

Prestige 2602R Series

ADSL VoIP IAD

Quick Start Guide

Version 3.40
2/2005

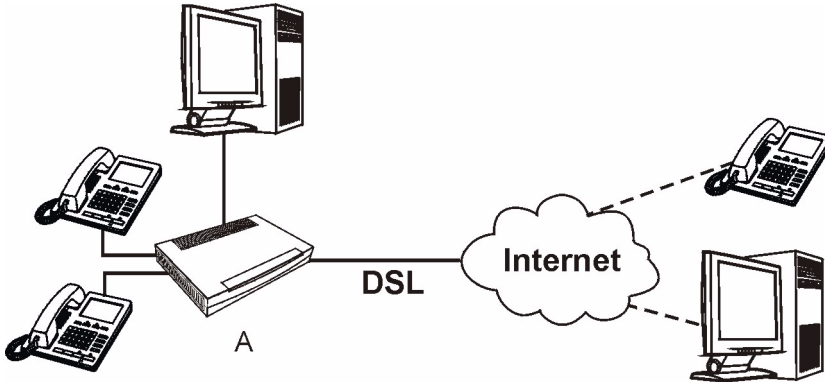


Overview

The Prestige P2602R ADSL VoIP IAD (Integrated Access Device) is an ADSL router with two phone ports for Voice over IP (VoIP) calls.

See the User's Guide for more information on all features.

The following figure shows your Prestige (A) connected to the Internet.

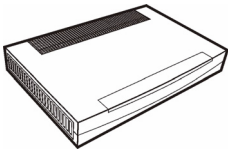


1 Hardware Connections

You need the following before you start:

Note: You may need your Internet access and voice account information.

Prestige



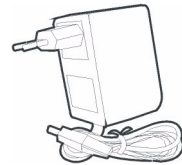
Computer



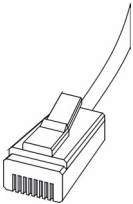
Telephone



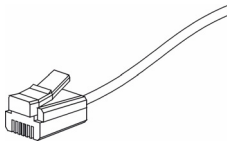
Power Adaptor



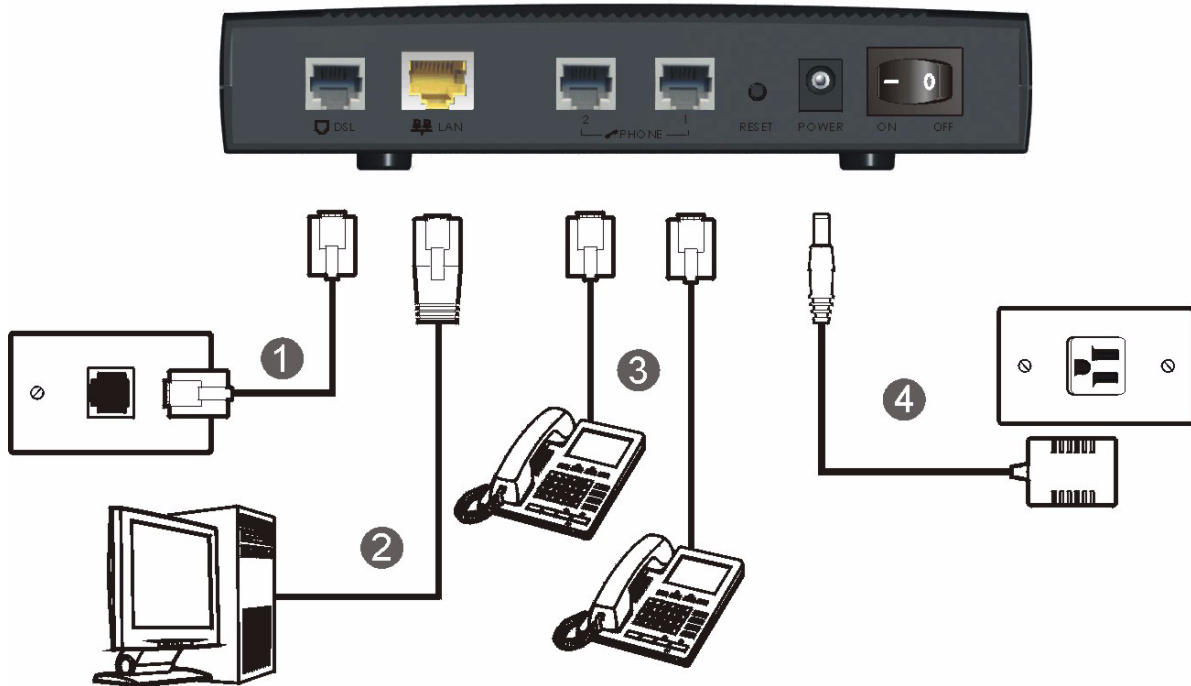
Ethernet Cable



Telephone Cable



Do the following to make hardware connections for initial setup.



