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# **P-660R-T1/T3 v2**

ADSL2+ Access Router

## **Quick Start Guide**

Version 3.40

Edition 1

12/2006

The logo for ZyXEL, featuring the word "ZyXEL" in a bold, blue, sans-serif font. The "y" is lowercase and has a distinctive shape, while "XEL" is in all caps. The letters are closely spaced and have a slight shadow effect.

**ZyXEL**

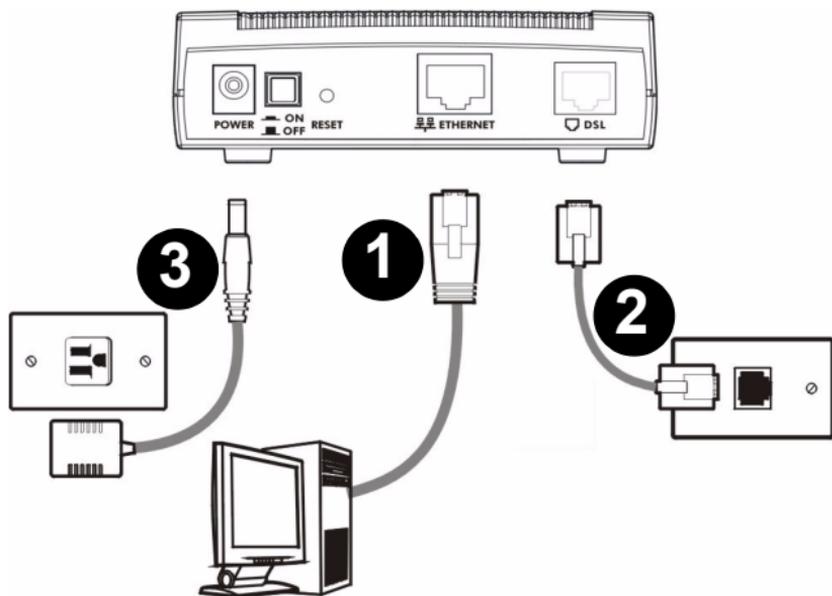
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## Overview

This Quick Start Guide shows you how to:

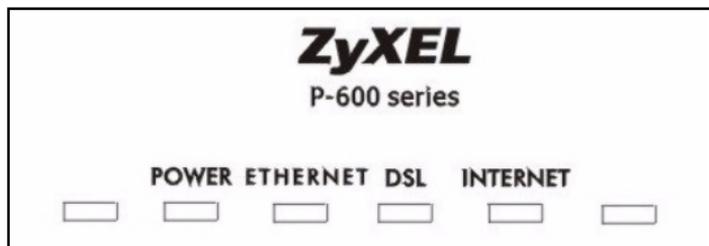
- 1 Connect the Hardware**      **2 Set Up Internet Access**

## 1 Connect the Hardware



- 1 ETHERNET:** Use an Ethernet cable to connect a computer to the **ETHERNET** port for Internet access.
- 2 DSL:** Use a telephone wire to connect your P-660R-T1/T3 v2's **DSL** port to a telephone jack (or to a splitter, if one is already installed).
- 3 POWER:** Use only the included power adaptor to connect the **POWER** socket to an appropriate power source.

After you've made the connections, push in the power button to turn on the P-660R-T1/T3 v2. Look at the LEDs.



- The **POWER** LED blinks while performing system testing. It then turns steady on if the testing is successful.
- The **DSL** LED blinks then turns steady on, and blinks when there is traffic.
- The **ETHERNET** LED turns on if the **ETHERNET** port is properly connected, and blinks when there is traffic.



If none of the LEDs are on, unplug the device and recheck your hardware connections.

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## 2 Set Up Internet Access

You can configure the P-660R-T1/T3 v2 for Internet access in any one of these ways:

**A: Configuration Genie.**

**B: Zero Configuration.**

**C: Web Configurator Internet Access Wizard.**

You can also view the connection status, see:

**D: View the Status Screen**

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Configuration Genie and Zero configuration are only able to configure the device automatically for Internet access if you are using **PPPoE**, **PPPoA** or **ENET ENCAP** encapsulation with a dynamically-assigned IP address from your ISP.

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If you are not using these Internet access settings, then use the **Web Configurator Internet Access Wizard** to manually configure the device.

