

AR-7182WnA / AR-7182WnB



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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 information about this product, please refer to the user manual on the CD-ROM. The software and specifications are subject to change without notice. Please visit our website www.edimax.com for updates. All brand and product names mentioned in this manual are trademarks and/or registered trademarks of their respective holders.

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Note: The images/screenshots used in this manual are for reference only – actual screens may vary according to firmware version. The contents of this manual are based on the most recent firmware version at the time of writing.

1. Product Introduction

1.1. Package Contents

Before you start using this product, please check if there is anything missing in the package and contact your dealer to claim the missing item(s):

- ADSL2+ router (AR-7182WnA or AR-7182WnB)
- 12V power adapter
- 1 meter RJ-45 Ethernet cable
- 1.8M RJ-11 telephone line x 2
- Quick installation guide
- CD containing setup wizard, user manual & multi-language QIG
- Splitter
- 5dBi antenna

1.2. System Requirements

Recommended system requirements are as follows.

- A 10/100 base-T Ethernet card installed in your PC.
- A hub or Switch (connected to several PCs through one of the Ethernet interfaces on the device).
- Operating system: Windows 98 SE, Windows 2000, Windows ME, Windows XP, Windows 7, Windows 8.
- Internet Explorer V5.0 or higher, Netscape V4.0 or higher or Firefox 1.5 or higher.

1.3. Safety Precautions

Follow the following instructions to prevent the device from risks and damage caused by fire or electric power:

- Use volume labels to mark the type of power.
- Use the power adapter included within the package contents.
- Pay attention to the power load of the outlet or prolonged lines. An overburdened power outlet or damaged lines and plugs may cause an electric shock or fire. Check the power cords regularly. If you find any damage, replace it at once.
- Proper space left for heat dissipation is necessary to avoid damage caused by overheating to the device. The long and thin holes on the device are designed for heat dissipation to ensure that the device works normally. Do not cover these heat dissipation holes.

- Do not put this device close to heat sources or high temperatures. Keep the device out of direct sunshine.
- Do not put this device close to a place where it is damp or wet. Do not spill any fluid on this device.
- Do not connect this device to any PCs or electronic products, other than those which you are instructed or recommended to do so in the product's documentation, by our customer engineers or by your broadband provider – connecting to incorrect devices may cause a fire risk.
- Place this device on a stable surface.

1.4. LED Status & Button Definitions

Front Panel



LED	Color	Status	Description
Power	Green	On	ADSL2+ router is on.
Φ		Off	ADSL2+ router Is off.
	Red	On	ADSL broadband initial self-test failed or upgrading firmware.
ADSL	Green	On	ADSL line is synchronized and ready to use.
		Slow Flashing	ADSL synchronization failed (please refer to <i>Note i.</i> below)
		Quick Flashing	ADSL negotiation is in progress.
Internet	Green	On	Internet connected in router mode

		Flashing	Internet activity (transferring/receiving data) in router mode.
		Off	Device in bridged mode.
	Red	On	Internet not connected in router mode (Please refer to <i>Note ii.</i> below).
LAN	Green	On	LAN port connected.
		Flashing	LAN activity (transferring/receiving data).
		Off	LAN port not connected.
WLAN	Green	On	Successful WLAN connection.
Ŷ		Flashing	WLAN activity (transferring/receiving data).
		Off	WLAN connection failed.
WPS	Green	Off	WPS is disabled.
		Flashing	WPS is enabled and waiting for client to negotiate.

- Note i. If the ADSL LED is off, please check your Internet connection. Refer to A. Hardware Installation for more information about how to connect the router correctly. If all connections are correct, please contact your ISP to check if there is a problem with your Internet service.
 - If the Internet LED is red, please check your ADSL LED first.
 If the ADSL LED is off, refer to Note 1. If the green ADSL LED is ON, please check your Internet configuration. You may need to check with your ISP that your Internet is configured correctly.