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

2 LAN: Use an Ethernet cable to connect a computer or external hub to the **LAN** port for initial configuration and/or Internet access.

3 Phone 1-2: Connect one or more analog telephones to these ports using telephone wires. These are FXS (Foreign Exchange Station) ports.

4 POWER: Use the included power adaptor to connect this power socket to an appropriate power source.

After you've made the connections, set the power switch to the "ON" side to turn on the Prestige.

The **PWR/SYS** LED flashes during system startup and stays on after the system self-tests are successful. The **LAN** and **DSL/PPP** LEDs turn on if the **LAN** and **DSL** ports are properly connected (they flash when sending or receiving data). See your User's Guide for detailed LED descriptions.

2 Initial Configuration

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

- **Zero Configuration**

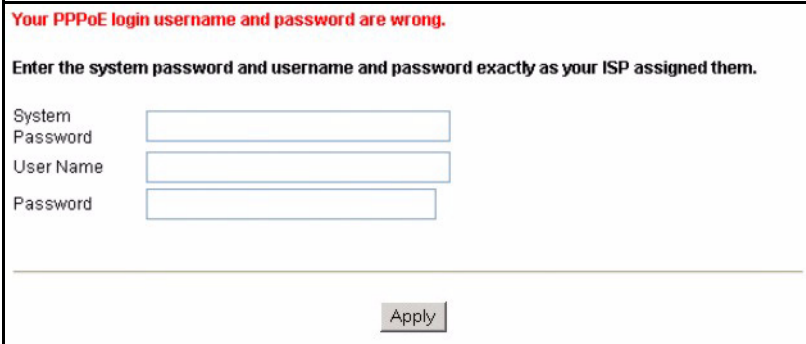
- **Web Configurator Internet Access Wizard**

2.1 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 Internet account information.

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



Your PPPoE login username and password are wrong.

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

System Password

User Name

Password

Apply

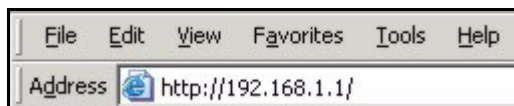
Note: Zero Configuration can only automatically configure the device for Internet access if you are using **PPPoE**, **PPPoA** or **ENET ENCAP** encapsulation with a dynamically-assigned IP address from your ISP.

If you're not using these Internet access settings, then use the web configurator **Internet Access Wizard** to manually configure the device.

If you want to set up a SIP account for VoIP calls, you should also configure the voice configuration wizard screen (see Section 2.2.2 on page 7) or the **Voice** screen under **Advanced Setup**.

2.2 Accessing the Web Configurator

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

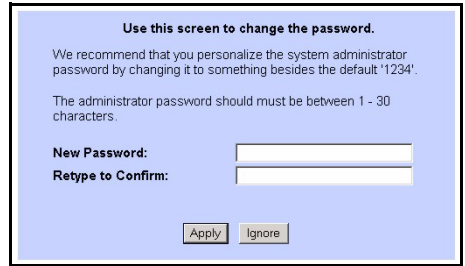


Note: If you do not see the next screen, then please read [Section 3.1 on page 10](#).

