

# Wired / Wireless ADSL 2/2+ Modem Router

AR-7084A / AR-7084gA  
AR-7084B / AR-7084gB  
Quick Installation Guide  
Version 3.0 / November 2007







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The product you have purchased and the setup screen may appear slightly different from those shown in this QIG. For more detailed information about this product, please refer to the User's Manual on the CD-ROM. The software and specifications subject to change without notice. Please visit our web site [www.edimax.com](http://www.edimax.com) for the update. All right reserved including all brand and product names mentioned in this manual are trademarks and/or registered trademarks of their respective holders

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<http://www.edimax.com> under "Download" page.

## Product Introduction

Thank you for purchasing an Edimax product. This router is a cost-effective router, an ADSL2+ modem, Ethernet network switch and wireless access point (for wireless model only). You can surf the Internet and share the connection through the Edimax router without investing in other devices.

This router can support downstream transmission rates of up to 24Mbps and upstream transmission rates of up to 1Mbps. It supports PPPoA (RFC 2364 - PPP over ATM Adaptation Layer 5), RFC 1483 encapsulation over ATM (bridged or routed), PPP over Ethernet (RFC 2516), and IPoA (RFC1577) to establish a connection with ISP. The product also supports VC-based and LLC-based multiplexing.

With the web management interface, users can easily configure the various functions of the router including DHCP server, NAT, virtual server, DMZ, access control, IP filter, PPTP/IPSec/L2TP pass-through, DDNS, UPnP, and Wireless.

### 1. Minimum Requirements

The following devices are necessary to configure the ADSL2+ Router:

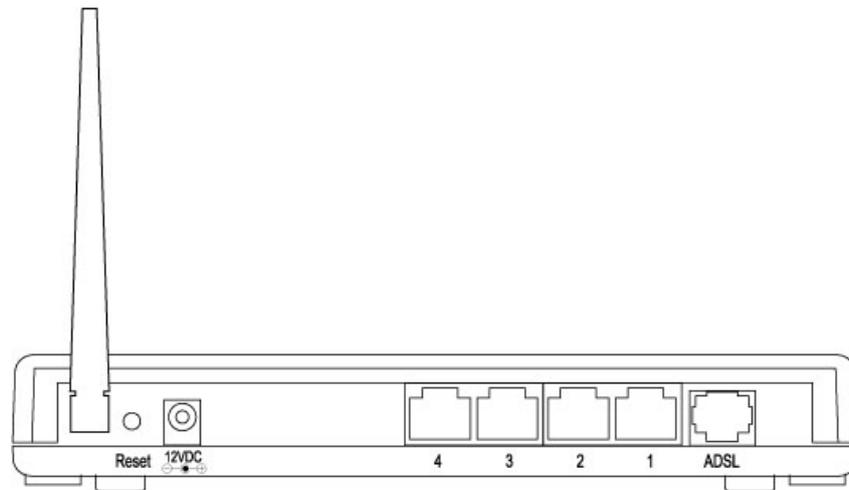
- A PC with an Ethernet Adapter (required) and a Web-Browser (Internet Explorer 4.0 or higher)
- RJ-45 Ethernet crossover cable
- RJ-11 Phone Line

### 2. Product Package

This package contains the following components:

- One ADSL2+ Router (Annex A or B)
- One Dipole Antenna ([only for wireless AR-7084gA or AR-7084gB](#))
- One Power Adapter
- One RJ-45 Ethernet Cable (100 cm)
- One RJ-11 Telephone Line (180 cm)
- One Quick Installation Guide
- One CD-ROM (Including the Setup Wizard, Multi-languages Quick Installation Guide and User's Manual)

## Rear Panel



### 1) Antenna Connector ( For wireless AR-7084gA or AR-7084gB only )

The antenna connector of the router is reverse SMA connector. It allows you to connecting an external antenna with reverse SMA connector to the router easily.

### 2) Reset

The Reset button can be used to reset the router or restore to factory defaults.

- If problems occur with your router, press the router's reset button with a pencil tip (for less than 5 seconds) and the router will re-boot itself, keeping your original configurations.
- If problems persist or you experience extreme problems or you forgot your password, press the reset button for longer than 5 seconds and the router will reset itself to the factory default settings (**warning**: your original configurations will be replaced with the factory default settings)

### 3) Power Jack

Please plug the power adapter attached with the ADSL Router to the power jack. The power adapter is 12VDC, 1A.

