

Vigor2900 Series Broadband Security Router

Highly integrated broadband security router, combining high-speed routing technology with a comprehensive security suite of firewall, VPN, URL content filtering facilities, as well as bandwidth management capability, print-server, and secure wireless access point



WAN/Internet

- One 10/100M Base-TX port with a RJ-45 connector
- DHCP client for cable service
- Static IP address assignment for fixed IP networks
- PPPoE/PPTP client for ADSL service

LAN

- 4 port 10/100 Base-TX Ethernet switch
- DHCP server for IP assignment (up to 253 users)
- DNS cache and proxy
- NAT (Network Address Translation)
- Virtual server via port redirection or open port feature
- VLAN support
- Port-based rate throttling capability

Printer Server

- One USB port connector
- Built-in LPD printer server
- Support for Win98/98SE/ME LPR printer
- Compatible with Win2000/XP/MacOS 9/MacOS X built-in LPR printer driver

Wireless Access Point

(Vigor 2900Gi & Vigor 2900G only)

- 802.11g support (54Mbps data rate)
- Twin high-gain antennas to give best coverage and diversity
- Backward compatible with 802.11b device
- Wireless security
 1. Secure VPN over WLAN
 2. WPA Support
 3. 802.1x User Authentication
 4. 64/128 bits WEP wireless encryption
 5. Client MAC-address locking
 6. SSID stealthing

Firewall Facilities

- Automatic Keep-state facility
- Selectable DoS/DDoS protection
- IP address anti-spoofing
- User-configurable packet filtering
- NAT/PAT with Port Forwarding/Redirection & DMZ
- E-mail alerting mechanism

Virtual Private Network (VPN) Facilities

- High performance VPN device
- Up to 32 simultaneous VPN tunnels
- Dial-in or dial-out, LAN-to-LAN or Teleworker-to-LAN
- Protocol support for PPTP, IPSec, L2TP, L2TP over IPSec
- Encryption support for AES, MPPE, and hardware-based DES/3DES
- Authentication support for MD5 and SHA-1
- IKE key management
- Interoperable with other leading 3rd party vendor VPN devices or software

Flexible URL Content Filtering

- Block URL (web-site) by user-defined keywords
- Preclude web surfing from using directly IP address
- Block automatic download of Java applets and Active X controls
- Block web site cookies and proxy
- Block http downloads of file types: Executable/Compressed/Multi-media
- Support time schedule to control the restrictions and regular Internet access

Bandwidth Management facilities

- Class-based bandwidth guarantee by user-defined traffic categories
- Provision of inbound/outbound bandwidth control
- Support of eight Priority-Levels
- Support of DiffServ-Codepoint marking

Application Support

- Windows Messenger, Yahoo Messenger, MSN Messenger V6.0, NetMeeting, ICQ2001b/2002a, most online gaming, and other multimedia applications
- UPnP protocol support

