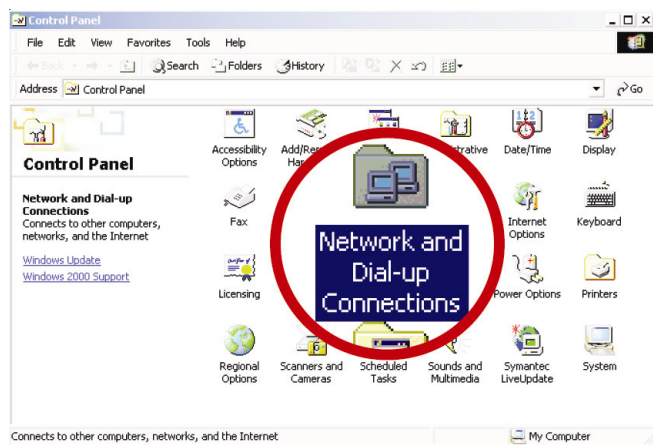


4. Select **Obtain an IP address automatically** and **Obtain DNS server address automatically**.

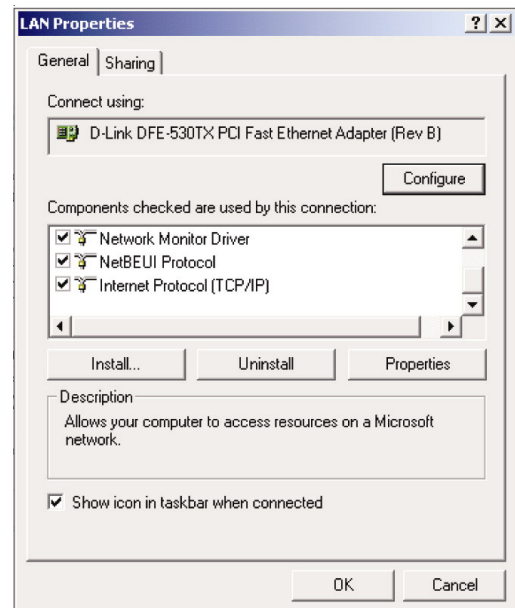


For Windows 2000 user

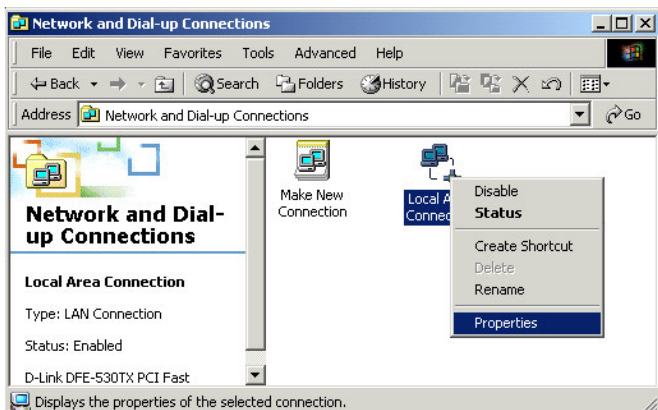
1. Go to **Control Panel** and then double-click on **Network and Dial-up Connections**.



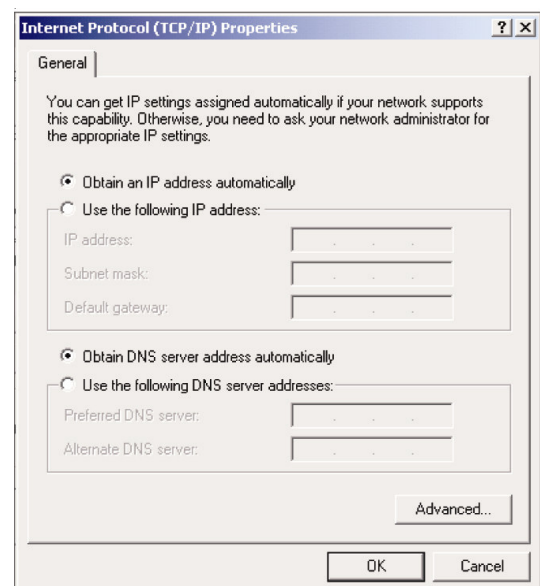
3. Select **Internet Protocol (TCP/IP)** and click **Properties**.



