# Prestige 623 Series

*Dual-link ADSL Router*

# Quick Start Guide

Version 1.38
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**ZyXEL**
*Unleash Networking Power*

# Introducing the Prestige

The Prestige 623 series Dual-link ADSL Router is the ideal all-in-one device for small networks connecting to the Internet via DSL. See your *User's Guide* for more details on Prestige features.

You should have an Internet account already set up and have been given most of the following information from your ISP. You don't have to fill in all the fields.

| REQUIRED INFORMATION | | |
|---|---|---|
| Your device's WAN IP Address : _____ | | Subnet Mask: _____ |
| Multiplexing (VC-based or LLC-based):  □ **VC** | □ **LLC** | |
| DNS Server IP Address  Primary: _____ | | Secondary: _____ |
| Virtual Path Identifier (**VPI**): _____ | | |
| Virtual Channel Identifier (**VCI**): _____ | | |
| Gateway IP Address: _____ | | |
| Encapsulation: | □ **PPPoE** | Username: _____ |
| | □ **PPPoA** | Password: _____ |
| | □ **RFC 1483** | |
| | □ **RFC 1483 (1577)** | |

# Hardware Connection

## Rear Panel



| PORT | CONNECTION |
|---|---|
| 1.   DSL | Connect to a telephone jack using a telephone cable. |

| PORT | CONNECTION |
|---|---|
| 2. LAN 10/100M | Connect to a computer using a crossover Ethernet cable or to a hub using a straight-through Ethernet cable. |
| 3. POWER | Do this last. Connect to a power source using the supplied power adapter. |
| After you've made the connections, connect the power adapter to a power supply and push in the power button to turn on the Prestige. Look at the front panel LEDs. | |
| Proceed to install the USB driver if you want to connect the Prestige to the USB port on the computer. Refer to the *Installing USB Driver* section. | |
| USB | The USB port is useful when a computer does not have a network card. Connect the USB port during the USB driver installation. |
| RESET | You only need to use this button if you've forgotten the Prestige's administrative account password or IP addresses. It returns the Prestige to the factory defaults (see your *User's Guide* for details). |

## Front Panel LED

When the Prestige is turned on, the **PWR** LED turns on. The **SYS** LED turns steady on if the system self-test is successful. The appropriate **LAN** and/or **USB** LEDs turn on if they are properly connected.



# Prestige Factory Defaults

This *Quick Start Guide* provides a default configuration that should be compatible with your home or small office network setup. Refer to the *User's Guide* for additional configuration instructions.

| PRESTIGE FACTORY DEFAULTS | | | |
|---|---|---|---|
| LAN IP Address | 192.168.1.1 | Default User name | admin |
| USB IP Address | 192.168.1.2 | Default Password | 1234 |
| Subnet Mask | 255.255.255.0 | DHCP IP Pool | 192.168.1.3 – 192.168.1.34 |

# Installing the USB Driver

**DO *NOT* connect the USB port at this point.**

Installation steps and screens are similar for all Windows systems. Screen shots for Windows XP are shown unless otherwise specified.

**Step 1.**   Save your work and close all other Windows applications.

**Step 2.**   Insert the included CD and copy the USB installation file onto the computer.

**Step 3.**   Double-click **setup.exe** in the folder where you copied the files.
A **Welcome** dialog box displays, click **Next**.



**Step 4.**   Click **Accept** to agree to the license agreement.

**Step 5.** Connect the USB port to the computer when prompted. A window displays briefly, indicating that the system has found a new hardware.

> The DSL Installer is searching for installed hardware. If your modem is not yet plugged in to your computer, please plug it in now.