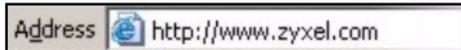
You will need your Internet access information such as user name and password, if provided by your ISP.

## **A: Configuration Genie**

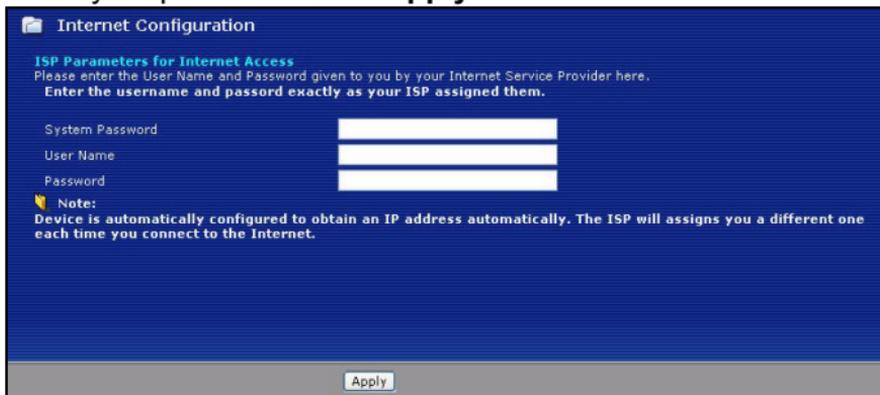
From the included CD, click **Setup, Multimedia Auto Provisioner** (the installation and configuration assistant) and then click **Installation Tutorial**. After you have viewed the tutorial, click **Configuration Genie** at the end of the installation tutorial or from **Multimedia Auto Provisioner** on the CD.

## B: Zero Configuration

Launch your web browser and navigate to any web site (for example, [www.zyxel.com](http://www.zyxel.com)). The P-660R-T1/T3 v2 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 Internet account information. Enter the username, password and/or system password exactly as provided. Click **Apply**.

A screenshot of a web-based configuration page titled 'Internet Configuration'. The background is dark blue. At the top left is a folder icon and the title. Below it is a sub-heading 'ISP Parameters for Internet Access' in red. A paragraph of text follows, asking for ISP-provided information. There are three white input fields: 'System Password', 'User Name', and 'Password'. A 'Note' section with a yellow warning icon contains text about automatic IP configuration. At the bottom center is a grey 'Apply' button.

Internet Configuration

**ISP Parameters for Internet Access**

Please enter the User Name and Password given to you by your Internet Service Provider here.  
**Enter the username and password exactly as your ISP assigned them.**

System Password

User Name

Password

**Note:**  
Device is automatically configured to obtain an IP address automatically. The ISP will assigns you a different one each time you connect to the Internet.

Apply

## C: Web Configurator Internet Access Wizard

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Enter the Internet access information given to you by your ISP exactly in each wizard screen. If not given, leave the fields set to the default.

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1 In your browser, go to <http://192.168.1.1>.

Address 

2 Enter the administrator password **1234**.

**ZyXEL**

P-660R-T3 v2

Welcome to your router Configuration Interface.

Enter your password and press enter or click "Login".

 Password:



If your browser cannot find this screen, see the **Troubleshooting** section.

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- 3** It is strongly recommended that you change the default password in the next screen. If you change it, you will not see this screen the next time you log in.



**ZyXEL**

Use this screen to change the password.

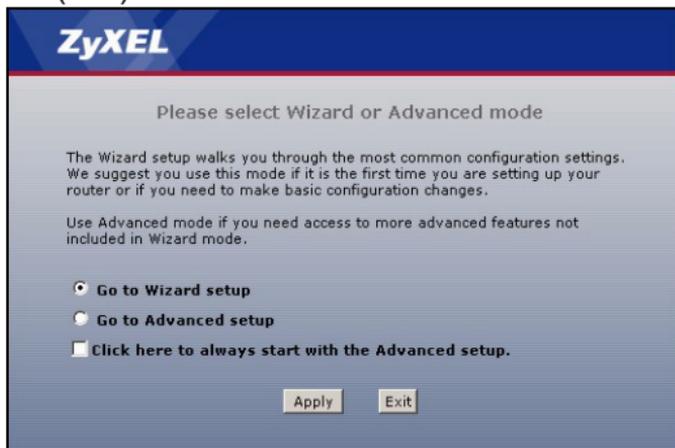
Your router is currently using the default password. To protect your network from unauthorized users we suggest you change your password at this time. Please select a new password that will be easy to remember yet difficult for others to guess. We suggest you combine text with numbers to make it more difficult for an intruder to guess.

