

# P-660HNU-Tx

## Quick Start Guide

*Wireless N ADSL2+ 4-port Gateway with USB*

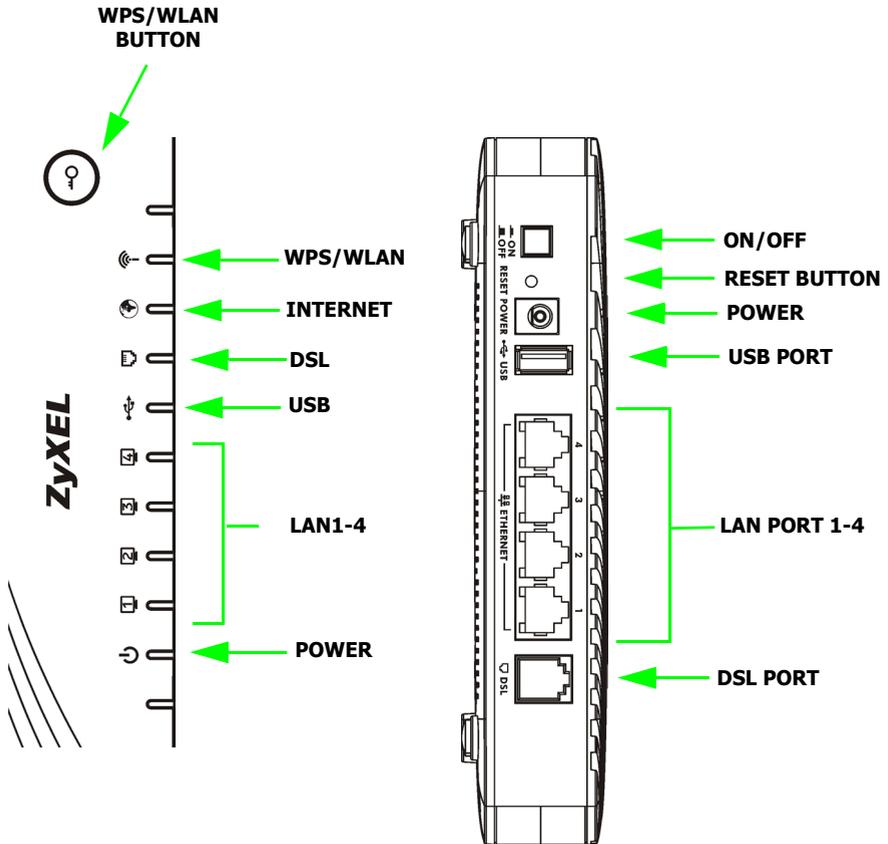
Firmware v1.02  
Edition 1, 11/2011

### DEFAULT LOGIN DETAILS

IP Address:	http://192.168.1.1
User:	admin
Password:	1234

The logo for ZyXEL, featuring the brand name in a bold, blue, sans-serif font. The 'Z' and 'Y' are significantly larger and more stylized than the other letters.

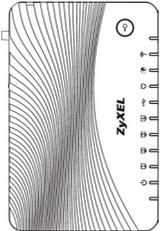
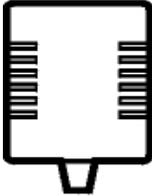
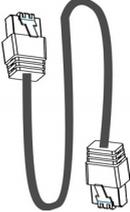
# Device Panels



# Overview

The P-660HNU-Tx (x stands for 1 or 3) is an ADSL router with a four-port built-in Ethernet switch and IEEE 802.11n 2x2 wireless capability. The P-660HNU-Tx allows wired and wireless clients to safely access the Internet. With 802.11n 2x2, the P-660HNU-Tx can transfer at data rates up to 300Mbps, with extended range.

