



# **VigorPro 5300 Series Unified Security Firewall**

## **Quick Start Guide**

For

*Anti-Virus  
Anti-Intrusion  
Anti-Spam  
Service*

Version: 1.0

Date: 2007/07/02

Please visit [www.draytek.com](http://www.draytek.com) to get the newly updated manual at any time.

## Copyright Information

### Copyright Declarations

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## Safety Instructions and Approval

### 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 be 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.
- Do not deploy the cable for LAN connection outdoor to prevent electronic shock hazards.
- 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 two (2) 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.

### Be a Registered Owner

Web registration is preferred. You can register your Vigor router via <http://www.draytek.com>.

### Firmware & Tools Updates

Please consult the DrayTek web site for more information on newest firmware, tools and documents. For more detailed information, please refer to <http://www.draytek.com>.



Parts of the anti-virus features are powered by Kaspersky Lab ZAO. For more detailed information, please refer to <http://www.kaspersky.com>.

## European Community Declarations

Manufacturer: DrayTek Corp.

Address: No. 26, Fu Shing Road, HuKou County, HsinChu Industrial Park, Hsin-Chu, Taiwan 303

Product: VigorPro 5300

DrayTek Corp. declares that VigorPro 5300 Series is in compliance with the following essential requirements and other relevant provisions of R&TTE Directive 1999/5/EEC.

The product conforms to the requirements of Electro-Magnetic Compatibility (EMC) Directive 89/336/EEC by complying with the requirements set forth in EN55022/Class A and EN55024/Class B.

The product conforms to the requirements of Low Voltage (LVD) Directive 73/23/EEC by complying with the requirements set forth in EN60950.

## Regulatory Information

### Federal Communication Commission Interference Statement

This equipment has been tested and found to comply with the limits for a Class B digital device, pursuant to Part 15 of the FCC Rules. These limits are designed to provide reasonable protection against harmful interference in a residential installation. This equipment generates, uses and can radiate radio frequency energy and, if not installed and used in accordance with the instructions, may cause harmful interference to radio communications. However, there is no guarantee that interference will not occur in a particular installation. If this equipment does cause harmful interference to radio or television reception, which can be determined by turning the equipment off and on, the use is encouraged to try to correct the interference by one of the following measures:

- Reorient or relocate the receiving antenna.
- Increase the separation between the equipment and receiver.
- Connect the equipment into an outlet on a circuit different from that to which the receiver is connected.
- Consult the dealer or an experienced radio/TV technician for help.

This device complies with Part 15 of the FCC Rules. Operation is subject to the following two conditions:

- (1) This device may not cause harmful interference, and
- (2) This device may accept any interference received, including interference that may cause undesired operation.

### Taiwanese BSMI (Bureau of Standards, Metrology and Inspection) A Warning:

Warning: This device might cause interference of radio frequency under the environment of dwelling. In such condition, the users might be asked to adopt some proper strategies.

Please visit "[www.draytek.com/about\\_us/Regulatory.php](http://www.draytek.com/about_us/Regulatory.php)"



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# 1. Introduction

VigorPro 5300 Series is an all-in-one **Anti-Virus, Anti-Intrusion and Anti-Spam security appliance** for SOHO and branch office. VigorPro 5300 Series provides real-time network protection against viruses, worms and malicious programs via e-mail, FTP and web browser. The rule-based website content filtering blocks improper connection to internet in flexible way. With DrayTek's DrayOS™ as kernel, VigorPro 5300 Series provides robust and stable VPN, firewall and routing functionality as well.

Unlike legacy proxy-based anti-virus anti-intrusion solution, which stores data in files format prior to scan the content in streaming, the VigorPro 5300 equips with hardware-based scan engine. VigorPro 5300 Series scans packet stream go through it in real-time before those specious content get into the network without performance downgrade. Thus provides a protection of whole network against any intrusion and malicious program in real-time.

DrayTek provides customer free access to the latest virus/hacker signature for and information update for a period of time. Considering customer's needs to minimize supporting effort, DrayTek support team also provides service for VigorPro 5300 Series to get the latest signature updated from DrayTek's server automatically. The all-in-one design makes network management simple and easy.

## Features for VigorPro 5300 Series

- Easy Internet-sharing of your broadband connection
- Unified Security Firewall to help protect your network from external viruses and intrusions
- Real-time virus/intrusion signature scanning with hardware-based scan engine to protect your network

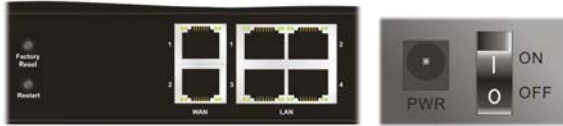
## 1.1 Panel Explanation



LED	Status	Explanation
ACT (Activity)	Blinking	The router is powered on and running normally.
	Off	The router is powered off.
IDP (Intrusion Detection and Prevention)	On (Yellow)	The anti-intrusion function is enabled.
Virus	On (Yellow)	The anti-virus function is enabled.
CPA	On	The web content filter function is enabled.
WAN1/2	On	The WAN1 or WAN2 port is connected.
	Blinking	It will blink while transmitting data.
MGMT	On	The router is managed (handled) by Telnet.
	Blinking	It will blink while being managed by IE browser.
VPN	On	The VPN tunnel is launched.
	Off	The VPN tunnel is closed.
QoS	On	The QoS function is active.

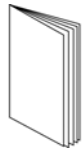
### LED on Connector

WAN 1/2	Left LED	On	The port is connected.
		Off	The port is disconnected.
		Blinking	The data is transmitting.
	Right LED	On	The port is connected with 100Mbps.
		Off	The port is connected with 10Mbps
		Blinking	The data is transmitting.
LAN 1/2/3/4	Left LED	On	The port is connected.
		Off	The port is disconnected.
		Blinking	The data is transmitting.
	Right LED	On	The port is connected with 100Mbps.
		Off	The port is connected with 10Mbps

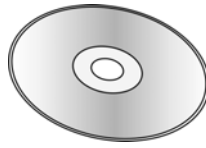


Interface	Description
RST (Factory Reset)	Restore the default settings. Usage: Turn on the router (ACT LED is blinking). Press the hole and keep for more than 5 seconds. When you see the ACT LED begins to blink rapidly than usual, release the button. Then the router will restart with the factory default configuration.
Restart	Restart the router forcefully.
WAN(1/2)	Connecters for remote networked devices.
LAN (1-4)	Connecters for local networked devices.
PWR	Connector for a power adapter.
ON/OFF	Power Switch.

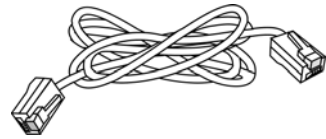
## 1.2 Package Content



**1** Quick Start Guide

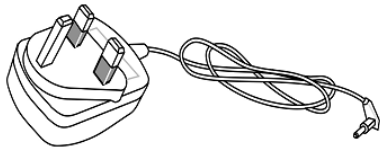


**2** CD

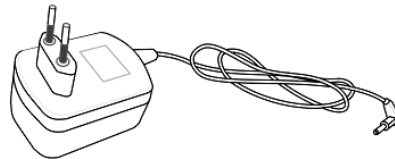


**3** RJ-45 Cable (Ethernet)

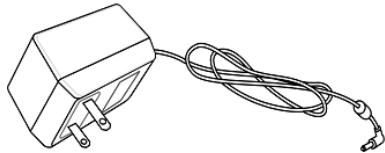
**4** The type of the power cord depends on the country that the router will be installed:



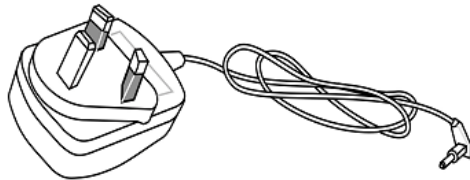
**UK-type Power Adapter**



**EU-type Power Adapter**



**USA/Taiwan-type Power Adapter**



**AU/NZ-type Power Adapter**

\* The maximum power consumption is *17-23 Watt*.

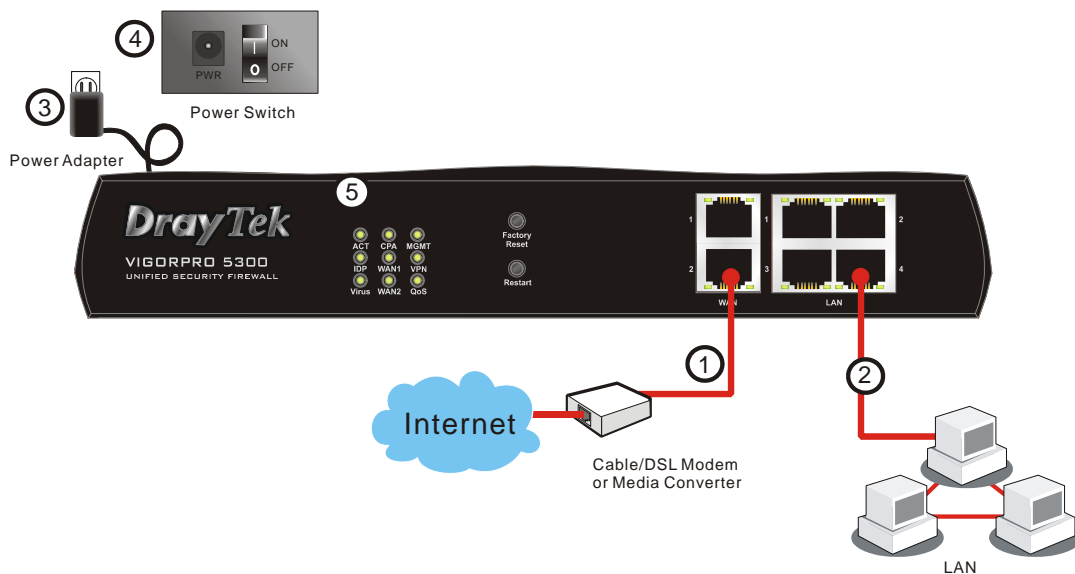


## 2. Installing Your Vigor Router

This section will guide you to install the router through hardware connection and configure the router's settings through web browser.