Enter your new password in the two fields below and click "Apply". Otherwise click "Ignore" to keep the default password

**New Password:**

**Retype to Confirm:**

- 4** Select **Go to Wizard setup** and click **Apply**. You will need information supplied by your Internet service provider (ISP).



**ZyXEL**

Please select Wizard or Advanced mode

The Wizard setup walks you through the most common configuration settings. We suggest you use this mode if it is the first time you are setting up your router or if you need to make basic configuration changes.

Use Advanced mode if you need access to more advanced features not included in Wizard mode.

**Go to Wizard setup**

**Go to Advanced setup**

**Click here to always start with the Advanced setup.**

- 5 Follow the directions in each wizard screen. Enter the Internet access information exactly supplied by your ISP. If not given, leave the fields at the default setting.
- 6 When you are finished exit the wizard and browse out to any website (for example [www.zyxel.com](http://www.zyxel.com)) to test your connection.



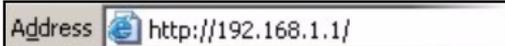
See the Troubleshooting section if you cannot access the Internet.

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## D: View the Status Screen

You can view the status screen of the P-660R-T1/T3 v2 by logging into the web configurator with the default user account.

- 1 In your browser, go to <http://192.168.1.1>.



- 2 Enter the default password **user**.





If your browser cannot find this screen, see the **Troubleshooting** section.

- 3** The status screen displays your Internet access information. See the User's Guide for full description of this screen.

The screenshot shows the ZyXEL web interface for the P-660R-T3 v2. The 'Status' page is displayed, showing various system metrics and network information.

**Device Information**

- Host Name: P-660R-T3\_v2
- Model Number: P-660R-T3 v2
- MAC Address: 00:13:A9:cd:cf:5c
- ZyNOS Firmware Version: V3.40(APT.0)03 | 11/07/2006

**WAN Information**

- DSL Mode: Error
- IP Address: 0.0.0.0
- IP Subnet Mask: 0.0.0.0
- Default Gateway: N/A
- VPI/VCI: 8/35

**LAN Information**

- IP Address: 192.168.1.1
- IP Subnet Mask: 255.255.255.0
- DHCP: Server

**System Status**

- System Uptime: 0:01:29
- Current Date/Time: 01/01/2008 00:09:30
- System Mode: Routing / Bridging
- CPU Usage: 9.46%
- Memory Usage: 69%

**Interface Status**

Interface	Status	Rate
DSL	Down	0 kbps / 0 kbps
LAN	Up	100M/Full Duplex

## Troubleshooting

- 1** If you cannot access the web configurator using Internet Explorer in Windows XP or Windows Server 2003, take the following steps.
- A)** Check the cable connection from your computer to the P-660R-T1/T3 v2.

- B)** Make sure you enter the password correctly (the field is case sensitive). If you have forgotten the P-660R-T1/T3 v2's password, use the **RESET** button. Press the button in for about 10 seconds (or until the **POWER** light starts to blink), then release it. It returns the P-660R-T1/T3 v2 to the factory defaults (IP address 192.168.1.1, password 1234).
- C)** Make sure your computer's IP address is in the same subnet as the P-660R-T1/T3 v2's LAN IP address (see [Set Up Your Computer's IP Address](#) section).
- D)** Ping the P-660R-T1/T3 v2 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 P-660R-T1/T3 v2's LAN IP address (192.168.1.1 is the default) and then press **[ENTER]** on your keyboard. The P-660R-T1/T3 v2 should reply; if it does not, see [Set Up Your Computer's IP Address](#) section.
- E)** If the P-660R-T1/T3 v2's IP address has changed, enter the new one as the URL. If you have forgotten the new IP address, use the **RESET** button (see step **B**).
- F)** Make sure you allow pop-up windows, JavaScripts and Java permissions or set the Internet security level lower than **High** in Internet Explorer (in Internet Explorer, click **Tools > Internet Options > Security > Custom Level...**). See the appendix in the User's Guide for more information.