### 4) Local Area Network (LAN)

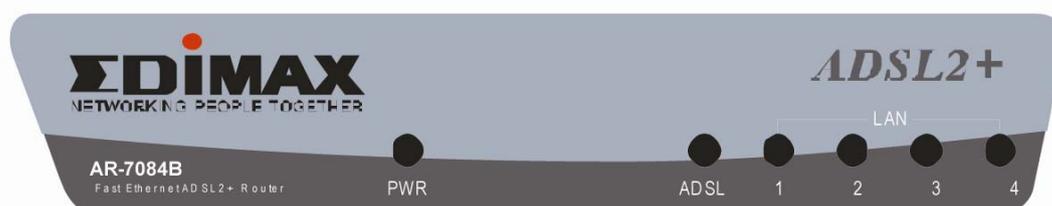
The router's 4 LAN ports are where you connect your LAN's PCs, printer servers, hubs and switches etc.

### 5) ADSL

Connect the supplied RJ-11 telephone line to this port and your ADSL/telephone network.

## Front LEDs

On the router's front panel there are LED lights that inform you of the router's current status. Below is an explanation of each LED and its description.



LED	Light Status	Description
PWR		The router is ready
(Green)		
WLAN	Off	Wireless LAN is disabled
(Yellow)	Blinking	Wireless traffic is transmitting or receiving
ADSL	On	Connected to an ADSL DSLAN successfully
(Green)	Blinking	No connection
LAN	On	The LAN cable is connected to the router
LNK/ACT	Off	No network connection.
(Port	Blinking	Network traffic transferring or receiving through the LAN port
1-4)		

### 3. Install ADSL Router

#### Step 1. Connect the ADSL Line

Connect the router from the WAN port to your telephone socket with micro filter plugged in through the supplied RJ-11 telephone line.

#### Step 2. Connect the router to your LAN network

Connect the router to your PC, hub or switch by attached the Ethernet cable to the LAN port of the router.

#### Step 3. Connect the Power Adapter to the Router

Connect the power adapter to the power jack on the rear panel of router.

#### Step 4. Check ADSL light status

Please check on the front panel of the router for the ADSL LED. The light indicates whether there is broadband going in your telephone line or not. If the light is solid we can proceed to the setup. However, if the light is blinking, please call your Internet Service Provider (ISP) first and inform them about the flashing ADSL light.

### Step 5. Firewall settings.

Please turn off all personal firewall before the setup as they might block the communication of your PC and the router.

**Note :** *You must use the power adapter shipped along with the router , do NOT use any other power adapter from other sources.*

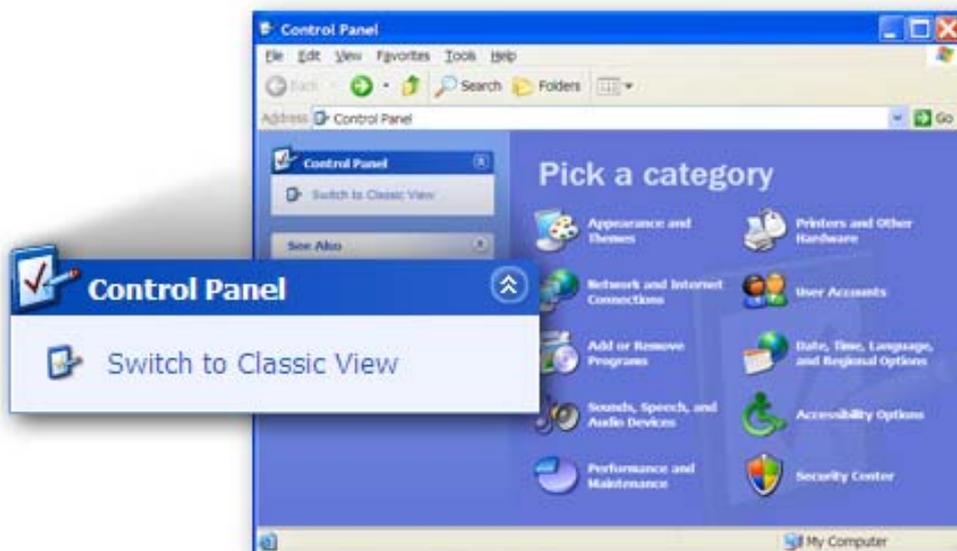
### Step6 : PC LAN IP Configuration

1. Configure the PC LAN setting to automatically obtain an IP address from the router by following below steps.

- Click “**Start**” in the task bar then select the “**Control Panel**” to open it.