Before starting to configure the router, you have to connect your devices correctly.

1. Connect a cable Modem/DSL Modem/Media Converter (depends on your requirement) to any WAN port of router with Ethernet cable (RJ-45). The **WAN1/WAN2 LED (Right)** will light up according to the network speed (100 or 10) of the device that it connected.
2. Connect one end of an Ethernet cable (RJ-45) to one of the **LAN** ports of the router and the other end of the cable (RJ-45) into the Ethernet port on your computer. The **LAN LED (Right)** will light up according to the network speed (100 or 10) of the device that it connected.
3. Connect one end of the power adapter to the router's power port on the rear panel, and the other side into a wall outlet.
4. Power on the device by pressing down the power switch on the rear panel.
5. The system starts to initiate. After completing the system test, the **ACT LED** will light up and start blinking.



(For the detailed information of LED status, please refer to section 1.1.)

This page is left blank for remark if necessary.

### 3. Configuring Web Pages

The **Quick Start Wizard** is designed for you to easily set up your router for Internet access. You can directly access the **Quick Start Wizard** via Web Configurator.

1. Make sure your PC connects to the router correctly.



Notice: You may either simply set up your computer to get IP dynamically from the router or set up the IP address of the computer to be the same subnet as **the default IP address of Vigor router 192.168.1.1**. For the detailed information, please refer to the later section - Trouble Shooting of the guide.

2. Open a web browser on your PC and type **http://192.168.1.1**. A pop-up window will open to ask for username and password. Do not type any word on the window and click **OK** for next screen.



Notice: If you fail to access to the web configuration, please go to “Trouble Shooting” for detecting and solving your problem.

3. Now, the **Main Screen** will pop up. Click **Quick Start Wizard**.

**DrayTek** **VIGORPRO 5300**  
UNIFIED SECURITY FIREWALL

**System Status**

Model Name : VigorPro5300 series  
Firmware Version : 3.0.0\_RC5a  
Build Date/Time : Jun 26 2007 14:12:20  
Signature Version : basic  
Signature Build Date : Tue Aug 29 09:16:25.00 2006

LAN		WAN 1	
MAC Address	: 00-50-7F-22-33-44	Link Status	: <b>Disconnected</b>
1st IP Address	: 192.168.1.1	MAC Address	: 00-50-7F-22-33-46
1st Subnet Mask	: 255.255.255.0	Connection	: Static IP
DHCP Server	: Yes	IP Address	: 172.16.3.229
DNS	: 194.109.6.66	Default Gateway	: 172.16.3.4
		Mode	: NAT

LAN		WAN 2	
Link Status	: <b>Connected</b>	Link Status	: <b>Connected</b>
MAC Address	: 00-50-7F-22-33-47	MAC Address	: 00-50-7F-22-33-47
Connection	: Static IP	Connection	: Static IP
IP Address	: 172.16.3.229	IP Address	: 172.16.3.229
Default Gateway	: 172.16.3.4	Default Gateway	: 172.16.3.4
Mode	: NAT	Mode	: NAT

Status: Ready

**Note:** The home page will change slightly in accordance with the router you have.

4. Enter the login password on the field of **New Password** and retype it on the field of **Confirm Password**. Then click **Next** to continue.

Quick Start Wizard

---

**Enter login password**

Please enter an alpha-numeric string as your **Password** (Max 23 characters).

New Password

Confirm Password

< Back   Next >   Finish   Cancel

5. On the next page as shown below, please select the WAN interface that you use. Choose **Auto negotiation** as the physical type for your router. Then click **Next** for next step.

Quick Start Wizard

---

**Select WAN Interface**

Select WAN Interface:

Display Name:

Physical Mode:

Physical Type:

< Back   Next >   Finish   Cancel

6. On the next page as shown below, please select the appropriate Internet access type according to the information from your ISP. For example, you should select PPPoE mode if the ISP provides you PPPoE interface. Then click **Next** for next step.

Quick Start Wizard

Connect to Internet

**WAN 1**  
Select one of the following Internet Access types provided by your ISP.

- PPPoE
- PPTP
- Static IP
- DHCP

< Back   Next >   Finish   Cancel

**PPPoE:** if you click PPPoE as the protocol, please manually enter the Username/Password provided by your ISP. Then click **Next**.

Quick Start Wizard

PPPoE Client Mode

**WAN1**  
Enter the user name and password provided by your ISP.

User Name:

Password:

Confirm Password:

< Back   Next >   Finish   Cancel

**PPTP:** if you click PPTP, you will get the following page. Please type in all the information originally provided by your ISP. Then click **Next** for next step.

Quick Start Wizard

PPTP Client Mode

**WAN1**  
Enter the user name, password, WAN IP configuration and PPTP server IP provided by your ISP.

User Name:

Password:

Confirm Password:

WAN IP Configuration

- Obtain an IP address automatically
- Specify an IP address

IP Address:

Subnet Mask:

PPTP Server IP:

< Back   Next >   Finish   Cancel

**Static IP:** if you click Static IP, you will get the following page. Please type in all the information originally provided by your ISP. Then click **Next** for next step.

Quick Start Wizard

Static IP Client Mode

**WAN 1**  
Enter the Static IP configuration provided by your ISP.

WAN IP	<input type="text" value="172.16.3.229"/>
Subnet Mask	<input type="text" value="255.255.255.0"/>
Gateway	<input type="text" value="172.16.3.1"/>
Primary DNS	<input type="text" value="168.95.1.1"/>
Secondary DNS	<input type="text"/> (optional)

< Back   Next >   Finish   Cancel

**DHCP:** if you click DHCP, you will get the following page. Please type in all the information originally provided by your ISP. Then click **Next** for next step.

Quick Start Wizard

DHCP Client Mode

**WAN 1**  
If your ISP requires you to enter a specific host name or specific MAC address, please enter it in.

Host Name	<input type="text"/> (optional)
MAC	<input type="text" value="00"/> - <input type="text" value="50"/> - <input type="text" value="7F"/> - <input type="text" value="22"/> - <input type="text" value="33"/> - <input type="text" value="45"/> (optional)

< Back   Next >   Finish   Cancel

7. Now you can see the following screen. It indicates that the setup is complete. Different types of connection modes will have different summary. Click **Finish** and then restart the router. Afterward, you will enjoy surfing on the Internet.

Quick Start Wizard

Please confirm your settings:

WAN Interface:	WAN1
Physical Mode:	Ethernet
Physical Type:	Auto negotiation
Internet Access:	DHCP

Click **Back** to modify changes if necessary. Otherwise, click **Finish** to save the current settings and restart the Vigor router.

< Back   Next >   Finish   Cancel

## 4. Registration for the Router

Now you can surf on Internet freely. It is time to continue the registration and activation of your router for using the functions of anti-intrusion, anti-virus and anti-spam.

To use the anti-intrusion, anti-virus and anti-spam features of VigorPro series router, you have to create a new account, finish the registration for that account by using the router and complete the registration for the Vigor router. After finishing the registration of the router, you can download the newly update types and rules of anti-intrusion and anti-virus during the valid time of the license key you purchased.

There are two ways to create and activate new account. One is created by accessing [www.vigorpro.com](http://www.vigorpro.com) (refer to section 4.1), the other is from router's web configurator (refer to section 4.2).

After activating the new account, you have to register your router from router's web configurator (refer to section 4.3). Follow the steps listed below to finish the registration and activation.

### 4.1 Creating and Activating an Account from VigorPro Website

To activate anti-virus/anti-intrusion/anti-spam function, you need to register an account on [www.vigorpro.com](http://www.vigorpro.com) firstly. Please follow the steps below to create a new account.

1. Open your browser with URL: **www.vigorpro.com**. Find the line of **Not registered yet?**. Then, click the link **Click here!** to access into next page.

The screenshot displays the VigorPro website interface. On the left is a red navigation menu with links: Home, About Us, Product, My Information, Security Information, Downloads, Technical Support, Submit Virus Sample, and Close. The main content area features a 'Unified Security Firewall' banner with a woman working on a laptop. Below this is a 'SECURITY INFORMATION' section listing various viruses and attacks with severity indicators (low to high). On the right side, there is a 'LOGIN' form with fields for Username, Password, and AuthCode, a CAPTCHA image, and a 'Login' button. Below the login form is a 'Contact DrayTek' section with a red-bordered button labeled 'Not registered yet? Click here!'. At the bottom right, there is a 'SECURITY NEWS' section with a list of recent security updates.

2. Check to confirm that you accept the Agreement and click **Accept**.

Register Search for this site

---

**Create an account - Please enter personal profile.**

- 1
- 2
- 3
- 4

===== VigorPro Agreement =====

1. Agreement  
 Draytek provides VigorPro(www.vigorpro.com) service according to this agreement. When you use vigorpro service, it means that you have read, understand and agree to accept the items listed in this agreement. Draytek can modify or change the content of the items without any reasons. It is suggested for you to notice the medications or changes at any time. If you still use vigorpro service after knowing the modifications and changes of this service, it means you have read, understand and agree to accept the modifications and changes. If you do not agree the content of this agreement, please stop using vigorpro service.

2. Registration  
 To use this service, you have to agree the following conditions:  
 (a) Provide your complete and correct information according to the registration steps of this service.  
 (b) If you provide any incorrect or fake information here, DrayTek has the right to pause or terminate your account.

I have read and understand the above Agreement. (Use the scroll bar to view the entire agreement)

3. Type your personal information in this page and then click **Continue**.

Register Search for this site

---

**Create an account - Please enter personal profile.**

Fields marked by (\*) are required

- 1
- 2
- 3
- 4

### Account Information

UserName :\*

(3 ~ 20 characters)

Password :\*

(4 ~ 20 characters : Do not set the same as the username.)

Confirm Password :\*

### Personal Information

First Name :\*

Last Name :\*

Company Name :

Email Address :\*

Please note that a valid E-mail address is required to receive the Subscription Code. You will need this code to activate your account.

