
P-660RU-Tx v2

ADSL2+ Ethernet / USB Router

Quick Start Guide

Version 3.40

Edition 2

2/2007

The logo for ZyXEL, featuring the word "ZyXEL" in a bold, blue, sans-serif font. The "Zy" is in a smaller font size than "XEL".

ZyXEL

Overview

The P-660RU-Tx v2 is an ADSL router with a four-port built-in Ethernet switch.

See your User's Guide for background information on all features.

This Quick Start Guide shows you how to:

- Connect the hardware.
- Set up your Internet connection. The device should connect to the Internet automatically if it is preconfigured. If you were given Internet connection information from your Internet Service Provider (ISP), you may have to set up the connection manually (See section 3).

How to use the included CD

If you prefer to see a multi-media animation of how to make hardware connections, see the installation tutorial on the included CD.

- 1** On the included CD, click **Multimedia Auto Provisioner > Installation Tutorial**.
- 2** At the end of the tutorial, click **Configuration Genie** to set up your P-660RU-Tx v2 to connect to the Internet.

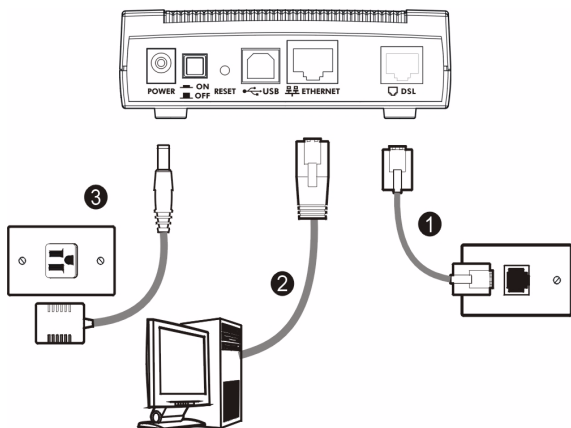
1 Hardware Connections

There are two ways to connect your computer or computer network to the P-660RU-Tx v2:

Option A: Connect via Ethernet. See [page 2](#).

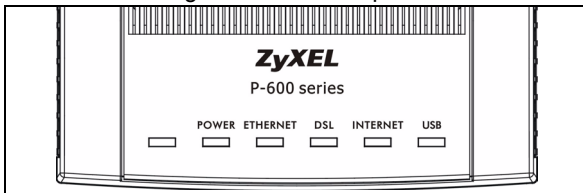
Option B: Connect via USB (you will need to install the USB driver). See [page 4](#).

Option A: Connect via Ethernet



1 ETHERNET: Use the yellow Ethernet cable to connect a computer to the **ETHERNET** port for initial configuration and/or Internet access.

- 2 DSL:** Use the gray telephone wire to connect your P-660RU-Tx v2's **DSL** port to a telephone jack (or to a splitter, if one is already installed).
- 3 POWER:** Use the power adaptor provided with your P-660RU-Tx v2 to connect an appropriate power source to the **POWER** socket. Make sure the power source is on.
- 4** Push in the **POWER** button.
- 5** Look at the lights on the front panel.

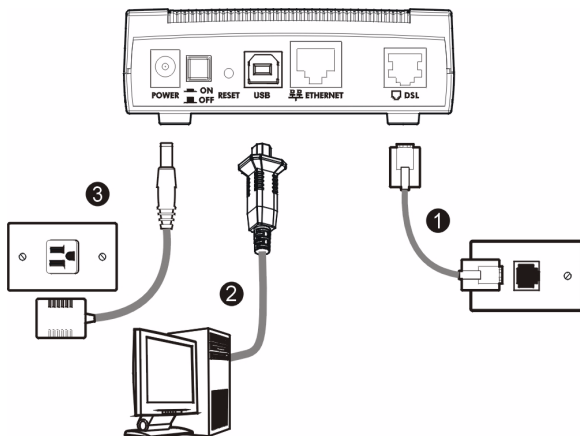


- The **POWER** light blinks while your P-660RU-Tx v2 starts up and stays on once it is ready.
- The **DSL** light is on when the P-660RU-Tx v2 has a DSL connection.
- The **INTERNET** light is on when you are able to access the Internet and blinks when the P-660RU-Tx v2 is sending or receiving data.
- The **ETHERNET** light stays on if the corresponding **ETHERNET** port is properly connected and blinks when there is traffic.