**Step 6.** For Windows 2000/XP: Click **Finish** to complete the driver installation.
For Windows 98/98 SE/Me: Reboot the computer when prompted.
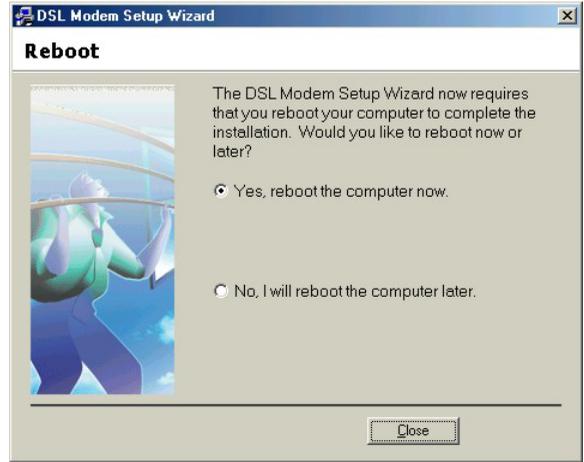


## Verifying Your USB Installation

After you have completed the USB driver installation, click **Start**, (**all**) **Programs**, **ZyXEL Prestige 623-43** (or **ZyXEL Prestige 623-41**) and **ADSL Status**.

A **ZyXEL P623-43 ADSL Modem** (or **ZyXEL P623-41 ADSL Modem**) screen displays. In the **Physical Link** screen, the **Stat** should display **Connected** if a computer is connected to the Prestige via the USB port.

> **This utility is for USB connection only.**
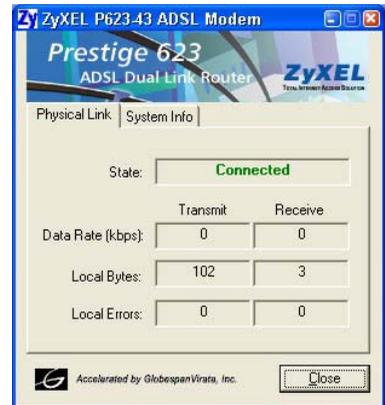
# Setting Up Your Computer's IP Address

**Skip this section if your computer is already set up to accept a dynamic IP address. This is the default for most new computers.**

The Prestige is already set up to assign your computer an IP address. Use this section to set up your computer to receive an IP address or assign it a static IP address in the 192.168.1.3 to 192.168.1.254 range with a subnet mask of 255.255.255.0. This is necessary to ensure that your computer can communicate with your Prestige.

Your computer must have a network card and TCP/IP installed. TCP/IP should already be installed on computers using Windows NT/2000/XP, Macintosh OS 7 and later operating systems.

## Windows 2000/NT/XP

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 Win XP) and click **Properties**.

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

    -To have your computer accept a dynamic IP address, click **Obtain an IP address automatically**.

    -If you want a static IP address, click **Use the following IP Address** and fill in the **IP address** (use one between192.168.1.3 and 192.168.1.254), **Subnet mask** (255.255.255.0), and **Default gateway** (192.168.1.1 or 192.168.1.2) fields.

    Click **Advanced**.
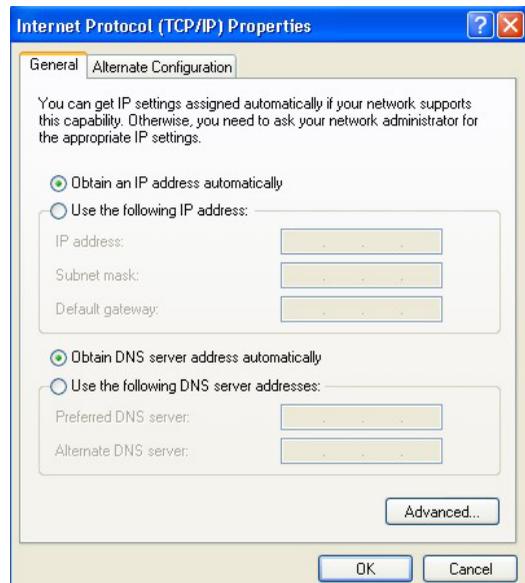
6. Remove any previously installed gateways in the **IP Settin**gs tab and click **OK** to go back to the **Internet Protocol TCP/IP Properties** screen.

7. Click **Obtain DNS server address automatically** if you do not know your DNS server IP address(es).

   If you know your DNS server IP address(es), click **Use the following DNS server addresses**, and type them in the **Preferred DNS server** and **Alternate DNS server** fields.

   If you have previously configured DNS servers, click **Advanced** and then the **DNS** tab to order them.