Tel :  -

Country :\*

Career :\*



4. Choose proper selection for your computer and click **Continue**.

The screenshot shows the 'Register' page with a search bar at the top right. Below the search bar, the heading reads 'Create an account - Please enter personal profile.' On the left, a vertical list of steps is shown: 1 Agreement, 2 Personal Information, 3 Preferences (highlighted in blue), and 4 Completion. The main content area contains the following questions and answers:

- How did you find out about this website? Internet
- What kind of anti-virus do you use? ClamAV
- I would like to subscribe to the vigorpro e-letter.
- I would like to receive DrayTek product news.

At the bottom right, there are two buttons: '<< Back' and 'Continue >>'.

5. Now you have created an account successfully.

The screenshot shows the 'Register' page with the same search bar. The heading reads 'Create an account - Please enter personal profile.' The vertical list of steps on the left now shows: 1 Agreement, 2 Personal Information, 3 Preferences, and 4 Completion (highlighted in blue). A large red-bordered box is overlaid on the right side of the page, containing the following text:

**Completion**

A confirmation email has been sent to  
**carrie\_ni@draytek.com**  
Please click on the activation link in the email  
to activate your account

**START**

6. Check to see the confirmation email with the title of **New Account Confirmation Letter from www.vigorpro.com**.

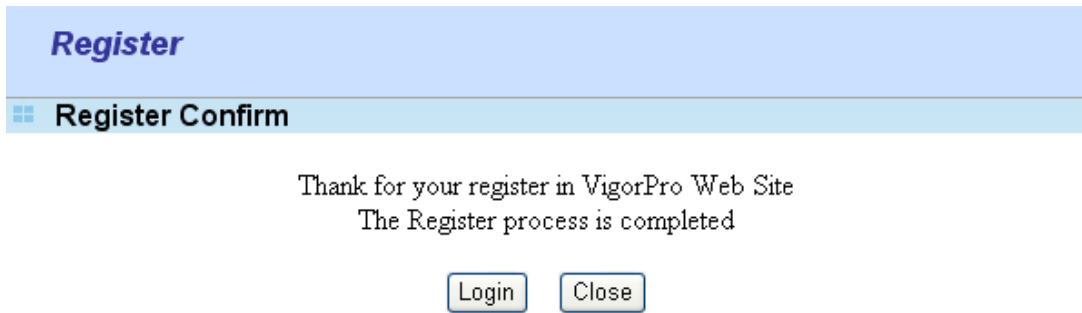
\*\*\*\*\* This is an automated message from www.vigorpro.com.\*\*\*\*\*

Thank you ( **carrie** ) for creating an account.

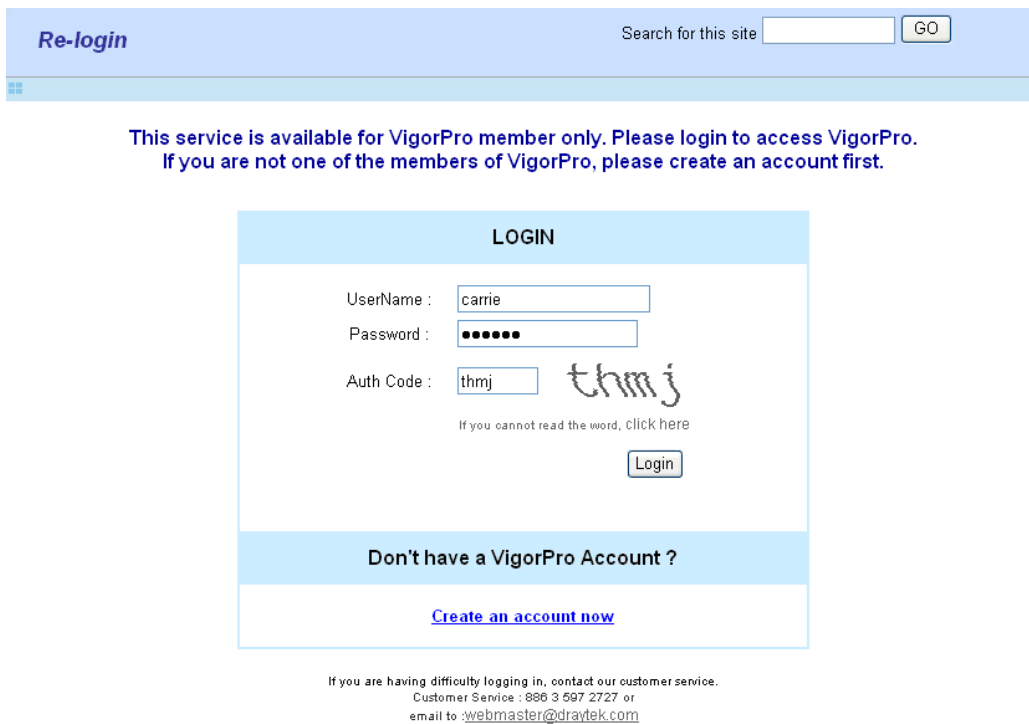
Please click on the activation link below to activate your account

Link : [Activate my Account](#)

7. Click the **Activate my Account** link to enable the account that you created. The following screen will be shown to verify the register process is finished. Please click **Login**.



8. When you see the following page, please type in the account and password (that you just created) in the fields of **UserName** and **Password**. Then type the code in the box of AuthCode according to the value displayed on the right side of it.



9. Now, click **Login**. Your account has been activated.

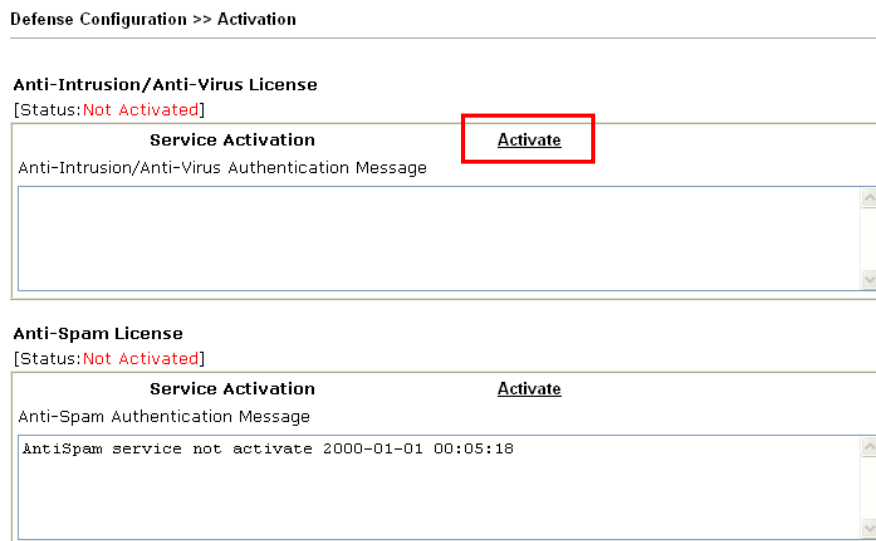
## 4.2 Creating and Activating an Account from Router Web Configurator

You, also can created and register a new account from the web configurator of the VigorPro router.

1. Open a web browser on your PC and type **http://192.168.1.1**. A pop-up window will open to ask for username and password. Do not type any word on the window and click **OK**.
2. From the router's web page, please open **Defense Configuration >>Activation**. You will see the following web page.



3. Click any one of the **Activate** link from the **Activation** web page.



**Note:** If you want to use email alert or syslog, please configure the [SysLog/Mail Alert Setup](#) page.

4. A **Re-login** page will be shown on the screen.

5. Locate and click **Create an account now link** on the bottom of this page. You will access into the following page. Check the box below to confirm that you accept the Agreement and click **Accept**.

6. Type your personal information in this page and then click **Continue**.

**Register** Search for this site

---

**Create an account - Please enter personal profile.**

Fields marked by (\*) are required

<b>1</b> Agreement	<b>Account Information</b>
<b>2</b> <b>Personal Information</b>	UserName :* <input type="text" value="carrie"/> <input type="button" value="Check Account"/> <small>(3 ~ 20 characters)</small>
<b>3</b> Preferences	Password :* <input type="password" value="●●●●●●"/> <small>(4 ~ 20 characters : Do not set the same as the username.)</small>
<b>4</b> Completion	Confirm Password :* <input type="password" value="●●●●●●"/>
	<b>Personal Information</b>
	First Name :* <input type="text" value="Carrie"/>
	Last Name :* <input type="text" value="Ni"/>
	Company Name : <input type="text" value="DrayTek"/>
	Email Address :* <input type="text" value="carrie_ni@draytek.com"/> <small>Please note that a valid E-mail address is required to receive the Subscription Code. You will need this code to activate your account.</small>
	Tel : <input type="text"/> - <input type="text"/>
	Country :* <input type="text" value="TAIWAN"/>
	Career :* <input type="text" value="Other"/>
	<input &gt;="" &gt;<="" <input="" td="" type="button" value=" Continue &gt;&gt; "/>