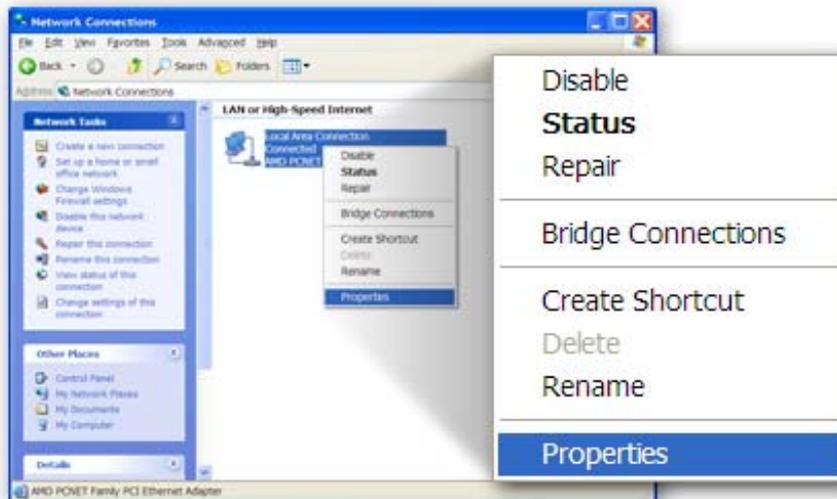
- Click “**Switch to Classic View**” on the left top to see more setting icon...



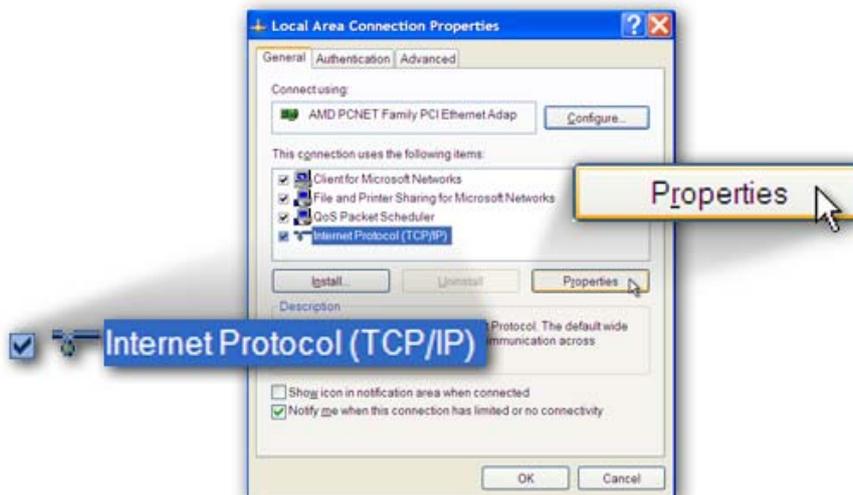
- Find an icon “**Network Connection**” then Double-Click to open the network connection setting.



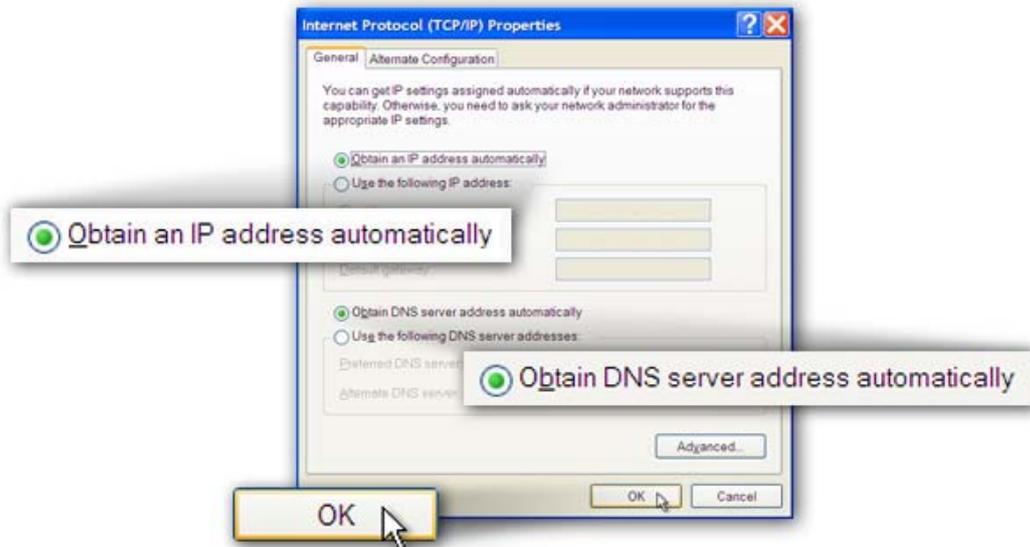
- You will see an icon “**Local Area Connection**”, click the icon then Right-Click the mouse to open the sub-menu and select the “**Properties**” for setting the IP.