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

9. Click **OK** to close the **Local Area Connection Properties** window.
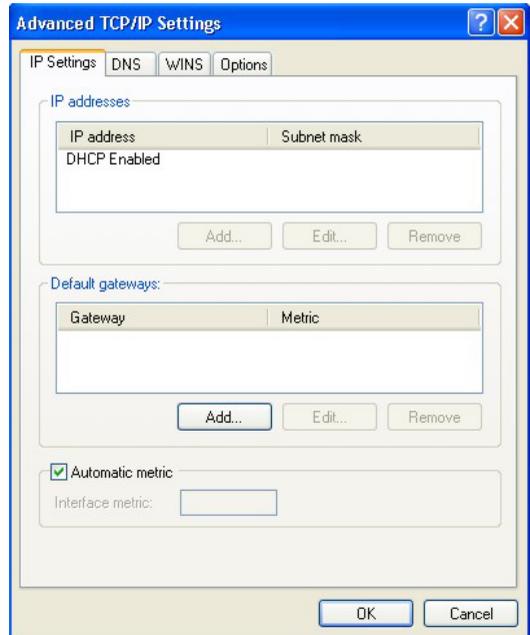
Refer to your *User's Guide* for detailed IP address configuration for other Windows and Macintosh computer operating systems.

# Checking/Updating Your Computer's IP Address

1. In the computer, click **Start**, (**All) Programs**, **Accessories** and then **Command Prompt**.

2. In the **Command Prompt** window, type "ipconfig" and then press **ENTER** to verify that your computer's static IP address is in the correct subnet (in the range between 192.168.1.3 and 192.168.1.254 if using the default Prestige LAN IP address). Alternatively, to have the Prestige assign your computer a new IP address (from the IP pool), make sure your Prestige is turned on, type "ipconfig /renew" and then press **ENTER**.

# Testing the Connection to the Prestige

1. Click **Start**, (**All**) **Programs**, **Accessories** and then **Command Prompt**.

2. In the **Command Prompt** window, type "ping" followed by a space and the IP address of the Prestige (192.168.1.1 is the default for the LAN port and 192.168.1.2 is the default for the USB port. You may enter either one).

3. Press **ENTER**. You should see the reply messages displayed as shown. Your computer can now communicate with the Prestige using the **LAN** or the **USB** port.

```
C:\>ping 192.168.1.1

Pinging 192.168.1.1 with 32 bytes of data:

Reply from 192.168.1.1: bytes=32 time=10ms TTL=254
Reply from 192.168.1.1: bytes=32 time<10ms TTL=254
Reply from 192.168.1.1: bytes=32 time<10ms TTL=254
Reply from 192.168.1.1: bytes=32 time<10ms TTL=254

Ping statistics for 192.168.1.1:
    Packets: Sent = 4, Received = 4, Lost = 0 (0% loss),
Approximate round trip times in milli-seconds:
    Minimum = 0ms, Maximum =  10ms, Average =  2ms

C:\>
```

# Accessing the Prestige

**Step 1.** Launch your web browser. Enter either "192.168.1.1" or "192.168.1.2" as the web site address.
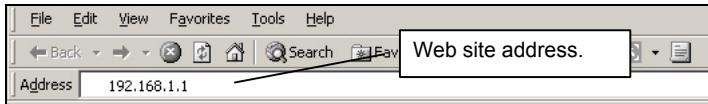


**Step 2.** An **Enter Network Password** window displays. Enter the user name ("admin" is the default), password ("1234" is the default) and click **OK**.



**Step 3.** You should now see the **System View** screen as shown next. This is the first screen that displays every time you access the web configurator.

# Quick Configuration for Internet Access

Use the **Quick Configuration** screen to configure your system for Internet access.

In the **System View** screen, click **Quick Configuration** to display the screen as shown. Fill in the fields with the information in the *Required Information* table.