7. Choose proper selection for your computer and click **Continue**.

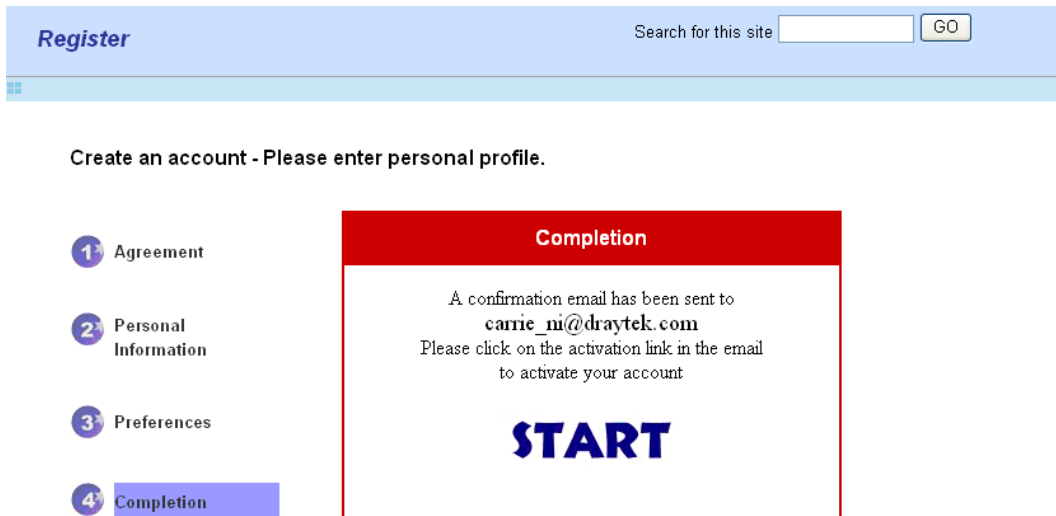
**Register** Search for this site

---

**Create an account - Please enter personal profile.**

<b>1</b> Agreement	<b>How did you find out about this website?</b> <input type="text" value="Internet"/>
<b>2</b> Personal Information	<b>What kind of anti-virus do you use?</b> <input type="text" value="ClamAV"/>
<b>3</b> <b>Preferences</b>	<b>I would like to subscribe to the vigorpro e-letter.</b> <input checked="" type="checkbox"/>
	<b>I would like to receive DrayTek product news.</b> <input checked="" type="checkbox"/>
<b>4</b> Completion	<input &gt;="" &gt;<="" <input="" td="" type="button" value=" Continue &gt;&gt; "/>

8. Now you have created an account successfully.



9. Check to see the confirmation email with the title of **New Account Confirmation Letter from www.vigorpro.com**.

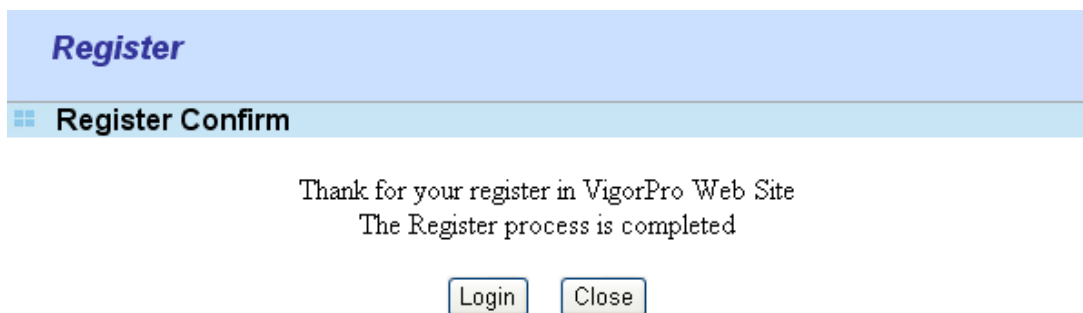
\*\*\*\*\* This is an automated message from www.vigorpro.com. \*\*\*\*\*

Thank you ( **carrie** ) for creating an account.

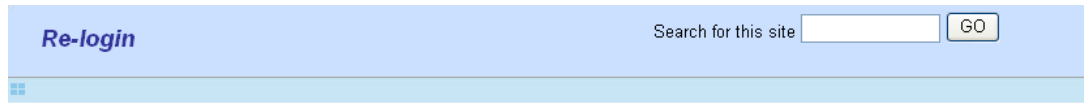
Please click on the activation link below to activate your account

Link : [Activate my Account](#)

10. Click the **Activate my Account** link to enable the account that you created. The following screen will be shown to verify the register process is finished. Please click **Login**.



- When you see the following page, please type in the account and password (that you just created) in the fields of **UserName** and **Password**. Then type the code in the box of AuthCode according to the value displayed on the right side of it.



This service is available for VigorPro member only. Please login to access VigorPro.  
If you are not one of the members of VigorPro, please create an account first.

**LOGIN**

UserName :

Password :

Auth Code :  thmj

If you cannot read the word, click here

---

**Don't have a VigorPro Account ?**

[Create an account now](#)

If you are having difficulty logging in, contact our customer service.  
Customer Service : 886 3 697 2727 or  
email to : [webmaster@draytek.com](mailto:webmaster@draytek.com)

- Now, click **Login**. Your account has been activated. And the following page will be shown automatically.



**Welcome, carrie**  
**Last Login Time :** 2006-08-16 17:08:25  
**Last Login From :** 218.174.234.195  
**Current Login Time :** 2006-08-16 17:13:51  
**Current Login From :** 218.174.234.195

RowNo :  PageNo :




---

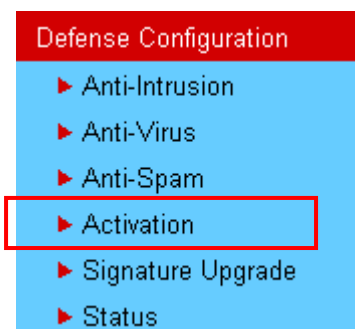
DrayTek will maintain a database of MAC address/serial number of shipped goods. Only products with shipping records can be registered. If your VigorPro 5300 cannot hook up to your account, please contact your reseller or DrayTek's technical support.

---

## 4.3 Registering Your Vigor Router

You have activated the new account for the router. Now, it is the time for you to register your vigor router. Open **Defense Configuration >>Activation**; the other is to register by using **Anti-Spam>>Profile Setting**. Registering Vigor router should be done just for once. **If the router has been registered previously, the system will not allow you to register the router again.** After finishing the router registration, you can activate Anti-Virus, Anti-Intrusion and Anti-Spam respectively.

1. Open a web browser on your PC and type **http://192.168.1.1**. A pop-up window will open to ask for username and password.
2. From the router's web page, please open **Defense Configuration >>Activation**. You will see the following web page.



3. Click any one of the **Activate** link from the **Activation** web page.

Defense Configuration >> Activation

### Anti-Intrusion/Anti-Virus License

[Status:Not Activated]

Service Activation	Activate
Anti-Intrusion/Anti-Virus Authentication Message	
<div style="border: 1px solid gray; height: 40px;"></div>	

### Anti-Spam License

[Status:Not Activated]

Service Activation	Activate
Anti-Spam Authentication Message	
<div style="border: 1px solid gray; padding: 5px;">AntiSpam service not activate 2000-01-01 00:05:18</div>	

**Note:** If you want to use email alert or syslog, please configure the [SysLog/Mail Alert Setup](#) page.

4. A **Re-login** page will be shown on the screen. Please type the account and password that you created previously. And click **Login**.



This service is available for VigorPro member only. Please login to access VigorPro.  
If you are not one of the members of VigorPro, please create an account first.

**LOGIN**

UserName :

Password :

Auth Code :  

If you cannot read the word, click here

---

**Don't have a VigorPro Account ?**

[Create an account now](#)

If you are having difficulty logging in, contact our customer service.  
Customer Service : 886 3 597 2727 or  
email to : [webmaster@draytek.com](mailto:webmaster@draytek.com)

5. The following page will be displayed after you logging in VigorPro server. From this page, please click **Add**.

**Welcome, carrie**  
**Last Login Time :** 2006-08-16 17:08:25  
**Last Login From :** 218.174.234.195  
**Current Login Time :** 2006-08-16 17:13:51  
**Current Login From :** 218.174.234.195

RowNo :  PageNo :

6. When the following page appears, please type in Nick Name (for the router) and choose the right purchase date from the popup calendar (it appears when you click on the box of Purchase Date).

**My Product** Search for this site

---

**Device Add**

Serial number: 999999999990

Nick Name:

Purchase Date:

August 2006

Wk	Mon	Tue	Wed	Thu	Fri	Sat	Sun
31		1	2	3	4	5	6
32	7	8	9	10	11	12	13
33	14	15	16	17	18	19	20
34	21	22	23	24	25	26	27
35	28	29	30	31			

Today is Wed, 16 Aug 2006

7. After adding the basic information for the router, please click **Submit**.

**My Product** Search for this site

---

**Device Add**

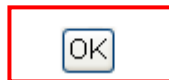
Serial number: 999999999990

Nick Name:

Purchase Date:

8. Now, your router information has been added to the database. Click **OK** to leave this web page and return to **My Product** web page.

Your device has been successfully added to the database.

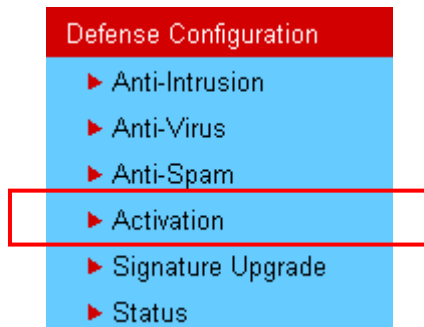


## 4.4 Activating Anti-Virus/Anti-Intrusion/Anti-Spam Service

After registering your vigor router, you have to follow the steps listed below to activate anti-virus/anti-intrusion/anti-spam service to obtain full security for your computer.

### 4.4.1 For Anti-Virus and Anti-Intrusion Service

1. Open a web browser on your PC and type **http://192.168.1.1**. A pop-up window will open to ask for username and password.
2. From the router's web page, please open **Defense Configuration >>Activate**. You will see the following web page.



3. Click the **Activate** link from Anti-Intrusion/Anti-Virus License to activate Anti-Intrusion/Anti-Virus service.

Defense Configuration >> Activation

#### Anti-Intrusion/Anti-Virus License

[Status: **Not Activated**]

Service Activation	<a href="#">Activate</a>
Anti-Intrusion/Anti-Virus Authentication Message	
<div style="border: 1px solid gray; height: 40px;"></div>	

#### Anti-Spam License

[Status: **Not Activated**]

Service Activation	<a href="#">Activate</a>
Anti-Spam Authentication Message	
<div style="border: 1px solid gray; padding: 5px;">AntiSpam service not activate 2000-01-01 00:05:18</div>	

**Note:** If you want to use email alert or syslog, please configure the [SysLog/Mail Alert Setup](#) page.

- A **Re-login** page will be shown on the screen. Please type the account and password that you created previously. And click **Login**.

