P-660H-T Series

ADSL2+ 4-port Security Gateway

P-660HW-T Series

802.11g Wireless ADSL2+ 4-port Security Gateway

# Quick Start Guide

ZyXEL

Overview

The P-660HW-T is an ADSL Internet gateway with IEEE 802.11g wireless capability and a 4-port built-in switch. The P-660H-T is an ADSL Internet gateway with a 4-port built-in switch. You may need your Internet access information. Both model series are referred to as the "Prestige" in this guide.

See your User's Guide for background information on all features. This guide is divided into the following sections.

1 Hardware Connections

2 Configuration for Internet Access

3 Wireless Configuration (P-660HW-T only)
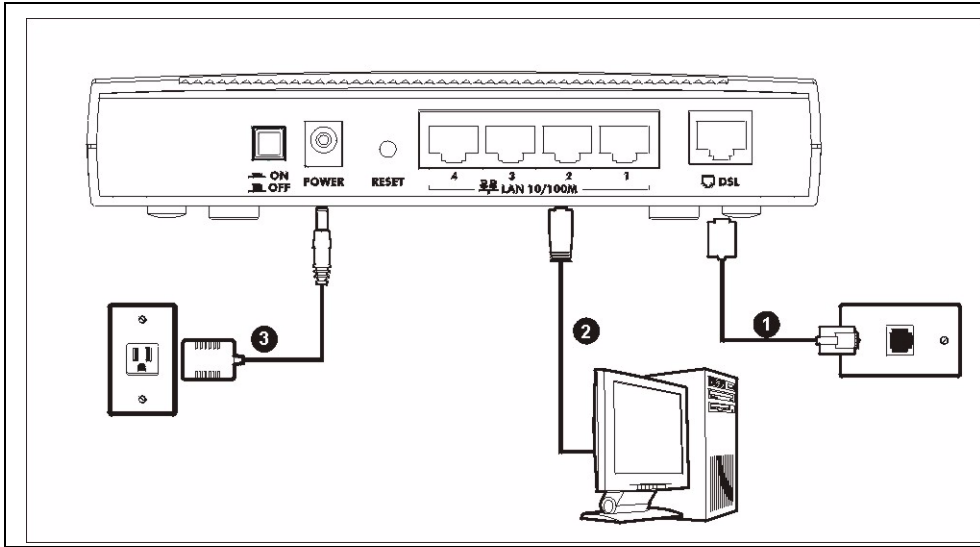
4 NAT

5 Firewall

6 Troubleshooting

1 Hardware Connections

You need the following before you start.

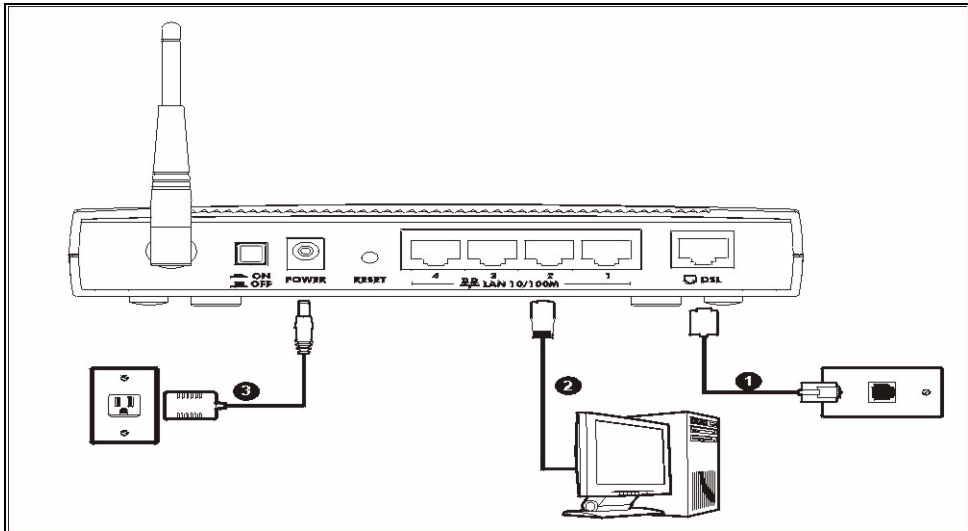| Prestige	Computer(s)	Ethernet Cable	Telephone Cable	Power Adaptor
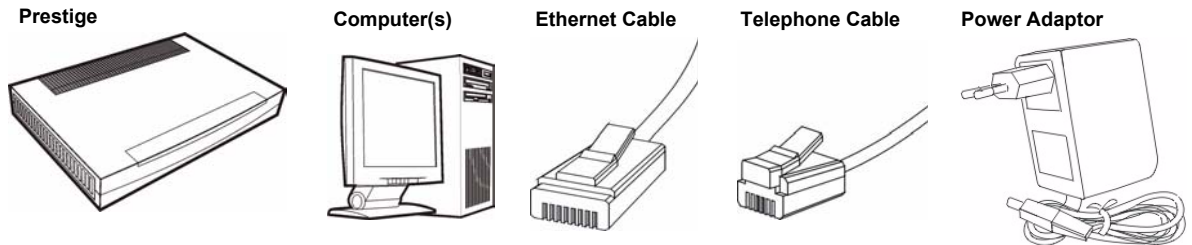
The rear panels of both Prestiges are the same, except the P-660HW-T has an additional wireless antenna.