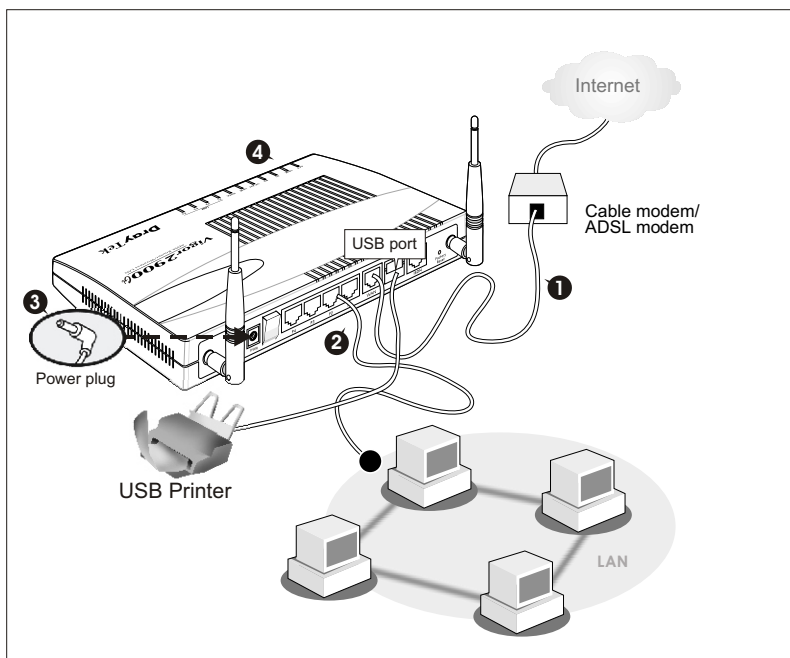
ISDN Facilities

- Compatible with Euro ISDN
- Uses ISDN for shared Internet access (dial-on-demand)
- Support for 64Kb/s and 128Kb/s (Multilink-PPP)
- Automatic ISDN backup
- Bandwidth-on-demand (automatically switches between 64Kb/s and 128Kb/s)
- Direct ISDN Dial-up LAN-to-LAN connectivity (to another ISDN site) and VPN
- Remote 'teleworker' direct dial-in access to your LAN (from a remote ISDN line)
- Remote activation of Internet dial-up

Router Management

- Web-based User Interface
- Command Line Interface (Telnet)
- Telnet Remote Access Support
- SNMP Agent with MIB-II
- Built-in Diagnostic Function
- Remote Firmware Upgrade
- Quick Start Wizard
- Syslog Monitoring

1. Connect the Vigor2900 Series Broadband Security Router to Your Network



- 1 First, connect the WAN interface to the external ADSL/Cable modem with a RJ-45 cable.
- 2 Connect one port of 4-port switch to your computer with a RJ-45 cable.
- 3 Connect the powercord to the 9V AC port and the power source.
- 4 a. Check the system LEDs. System LED should blink.
b. Check the WAN and LAN LEDs to assure network connections.

Then open the Web browser (e.g. IE or Netscape) and enter IP address of the router into the address bar (i.e. <http://192.168.1.1>). Later, the Setup Wizard will automatically pop up on your computer screen.

The router will ask for a user name and password. There is none by default setting, so just leave them empty and press [OK]. Once the web configurator shows up, you can follow the Quick Start Wizard in Basic Setup Section to configure router quickly.

2. Use the Quick Start Wizard

Step 1

Enter login password.

Steps	Enter login password
<ol style="list-style-type: none"> 1. Enter login password 2. Select Time Zone 3. Connect to the Internet 4. Summary 	<p>There is no default password. For security, please choose a set of number or character (maximum 23 characters) as your password and enter it into the Password box.</p> <p>New Password <input type="text"/></p>
<p style="text-align: right;"> <input type="button" value="Back"/> <input type="button" value="Next"/> <input type="button" value="Finish"/> <input type="button" value="Cancel"/> </p>	

Then click **Next**.

Step 2

Select the appropriate time zone for your location.

Steps	Select Time Zone
<ol style="list-style-type: none"> 1. Enter login password 2. Select Time Zone 3. Connect to the Internet 4. Summary 	<p>Select the appropriate time zone for your location.</p> <p>Pacific Time (US & Canada) (GMT-8:00) ▾</p>
<p style="text-align: right;"> <input type="button" value="Back"/> <input type="button" value="Next"/> <input type="button" value="Finish"/> <input type="button" value="Cancel"/> </p>	

Then click **Next**.

Step 3

Select the appropriate connection type to connect to your ISP.

Steps	Connect to the Internet
<ol style="list-style-type: none"> 1. Enter login password 2. Select Time Zone 3. Connect to the Internet 4. Summary 	<p>Select one of the following Internet Access type provided by your ISP. If you are not sure which one you should choose, please contact your ISP to get these information in detail.</p> <p> <input type="radio"/> DHCP <input type="radio"/> PPPoE <input type="radio"/> Static IP <input type="radio"/> PPTP </p>
<p style="text-align: right;"> <input type="button" value="Back"/> <input type="button" value="Next"/> <input type="button" value="Finish"/> <input type="button" value="Cancel"/> </p>	

a. DHCP

If you selected DHCP, this screen will appear.