If any of these lights are not on, check your connections and inspect your cables for damage. If the lights are still off, contact your local vendor.

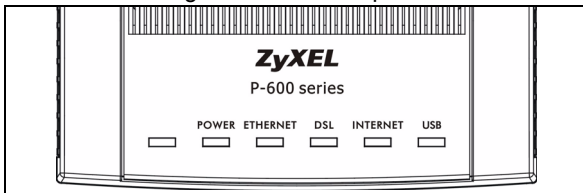
Option B: Connect via USB





Do **NOT** connect the same computer to both the **USB** and **ETHERNET** ports on the P-660RU-Tx v2.

- 1 USB:** Connect the provided USB cable to the P-660RU-Tx v2's **USB** port.
- 2 DSL:** Use the gray telephone wire to connect your P-660RU-Tx v2's **DSL** port to a telephone jack (or to a splitter, if one is already installed).
- 3 POWER:** Use the power adaptor provided with your P-660RU-Tx v2 to connect an appropriate power source to the **POWER** socket. Make sure the power source is on.
- 4** Push in the **POWER** button.
- 5** Look at the lights on the front panel.



- The **POWER** light blinks while your P-660RU-Tx v2 starts up and stays on once it is ready.
- The **DSL** light is on when the P-660RU-Tx v2 has a DSL connection.
- The **USB** light turns on if the USB port is properly connected, and blinks when there is traffic.



If any of these lights are not on, check your connections and inspect your cables for damage. If the lights are still off, contact your local vendor.

Install the USB Software

If you want to connect to the Internet through the P-660RU-Tx v2's USB port, install the USB driver before you connect the P-660RU-Tx v2 to the USB port. Follow the steps for your operating system to install the USB driver.

Windows Computer

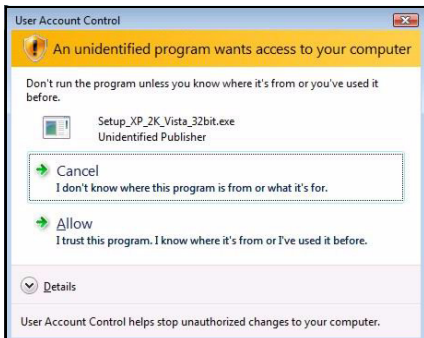
System Requirements

- Windows 98 SE (Second Edition), Windows ME (Millennium Edition), Windows 2000, Windows XP, or Windows Vista
- An available USB port

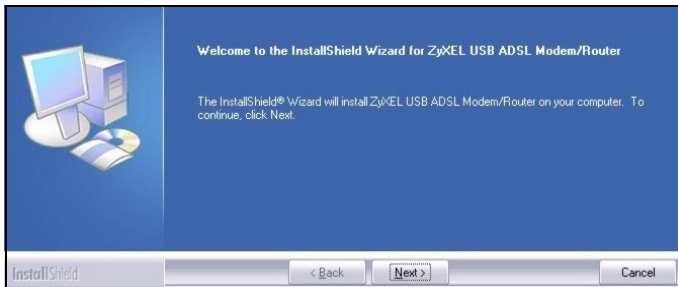
Procedures

- 1 Save your work and close all applications.
- 2 Insert the included CD. The CD automatically runs and the main screen displays.
- 3 Click the **Setup** icon on the main screen.
- 4 Select the Windows version of your computer.

- 5** An install warning may appear in the Windows Vista OS. Click **Allow** to continue.



- 6** Click **Next** in the Welcome screen to begin the USB Installation Wizard. Follow the installation prompts. You may need to restart your computer at the end of the installation.