2. Right-click on **Local Area Connection** and double-click on **Properties**.

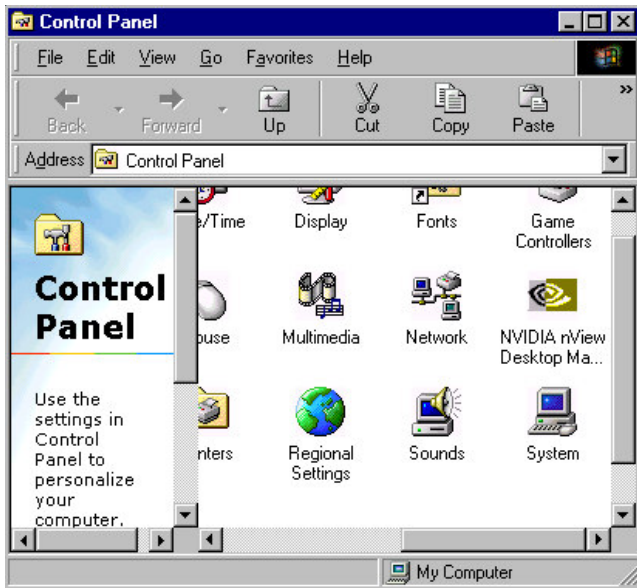


4. Select **Obtain an IP address automatically** and **Obtain DNS server address automatically**.

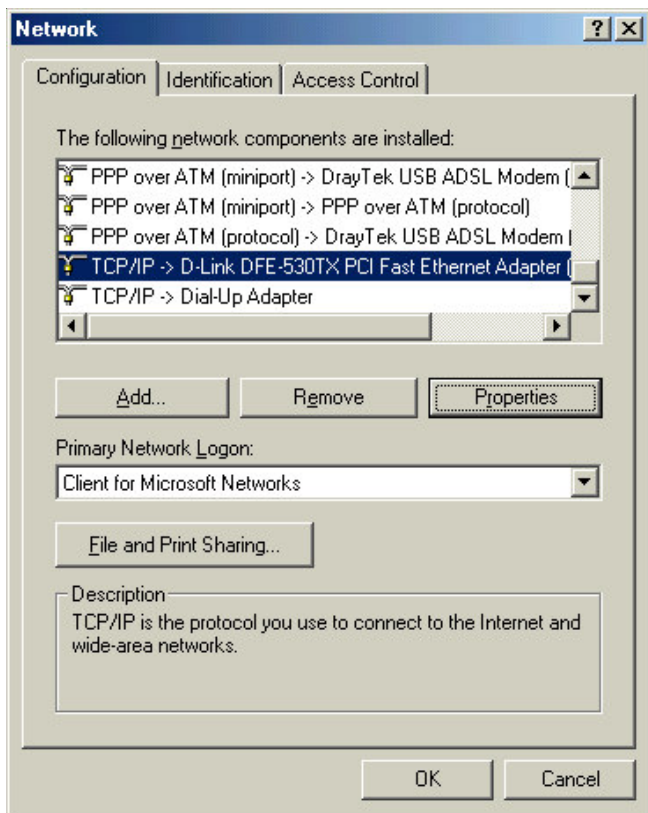


For Windows 98/Me user

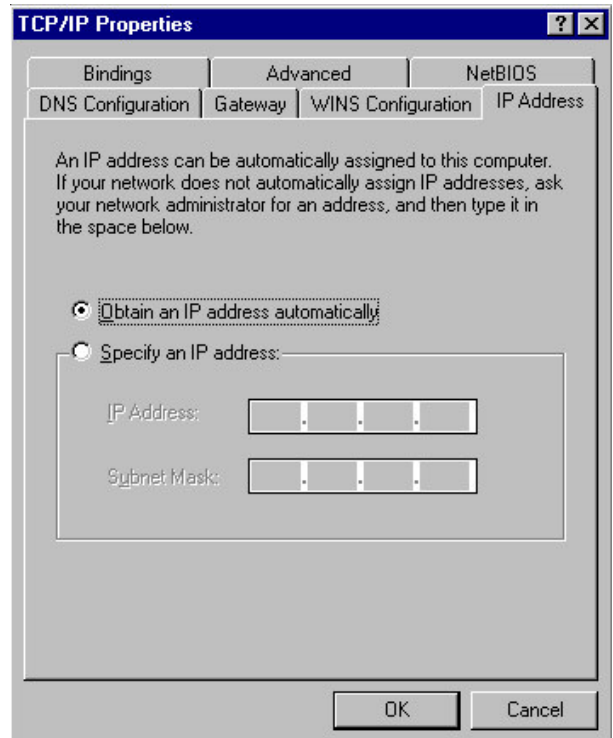
1. Go to **Control Panel** and double-click on **Network**.