Rear Panel

Power On/Off Buttor Power Jack	Wireless On/Off Reset Button
Item	Description
Power On/Off Button	Switches the router on or off.
Power	Power port for included 12V power adapter.
Wireless On/Off Button	Switch the wireless signal on or off.
WPS Button	Activate WPS (Wi-Fi Protected Setup)
LAN	RJ-45 Ethernet ports.
Reset Button	Hold for less than 5 seconds to restart the device, and hold for more than 10 seconds to reset the device to factory default settings.
Line	RJ-11 port for standard telephone line.

1.5. Features

The device supports the following features:

- Various line modes
- External PPPoE dial-up access
- Internal PPPoE/PPPoA dial-up access
- 1483Bridged/1483Routed with dynamic ip or static ip
- Multiple PVCs (8 PVCs supported)
- DHCP server/relay
- Static route
- Network Address Translation(NAT)
- DMZ
- Virtual Server
- Universal plug and play (UPnP)
- Dynamic Domain Name Server(DDNS)
- One-level password and username
- Network Time Protocol(NTP)
- Firmware upgrading through Web, TFTP, or FTP
- Resetting to factory defaults through Reset button or Web
- Diagnostic test
- Web interface
- Telnet CLI
- IP/MAC/URL Filter
- Application layer service
- QOS
- Port binding

2. Hardware Installation

1. Connect the ADSL line.

Connect the line port of the router of the device to the modem interface of a splitter using a telephone cable. Connect a telephone to the Phone interface of the splitter using a telephone cable. Connect the Line interface of the splitter to your existing, incoming line.

The splitter has three interfaces:

- Line: Connect to a wall phone jack (RJ-11 jack).
- Modem: Connect to the ADSL jack of the device.
- Phone: Connect to a telephone set.

2. Connect the router to your LAN network.

Connect the LAN interface of the router to your PC, hub or switch using an Ethernet cable.

C Note:

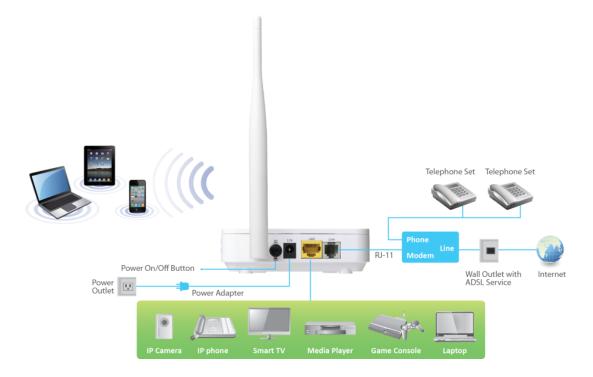
Use twisted-pair Ethernet cables to connect the router to a hub or switch.



3. Connect the power adapter to the router.

Plug one end of the power adapter into a wall outlet and connect the other end to the 12V interface of the device.

The following diagrams show how to correctly connect the router, PC, splitter and the telephone sets under two different configurations:



Configuration 1

0 shows the correct connection of the router, PC, splitter and the telephone sets, with no telephone set placed before the splitter.

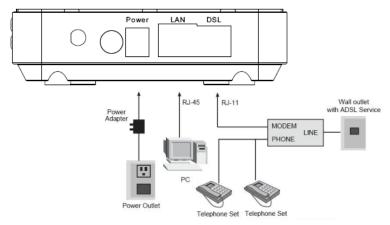


Figure 1 –Connection diagram (Without connecting telephone sets before the splitter)

Configuration 2

0 shows the correct connection when a telephone set is installed before the splitter.

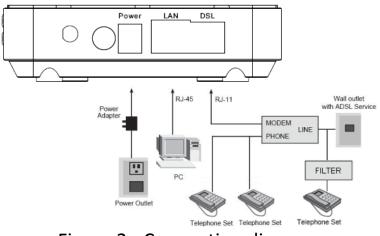


Figure 2 - Connection diagram (Connecting a telephone set before the splitter)

D Note:

When **Configuration 2** is used, the filter must be installed close to the telephone cable. Do not use the splitter to replace the filter.