- Select the “**Internet Protocol (TCP/IP)**” then click the “**Properties**”



- Ensure the parameter marked in blue are checked in “**Obtain an IP address automatically**” and “**Obtain DNS server address automatically**” then press “**OK**” to close.

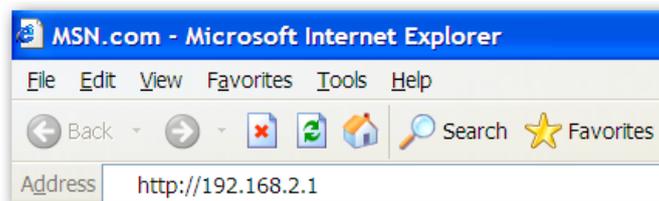


2. Power on sequence for the networking devices and PC.
  - Firstly, power off the modem followed by router and PC.
  - Second, power on the modem.
  - Third power on the router followed by PC for next step.

### **Step 7 : Login ADSL Modem Router**

You can configure the ADSL modem router via the following procedure . The procedure will guide you to login modem router and you can configure all functions here. You also can configure the internet connection via the CD wizard . The CD wizard will guide you to finish the internet connection only . You could not configure other functions via the CD wizard .

1. Enter the router’s default IP address: “**192.168.2.1**” into your PC’s web browser and press “**enter**”.



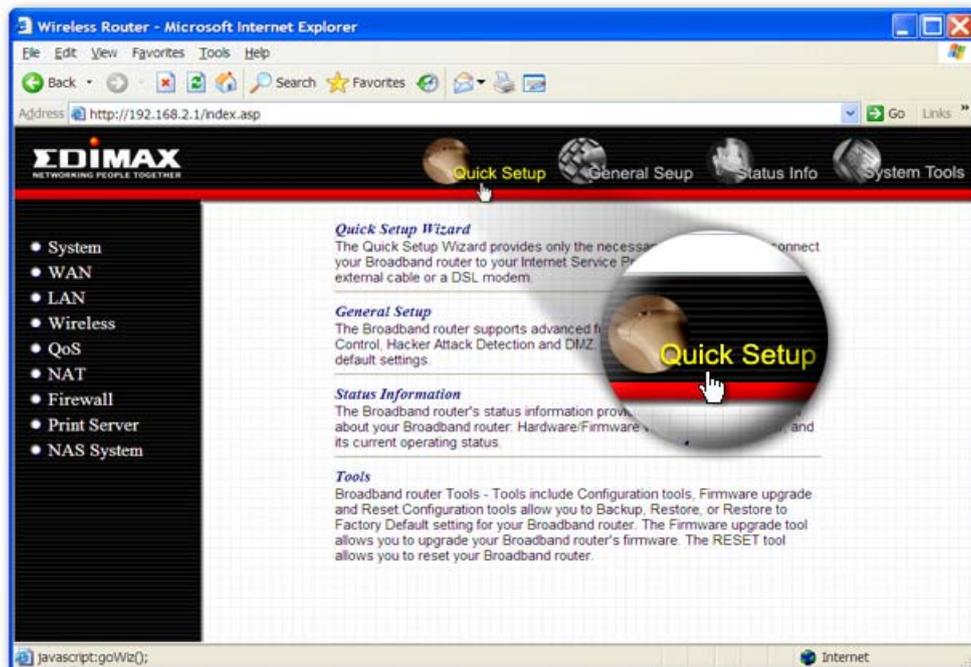
2. The login screen below will appear. Enter the “User Name” and “Password” and click “**OK**” to login.

The default User name is “**admin**” and the Password is “**1234**”,



**Note: It's highly recommended to change and save Router's log-in settings in another location.**

The main page will appear, click "**Quick Setup**" Following example is for "**PPPoE**" WAN setting.



#### 4. ISP Settings

This router provides a setup tool to configure the ADSL settings. To ensure the setup process is straight forward as promised, we introduce you to our setup tool. The wizard has a built in database of the ADSL settings so that the user can easily configure the router's ADSL settings by only selecting the ISP vendor in the wizard.

If you cannot find your ISP information in the wizard, please manually set the ISP information through the wizard .