Macintosh Computer

System Requirements

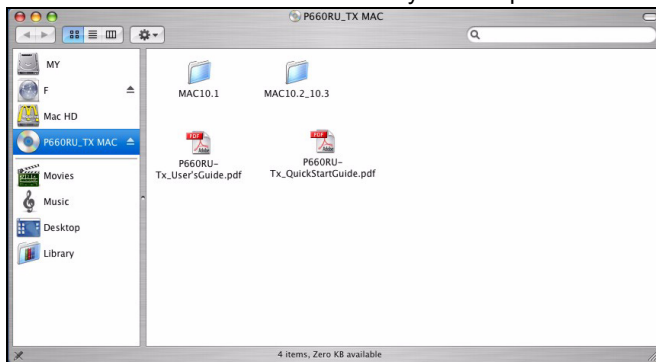
- Macintosh operating system versions 10.1, 10.2 and 10.3.
- An available USB port

Procedures

- 1 Save your work and close all applications.
- 2 Insert the included CD. A CD's icon automatically displays on the desktop.

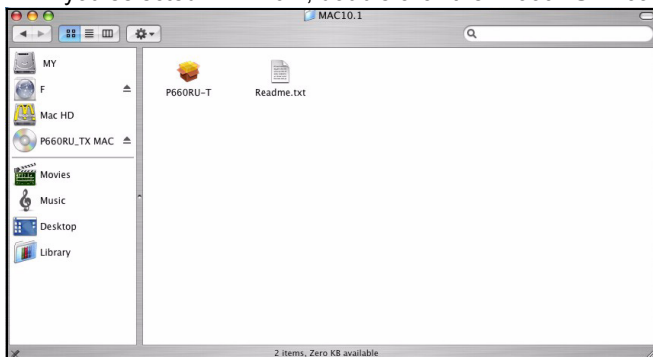


- 3 Double-click the CD's icon.
- 4 Double-click the MAC version of your computer.

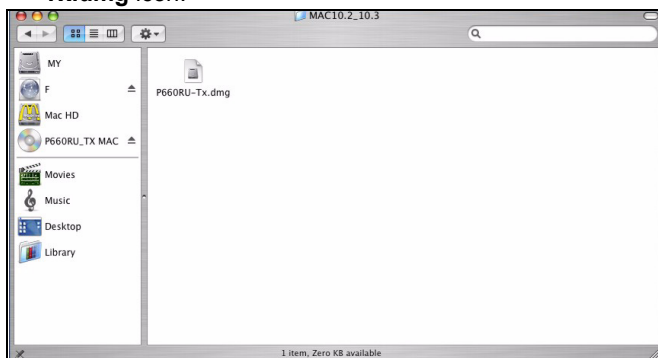


5 Double-click one of the following.

If you selected **MAC10.1**, double click the **P-660RU-T** icon.



If you selected **MAC 10.2_10.3**, double click the **P-660RU-Tx.dmg** icon.



- Click **Continue** in the Welcome screen to begin the USB installation. Follow the installation prompts. You may need to restart your computer at the end of the installation.

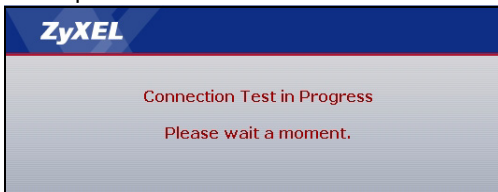


2 Connection Setup: Automatic

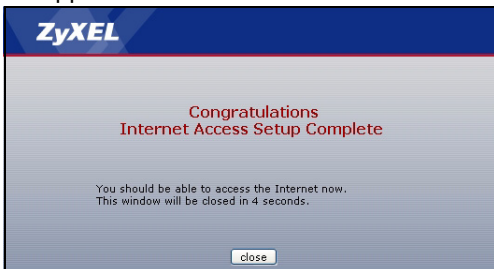
Use this section to have your P-660RU-Tx v2 automatically detect and set up your Internet connection.