The screenshot shows the 'Connect to the Internet' configuration page. On the left, a 'Steps' sidebar lists: 1. Enter login password, 2. Select Time Zone, 3. Connect to the Internet - DHCP (highlighted), and 4. Summary. The main area contains the following fields: 'Host Name' with 'V2900' entered and '(optional)' text; 'MAC' address fields with '00', '50', '7F', '7F', '7F', '7F' entered and '(optional)' text; and a 'Clone MAC Address' button. At the bottom are 'Back', 'Next', 'Finish', and 'Cancel' buttons.

Then click **Next** and go to Setp 4.

b. PPPoE

If your ISP uses PPPoE (Point-to-Point Protocol over Ethernet), then select PPPoE. Once PPPoE is selected, you will see this screen. Enter the username and password provided by your ISP.

The screenshot shows the 'Connect to the Internet' configuration page for PPPoE. The 'Steps' sidebar highlights '3. Connect to the Internet - PPPoE'. The main area contains: 'User Name' and 'Password' fields, both with 'juyek' entered; 'Connection Type' with 'Always On' selected via a radio button; 'Dial On Demand' with an unselected radio button; and an 'Idle Timeout' field. At the bottom are 'Back', 'Next', 'Finish', and 'Cancel' buttons.

Then click **Next** and go to Setp 4.

c. Static IP

If Static IP is selected, then this screen will appear. Enter the IP address information originally provided by your ISP.

The screenshot shows the 'Connect to the Internet' configuration page for Static IP. The 'Steps' sidebar highlights '3. Connect to the Internet - Static IP'. The main area contains: 'WAN IP' (172, 16, 2, 20); 'Subnet Mask' (255, 255, 255, 0); 'Gateway' (172, 16, 2, 0); 'Primary DNS' (168, 56, 1, 1); and 'Secondary DNS' (168, 56, 192, 1) with '(optional)' text. At the bottom are 'Back', 'Next', 'Finish', and 'Cancel' buttons.

Then click **Next** and go to Setp 4.

d. PPTP

If your ISP uses PPTP, then select this option. Once PPTP is selected, this screen will appear. Fill out all the information originally provided by your ISP.

Steps	Connect to the Internet
1. Enter login password	Enter the user name, password, WAN IP configurations and PPTP server IP provided by your ISP.
2. Select Time Zone	
3. Connect to the Internet - PPTP	
4. Summary	
	User Name <input type="text" value="jcytek"/> Password <input type="text" value="jcytek"/> WAN IP Configurations <input checked="" type="checkbox"/> Obtain an IP address automatically <input type="checkbox"/> Specify an IP address IP Address <input type="text"/> <input type="text"/> <input type="text"/> <input type="text"/> Subnet Mask <input type="text"/> <input type="text"/> <input type="text"/> <input type="text"/> PPTP Server IP <input type="text"/> <input type="text"/> <input type="text"/> <input type="text"/>
<input type="button" value="Back"/> <input type="button" value="Next"/> <input type="button" value="Finish"/> <input type="button" value="Cancel"/>	

Then click **Next** and go to Setp 4.

Setp 4

This screen appears to indicate that your setup is complete. Click **Finish** and then restart the router. Afterward, you will enjoy surfing on the Internet.

Steps	Summary
1. Enter login password	Please find your settings : Internet Access : DHCP Time Zone : Central Time (US & Canada) (GMT-6:00)
2. Select Time Zone	
3. Connect to the Internet	
4. Summary	
	Click Back to modify changes if necessary. Otherwise, click Finish to save the current settings and restart the Vigor2900.
<input type="button" value="Back"/> <input type="button" value="Next"/> <input type="button" value="Finish"/> <input type="button" value="Cancel"/>	

For more information, please refer to the detailed manual in the provided DrayTek CD. If you have further questions, please contact your local DrayTek dealer, or refer to our support via E-mail, Fax or phone. You may also find the latest product information and feature at our website: <http://www.draytek.com.tw>.

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