**Note : You must use the power adapter shipped along with the router , do NOT use any other power adapter from other sources.**

#### 5. Setup Wizard

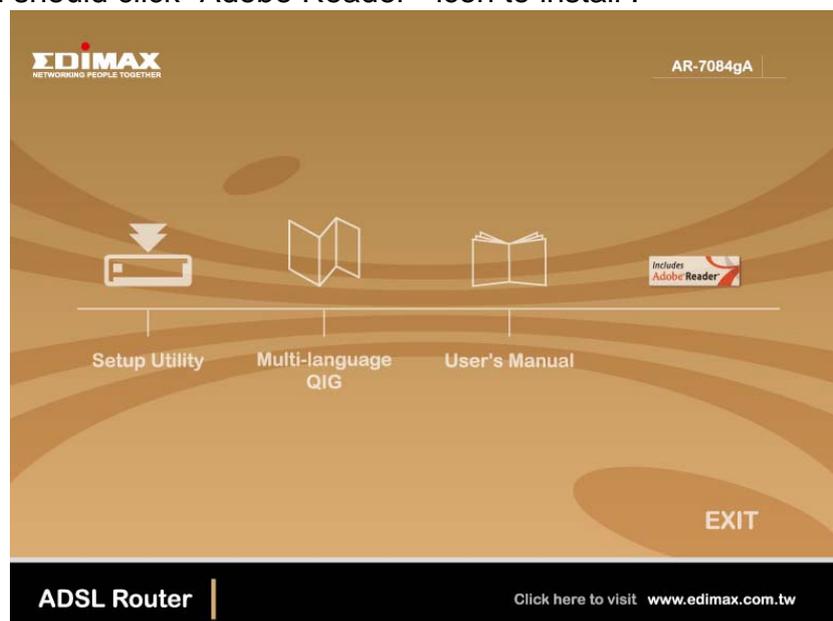
Before you start, please check the following items:

- (A) Please make sure that you have connected the ADSL cable to the router correctly. When the ADSL cable is worked normally, the ADSL LED will be on.
- (B) Uninstall all of dial up programs if you have installed previously for the USB modem or other dial up devices.
- (C) It is recommended to configure the router through the Ethernet cable before you have set the wireless functions correctly

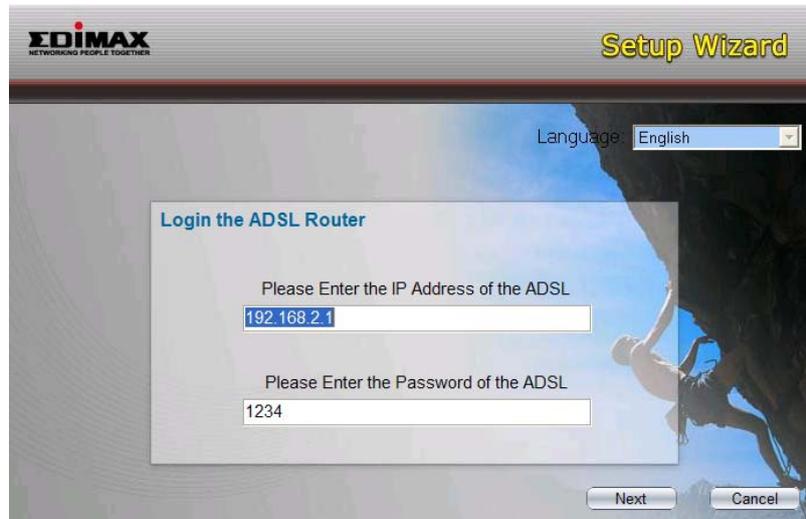
This wizard can be run in Windows 98SE/Me/2000/XP/Vista. The following procedures are operated in Windows XP. (Procedures are similar for Windows 98SE/Me/2000/ Vista.)

#### Start :

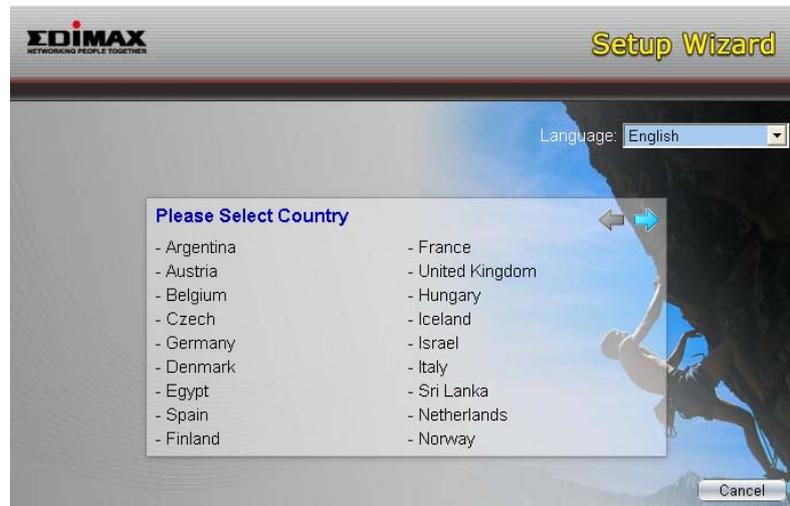
Insert the CD shipped along with the ADSL router into your CD-ROM drive. The Autorun.exe program should be executed automatically. If not, run Autorun.exe manually from "Autorun" folder in the CD. You can click the Setup Wizard to configure WAN connection or click QIG , Manual to study . If your PC do not install Adobe Reader , you should click "Adobe Reader " icon to install .