- Open your web browser, and go to any web page (for example, <http://www.zyxel.com>). Your P-660RU-Tx v2 tries to detect your Internet connection.
- Wait for the P-660RU-Tx v2 to finish the connection test. This may take several minutes. If you do not see a

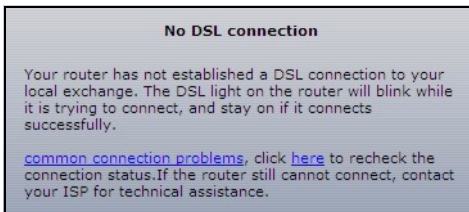
connection test screen similar to the following, go to step 5.



3 If the connection test is successful, the following screen appears. Your Internet connection is ready for you to use.



4 If the connection test is not successful, you may see a screen similar to the following. Follow the instructions in the screen.

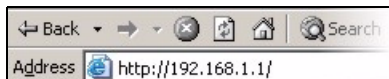


- 5 If the connection test is not successful, check your connections and restart the P-660RU-Tx v2. If you still cannot access the Internet, take the steps in the following section. You should have information provided by your Internet Service Provider.

3 Connection Setup: Wizard

Use this section to set up your Internet connection if automatic Internet connection does not work (see section 2). You should have information from your Internet Service Provider (ISP).

- 1 Open your browser and enter the P-660RU-Tx v2's IP address (default 192.168.1.1) as the URL. If your browser does not display a login screen, see **Troubleshooting** for details.



- 2 Enter the admin password **1234** (default). Click **Login**.



3 Type (and retype) a new password and click **Apply**.



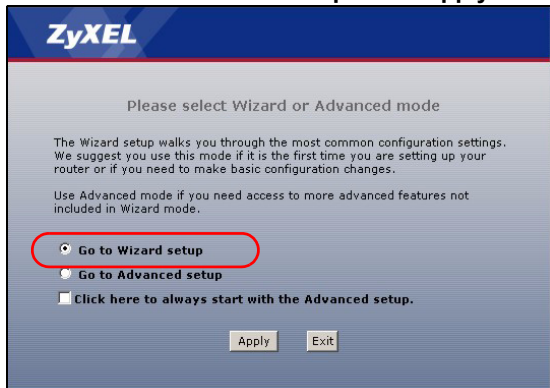
You have to use a new password other than the default password **1234**, or you cannot apply it successfully.



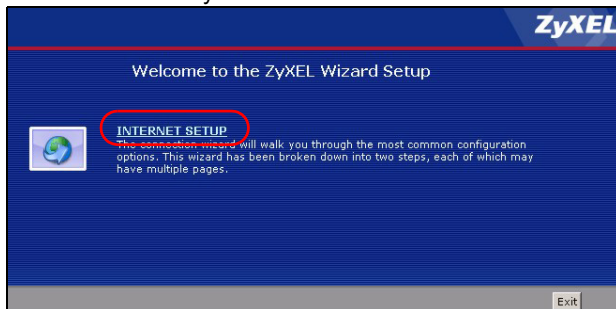
The screenshot shows a web interface for changing a password. At the top left is the ZyXEL logo. The main heading says "Use this screen to change the password." Below this, a paragraph explains that the router is currently using the default password and suggests changing it for security. It advises choosing a password that is easy to remember but difficult to guess, such as combining text and numbers. Below the text, there are two input fields: "New Password:" and "Retype to Confirm:". At the bottom, there are two buttons: "Apply" and "Ignore".

4 The system asks you to enter your new password to log in again.

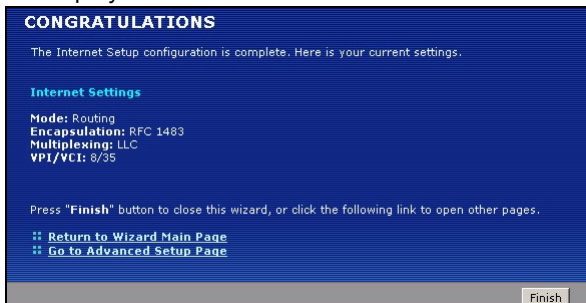
5 Select Go to Wizard setup. Click Apply.