P-660H-T Series

P-660HW-T Series

1 DSL: Connect the Prestige to a telephone jack using a telephone wire.

2 LAN: Use an Ethernet cable to connect a computer to a LAN 10/100M port for initial configuration and/or Internet access.

3 POWER: Use the included power adaptor to connect the POWER socket to an appropriate power source (see the User's Guide for power adaptors specifications by region).

After you've made the connections, push in the power button to turn on the Prestige. Look at the front panel LEDs. The **PWR/SYS** LED blinks while performing system testing. The **PWR/SYS** and/or **WLAN** LEDs then turn steady on if the testing is successful. The **LAN** LED turns on if the LAN port is properly connected.

2 Configuration for Internet Access

You may configure the Prestige for Internet access in any *one* of these ways:

- Configuration Genie
- Zero Configuration
- Web Configurator Internet Access Wizard

2.1 Configuration Genie

- From the included CD, click "Multimedia Auto Provisioner" (the installation and configuration assistant) and then click "Installation Tutorial". After you've viewed the tutorial, click "Configuration Genie" at the end of the installation tutorial or from "Multimedia Auto Provisioner" in the CD.

2.2 Zero Configuration

Launch your web browser and navigate to any web site (for example, www.zyxel.com). The Prestige automatically detects and configures your Internet connection. This may take about two minutes.

If you have a **PPPoE** or **PPPoA** connection, a screen displays prompting you to enter your

Enter the system password and username and password exactly as your ISP assigned them.

System Password	
User Name	
Password	

Apply

Internet account information. Enter the username, password and/or service name exactly as provided. Click **Apply**.

2.3 Accessing the Web Configurator

1 Launch your web browser. Enter "192.168.1.1" as the web site address.

File   Edit   View   Favorites   Tools   Help

Address   http://192.168.1.1/
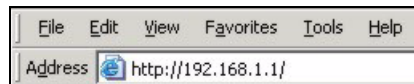
Note: If you do not see the next screen, then please read

2 Click **Login**.
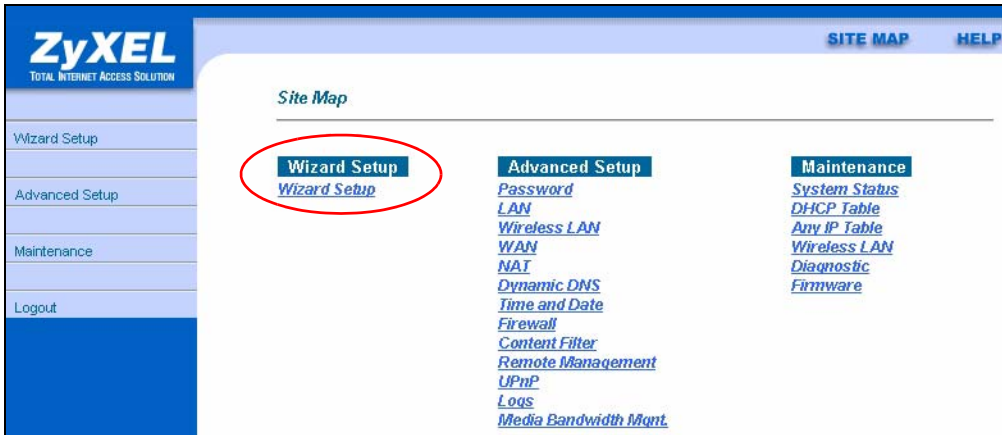
Enter Password and click Login.

Password: ‌‌‌‌

Login   Cancel
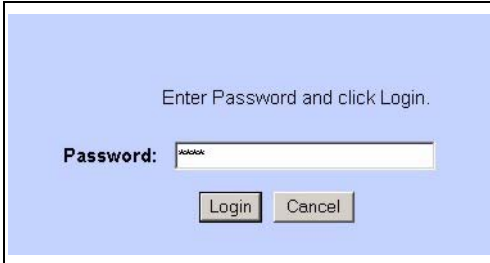
3 Type a new password (retype it to confirm) and click **Apply**. Otherwise click **Ignore**. You then see the main web configurator screen

Use this screen to change the password.