2. Select **TCP/IP of LAN device** and click the **Properties**.

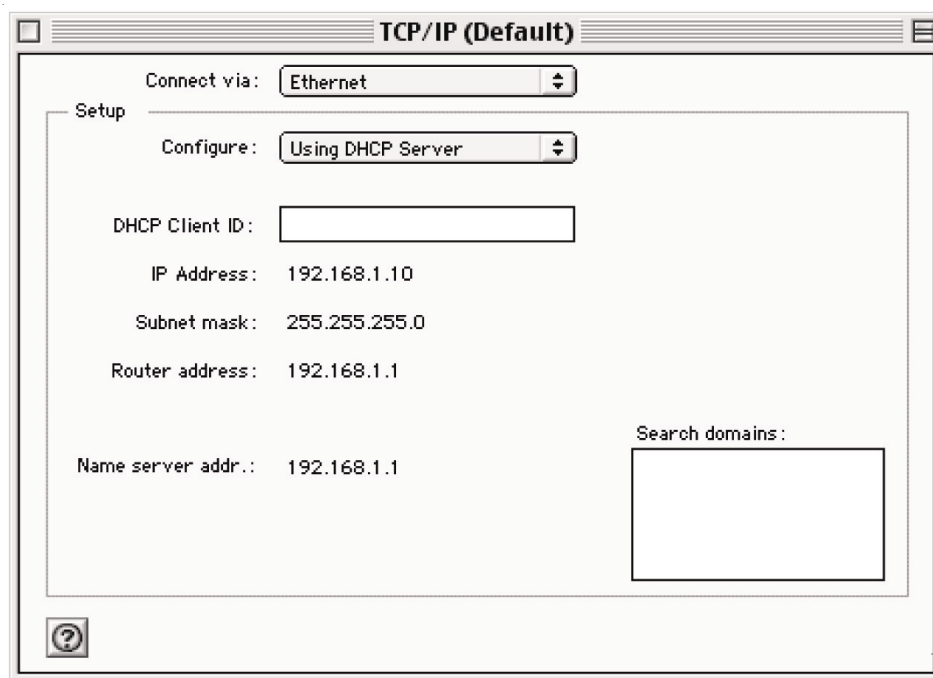


3. Click on the **IP Address** tab and select **Obtain an IP address automatically**.



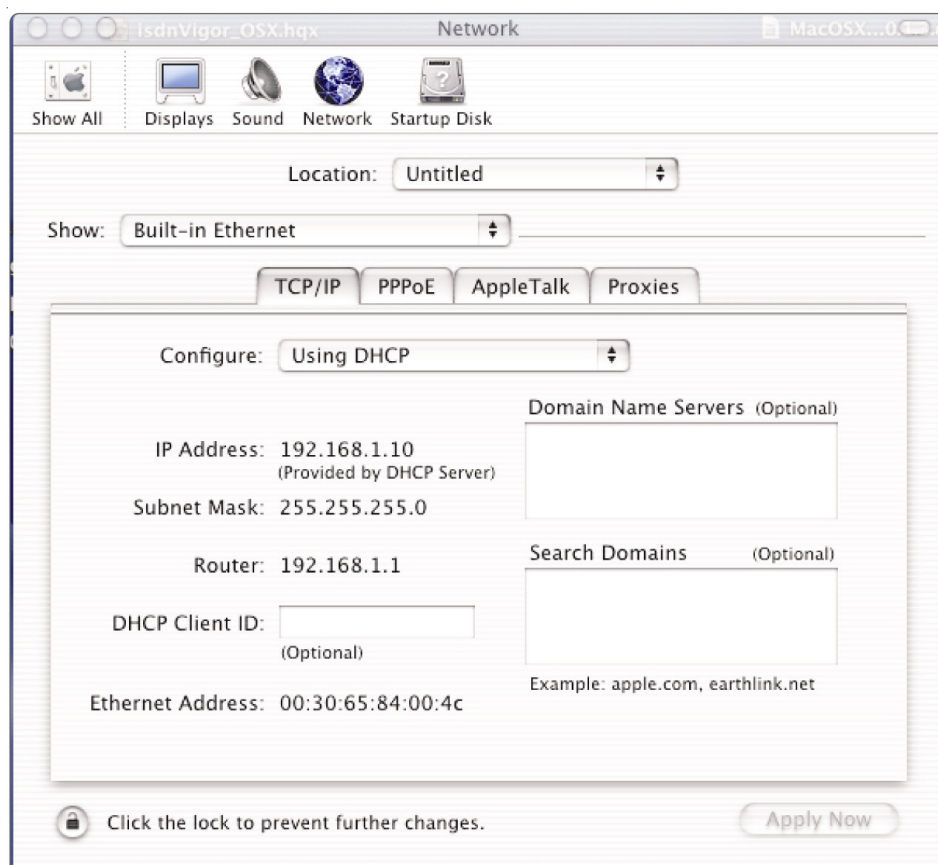