Installing a telephone directly before the splitter may lead to failure of connection between the device and the central office, or failure of Internet access, or slow connection speed. If you really need to add a telephone set before the splitter, you must add a micro filter before a telephone set. Do not connect several telephones before the splitter or connect several telephones before the splitter or connect several telephones.

4. Check the ADSL LED status.

Please check the ADSL LED on the front panel. This light indicates the status of your ADSL broadband through your telephone line. If the light is on, you can continue setup. However if the light is flashing, there is no broadband line detected. Please call your Internet Service Provider (ISP) and inform them about the flashing ADSL light to resolve the issue.

5. Firewall settings.

Please turn off all personal firewalls before you continue the setup – firewalls can block communication between your PC and router.

Note: You must use the power adapter included in the package with the router, do NOT attempt to use a third-party power adapter.

6. PC LAN IP configuration.

Configure your PC's LAN settings to automatically obtain an IP address from the router by following the steps below:

1. Click "Start" and then select "Control Panel".



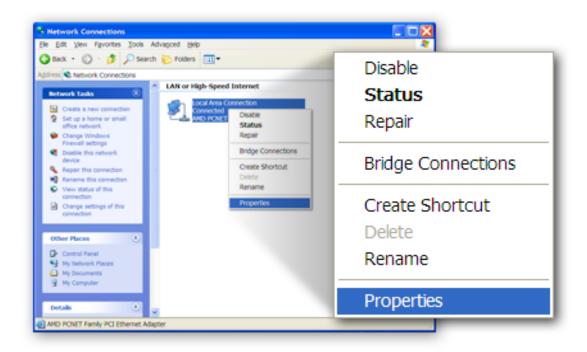
2. Click **"Switch to Classic View"** in the top left to show additional setting icons.



3. Locate the **"Network Connections"** icon and double-click to open network connection settings.



4. Select the **"Local Area Connection"** icon and right-click it to open the sub-menu, then select **"Properties"**.



5. Select "Internet Protocol (TCP/IP)" and then click "Properties"

	General Authentication Advanced	
	Connectusing:	
	AMD PCNET Family PCI Ethemet Adap Configure	
	This connection uses the following items:	
	Cos Packet Scheduler	perties 💦
	Description	
🛛 🐨 Intern	et Protocol (TCP/IP)	
	Show icon in notification area when connected Notify me when this connection has limited or no connectivity	
	OK Cancel	

6. Ensure that **"Obtain an IP address automatically"** and **"Obtain DNS server address automatically"** are selected and then press **"OK"**.

	Internet Protocol (TCP/IP) Properties General Atternate Configuration You can get IP settings assigned automatically if your network supports this capability. Otherwise, you need to ask your network administrator for the appropriate IP settings.
<u> </u>	Obtain DNS server address automatically Use the following DNS server addresses
	Deterned DNS server Afternate DNS server
	Adganced OK Cancel

3. IP Address Setting

To use the router to access the Internet, the PCs in the network must have an Ethernet adapter installed and be connected to the router either directly or through a hub or switch. The TCP/IP protocol of each PC must be installed and the IP Address of each PC has to be set in the same subnet as the router.

The router's default IP Address is **192.168.2.1** and the subnet mask is **255.255.255.0**. PCs can be configured to obtain IP Address automatically through the DHCP Server of the router or a fixed IP Address in order to be in the same subnet as the router. By default, the DHCP Server of the router is enabled and will dispatch IP Address to PC from **192.168.2.100** to **192.168.2.200**. It is strongly recommended to set obtaining IP address automatically.

This section shows you how to configure your PC so that it can obtain an IP address automatically for either Windows 95/98/Me, 2000 or NT operating systems. For other operating systems (Macintosh, Sun, etc.), please follow the manual of the operating system. The following is a step-by-step illustration of how to configure your PC to obtain an IP address automatically for **Windows 8**, **Windows 7**, **Windows Vista and Windows XP**.

3.1. Windows 8

1. From the Windows 8 Start screen, you need to switch to desktop mode. Click the Desktop icon in the bottom left of the screen.



2. Click the Network icon 🔚 and then select Open Network and Sharing Center to open the Network and Sharing Center window.