We recommend that you personalize the system administrator password by changing it to something besides the default '1234'.

The administrator password should must be between 1 - 30 characters.

New Password:

Retype to Confirm:

Apply   Ignore
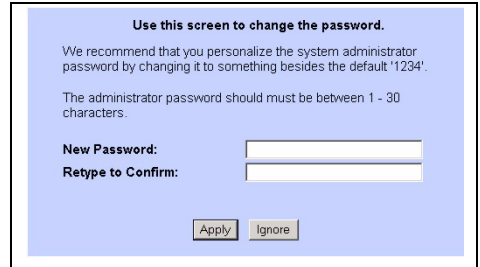
4 In the **MAIN MENU** screen, click **WIZARD SETUP**. The P-660H-T main screen is the same as this P-660HW-T one, but it does not have a wireless LAN link.

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TOTAL INTERNET ACCESS SOLUTION

SITE MAP   HELP

Wizard Setup

Advanced Setup

Maintenance

Logout

Site Map

Wizard Setup
Wizard Setup

Advanced Setup
Password
LAN
Wireless LAN
WAN
NAT
Dynamic DNS
Time and Date
Firewall
Content Filter
Remote Management
UPnP
Logs
Media Bandwidth Mgnt.

Maintenance
System Status
DHCP Table
Any IP Table
Wireless LAN
Diagnostic
Firmware

2.3.1 Internet Access Setup

Note: Enter the Internet access information given to you by your ISP exactly in each wizard screen and then click **Next** to continue or click **Back** to return to the previous screen.

Screen information is not saved when you click **Back**.

1 From the **Mode** drop-down list box, select **Routing** (default) if you want to use routing features such as NAT.

Wizard Setup - ISP Parameters for Internet Access

Mode	Routing
Encapsulation	PPPoA
Multiplex	LLC
Virtual Circuit ID	
VPI	8
VCI	35

Next

2 The next wizard screen varies depending on the **Encapsulation** you chose in the first wizard screen. From the **Network Address Translation** drop-down list box, select **SUA Only** if you have one public IP address, **Full Feature** if you have more than one public IP address (for translation) or **None** to disable NAT.

• **PPPoE**.

Select **Connect on Demand** when you don't want the connection up all the time and specify an idle time-out period (in seconds) in the **Max. Idle Timeout** field.

Wizard Setup - ISP Parameters for Internet Access

Service Name
User Name
Password

IP Address
○ Obtain an IP Address Automtically
○ Static IP Address
 0.0.0.0

Connection
○ Connect on Demand: Max Idle Timeout 0 Secs
○ Nailed-Up Connection

Network Address Translation
SUA Only

Back   Next

Select **Nailed-Up Connection** when you want your connection up all the time. The Prestige will try to bring up the connection automatically if it is disconnected.

• **ENET ENCAP**

Wizard Setup - ISP Parameters for Internet Access

IP Address
○ Obtain an IP Address Automtically
○ Static IP Address
 IP Address 0.0.0.0
 Subnet Mask 0.0.0.0
 ENET ENCAP Gateway 0.0.0.0

Network Address Translation
SUA Only

Back   Next

Note: You will only see the next two screens in **Routing** mode.

• **PPPoA**

Wizard Setup - ISP Parameters for Internet Access

User Name
Password

IP Address
○ Obtain an IP Address Automtically
○ Static IP Address
  0.0.0.0

Connection
○ Connect on Demand: Max Idle Timeout 0 Secs
○ Nailed-Up Connection

Network Address Translation
SUA Only ▼

Back   Next

• **RFC1483**

Wizard Setup - ISP Parameters for Internet Access

IP Address   0.0.0.0

Network Address Translation
SUA Only ▼

Back   Next

3 Verify your LAN and WAN settings.

To change the LAN settings, click **Change LAN Configuration**; otherwise click **Save Settings** to save the configuration and go to the final wizard screen.If you change the Prestige's LAN IP address, you must use the new IP address if you want to access the web configurator again.