NOTE : If the router cannot be found, please enter the IP Address and the Password of the router to search again. Click “Next” to continue



Click the “Setup Wizard” , and choose Language and your Country



Choose your ISP from the list. If you cannot find the ISP, please click “Other” to manually configure the ISP information.



### (A) Selected ISP

Please select the ISP (Internet Service Provider) of your ADSL service. Enter the Username and Password which your ISP has provided to you if it is needed. Click "Next".

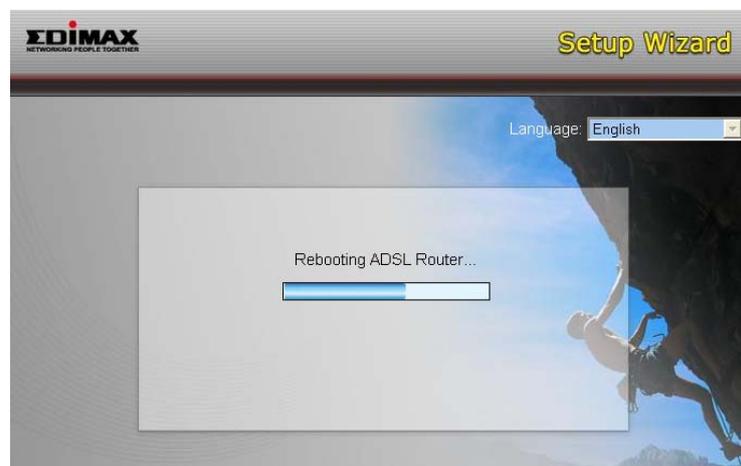


The screenshot shows the EDIMAX Setup Wizard interface. At the top left is the EDIMAX logo with the tagline "NETWORKING PEOPLE TOGETHER". At the top right is the title "Setup Wizard". Below the title is a language dropdown menu set to "English". The main content area is titled "Set your ISP Connection Username and Password:". It contains three input fields: "Username:" with the value "test", "Password:" with "\*\*\*\*\*", and "Confirmed Password:" with "\*\*\*\*\*". At the bottom of the form are three buttons: "Back", "Next" (which is circled in red), and "Cancel".

Click "Save" to save the settings and reboot the router.



The screenshot shows the EDIMAX Setup Wizard interface displaying the "Settings Overview". The EDIMAX logo and "Setup Wizard" title are at the top. The language dropdown is set to "English". The "Settings Overview" section lists the following configuration details: Country: Taiwan, ISP: HiNet, VPI: 0, VCI: 33, Encapsulation: PPPoE LLC, Username: 12345678@hinet.net, and Password: \*\*\*\*\*. At the bottom are three buttons: "Back", "Save", and "Cancel".

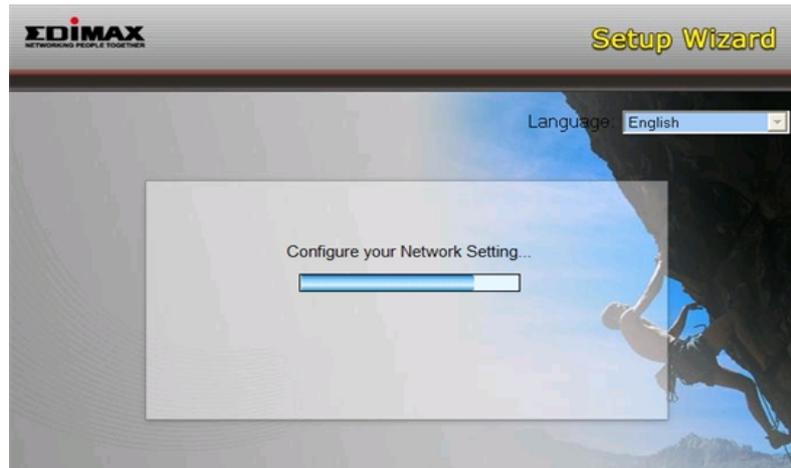


The screenshot shows the EDIMAX Setup Wizard interface during the reboot process. The EDIMAX logo and "Setup Wizard" title are at the top. The language dropdown is set to "English". The main content area displays the text "Rebooting ADSL Router..." above a progress bar that is approximately one-third full.