For Mac OS9.x user

Control Panel >> TCP/IP



For Mac OSX user

System Preferences >> Network



Are DSL and ISP settings OK?

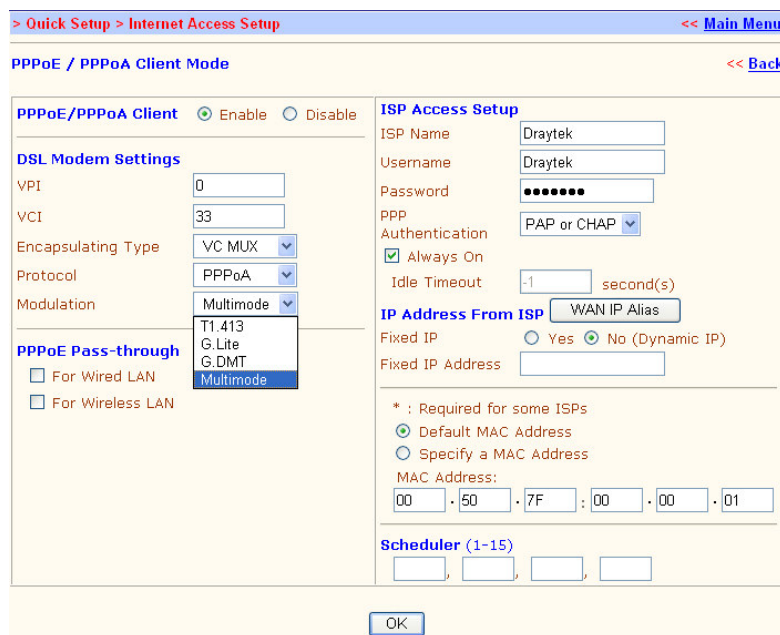
Connect to the router Web Configurator.