**Re-login** Search for this site

This service is available for VigorPro member only. Please login to access VigorPro.  
If you are not one of the members of VigorPro, please create an account first.

**LOGIN**

UserName :

Password :

Auth Code :  thmj

If you cannot read the word, [click here](#)

**Don't have a VigorPro Account ?**

[Create an account now](#)

If you are having difficulty logging in, contact our customer service.  
Customer Service : 886 3 597 2727 or  
email to [webmaster@draytek.com](mailto:webmaster@draytek.com)

- On the web page of **My Product**, you can find a list of the devices that you add with the above steps. Currently, you just have added VigorPro 5300. Please click the serial number link.

**My Product** Search for this site

**Device Registration**

**Welcome, carrie**  
**Last Login Time :** 2006-08-16 17:08:25  
**Last Login From :** 218.174.234.195  
**Current Login Time :** 2006-08-16 17:13:51  
**Current Login From :** 218.174.234.195

RowNo :  PageNo :

**Your Devices**

Serial Number	Device Name	Model	Note
<a href="#">999999999999</a>	carrie	VigorPro 5300	-

- From the **Device's Service** section, click the **Activate** button for AI-AV (Anti-Intrusion & Anti-Virus) service.

**My Product** Search for this site

---

**Device Information**

Nick Name : [carrie](#)

Serial : [999999999999](#)

Model : [VigorPro 5300](#)

**Device's Service**

Service	Action	Status	Start Date	Expired Date	Provider
AI-AV	<input type="button" value="Activate"/> <input type="button" value="Apply"/>	-	-	-	-
AS	<input type="button" value="Activate"/> <input type="button" value="Apply"/>	-	-	-	-

**Action**

**Activate** : It allows the user to activate the service provider (DT-DT and DT-KL) dedicated to the router. If the record of the license key exists, the button "Upgrade" will show up instead.

**Apply** : It allows the user to adopt the selected service provider on the router. It also enables the user to switch one key to the other.

- In this page, check the box of "**I have read and accept the above Agreement**". The system will find out the date for you to activate this version of service. Then, click **Register**.

**My Product** Search for this site

---

**Try DrayTek's AV-AI application 30 days free of charge**


**STEP 1**

Service Provider:  DT-DT

**STEP 2**

Join !!! Join the **Draytek promotion plan**

**STEP 3**

 License Agreement PDF Format

DrayTek VigorPro Series End-User License Agreement

IMPORTANT :

DrayTek IS WILLING TO LICENSE THE ENCLOSED SOFTWARE TO YOU ONLY UPON THE CONDITION THAT YOU ACCEPT ALL OF THE TERMS CONTAINED IN THIS LICENSE AGREEMENT. PLEASE READ THE TERMS CAREFULLY BEFORE COMPLETING THE INSTALLATION PROCESS AS INSTALLING THE SOFTWARE WILL INDICATE YOUR ASSENT TO THEM. IF YOU DO NOT AGREE TO THESE TERMS, THEN DrayTek IS UNWILLING TO LICENSE THE SOFTWARE TO YOU, IN WHICH EVENT YOU SHOULD RETURN THE

I have read and accept the above Agreement. (Please check this box).

**STEP 4**

Activation Date(MM-DD-YYYY):

**Tip** : The above information will not be shown after you added and registered both types of license numbers to the database.

---

**Note:** DT-DT means you can acquire the anti-intrusion and anti-virus services from DrayTek Corporation.

---

8. Next, the DrayTek Service Activation screen will be shown as the following.

**DrayTek Service Activation**

---

Service Name	Start Date	Expire Date	Status
Anti-Virus	2006-08-16	2006-09-15	DT-DT
Anti-Spam	---	---	Not Activated

Please check if the license fits with the service provider of your signature. To ensure normal operation for your router, update your signature again is recommended.

**Copyright © DrayTek Corp. All Rights Reserved.**

(Above figure supposes you have not activated Anti-Spam yet.)

9. Click **Close**.
10. Open **Defense Configuration>>Status** page of the router's web configurator. The start date and expire date for the license are shown in this page.

**Defense Configuration >> Status**

---

**Anti-Intrusion/Anti-Virus License**  
[Status:DT-DT ] [Start Date: 2006-08-16 Expire Date: 2006-09-15 ]

Signature Version	: basic	Signature Build Date	: Tue Aug 12 9:16:25.0 2006
Current Download Server	: auto-selected	Current Query Server	: auto-selected

Signature Authentication/Download Message for Anti-Intrusion/Anti-Virus:

**Anti-Spam License**  
[Status:Not Activated]

Signature Authentication/Download Message for Anti-Spam

AntiSpam service not activate 2000-01-01 00:05:18

Now, you have finished all the procedure for activating Anti-Intrusion/Anti-Virus service for your router.



---

**Note:** You are allowed to use this version (with anti-intrusion/anti-virus features) for 30 days after you register for your router. In addition, you will be informed with an e-mail before expire date of this version.

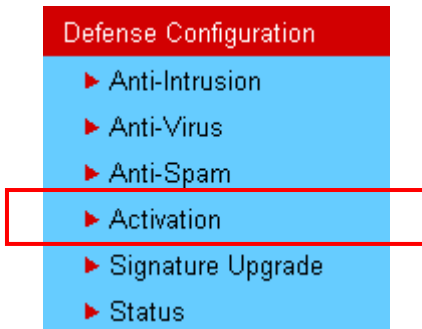
---

## 4.4.2 For Anti-Spam Service

Please follow the steps below to activate Anti-Spam Service for your system.

### Getting 30 Days of Free Charge

1. Open a web browser on your PC and type **http://192.168.1.1**. A pop-up window will open to ask for username and password.
2. From the router's web page, please open **Defense Configuration >>Activate**. You will see the following web page.



3. Click the **Activate** link from Anti-Spam License to activate Anti-Spam service.

Defense Configuration >> Activation

#### Anti-Intrusion/Anti-Virus License

[Status:Not Activated]

Service Activation	<a href="#">Activate</a>
Anti-Intrusion/Anti-Virus Authentication Message	
<div style="border: 1px solid gray; height: 40px;"></div>	

#### Anti-Spam License

[Status:Not Activated]

Service Activation	<a href="#">Activate</a>
Anti-Spam Authentication Message	
<div style="border: 1px solid gray; padding: 5px;">AntiSpam service not activate 2000-01-01 00:05:18</div>	

**Note:** If you want to use email alert or syslog, please configure the [SysLog/Mail Alert Setup](#) page.

4. A **Re-login** page will be shown on the screen. Please type the account and password that you created previously. And click **Login**.

This service is available for VigorPro member only. Please login to access VigorPro.  
If you are not one of the members of VigorPro, please create an account first.

**LOGIN**

UserName :

Password :

Auth Code :  

If you cannot read the word, click here

**Don't have a VigorPro Account ?**

[Create an account now](#)

If you are having difficulty logging in, contact our customer service.  
Customer Service : 886 3 597 2727 or  
email to [webmaster@dravitek.com](mailto:webmaster@dravitek.com)

- On the web page of **My Product**, you can find a list of the devices that you add with the above steps. Currently, you just have added VigorPro 5300. Please click the serial number link.

**Welcome, carrie**  
**Last Login Time :** 2006-08-16 17:08:25  
**Last Login From :** 218.174.234.195  
**Current Login Time :** 2006-08-16 17:13:51  
**Current Login From :** 218.174.234.195

RowNo :  PageNo :

**Your Devices**

Serial Number	Device Name	Model	Note
99999999999999999999	carrie	VigorPro 5300	-

- From the **Device's Service** section, click the **Activate** buttons for AS (Anti-Spam) service.



Nick Name : [carrie](#)  
 Serial : [999999999990](#)  
 Model : [VigorPro 5300](#)

**Device's Service**

Service	Action	Status	Start Date	Expired Date	Provider
AI-AV	<input type="button" value="Activate"/> <input type="button" value="Apply"/>	-	-	-	-
AS	<input type="button" value="Activate"/> <input type="button" value="Apply"/>	-	-	-	-

**Action**

**Activate :** It allows the user to activate the service provider (DT-DT and DT-KL) dedicated to the router. If the record of the license key exists, the button "Upgrade" will show up instead.

**Apply :** It allows the user to adopt the selected service provider on the router. It also enables the user to switch one key to the other.

- In this page, check the box of **"I have read and accept the above Agreement"**. The system will find out the date for you to activate this version of service. Then, click **Register**.


**STEP 1**

Service Provider:  CTCH

**STEP 2**

Join It!! Join the **Draytek promotion plan**

**STEP 3**

 License Agreement PDF Format

End User License Agreement  
for Anti-Spam service on VigorPro router

Ver 1.0

PLEASE READ THIS SOFTWARE LICENSE AGREEMENT ("LICENSE") CAREFULLY BEFORE DOWNLOADING OR OTHERWISE USING THE SOFTWARE. BY DOWNLOADING, INSTALLING OR USING THE SOFTWARE, YOU ARE AGREEING TO BE BOUND BY THE TERMS OF THIS LICENSE. IF YOU DO NOT AGREE TO THE TERMS OF THIS

I have read and accept the above Agreement. (Please check this box).

**STEP 4**

Activation Date(MM-DD-YYYY):

**Tip :** The above information will not be shown after you added and registered both types of license numbers to the database.

---

**Note:** CTCH means you can acquire anti-spam service from Commtouch.

8. Next, the DrayTek Service Activation screen will be shown as the following.

**DrayTek Service Activation**

---

Service Name	Start Date	Expire Date	Status
Anti-Virus	---	---	Not Activated
Anti-Spam	2007-04-14	2007-05-15	CTCH

Please check if the license fits with the service provider of your signature. To ensure normal operation for your router, update your signature again is recommended.

**Copyright © DrayTek Corp. All Rights Reserved.**

Close

(Above figure supposes you have not activated Anti-Virus yet.)

9. Click **Close**.

Now, you have finished all the procedure for activating Anti-Spam service for your router.