After saving and rebooting the router, the ISP settings are all finished. This wizard will then help to set your computer to obtain IP address from the router automatically.

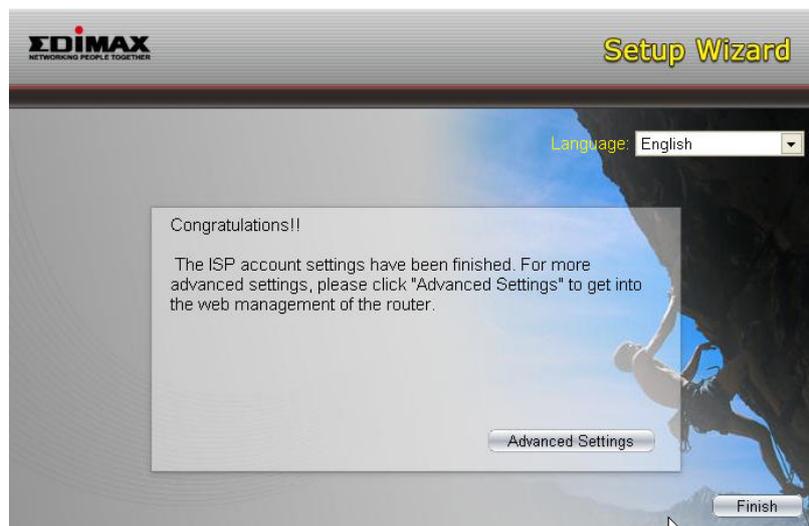
**Note1: To use the router to get into the Internet, the IP Address of each PC has to be set in the same network segment as the router. This wizard will help to set the proper IP Address to your computer.**

**Note2: By default, the router's DHCP Server is enabled. If it is disabled before running the wizard, the wizard will enable the DHCP Server of the router automatically.**



The wizard will try to connect to the ISP you have selected. If the connection is failed, please run the wizard to select the ISP again.

If you can successfully connect to the ISP, you will see below page. If you want to configure more settings, please click "Advanced Settings" to get into the web management of the router or click "Finish" to close the wizard.



### **(B) Manually Set ISP Information**

If you cannot find the ISP from the wizard, please follow the procedures below to set the ISP settings manually.

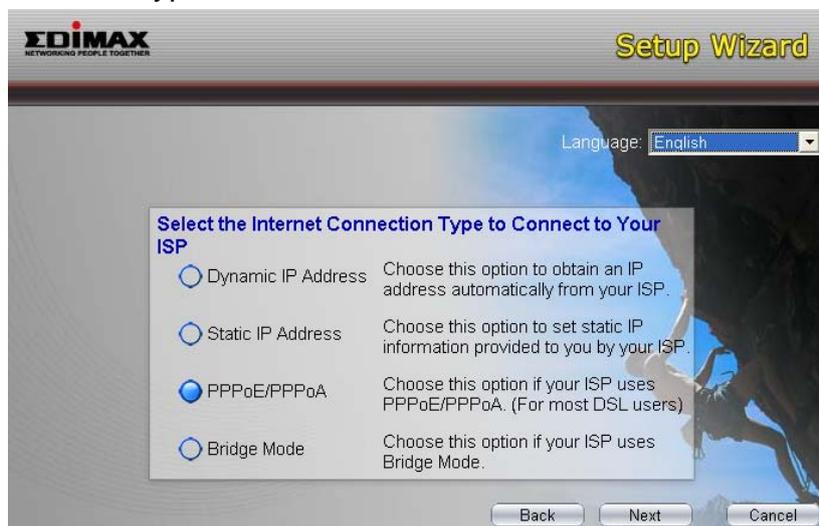
Before configuring the ISP manually, please check with your ISP (Internet Service Provider) about the connection type such as PPPoE, PPPoA or RFC1483/2684. Gather the information as stated in the following table and keep it for reference.

PPPoE	VPI/VCI, VC-based/LLC-based multiplexing, Username, Password (and Service Name).
PPPoA	VPI/VCI, VC-based/LLC-based multiplexing, Username, Password.
RFC1483 Bridged	VPI/VCI, VC-based/LLC-based multiplexing to use Bridged Mode.
RFC1483 Routed	VPI/VCI, VC-based/LLC-based multiplexing, IP Address, Subnet Mask, Gateway Address, and Domain Name System (DNS) IP Address (It is a fixed IP Address).

Please select “Other”



Select the Connection Type and click “Next”.



Input the VPI, VCI and Encapsulation data supplied by your ISP. If the Connection Type is “Static IP Address”, you have to input the IP Address information supplied by your ISP. To know more about the explanation of each setting, please refer to Section 5.2 in the manual.