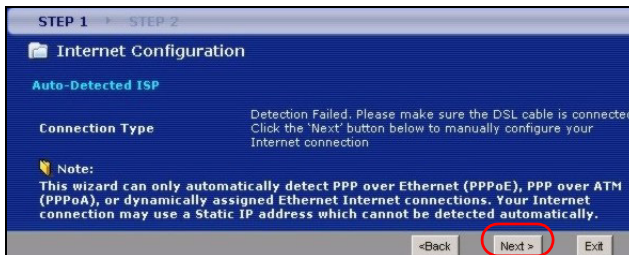
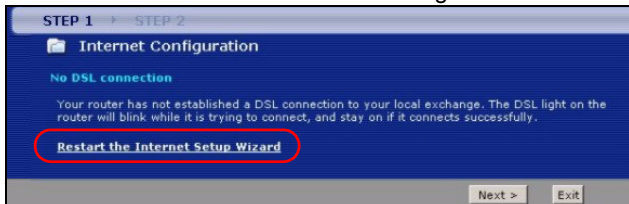
6 Click INTERNET SETUP. Wait while your P-660RU-Tx v2 tries to detect your DSL connection.



7 If the connection test is successful, the following screen displays. Click **Finish** to exit the wizard.



8 If the connection test is not successful, you may see a screen similar to one of the following.



Either click **Restart the Internet Setup Wizard** (if available) to have the ZyXEL Device detect your connection again, or click **Next** to set up your Internet connection manually.

- 9 Follow the instructions in the wizard. Enter your Internet connection information exactly as provided by your ISP. If you do not see the following screen, go to section 4.

The screenshot shows a web-based configuration wizard titled "Internet Configuration". At the top, it indicates "STEP 1" and "STEP 2". Below the title is a folder icon and the text "Internet Configuration". A sub-heading reads "ISP Parameters for Internet Access". A paragraph of text asks the user to verify settings with their ISP. There are four main sections, each with a label and a dropdown menu: "Mode" (set to "Routing"), "Encapsulation" (set to "ENET ENCAP"), "Multiplexing" (set to "LLC"), and "Virtual Circuit ID". The "Virtual Circuit ID" section includes two input fields: "VPI" with the value "8" and "VCI" with the value "35". At the bottom, there are three buttons: "< Back", "Next >", and "Exit".

STEP 1 STEP 2

Internet Configuration

ISP Parameters for Internet Access

Please verify the following settings with your Internet Service Provider (ISP). Your ISP may have given you a welcome letter or network setup letter including this information.

Mode Routing

Select 'Routing' (default) if your ISP allows multiple computers to share an Internet account. Otherwise, select 'Bridge' mode.

Encapsulation ENET ENCAP

Select the encapsulation method used by your ISP. Your ISP may list 'ENET ENCAP' as 'Static IP' or 'Dynamic IP'

Multiplexing LLC

Select the multiplexing type used by your ISP.

Virtual Circuit ID

VPI 8

VCI 35

Select the VPI (Virtual Path Identifier) and VCI (Virtual Channel Identifier) used by your ISP. The valid range for the VPI is 0 to 255 and VCI is 32 to 65535.

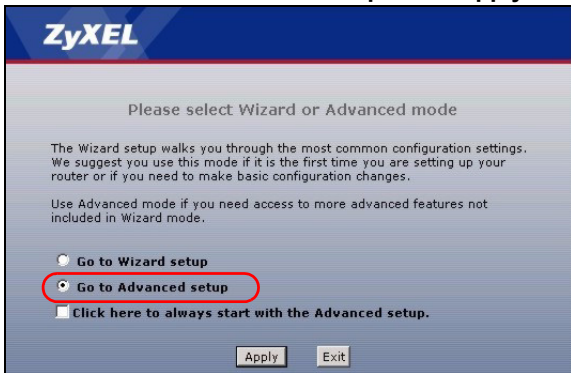
< Back Next > Exit

4 Connection Setup: Manual

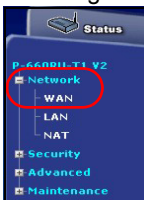
Use this section to set up your Internet connection manually if you do not see the **ISP Parameters for Internet Access** screen when you run the wizard (see section 3).