---

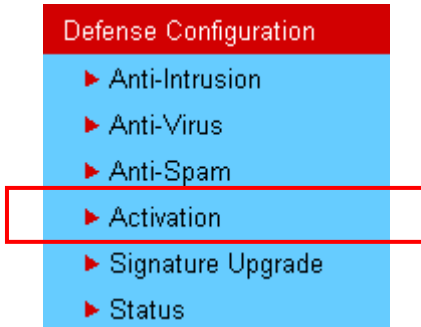
**Note:** You are allowed to use this version (with anti-spam feature) for 30 days after registration for your router. In addition, you will be informed with an e-mail before expire date of this version.

---

## Upgrade License for Anti-Spam

When thirty days for free of charge expires, you can apply for a new license by following the steps below:

1. Open a web browser on your PC and type **http://192.168.1.1**. A pop-up window will open to ask for username and password.
2. From the router's web page, please open **Defense Configuration >>Activate**. You will see the following web page.



3. Click the **Activate** link from Anti-Spam License to activate Anti-Spam service.

### Defense Configuration >> Activation

#### Anti-Intrusion/Anti-Virus License

[Status:Not Activated]

Service Activation	Activate
Anti-Intrusion/Anti-Virus Authentication Message	
<div style="border: 1px solid gray; height: 40px;"></div>	

#### Anti-Spam License

[Status:CTCH] [Start Date:2007-05-02 Expire Date:2007-06-02]

Service Activation	Activate
Anti-Spam Authentication Message	
<div style="border: 1px solid gray; padding: 5px;">Get new license successful, 2007-05-02 03:53:42</div>	

**Note:** If you want to use email alert or syslog, please configure the [SysLog/Mail Alert Setup](#) page.

4. A **Re-login** page will be shown on the screen. Please type the account and password that you created previously. And click **Login**.

This service is available for VigorPro member only. Please login to access VigorPro.  
If you are not one of the members of VigorPro, please create an account first.

**LOGIN**

UserName :

Password :

Auth Code :  

If you cannot read the word, click here

**Don't have a VigorPro Account ?**

[Create an account now](#)

If you are having difficulty logging in, contact our customer service.  
Customer Service : 886 3 597 2727 or  
email to [webmaster@dravtek.com](mailto:webmaster@dravtek.com)

- On the web page of **My Product**, you can find a list of the devices that you add with the above steps. Currently, you just have added VigorPro 5300. Please click the serial number link.

**Welcome, carrie**  
**Last Login Time :** 2006-08-16 17:08:25  
**Last Login From :** 218.174.234.195  
**Current Login Time :** 2006-08-16 17:13:51  
**Current Login From :** 218.174.234.195

RowNo :  PageNo :

**Your Devices**

Serial Number	Device Name	Model	Note
<a href="#">9999999999990</a>	carrie	VigorPro 5300	-

- From the **Device's Service** section, click the **Upgrade** buttons for AS (Anti-Spam) service.

**My Product** Search for this site

---

**Device Information**

**Nick Name :** carrie  
**Serial :** 999999999990  
**Model :** VigorPro 5300

**Device's Service**

Service	Action	Status	Start Date	Expired Date	Provider
AI-AV	<input type="button" value="Activate"/> <input type="button" value="Apply"/>	-	-	-	-
AS	<input style="border: 2px solid red;" type="button" value="Upgrade"/> <input type="button" value="Apply"/>	Installed	2007-05-02	2007-06-02	CTCH

**Action**

**Activate :** It allows the user to activate the service provider (DT-DT and DT-KL) dedicated to the router. If the record of the license key exists, the button "Upgrade" will show up instead.

**Apply :** It allows the user to adopt the selected service provider on the router. It also enables the user to switch one key to the other.

- In this page, type the License Number stated on the Anti-Spam license card in the field of **License Number**. Then, click **Add License**.

**My Product** Search for this site

---

**Apply For A License Number**

Service Name: **AS**

**STEP 1**

License Number:

**Tip :** To add a new License Number, be aware that it should come from the same Service Provider to avoid conflict.

**STEP 2**

Join It!! Join the **DrayTek promotion plan**

**STEP 3**

Activation Date (MM-DD-YYYY):

8. Now, the license number will be displayed on the page immediately. Click **Apply**.

**My Product** Search for this site

**Apply For A License Number**

Service Name: **AS**

**STEP 1**

License Number :

**Tip :** To add a new License Number, be aware that it should come from the same Service Provider to avoid conflict.

Flag	License	Provider	Status
<input type="button" value="del"/>	OCA90-4081A-5E89D-01120	CTCH	valid

**STEP 2**

Join It!! Join the **DrayTek promotion plan**

**STEP 3**

Activation Date (MM-DD-YYYY):

9. In this page, check the box of “**I have read and accept the above Agreement**”. The system will find out the date for you to activate this version of service. Then, click **Confirm**.

**Confirm Message**

User Name : carrie

Serial Number : 200705011001

Activate Date : 2007-06-03

Expired Date : 2008-06-02

License Number	Service Provider	Status
OCA90-4081A-5E89D-01120	CTCH	valid

End User License Agreement  
for Anti-Spam service on VigorPro router

Ver 1.0

PLEASE READ THIS SOFTWARE LICENSE AGREEMENT ("LICENSE") CAREFULLY BEFORE DOWNLOADING OR OTHERWISE USING THE SOFTWARE. BY DOWNLOADING, INSTALLING OR USING THE SOFTWARE, YOU ARE AGREEING TO BE BOUND BY THE TERMS OF THIS LICENSE. IF YOU DO NOT AGREE TO THE TERMS OF THIS LICENSE, YOU ARE NOT AUTHORIZED TO DOWNLOAD OR USE THIS

I have read and accept the above Agreement. (Please check this box).

10. Next, the DrayTek Service Activation screen will be shown as the following.

**DrayTek Service Activation**

---

Service Name	Start Date	Expire Date	Status
Anti-Virus	---	---	Not Activated
Anti-Spam	2007-06-03	2008-06-02	CTCH

Please check if the license fits with the service provider of your signature. To ensure normal operation for your router, update your signature again is recommended.

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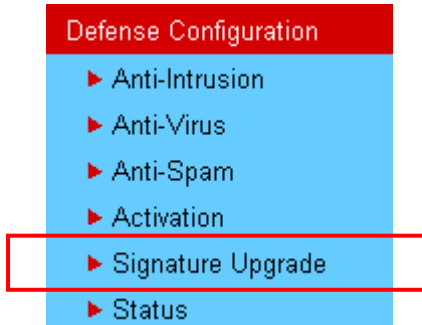
(Above figure supposes you have not activated Anti-Virus yet.)

11. Click **Close** to exit.

## 4.5 Backup and Upgrade Signature for Anti-Intrusion/Anti-Virus

You can get the most updated signature from DrayTek's server if the license key of anti-virus/anti-intrusion for the VigorPro 5300 is not expired. Before you upgrade the signature, please check the validation information either from WEB user interface of VigorPro 5300 or account information from [www.vigorpro.com](http://www.vigorpro.com).

1. Open a web browser on your PC and type **http://192.168.1.1**. A pop-up window will open to ask for username and password.
2. From the router's web page, please open **Defense Configuration >>Signature Upgrade**. You will see the following web page.



3. On **Signature Upgrade** web page, locate **Backup** and **Download Now!!!**.

**Defense Configuration >> Signature Upgrade**

---

**Signature Upgrade Setting**  
Signature Version : **basic**  
Signature Build Date : **Tue Aug 29 09:16:25.00 2006**

<b>Setup download server</b>	auto-selected	<a href="#">find more</a>
<b>Setup query server</b>	auto-selected	<a href="#">find more</a>

Signature authentication/download message:

**Upgrade Manually**

<input type="button" value="Import"/>	<input type="button" value="Backup"/>	<input type="button" value="Download Now !!!"/>
---------------------------------------	---------------------------------------	---

**Upgrade Automatically**

Scheduled Update

<input checked="" type="radio"/> Every:	1	(hour)	00	(minutes after the hour)		
<input type="radio"/> Daily:	0	(hour)	00	(minute)		
<input type="radio"/> Weekly:	Sunday	(day)	0	(hour)	00	(minute)



## Time for Backup

Before changing other license, it is suggested for you to backup the original signature first. To backup current signature information with the filename vigorpro.sig, click **Backup**.

## Time for Download

After changing other license, it is suggested for you to download newly update signature for your router. To download newly update anti-intrusion and anti-virus from VigorPro website, please click **Download Now!!!**.

## Time for Import

Backup files can be imported whenever you want. To use a saved signature information, please click **Import**.

In addition, users can specify certain time for executing the upgrade automatically by the router. Remember to check the **Schedule Update** box and click **OK** to activate the time settings.

## 4.6 Enabling Anti-Virus/Anti-Intrusion/Anti-Spam

After applying an account, registering your account and router, you have to access into the web page of Vigor router to enable Anti-Virus/Anti-Intrusion/Anti-Spam functions. There are two ways to enable it.

- A. For the default rule of firewall, please open **Firewall>>General Setup** page. Check the box of **Enable** for Anti-Intrusion and choose proper action (profile) from the drop down list of Anti-Virus and Anti-Spam. Next, click **OK** to finish the procedure of activation.

Firewall >> General Setup

### General Setup

<b>Call Filter</b>	<input checked="" type="radio"/> Enable <input type="radio"/> Disable	Start Filter Set	Set#1
<b>Data Filter</b>	<input checked="" type="radio"/> Enable <input type="radio"/> Disable	Start Filter Set	Set#2
<b>Actions for default rule:</b>			
<b>Application</b>	<b>Action/Profile</b>	<b>Syslog</b>	
<b>Filter</b>	Pass	<input type="checkbox"/>	
<b>Codepage</b>	None	<input type="checkbox"/>	
<b>IM/P2P</b>	None	<input type="checkbox"/>	
<b>URL Content Filter</b>	None	<input type="checkbox"/>	
<b>Web Content Filter</b>	None	<input type="checkbox"/>	
<b>Anti-Virus</b>	None	<input type="checkbox"/>	
<b>Anti-Intrusion:</b>	<input type="checkbox"/> Enable	<input type="checkbox"/>	
<b>Anti-Spam</b>	None	<input type="checkbox"/>	
<input type="checkbox"/> Apply IP filter to VPN incoming packets			
<input checked="" type="checkbox"/> Accept large incoming fragmented UDP or ICMP packets ( for some games, ex. CS			
<input type="checkbox"/> Enable Transparent mode			

- B. For specified filter rule (there are twelve filter sets in Firewall, and each set is allowed to set seven filter rules), please check the box of **Enable** for Anti-Intrusion and choose proper action (profile) from the drop down list of Anti-Virus/Anti-Spam. Next, click **OK** to finish the procedure of activation.