The screenshot shows the 'Setup Wizard' interface for EDIMAX. At the top left is the EDIMAX logo with the tagline 'NETWORKING PEOPLE TOGETHER'. At the top right is the title 'Setup Wizard'. Below the title is a language selection dropdown menu set to 'English'. The main content area is titled 'Enter the PPPoE/PPPoA Information of Your ISP'. It contains three input fields: 'VPI: 0 (0 ~ 255)', 'VCI: 33 (32 ~ 65535)', and 'Encapsulation: PPPoE LLC'. At the bottom of the form are three buttons: 'Back', 'Next', and 'Cancel'.

Enter the Username and Password provided by your ISP. Click “Next”. Please refer to “**(A)Selected ISP**” for the following steps .

The screenshot shows the 'Setup Wizard' interface for EDIMAX. At the top left is the EDIMAX logo with the tagline 'NETWORKING PEOPLE TOGETHER'. At the top right is the title 'Setup Wizard'. Below the title is a language selection dropdown menu set to 'English'. The main content area is titled 'Set Your ISP Connection Username and Password'. It contains three input fields: 'Username:', 'Password:', and 'Confirmed Password:'. At the bottom of the form are three buttons: 'Back', 'Next', and 'Cancel'.

**Note: Check the manual on the CD for more Internet connection type and other setting details**

## **Federal Communication Commission Interference Statement**

This equipment has been tested and found to comply with the limits for a Class B digital device, pursuant to Part 15 of FCC Rules. These limits are designed to provide reasonable protection against harmful interference in a residential installation. This equipment generates, uses, and can radiate radio frequency energy and, if not installed and used in accordance with the instructions, may cause harmful interference to radio communications.

However, there is no guarantee that interference will not occur in a particular installation. If this equipment does cause harmful interference to radio or television reception, which can be determined by turning the equipment off and on, the user is encouraged to try to correct the interference by one or more of the following measures:

1. Reorient or relocate the receiving antenna.
2. Increase the separation between the equipment and receiver.
3. Connect the equipment into an outlet on a circuit different from that to which the receiver is connected.
4. Consult the dealer or an experienced radio technician for help.

### **FCC Caution**

This device and its antenna must not be co-located or operating in conjunction with any other antenna or transmitter.

This device complies with Part 15 of the FCC Rules. Operation is subject to the following two conditions: (1) this device may not cause harmful interference, and (2) this device must accept any interference received, including interference that may cause undesired operation.

Any changes or modifications not expressly approved by the party responsible for compliance could void the authority to operate equipment.

### **Federal Communications Commission (FCC) Radiation Exposure Statement**

This equipment complies with FCC radiation exposure set forth for an uncontrolled environment. In order to avoid the possibility of exceeding the FCC radio frequency exposure limits, human proximity to the antenna shall not be less than 2.5cm (1 inch) during normal operation.

#### **Federal Communications Commission (FCC) RF Exposure Requirements**

SAR compliance has been established in the laptop computer(s) configurations with PCMCIA slot on the side near the center, as tested in the application for Certification, and can be used in laptop computer(s) with substantially similar physical dimensions, construction, and electrical and RF characteristics. Use in other devices such as PDAs or lappads is not authorized.

This transmitter is restricted for use with the specific antenna(s) tested in the application for Certification. The antenna(s) used for this transmitter must not be co-located or operating in conjunction with any other antenna or transmitter.

**R&TTE Compliance Statement**

This equipment complies with all the requirements of DIRECTIVE 1999/5/EC OF THE EUROPEAN PARLIAMENT AND THE COUNCIL of March 9, 1999 on radio equipment and telecommunication terminal Equipment and the mutual recognition of their conformity (R&TTE)

The R&TTE Directive repeals and replaces in the directive 98/13/EEC (Telecommunications Terminal Equipment and Satellite Earth Station Equipment) As of April 8, 2000.

**Safety**

This equipment is designed with the utmost care for the safety of those who install and use it. However, special attention must be paid to the dangers of electric shock and static electricity when working with electrical equipment. All guidelines of this and of the computer manufacture must therefore be allowed at all times to ensure the safe use of the equipment.

**EU Countries Intended for Use**

The ETSI version of this device is intended for home and office use in Austria, Belgium, Denmark, Finland, France, Germany, Greece, Ireland, Italy, Luxembourg, the Netherlands, Portugal, Spain, Sweden, and the United Kingdom.

The ETSI version of this device is also authorized for use in EFTA member states: Iceland, Liechtenstein, Norway, and Switzerland.

**EU Countries not intended for use**

None











[www.edimax.com](http://www.edimax.com)