Wizard Setup - ISP Parameters for Internet Access

WAN Information:
Mode: **Routing**
Encapsulation: **PPPoE**
Mutiplexing: **LLC**
VPI/VCI: **8/35**
Service Name:
User Name: **user@isp.ch**
Password: ********
IP Address: **Obtain an IP Address Automatically**
NAT: **SUA Only**
Connect on Demand: **Max Idle Timeout 1500 Secs.**

LAN Information:
IP Address: **192.168.1.1**
IP Mask: **255.255.255.0**
DHCP: **ON**
Client IP Pool Stating Address: **192.168.1.33**
Size of Client IP Pool: **32**

Change LAN Configuration

Save Settings

4 Click **Save Settings** in the screen shown in step 3 to go to the final wizard screen.The Prestige automatically tests the connection to the computer(s) connected to the LAN port. To test the connection from the Prestige to the ISP, click **Start Diagnose**. Otherwise click **Return to Main Menu** to go back to the main screen.

Wizard Setup - ISP Parameters for Internet Access

LAN connections
Test your Ethernet Connection   **PASS**

WAN connections
Test ADSL synchronization   **PASS**
Test ADSL(ATM OAM) loopback test   **PASS**
Test PPP/PPPoE server connection   **PASS**
Ping default gateway   **PASS**

Start Diagnose   Return to Main Menu

3 Wireless Configuration (P-660HW-T only)

WPA-PSK encryption is preferred to WEP because it has user authentication and improved data encryption. If you don't have WPA-capable wireless clients, configure WEP encryption.
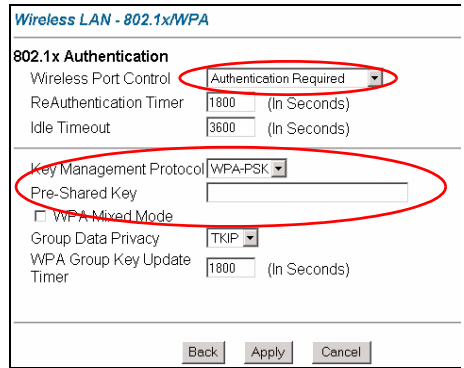
Note: Wireless clients and the Prestige must use the same SSID, channel ID, WEP or WPA-PSK key (if enabled).

**1** Click the **Wireless LAN** link under **Advanced Setup.**
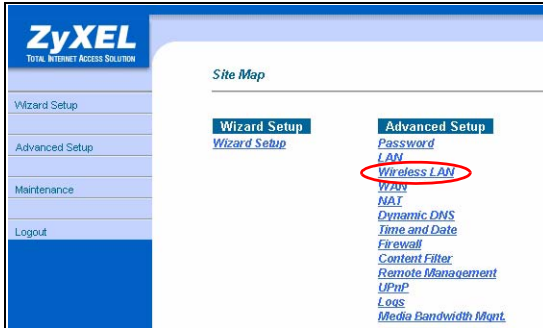
2 Click **802.1x/WPA**.

Select **Authentication Required**, then select **WPA-PSK** and then type a **Pre-shared Key**.

3 Click **Advanced Setup**, **Wireless LAN, Wireless**. In the **ESSID** field, enter up to 32 printable characters to uniquely identify the Prestige. If you didn't configure **WPA-PSK**, configure **WEP** in this screen (not visible if you've configured **WPA-PSK**).
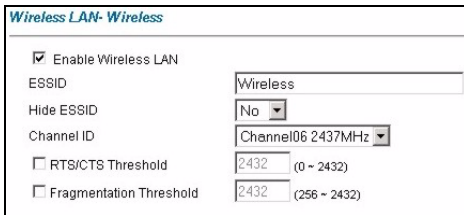
4 NAT

NAT (Network Address Translation - NAT, RFC 1631) means the translation of an IP address in one network to a different IP address in another. For example, you could translate one public IP address to multiple private IP addresses on your LAN (SUA Only).

Click **Advanced Setup** and then **NAT** to open the **NAT-Mode** screen. Select **SUA Only** if you have one public IP address and **Full Feature** if you have multiple public IP addresses (for address translation).
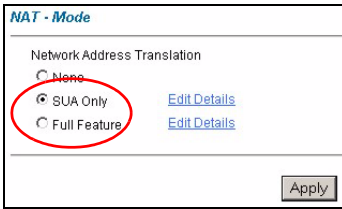