- 2 If you cannot access the Internet when your computer is connected to the **ETHERNET** port, follow these steps.
- A) Check the lights on the front panel. If they are different from what is described in section 1, make sure the connections are correct. If the lights are still different, turn off the device, wait a few seconds, and turn it on again.
  - B) Follow the steps in [Set Up Internet Access](#) section again. Make sure you enter the correct information. For example, if your account has a user name and password, make sure you type it correctly. In addition, if you are not sure which encapsulation your ISP uses, contact your ISP.
  - C) If you are using a new Internet account, contact your ISP to make sure it is active.
  - D) If you still have problems, see **Troubleshooting** in the User's Guide.

## Set Up Your Computer's IP Address

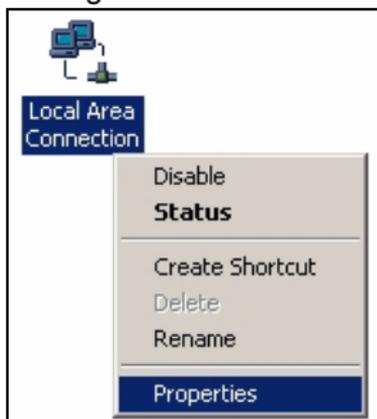
This section shows you how to set your Windows NT/2000/XP computer to automatically get an IP address. This ensures that your computer can connect with your P-660R-T1/T3 v2. Refer to your User's Guide for detailed IP address configuration for other Windows and Macintosh computer operating systems.

- 1 Click **start (Start** in Windows 2000/NT) > **Settings** > **Control Panel**.

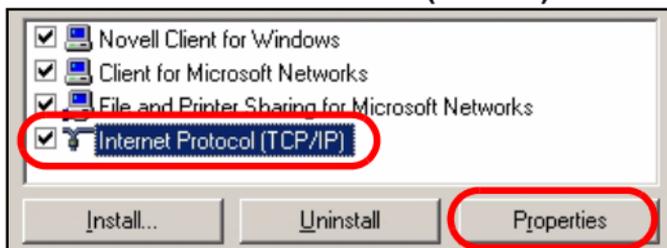
**2** In the **Control Panel**, double-click **Network Connections** (**Network and Dial-up Connections** in Windows 2000/NT).



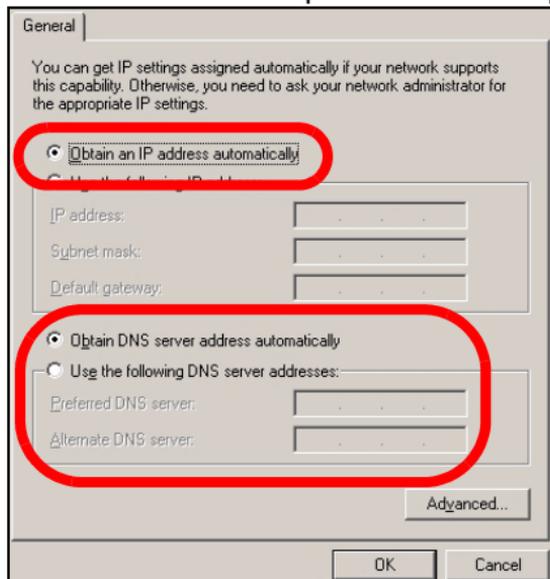
**3** Right-click **Local Area Connection** then click **Properties**.



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



**5** The TCP / IP Properties window appears.



Select **obtain an IP address automatically** and click **OK** to have the P-660R-T1/T3 v2 assign your computer an IP address.

- 6** If your Internet Service Provider (ISP) gave you Domain Name System (DNS) settings, enter them in the **Use the following DNS server addresses** fields. If you are not sure of your DNS settings, contact your ISP.
- 7** Click **Advanced**. Remove any previously installed gateways in the **IP Settings** tab and click **OK** to go back to the **Internet Protocol TCP/IP Properties** screen.
- 8** Click **OK** to close the **Internet Protocol (TCP/IP) Properties** window.
- 9** Click **Close (OK in Windows 2000/NT)** to close the **Local Area Connection Properties** window.

Close the **Network Connections** window (**Network and Dial-up Connections** in Windows 2000/NT).

**Procedure to View a Product's Certification(s)**

- 1** Go to [www.zyxel.com](http://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.