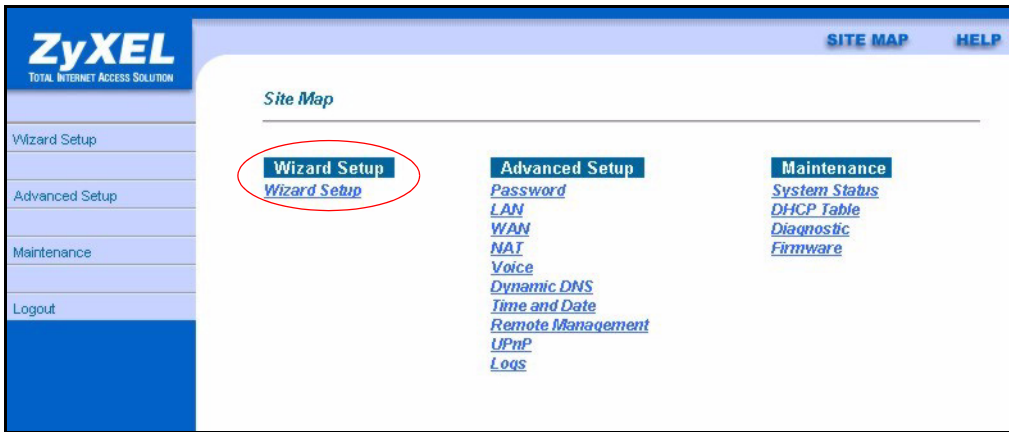
2 Click **Login** (the default password 1234 is already entered).



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



4 In the **Site Map** screen, click **Wizard Setup**.



2.2.1 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.

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.

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**

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

• **PPPoA**

The screenshot shows the 'Wizard Setup - ISP Parameters for Internet Access' screen for PPPoA. It includes fields for 'User Name' and 'Password'. Under 'IP Address', the 'Obtain an IP Address Automatically' radio button is selected. Under 'Connection', the 'Connect on Demand: Max Idle Timeout' is set to 0 seconds. The 'Network Address Translation' dropdown is set to 'SUA Only'. 'Back' and 'Next' buttons are at the bottom.

• **RFC1483**

The screenshot shows the 'Wizard Setup - ISP Parameters for Internet Access' screen for RFC1483. It includes an 'IP Address' field with '0.0.0.0'. The 'Network Address Translation' dropdown is set to 'SUA Only'. 'Back' and 'Next' buttons are at the bottom.

2.2.2 Voice Configuration

3 Fill in the fields with information from your voice service provider. Leave the default settings in fields for which no information was provided (except if otherwise specified).

Note: You should have a voice account already set up.

This screen configures SIP account 1. Use the VoIP screens to configure SIP account 2.

If you have a SIP account like 1234@VoIP-provider.com, "1234" would be the **SIP Number** and "VoIP-provider.com" would be the **SIP Service Domain**.

REGISTER Server Address/Port: If you have no registrar server information, copy what you entered in the **SIP Server Address/Port** fields.

Caller ID: If you want to show identification information when you make VoIP calls, select **Send Caller ID**.

The screenshot shows the 'Wizard Setup - Voice Configuration' screen for 'SIP Account :SIP1'. It is divided into three sections: 'SIP Settings', 'Authentication', and 'Caller ID'.
SIP Settings: Active (checked), SIP Number (52823), SIP Local Port (5060), SIP Server Address (172.22.1.17), SIP Server Port (5060), REGISTER Server Address (172.22.1.17), REGISTER Server Port (5060), SIP Service Domain (172.22.1.17).
Authentication: User-ID (Rudi_3), Password (masked).
Caller ID: Send Caller ID (checked).
 'Back' and 'Next' buttons are at the bottom.

4 Verify your LAN, WAN and SIP 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**
 Multiplexing: **LTC**
 VPI/VCI: **835**
 Service Name:
 User Name: **user@isp.com**
 Password: *********
 IP Address: **Obtain an IP Address Automatically**
 Network Address Translation: **SUA Only**
 Connect on Demand: **Max Idle Timeout 0 sec.**

Voice Information:
 Active: **Yes**
 SIP Number: **ChangeMe**
 SIP Local Port: **5060**
 SIP Server Address: **192.168.1.33**
 SIP Server Port: **5060**
 REGISTER Server Address: **192.168.1.33**
 REGISTER Server Port: **5060**
 SIP Service Domain: **192.168.1.33**
 Authentication User-ID: **ChangeMe**
 Authentication Password: *********
 Caller ID: **Send Caller ID**

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

Change LAN Configuration

Save Settings

5 Click **Save Settings** in the screen shown in step 4 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

Your DSL Gateway is now configured. Your device is capable of testing your DSL service. The individual tests are listed below. Click "Start Diagnose" button if you want to test, otherwise, click "Return to Main Menu" button.

LAN connections
 Test your Ethernet Connection **PASS**

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

Voice connections
 Test Voice Registration **N/A**

Start Diagnose Return to Main Menu

2.3 Speed Dial Configuration

Click **Voice** in the navigation panel and then **Speed Dial** to display the following screen.