Filter Set 1 Rule 1

Check to enable the Filter Rule

Comments: Block NetBios

Index(1-15) in **Schedule** Setup: [ ], [ ], [ ], [ ]

---

Direction: LAN -> WAN

Source IP: Any

Destination IP: Any

Service Type: TCP/UDP, Port: from 137~139 to any

Fragments: Don't Care

---

Application	Action/Profile	Syslog
Filter:	Pass If No Further Match	<input type="checkbox"/>
Branch to Other Filter Set:	None	
Codepage	ANSI(1252)-Latin I	
<b>IM/P2P:</b>	None	<input type="checkbox"/>
<b>URL Content Filter</b>	None	<input type="checkbox"/>
<b>Web Content Filter</b>	None	<input type="checkbox"/>
<b>Anti-Virus:</b>	None	<input type="checkbox"/>
<b>Anti-Intrusion:</b>	<input type="checkbox"/> Enable	<input type="checkbox"/>
<b>Anti-Spam:</b>	None	<input type="checkbox"/>

If you **do not** check the Anti-Intrusion box and choose a proper profile for Anti-Virus/Anti-Spam, you still **cannot use** the Anti-Intrusion/Anti-Virus/Anti-Spam function even if you finished all the relational profiles configuration.

## 5. Trouble Shooting

This section will guide you to solve abnormal situations if you cannot access into the Internet after installing the router and finishing the web configuration. Please follow sections below to check your basic installation status stage by stage.

- Checking if the hardware status is OK or not.
- Checking if the network connection settings on your computer are OK or not.
- Pinging the router from your computer.
- Checking if the ISP settings are OK or not.
- Backing to factory default setting if necessary.

If all above stages are done and the router still cannot run normally, it is the time for you to contact your dealer for advanced help.

### 5.1 Checking If the Hardware Status Is OK or Not

Follow the steps below to verify the hardware status.

1. Check the power line and WLAN/LAN cable connections. Refer to “**2.1 Hardware Installation**” for details.
2. Turn on the router. Make sure the **ACT LED** blink once per second and the correspondent **LAN LED** is bright.



3. If not, it means that there is something wrong with the hardware status. Simply back to “**2.1 Hardware Installation**” to execute the hardware installation again. And then, try again.

### 5.2 Checking If the Network Connection Settings on Your Computer Is OK or Not

Sometimes the link failure occurs due to the wrong network connection settings. After trying the above section, if the link is still failed, please do the steps listed below to make sure the network connection settings is OK.

## For Windows



---

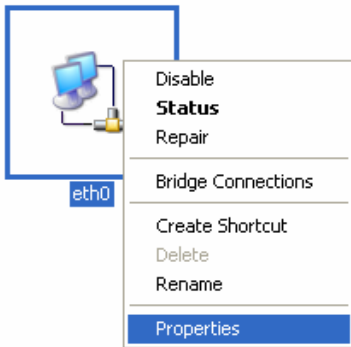
The example is based on Windows XP. As to the examples for other operation systems, please refer to the similar steps or find support notes in [www.draytek.com](http://www.draytek.com).

---

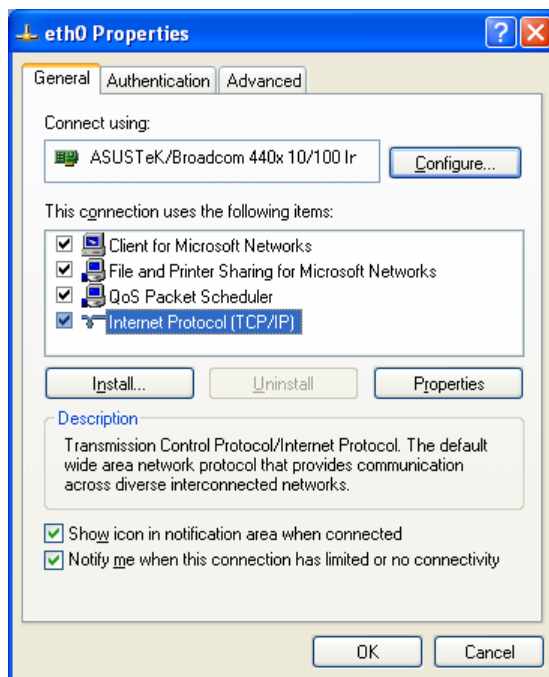
1. Go to **Control Panel** and then double-click on **Network Connections**.



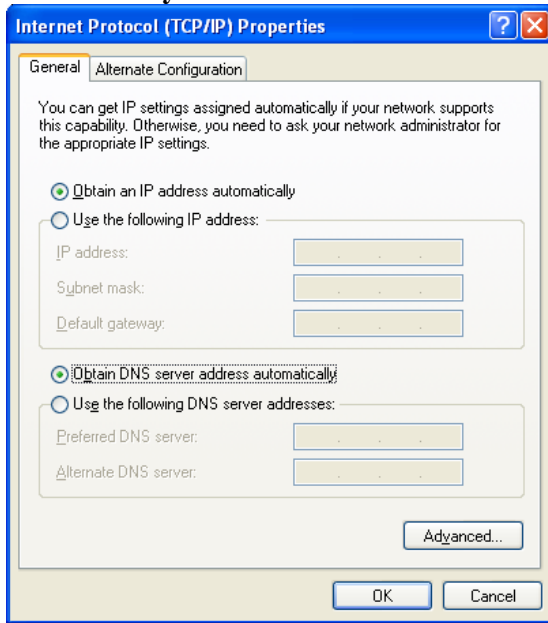
2. Right-click on **Local Area Connection** and click on **Properties**.



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

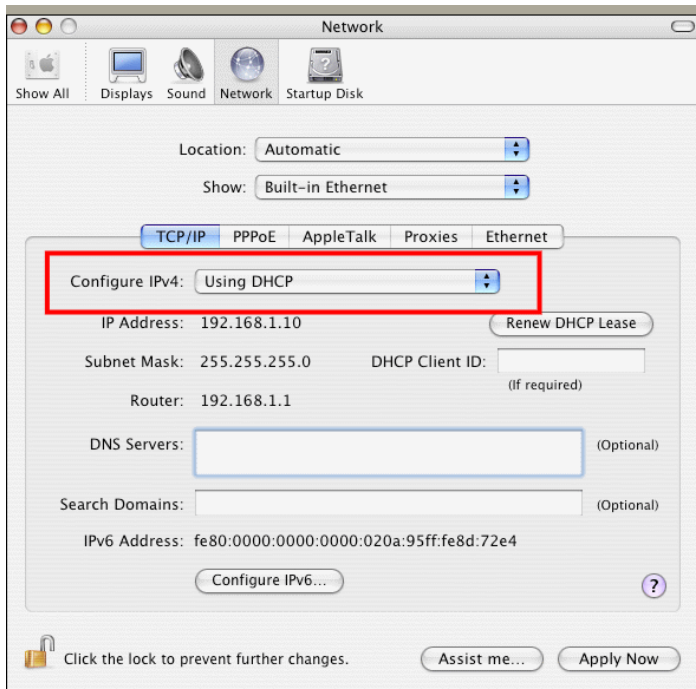


4. Select **Obtain an IP address automatically** and **Obtain DNS server address automatically**.



## For MacOs

1. Double click on the current used MacOs on the desktop.
2. Open the **Application** folder and get into **Network**.
3. On the **Network** screen, select **Using DHCP** from the drop down list of Configure IPv4.



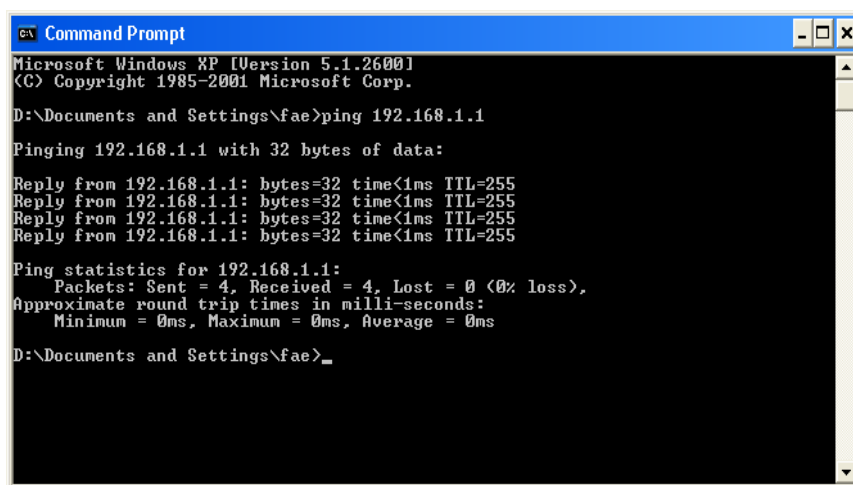
## 5.3 Pinging the Router from Your Computer

The default gateway IP address of the router is 192.168.1.1. For some reason, you might need to use “ping” command to check the link status of the router. **The most important thing is that the computer will receive a reply from 192.168.1.1.** If not, please check the IP address of your computer. We suggest you setting the network connection as **get IP automatically**. (Please refer to the section 5.2)

Please follow the steps below to ping the router correctly.

### For Windows

1. Open the **Command Prompt** window (from **Start menu> Run**).
2. Type **command** (for Windows 95/98/ME) or **cmd** (for Windows NT/ 2000/XP). The DOS command dialog will appear.