**Quick Configuration**

Use this page to quickly configure the system.

| | |
|---|---|
| **ATM Interface:** | 0 |
| **Operation Mode:** | Enabled |
| **Encapsulation:** | 1483 Bridged IP LLC |
| **VPI:** | 8 |
| **VCI:** | 35 |
| **Bridge:** | Enabled |
| **IGMP:** | Disabled |
| **IP Address:** | 0 0 0 0 |
| **Subnet Mask:** | 0 0 0 0 |
| **Default Route:** | Disabled |
| **Gateway IP Address:** | 0 0 0 0 |
| **PPP** | |
| **Username:** | GSPN |
| **Password:** | |
| **Use DNS:** | ⦿ Enable  ○ Disable |
| **DNS** | |
| **Primary DNS Server:** | 0 0 0 0 |
| **Secondary DNS Server:** | 0 0 0 0 |

Submit    Delete    Cancel    Help

Select an interface number from the **ATM Interface** drop-down list menu.

From the **Operation Mode** drop-down list menu, select **Enabled** to set the Prestige to act as an Internet gateway for your LAN.

Select the encapsulation type your ISP uses from the **Encapsulation** drop-down list menu.

Enter the correct Virtual Path Identifier (VPI) and Virtual Channel Identifier (VCI) numbers supplied by your ISP in the **VPI** and **VCI** fields.

Set the **Bridge** and **IGMP** fields depending on your ISP.

If given by your ISP, enter the IP address and the subnet mask in the **IP Address** and **Subnet Mask** fields.

From the **Default Route** drop-down list menu, select **Enabled** to use the IP address specified above as the default route. Otherwise select **Disabled**.

Enter the IP address of the default gateway (or your ISP server) through which your Internet connection will be routed in the **Gateway IP Address** field.

Enter the Internet account username and password provided by your ISP in the **Username** and **Password** fields. (This is not the same as the user name and password you used to log in to web configurator.)

In the **Use DNS** field, select **Enable** if your ISP provides you with DNS (Domain Name Service) information. Otherwise, select **Disable**.

If you enable DNS, enter the IP address(es) of the DNS server(s) provided by your ISP in the **Primary DNS Server** and/or **Secondary DNS Server** fields.

Click **Submit**. Then click the **Admin** tab, **Commit & Reboot** and **Commit** to save your changes.

# Test Your Internet Connection

Launch your web browser and navigate to www.zyxel.com. Internet access is just the beginning. Refer to the *User's Guide* for more detailed information on all Prestige features. If you cannot access the Internet, open the web configurator again to confirm that the Internet settings you configured in the **Quick Configuration** screen are correct.

# Troubleshooting

| PROBLEM | CORRECTIVE ACTION |
|---|---|
| The **PWR** and/or **SYS** LEDs are off. | Make sure the Prestige is connected to the correct power adapter, the power adapter is plugged into an adequate power supply and the Prestige power switch is turned on. |
| | Turn the Prestige off and on. If the error persists, you may have a hardware problem. In this case, you should contact your vendor. |
| The **10/100M** LED is off. | Check the cable connection to the Prestige LAN port. Make sure your computer's network card is working properly. |
| | Make sure you are using the correct Ethernet cable type. Refer to the *Hardware Connection* section. |
| The **DSL** LED is off. | Check the connection between the Prestige DSL port and the wall jack. |
| The **USB** LED is off. | Check the USB connection to your computer. |
| I cannot access the web configurator. | The default user name is "admin" and the default password is "1234". If you have changed the password and have forgotten, you need to reset the Prestige. See *User's Guide*. |
| | Make sure you type in the correct IP address. The default LAN IP address is **192.168.1.1** and the default for USB port is **192.168.1.2** (you may use either one). |
| | If you changed the Prestige default LAN IP address then enter the new one as the URL. |
| | Verify that the IP address and the subnet mask of the Prestige and the computers are on the same subnet. |
| I cannot ping any computer on the LAN. | If the **10/100M** LED is off, check the cables between the Prestige and your computer or hub. |
| | Verify that the IP address and the subnet mask of the Prestige and the computers are on the same subnet. |
| I cannot get a WAN IP address from the ISP. | The WAN IP address is provided after the ISP verifies the MAC address, host name or user ID. |
| | Find out the verification method used by your ISP and configure the corresponding fields. |
| I cannot access the Internet. | Make sure the Prestige is turned on and connected to the network. |
| | If the Prestige 's **DSL** LED is off, check the cable between the Prestige and the telephone wall jack. |
| | Make sure you entered your user name correctly.  A username may be case-sensitive. |