3. Click Ethernet to open the Ethernet Status window, and then select Properties. The Local Area Connection window will appear.

		Network and Sharing Center	- 0
💿 🍥 – 🕇 🛂 > Control	Panel + All Control Panel Items + Network a	id Sharing Center	V 🕹 🛛 Search Control Panel
File Edit View Tools Help			
Control Panel Home	View your basic network inform	ation and set up connections	
Change adapter settings	View your active networks	1 2 2 2 2	
Change advanced sharing settings	Network 2 Private network	Access type: Internet HomeGroupy: restrict Connection: Q	
	Change your networking settings		
	Set up a new connection or net Set up a broadband, dial-up, or	work VPN connection; or set up a router or access point.	
	Troubleshoot problems Diagnose and repair network pr	oblems, or get troubleshooting information.	
See also			
HomeGroup Internet Options			
Windows Firewall			
A 📁 🙆	6 at 121		- P (2) (1) (1) (1) (1) (1) (1) (1) (1) (1) (1

🕘 - 🕇 👯 🕨 Control	Panel > All Control Panel Items > Network a	nd Sharing Center			V C Search Control Par
		a sharing conce			• • • • • • • • • • • • • • • • • • •
Edit View Tools Help	View your basic network inform	ation and est up connections			
ontrol Panel Home		ation and set up connections			
hange adapter settings	View your active networks		62		
hange advanced sharing	Network 2	Access type: Internet	Ethernel	t Status	
ettings	Private network	HomeGroup: Joined Connections: U Ethemet	General		
	Change your networking settings		Connection	Internet	
	set up a new connection or net	eorth	IPv6 Connectivity:	No Internet access	
		VPN connection; or set up a router or access point.	Media State:	Enabled	
			Duration:	00:03:55	
	Troubleshoot problems		Speed:	100.0 Mbps	
	Diagnose and repair network pr	oblems, or get troubleshooting information.	Details		
			Activity		
			Cent	Decelord	
			Jen	- Received	
			Bytes: 32,664,205	4,668,631	
				A	
			RUDroparties (RUTscable	Diamose	
			arriger des		
				Close	
te also					
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ternet Options			Carrecting: Determet Status General General Pr-(Carrecting: Determent Pr-(Carrecting: No Internations Node State: Determent Determent Determent Determent Seret Determent Seret Restrice Rest		
indows Firewall					

4. Check your list of Network Components. Select Internet Protocol Version 4 (TCP/IPv4) and click the Properties button.

Connect using:		
Broadcom 44	0x 10/100 Integrated Cor	ntroller
		Configure
This connection use	es the following items:	
Microsoft L	Vetwork Adapter Multiplex LDP Protocol Driver	
 Link-Layer Internet Pro- 	Topology Discovery Map Topology Discovery Resp otocol Version 6 (TCP/IP otocol Version 4 (TCP/IP)	ponder (6)
Link-Layer Internet Pro	Topology Discovery Resp otocol Version 6 (TCP.4P	vonder (6)
 ✓ Link-Layer ✓ Internet Pro ✓ Internet Pro 	Topology Discovery Resp otocol Version 6 (TCP/IP) otocol Version 4 (TCP/IP)	(4)

5. In the Internet Protocol Version 4 (TCP/IPv4) Properties window, select Obtain an IP address automatically and Obtain DNS server address automatically as shown on the following screen.

Internet Protocol Version 4 (TC	CP/IPv4) Properties ? ×
General Alternate Configuration	
You can get IP settings assigned auto this capability. Otherwise, you need to for the appropriate IP settings.	
Obtain an IP address automatica	lly
Use the following IP address:	
IP address:	
Subnet mask:	
Default gateway:	
Obtain DNS server address autor	matically
Use the following DNS server add	dresses:
Preferred DNS server:	
Alternate DNS server:	
Validate settings upon exit	Advanced
	OK Cancel

6. Click OK (shown above) to confirm the setting. Your PC will now obtain an IP address automatically from your router's DHCP server.