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

D:\Documents and Settings\fae>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

D:\Documents and Settings\fae>_
```

3. Type **ping 192.168.1.1** and press [Enter]. If the link is OK, the line of “**Reply from 192.168.1.1:bytes=32 time<1ms TTL=255**” will appear.
4. If the line does not appear, please check the IP address setting of your computer.

### For MacOs (Terminal)

1. Double click on the current used MacOs on the desktop.
2. Open the **Application** folder and get into **Utilities**.
3. Double click **Terminal**. The Terminal window will appear.
4. Type **ping 192.168.1.1** and press [Enter]. If the link is OK, the line of “**64 bytes from 192.168.1.1: icmp\_seq=0 ttl=255 time=xxxx ms**” will appear.

```

Terminal — bash — 80x24
Last login: Sat Jan 3 02:24:18 on ttty1
Welcome to Darwin!
Vigor10:~ 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=0.755 ms
64 bytes from 192.168.1.1: icmp_seq=1 ttl=255 time=0.697 ms
64 bytes from 192.168.1.1: icmp_seq=2 ttl=255 time=0.716 ms
64 bytes from 192.168.1.1: icmp_seq=3 ttl=255 time=0.731 ms
64 bytes from 192.168.1.1: icmp_seq=4 ttl=255 time=0.72 ms
^C
--- 192.168.1.1 ping statistics ---
5 packets transmitted, 5 packets received, 0% packet loss
round-trip min/avg/max = 0.697/0.723/0.755 ms
Vigor10:~ draytek$

```

## 5.4 Checking If the ISP Settings are OK or Not

Click **WAN>>Internet Access** group and then check whether the ISP settings are set correctly.

WAN >> Internet Access

**Internet Access**

Index	Display Name	Physical Mode	Access Mode	
WAN1		Ethernet	Static or Dynamic IP	Details Page
WAN2		Ethernet	Static or Dynamic IP	Details Page

### For PPPoE Users

1. Check if the **Enable** option for PPPoE Link is selected.
2. Check if **Username** and **Password** are entered with correct values that you **got from your ISP**.

WAN >> Internet Access

**WAN 1**

<p><b>PPPoE Client Mode</b></p> <p><input checked="" type="radio"/> Enable <input type="radio"/> Disable</p>	<p><b>PPP/MP Setup</b></p> <p>PPP Authentication: PAP or CHAP</p> <p>Idle Timeout: -1 second(s)</p>
<p><b>ISP Access Setup</b></p> <p>Username: admin</p> <p>Password: ●●●●●●</p>	<p><b>IP Address Assignment Method (IPCP)</b></p> <p>WAN IP Alias</p> <p>Fixed IP: <input type="radio"/> Yes <input checked="" type="radio"/> No (Dynamic IP)</p> <p>Fixed IP Address: <input type="text"/></p>
<p>Index(1-15) in <b>Schedule</b> Setup:</p> <p>=&gt; <input type="text"/>, <input type="text"/>, <input type="text"/>, <input type="text"/></p> <p><b>ISDN Dial Backup Setup</b></p> <p>Dial Backup Mode: None</p>	<p><input checked="" type="radio"/> Default MAC Address</p> <p><input type="radio"/> Specify a MAC Address</p> <p>MAC Address: 00 . 50 . 7F . 22 . 33 . 45</p>

OK Cancel

## For Static IP/DHCP Users

1. Check if the **Enable** option for Static or Dynamic IP is selected.

WAN >> Internet Access

---

WAN 1

<p><b>Static or Dynamic IP (DHCP Client)</b></p> <p><input checked="" type="radio"/> Enable <input type="radio"/> Disable</p>	<p><b>WAN IP Network Settings</b> <span>WAN IP Alias</span></p> <p><input type="radio"/> Obtain an IP address automatically</p> <p>Router Name <input type="text"/> *</p> <p>Domain Name <input type="text"/> *</p> <p>* : Required for some ISPs</p> <p><input checked="" type="radio"/> <b>Specify an IP address</b></p> <p>IP Address <input type="text" value="172.16.3.229"/></p> <p>Subnet Mask <input type="text" value="255.255.0.0"/></p> <p>Gateway IP Address <input type="text" value="172.16.3.4"/></p> <p><input checked="" type="radio"/> Default MAC Address</p> <p><input type="radio"/> Specify a MAC Address</p> <p>MAC Address:</p> <p><input type="text" value="00"/> <input type="text" value=".50"/> <input type="text" value=".7F"/> <input type="text" value=":22"/> <input type="text" value=".33"/> <input type="text" value=".45"/></p> <p><b>DNS Server IP Address</b></p> <p>Primary IP Address <input type="text"/></p> <p>Secondary IP Address <input type="text"/></p>
<p><b>Keep WAN Connection</b></p> <p><input type="checkbox"/> Enable PING to keep alive</p> <p>PING to the IP <input type="text"/></p> <p>PING Interval <input type="text" value="0"/> minute(s)</p>	
<p><b>WAN Connection Detection</b></p> <p>Mode <input type="text" value="ARP Detect"/></p> <p>Ping IP <input type="text"/></p> <p>TTL: <input type="text"/></p>	
<p><b>RIP Protocol</b></p> <p><input type="checkbox"/> Enable RIP</p>	

2. Check if **IP Address**, **Subnet Mask** and **Gateway** are set correctly (must identify with the values from your ISP) if you choose **Specify an IP address**.

## For PPTP Users

1. Check if the **Enable** option for PPTP Link is selected. And check the IP address for the PPTP Server.

WAN >> Internet Access

---

WAN 1

<p><b>PPTP Client Mode</b></p> <p><input checked="" type="radio"/> Enable <input type="radio"/> Disable</p> <p>PPTP Server <input type="text" value="10.0.0.138"/></p>	<p><b>PPP Setup</b></p> <p>PPP Authentication <input type="text" value="PAP or CHAP"/></p> <p>Idle Timeout <input type="text" value="-1"/> second(s)</p> <p><b>IP Address Assignment Method (IPCP)</b> <span>WAN IP Alias</span></p> <p>Fixed IP: <input type="radio"/> Yes <input checked="" type="radio"/> No (Dynamic IP)</p> <p>Fixed IP Address <input type="text"/></p> <p><b>WAN IP Network Settings</b></p> <p><input type="radio"/> Obtain an IP address automatically</p> <p><input checked="" type="radio"/> <b>Specify an IP address</b></p> <p>IP Address <input type="text" value="10.0.0.150"/></p> <p>Subnet Mask <input type="text" value="255.0.0.0"/></p>
<p><b>ISP Access Setup</b></p> <p>Username <input type="text"/></p> <p>Password <input type="text"/></p> <p>Index(1-15) in <b>Schedule</b> Setup:</p> <p>=&gt; <input type="text"/>, <input type="text"/>, <input type="text"/>, <input type="text"/></p> <p><b>ISDN Dial Backup Setup</b></p> <p>Dial Backup Mode <input type="text" value="None"/></p>	

2. Check if **IP Address** and **Subnet Mask** are set correctly (must identify with the values from your ISP) if you choose **Specify an IP address**.



## 5.5 Backing to Factory Default Setting If Necessary

Sometimes, a wrong connection can be improved by returning to the default settings. Try to reset the router by software or hardware.

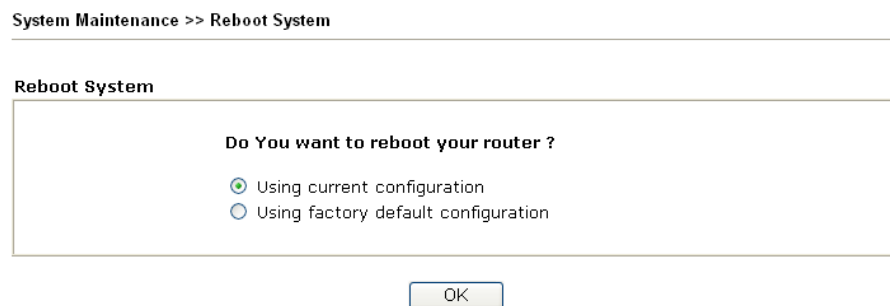


**Warning:** After pressing **factory default setting**, you will lose all settings you did before. Make sure you have recorded all useful settings before you pressing. The password of factory default is null.

### Software Reset

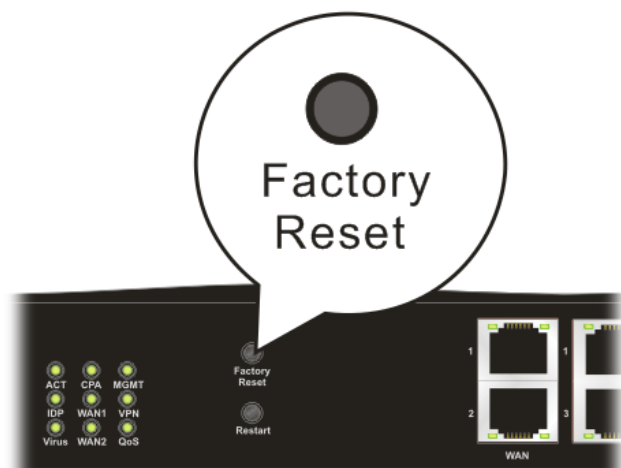
You can reset the router to factory default via Web page.

Go to **System Maintenance** and choose **Reboot System** on the web page. The following screen will appear. Choose **Using factory default configuration** and click **OK**. After few seconds, the router will return all the settings to the factory settings.



### Hardware Reset

While the router is running (ACT LED blinking), press the **RST** button and hold for more than 5 seconds. When you see the **ACT** LED blinks rapidly, please release the button. Then, the router will restart with the default configuration.



After restore the factory default setting, you can configure the settings for the router again to fit your personal request.

## 5.6 Contacting Your Dealer

If the router still cannot work correctly after trying many efforts, please contact your dealer for further help right away. For any questions, please feel free to send e-mail to [support@draytek.com](mailto:support@draytek.com).