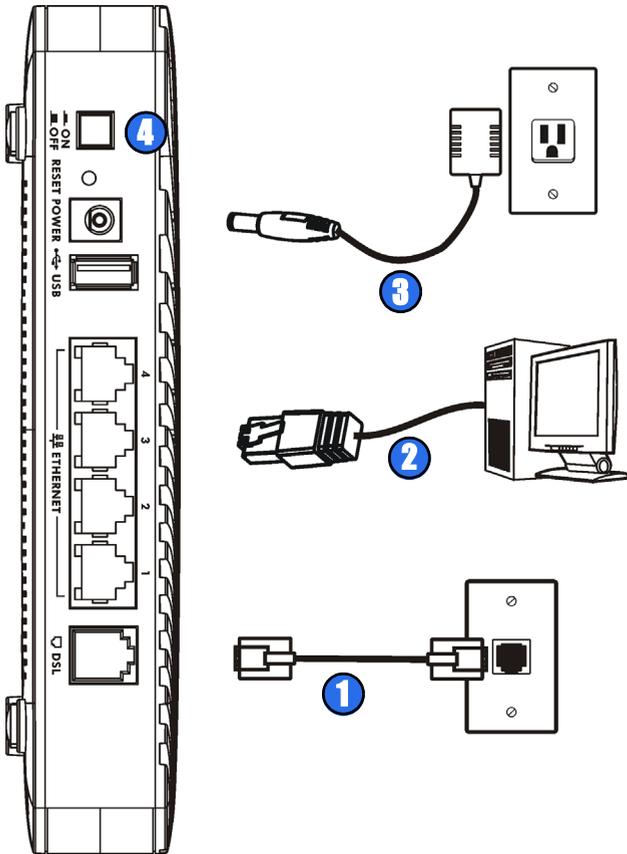
# Package Contents

<p>ADSL Router</p> 	<p>Power Adapter</p> 	<p>RJ45 1.5M LAN Cable</p> 
<p>RJ11 1.5 Phone Cable</p> 	<p>Installation CD</p> 	<p>Quick Start Guide</p> 

# Hardware Connections

This section shows you how to set up your P-660HNU-Tx.

**Warning:** Remove any clear plastic covers from the P-660HNU-Tx before using it. Also, do not use the device outside, and make sure all the connections are indoors. There is a remote risk of electric shock from lightning.



1. **DSL:** Use a telephone wire to connect your P-660HNU-Tx's **DSL** port to a telephone jack (or to a splitter, if one is already installed).
2. **LAN:** Use an Ethernet cable to connect a computer to a **LAN** port for initial configuration and/or Internet access.
3. **POWER:** Use the power adaptor provided with your P-660HNU-Tx to connect an appropriate power source to the **POWER** socket. Make sure the power source is on.
4. Push the **ON/OFF** button to the **ON** position. Look at the lights on the front panel.
  - The **POWER** light blinks while your P-660HNU-Tx starts up and stays on once it is ready. The **DSL** light is on when the P-660HNU-Tx has a DSL connection, and the **WLAN** light is on when the wireless LAN is ready. The **INTERNET** light is on when you are able to access the Internet and blinks when the P-660HNU-Tx is sending or receiving data.
  - Each **LAN** light stays on if the corresponding **LAN** 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.

## *Internet Access Setup*

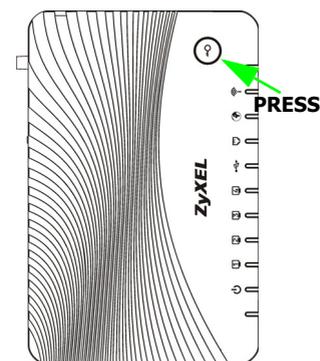
---

The **DSL** and **INTERNET** lights are on if you have internet access. Open your web browser and browse to [www.zyxel.com](http://www.zyxel.com). You may be prompted to enter your username and password.

If one or both of these lights are not on, try turning the P-660HNU-Tx off, check the connections, wait a few seconds and then turn it back on. If the **DSL** light is not on, contact your service provider. If the **DSL** light is on but the **INTERNET** light is not, you need to enter your Internet access configuration using the Web Configurator - see page 7.

## Set up WPS Wireless Connection

Follow these steps to add a WPS-enabled device to the wireless network using the **WLAN/WPS** button.



**1** Place the devices you want to connect near one another.

**2** Press the **WLAN/WPS** button on top of the P-660HNU-Tx for 1-5 seconds to activate WPS.

The **WLAN/WPS** light blinks.

**3** Press the WPS button on a compatible device within 2 minutes of pressing the button on the P-660HNU-Tx.

The **WLAN/WPS** light on the P-660HNU-Tx shines steadily when connected.

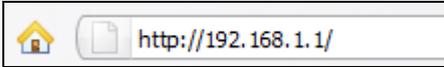


You must use only one WPS device at a time with the P-660HNU-Tx.

# The Web Configurator

The Web Configurator is a web browser tool that allows you to configure the P-660HNU-Tx. The computer and the P-660HNU-Tx need to be in the same IP address range to use this tool.

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



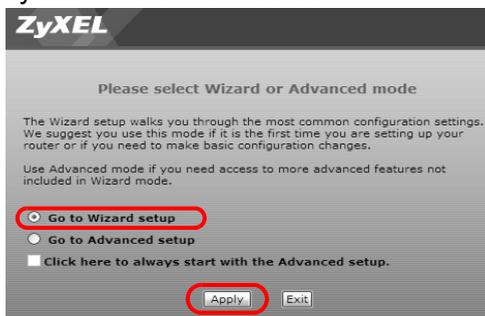
2. Enter the default username **admin** and password **1234** and click **Login**.