If you have servers on your LAN, configure an SUA server set to have them visible to the outside. From the **NAT - Mode** screen click **Edit Details** and fill in the fields as shown.
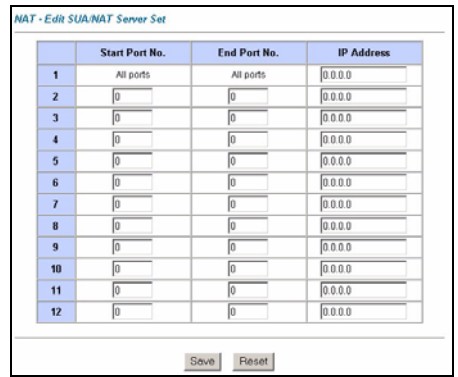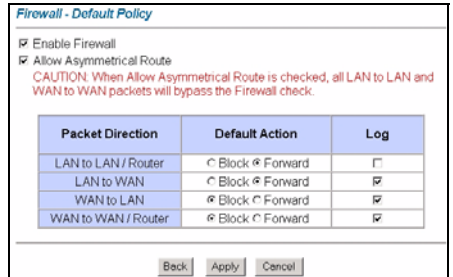

5 Firewall

The firewall is already enabled by default on the Prestige.

Click **Advanced Setup** and then **Firewall** to open the firewall screen. The firewall protects your LAN from attacks from the Internet. No traffic can enter your LAN unless a request was generated on the LAN first.
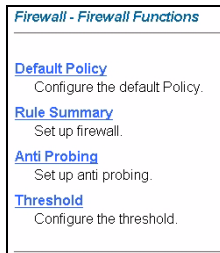
Click **Default Policy** to see rule direction information. You can also disable the firewall here if you want.

6 Troubleshooting

PROBLEM	CORRECTIVE ACTION
None of the LEDs turn on when you connect the Prestige's power.	Make sure that you have the correct power adaptor connected to the Prestige, it is plugged into an appropriate power source and the Prestige is turned on.
	Check all cable connections. If the LEDs still do not turn on, you may have a hardware problem. In this case, you should contact your local vendor.
Cannot access the Prestige from my computer.	Check the cable connection from your computer to the Prestige.
	Make sure your computer's IP address is in the same subnet as the Prestige's IP address (see Section 6.1 on page 10).
	Ping the Prestige from a computer on the LAN. Make sure your computer's Ethernet adapter is installed and functioning properly. In the computer, click **Start**, (**All) Programs**, **Accessories** and then **Command Prompt**. In the **Command Prompt** window, type "ping" followed by the Prestige's LAN IP address (192.168.1.1 is the default) and then press [ENTER]. The Prestige should reply; otherwise see Section 6.1 on page 10.
	If the Prestige's IP address has changed, then enter the new one as the URL.
	Use Internet Explorer 6.0 and later or Netscape Navigator 7.0 and later with JavaScript enabled.
	Make sure you enter the password correctly (the field is case sensitive).
	If you've forgotten the Prestige's password, use the **RESET** button. Press the button in for about 10 seconds (or until the **PWR/SYS** LED starts to blink), then release it. It returns the Prestige to the factory defaults (password is 1234, LAN IP address 192.168.1.1 etc.; see your User's Guide for details).
Cannot access the Internet.	Verify the Internet connection settings in the wizard. Make sure you have entered the correct user name and password if you are using **PPPoE** or **PPPoA**.
	For wireless clients, check that both the Prestige and wireless client(s) are using the same SSID, channel and WEP or WPA-PSK keys (if configured).

6.1 Set Up Your Computer's IP Address

This section shows you how to set your Windows NT/2000/XP computer to automatically get an IP address. This ensures that your computer can communicate with your Prestige. Refer to your User's Guide for detailed IP address configuration for other Windows and Macintosh computer operating systems.

1 In Windows XP, click **start**, **Control Panel**. In Windows 2000/NT, click **Start**, **Settings**, **Control Panel**.

2 In Windows XP, click **Network Connections**. In Windows 2000/NT, click **Network and Dial-up Connections**.

3 Right-click **Local Area Connection** and then click **Properties**.

4 Select **Internet Protocol (TCP/IP)** (under the **General** tab in Windows XP) and click **Properties**.

5 The **Internet Protocol TCP/IP Properties** screen opens (the **General tab** in Windows XP).

6 Select the **Obtain an IP address automatically** and **Obtain DNS server address automatically** options.

7 Click **OK** to close the **Internet Protocol (TCP/IP) Properties** window.

8 Click **Close** (**OK** in Windows 2000/NT) to close the **Local Area Connection Properties** window.

9 Close the **Network Connections** screen.

6.2 Viewing Your Product's Certifications

1 Go to www.zyxel.com.

2 Select your product from the drop-down list box on the ZyXEL home page to go to that product's page.

3 Select the certification you wish to view from this page.