Speed dial provides shortcuts for dialing frequently used (VoIP) phone numbers.

You can use speed dial entries for peer-to-peer calls or SIP numbers that use letters.

Select a speed dial key combination.

Enter the SIP number of the party you will call and a name to identify them.

Select **Use Proxy** if calls to this party use your SIP account.

Select **Non-Proxy (Use IP or URL)** if calls to this party use a different SIP server or go directly to the callee's VoIP phone (peer-to-peer). Enter the SIP server's or the party's IP address or domain name.

Click **Add**.

Voice - Speed Dial

Add New Entry

Speed Dial	SIP Number	Name	Type
#01			<input checked="" type="radio"/> Use Proxy <input type="radio"/> Non-Proxy (Use IP or URL)

Add

Speed Dial Phone Book

Speed Dial	SIP Number	Name	Destination	Delete	Edit
#01	52824	test	172.21.3.29	Delete	Edit
#02				Delete	Edit
#03				Delete	Edit
#04				Delete	Edit
#05				Delete	Edit
#06				Delete	Edit
#07				Delete	Edit
#08				Delete	Edit
#09				Delete	Edit
#10				Delete	Edit

Push Button to Clear Phone Book

Clear

2.4 Make Calls Through the Internet

When the **VoIP** LED turns on, your SIP account is registered successfully. Dial a numerical SIP number (like “12345” for example) on your phone’s keypad.

Use speed dial entries for peer-to-peer calls or SIP numbers that use letters. Dial the speed dial entry on your telephone’s keypad.

Use your voice service provider’s dialing plan to call regular telephone numbers.

3 Troubleshooting

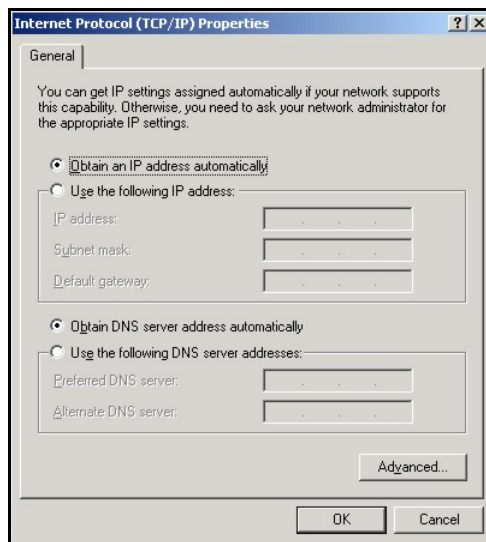
PROBLEM	CORRECTIVE ACTION
None of the LEDs turn on when you connect the Prestige’s power.	<p>Make sure that you have the correct power adaptor connected to the Prestige and an appropriate power source. Make sure that the power source is turned on. Check all cable connections.</p> <p>If the LEDs still do not turn on, you may have a hardware problem. In this case, you should contact your local vendor.</p>
Cannot access the Prestige from my computer.	<p>Check the cable connection from your computer to the Prestige.</p> <p>Make sure your computer’s IP address is in the same subnet as the Prestige’s IP address (see Section 3.1 on page 10).</p> <p>Make sure your computer’s Ethernet adapter is installed and functioning properly.</p> <p>If the Prestige’s IP address has changed, then enter the new one as the URL.</p> <p>Use Internet Explorer 6.0 and later or Netscape Navigator 7.0 and later with JavaScript enabled.</p> <p>Make sure you enter the password correctly (the field is case sensitive).</p> <p>If you’ve changed the Prestige’s password and forgotten it, 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.).</p>
Cannot access the Internet.	<p>Verify the Internet connection settings in the wizard. Make sure you entered the correct user name and password if you are using PPPoE or PPPoA.</p>
There is no dial tone.	<p>Check the telephone connections.</p> <p>You can test the telephone wire by using it to connect a telephone to a regular telephone outlet and checking for a dial tone.</p>

PROBLEM	CORRECTIVE ACTION
Cannot make voice calls.	<p>Make sure you have the wizard screens properly configured.</p> <p>You can also check the Prestige's IP addresses and VoIP status in the Maintenance Status screen.</p> <p>If the VoIP settings are correct, use speed dial to make peer-to-peer calls. If you can make a call using speed dial, there may be something wrong with the SIP server, contact your voice service provider.</p>

3.1 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 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 Win 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.



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.