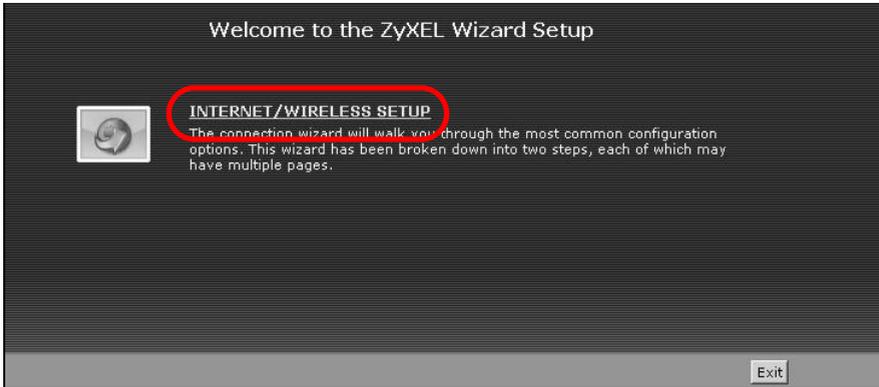
3. The following screen displays if you have not yet changed your password. It is strongly recommended you change the default password. Enter a new password, retype it to confirm and click **Apply**; alternatively click **Ignore** to proceed to the main menu if you do not want to change the password now.



4. If the **INTERNET** light is off, select **Go to Wizard setup** and click **Apply** to display the wizard main screen.



5. Click **INTERNET/WIRELESS SETUP**. Wait while your P-660HNU-Tx tries to detect your DSL connection.



6. Follow the directions in the wizard. Enter the settings as specified by your ISP. For more details on using the wizard for Internet configuration, see **Internet and Wireless Wizard Setup** in the User's Guide.

## 7. If you selected **Go to Advanced setup**, the **Status** screen displays.

The screenshot shows the ZyXEL Status screen for a P-660HNU-T1\_IPv6 device. The left sidebar contains a navigation menu with categories: Network (WAN, LAN, Wireless LAN, NAT), Security (Firewall, Filter, Certificate), Advanced (Static Route, Port Binding, QoS, Dynamic DNS, Remote MGMT, UPnP, CWMP, USB Application), and Maintenance (System, Logs, Tools, Diagnostic). The main content area is titled 'Status' and includes a 'Refresh Interval' dropdown set to 'None' and an 'Apply' button. The 'Device Information' section lists: User Name: admin; Model Number: P-660HNU-T1\_IPv6; MAC Address: 00:19:CB:00:00:00; Current Firmware Version: 1.02(VBP\_01CO\_20111109); DSL Firmware Version: FwVer:3.16.16.0\_A\_TC3086 HwVer:T14.F7\_7.0. The 'System Status' section shows: System Uptime: 0 day: 0 hour: 48 minutes; DSL UpTime: N/A; PPP UpTime: 0; Current Time: 01 Jan 2010 00:51:17; System Mode: Routing / Bridging; CPU Usage: 7%; Memory Usage: 35%. The 'Interface Status' section contains a table:

Interface	Status	Rate
DSL	Down	0 / 0
LAN1	NoLink	N/A
LAN2	NoLink	N/A
LAN3	Up	100/Full
LAN4	NoLink	N/A
WLAN	Active	300M

The 'Summary' section includes links for 'DSL Information', 'WAN Information', and 'Packet Statistics'. At the bottom, a 'Message Ready' indicator is visible.

## 8. If the **INTERNET** light is off, the Internet connection can be manually configured.

- To configure the Internet connection, go to **Network > WAN**
- To configure wireless access, go to **Network > Wireless LAN**
- To configure WPS using a PIN (Personal Identification Number) and the Web Configurator, go to **Network > Wireless LAN > WPS Station**

See the User's Guide for configuration procedures on these features and others on the P-660HNU-Tx.

## Troubleshooting

---

***Warning: Do NOT open the device or unit. ONLY qualified service personnel should service or disassemble this device. Please contact your vendor for further information.***

1. If you cannot access the web configurator 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.
2. If you cannot access the Internet when your computer is connected to the **LAN** port, follow these steps.
  - a. Check the lights on the front panel. If they are different from what is described on page 5, make sure the P-660HNU-Tx is correctly connected. If the lights are still different, turn off the device, wait a few seconds, and turn it on again.
  - b. Follow the steps on page 7 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.
3. If you cannot access the Internet using the wireless network, follow these steps.
    - a. On a computer in the wireless network, open your browser, and go to <http://192.168.1.1>. If you see the login screen, follow suggestions **a - d** above. If you do not, go to the next step.
    - b. Make sure your P-660HNU-Tx and your computer are using the same wireless and wireless security settings.

## ***Viewing Certification(s)***

---

- Go to [www.zyxel.com](http://www.zyxel.com).
- Select your product from the drop-down list box on the ZyXEL home page to go to that product's page.
- Select the certification you wish to view from this page.