The image shows the 'Setup Main Menu' of a DrayTek Router Web Configurator. At the top, it displays the router's model (Vigor2600Ge annex A), firmware version (251RC2), build date/time (Fri Feb 20 13:28:22 34 2004), and LAN MAC address (00:50:7F:00:00:00). The menu is divided into four main sections: 'Basic Setup (Setup First)' with links for Administrator Password Setup, LAN TCP/IP and DHCP Setup, and Wireless LAN Setup; 'Advanced Setup' with links for Dynamic DNS Setup, Call Schedule Setup, NAT Setup, RADIUS Setup, Static Route Setup, IP Filter/Firewall Setup, VPN and Remote Access Setup, and UPnP Service Setup; 'Quick Setup' with a link for Internet Access Setup; and 'System Management' with links for Online Status, VPN Connection Management, Configuration Backup / Restoration, SysLog / Mail Alert Setup, Time Setup, Management Setup, Diagnostic Tools, Reboot System, and Firmware Upgrade (TFTP Server). A copyright notice at the bottom states 'Copyright (c) 2004, DrayTek Corp. All Rights Reserved.'

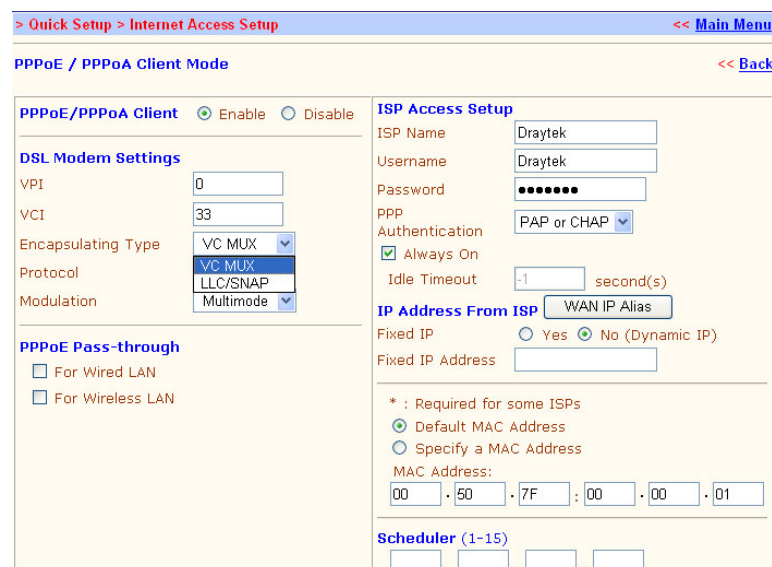
Check if the DSL setting are correct. (For MPoA user, please refer to the MPoA explanation on page 15)

>> VPI/VCI/Modulation mode: T1.413, G.Lite, G.DMT, Multimode



This screenshot shows the 'Internet Access Setup' page for 'PPPoE / PPPoA Client Mode'. The 'PPPoE/PPPoA Client' is enabled. Under 'DSL Modem Settings', VPI is 0, VCI is 33, Encapsulating Type is VC MUX, Protocol is PPPoA, and Modulation is Multimode. The 'PPPoE Pass-through' options for Wired and Wireless LAN are disabled. The 'ISP Access Setup' section shows ISP Name as Draytek, Username as Draytek, Password as masked, PPP Authentication as PAP or CHAP, Always On checked, Idle Timeout as -1 second(s), and IP Address From ISP as WAN IP Alias. Fixed IP is set to No (Dynamic IP). The MAC Address is 00:50:7F:00:00:01. A Scheduler section is also present with four empty slots. An 'OK' button is at the bottom.