1 Follow steps 1 to 3 in section 3 in order to log in to the web configurator.

2 Select **Go to Advanced setup**. Click **Apply**.



3 The **Status** screen appears. Click **Network** > **WAN** in the navigation panel on the left of the screen.



4 The **Internet Connection** screen appears. Enter the information exactly as provided by your ISP and click **Apply**.

Internet Connection	More Connections	WAN Backup Setup
General		
Name	MyISP	
Mode	Routing	
Encapsulation	PPPoE	
User Name		
Password		
Service Name		
Multiplexing	LLC	
Virtual Circuit ID		
VPI	8	
VCI	35	
IP Address		
<input checked="" type="radio"/> Obtain an IP Address Automatically		
<input type="radio"/> Static IP Address		
IP Address	0.0.0.0	
Connection		
<input type="radio"/> Nailed-Up Connection		
<input checked="" type="radio"/> Connect on Demand		
Max Idle Timeout	0 sec	
<input type="button" value="Apply"/> <input type="button" value="Cancel"/> <input type="button" value="Advanced Setup"/>		



The fields available in this screen depend on the **Mode** you select.

- 5** If you still cannot access the Internet, see **Troubleshooting** and/or contact your Internet Service Provider (ISP) for assistance.

Troubleshooting

- 1 If you want to verify your USB installation,
 - Check the status of the P-660RU-Tx v2 in the Device Manager window. Click **Start > Settings > Control Panel > System > Hardware** and then click **Device Manager**. (Steps may vary depending on the version of Windows.)
 - Verify the status of the P-660RU-Tx v2 under **Network Adapter**. Check that there is no question mark on the device icon for the P-660RU-Tx v2.
- 2 If you cannot access the web configurator,
 - Your computer may be set to use a static IP address in a different subnet from the ZyXEL device. See the appendix in the User's Guide for information on setting up your IP address.
 - If you are using Internet Explorer in Windows XP or Windows Server 2003, 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.
- 3 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 P-660RU-Tx v2 is correctly connected. If the lights are still different, turn off the device, wait a few seconds, and turn it on again.

- B)** If your ISP gave you Internet connection information, ensure you enter it correctly. 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. If your ISP did not give you Internet connection information, follow the steps in section 2.
- 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.


If you cannot access the Internet after you take the steps above, either try the following or contact your ISP:

- E)** Turn your P-660RU-Tx v2 off and on. Open your Internet browser if it is not already open.


Let the P-660RU-Tx v2 complete the DSL connection test (this may take several minutes). See section 2 for details.

If the test is successful, check whether you can access the Internet.

- F)** If the test is unsuccessful or if you cannot access the Internet, log in to the P-660RU-Tx v2's web configurator (see section 3).
- Click **Network > WAN > Internet Connection**. Ensure that the settings in this screen are the same as those your ISP gave you. If your ISP gave you a static IP address to use, select **Static IP Address** in the **IP Address** section and enter it in the **IP Address** field. If not, select **Obtain an IP Address Automatically**. Click **Apply**.

- Click the wizard icon (). Run the **Internet Setup** wizard again. Check whether you can access the Internet.

If you still cannot access the Internet, take the following steps:

- If you are using **Bridge** mode (check **Mode** in the **Network > WAN > Internet Connection** screen) click **NAT > General** and ensure **Active Network Address Translation (NAT)** is not selected. Click **LAN > DHCP Setup** and ensure that **DHCP** is set to **None**. Your ISP gives your computer an IP address directly. If you want to access the P-660RU-Tx v2 again, you need to use a static IP address in the same subnet as your P-660RU-Tx v2 (the P-660RU-Tx v2's default IP address is 192.168.1.1).
- Click the wizard icon (). Run the **Internet Setup** wizard again. Check whether you can access the Internet.

If you still cannot access the Internet, contact your Internet Service Provider.

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.