>> Encapsulation mode: VCMUX or LLC/SNAP



This screenshot is similar to the previous one but shows the 'Encapsulation mode' settings. In the 'DSL Modem Settings' section, the 'Encapsulating Type' is now set to 'VC MUX' (previously 'VC MUX' was selected from a dropdown). The 'Modulation' dropdown is still set to 'Multimode'. All other settings, including the ISP Access Setup and Scheduler, remain the same as in the previous screenshot.

For PPPoE/PPPoA users, please check that the user name and password are correct, as provided by your ISP.

> Quick Setup > Internet Access Setup << Main Menu

PPPoE / PPPoA Client Mode << Back

PPPoE/PPPoA Client ☒ Enable ☐ Disable

DSL Modem Settings

VPI: 0

VCI: 33

Encapsulating Type: VC MUX

Protocol: PPPoA

Modulation: G.DMT

PPPoE Pass-through

☐ For Wired LAN

☐ For Wireless LAN

ISP Access Setup

ISP Name: Draytek

Username: Draytek

Password:

PPP Authentication: PAP or CHAP

☒ Always On

Idle Timeout: -1 second(s)

IP Address From ISP WAN IP Alias

Fixed IP: ☐ Yes ☒ No (Dynamic IP)

Fixed IP Address:

* : Required for some ISPs

☒ Default MAC Address

☐ Specify a MAC Address

MAC Address: 00 . 50 . 7F : 00 . 00 . 01

Scheduler (1-15)

OK

For MPoA (RFC1483/2684) mode users, please check that the WAN IP / Gateway / Subnet mask is set correctly, or that your ISP requires using DHCP client to obtain IP address automatically.

> Quick Setup > Internet Access Setup << Main Menu

MPoA (RFC1483/2684) Mode << Back

MPoA (RFC1483/2684) ☒ Enable ☐ Disable

DSL Modem Settings

Encapsulation: 1483 Bridged IP LLC

VPI: 0

VCI: 33

Modulation: Multimode

RIP Protocol

☐ Enable RIP

WAN IP Network Settings

☒ Obtain an IP address automatically

Router Name: *

Domain Name: *

☐ Specify an IP address WAN IP Alias

IP Address: 0.0.0.0

Subnet Mask: 255.255.255.0

Gateway IP Address:

* : Required for some ISPs

☒ Default MAC Address

☐ Specify a MAC Address

MAC Address: 00 . 50 . 7F : 00 . 00 . 01

OK

Check DSL Status Check the DSL status via Router Web Configurators Online Status monitor.

> System Management > Online Status					<< Main Menu		
System Status							
System Uptime: 0:1:45							
LAN Status							
IP Address		TX Packets		RX Packets			
192.168.1.1		380		295			
WAN Status							
Mode		IP Address		GW IP Addr		>> Drop PPPoE/PPPoA	
PPPoE		61.224.112.148		61.224.112.254			
		TX Packets		TX Rate		RX Packets	
		8		38		10	
						RX Rate	
						22	
						Up Time	
						0:00:01	
ADSL Information (ADSL Firmware Version : 40e2be29)							
ATM Statistics		TX Blocks		RX Blocks		Corrected Blocks	
		231288		231081		58581	
						Uncorrected Blocks	
						0	
ADSL Status							
Mode		State		Up Speed		Down Speed	
G.DMT		SHOWTIME		64000		512000	
						SNR Margin	
						11.0	
						Loop Att.	
						25.5	

ADSL status is shown on the bottom line in green. If this line is similar to the above example, then the DSL layer is operating, and the problem is at a higher level, such as incorrect login details.

**Report to ISP and
dealer technical
support**

If the router settings are correct, and the router still does not connect, please contact your ISP technical support representative to help you for configuration.

If the router does not work correctly, please contact your dealer for help. For any further questions, please e-mail support@draytek.com.tw.