Note: Please make sure that the router's DHCP server is the only DHCP server available on your LAN.

3.2. Windows 7

- 1. Click the Start button and select Control Panel. Double click Network and Internet and click Network and Sharing Center, the Network and Sharing Center window will appear.
- 2. Click Change adapter settings and right click on the Local Area Connection icon and select Properties. The Local Area Connection window will appear.
- 3. Check your list of Network Components. You should see Internet Protocol Version 4 (TCP/IPv4) on your list. Select it and click the Properties button.

4. In the Internet Protocol Version 4 (TCP/IPv4) Properties window, select Obtain an IP address automatically and Obtain DNS server address automatically as shown on the following screen.

General	Alternate Configuration				
this cap	n get IP settings assigned au bability. Otherwise, you nee appropriate IP settings.				
0	btain an IP address automat	tically			
- O U	e the following IP address:				
<u>I</u> P a	ddress:				
Sybr	net mask:				
Defa	ult gateway:		-		
0	btain DNS server address au	utomatically			
- © U:	se the following DNS server	addresses:			
Pref	erred DNS server:	•			
<u>A</u> lter	mate DNS server:				
V	alidate settings upon exit			Adv	anced

5. Click OK to confirm the setting. Your PC will now obtain an IP address automatically from your router's DHCP server.

Note: Please make sure that the router's DHCP server is the only DHCP server available on your LAN.

3.3. Windows Vista

- 1. Click the Start button and select Settings and then select Control Panel. Double click Network and Sharing Center, the Network and Sharing Center window will appear.
- 2. Click Manage network connections and right click on the Local Area Connection icon and select Properties. The Local Area Connection window will appear.

- 3. Check your list of Network Components. You should see Internet Protocol Version 4 (TCP/IPv4) on your list. Select it and click the Properties button.
- 4. In the Internet Protocol Version 4 (TCP/IPv4) Properties window, select Obtain an IP address automatically and Obtain DNS server address automatically as shown on the following screen.

eneral	Alternate Configuration				
this cap	n get IP settings assigned a bability. Otherwise, you nee appropriate IP settings.				
<u>o</u>	otain an IP address automa	tically			
- O U <u>s</u>	e the following IP address:				
<u>I</u> P ad	ddress:	+	<u>.</u>	+	
Sybr	net mask:				
<u>D</u> efa	ult gateway:	() ()	0	а. С	
() ()	tain DNS server address a	utomatically			
-O Us	se the following DNS server	addresses:			
Pref	erred DNS server:	(14	- 22	
<u>Å</u> lter	nate DNS server:		11		
				Adva	anced

5. Click OK to confirm the setting. Your PC will now obtain an IP address automatically from your router's DHCP server.

Note: Please make sure that the router's DHCP server is the only DHCP server available on your LAN.

3.4. Windows XP

- 1. Click the Start button and select Control Panel and then double click Network Connections. The Network Connections window will appear.
- 2. Right click on the Local Area Connection icon and select Properties. The Local Area Connection window will appear.

- 3. Check your list of Network Components. You should see Internet Protocol [TCP/IP] on your list. Select it and click the Properties button.
- 4. In the Internet Protocol (TCP/IP) Properties window, select Obtain an IP address automatically and Obtain DNS server address automatically as shown on the following screen.

Internet	Protocol (TCP/IP) Prop	erties 🛛 🖓 🗙					
General	Alternate Configuration						
You can get IP settings assigned automatically if your network supports this capability. Otherwise, you need to ask your network administrator for the appropriate IP settings.							
<u>o o</u>	btain an IP address automatica	ally					
	$_{ m se}$ the following IP address: —						
IP ac	ddress:						
Subr	net mask:	· · · · · ·					
<u>D</u> efa	ult gateway:						
0	gtain DNS server address auto	matically					
OU	se the following DNS server ac	ddresses:					
Prefe	erred DNS server:						
Alter	nate DNS server:						
		Ad <u>v</u> anced					
		OK Cancel					

5. Click OK to confirm the setting. Your PC will now obtain an IP address automatically from your router's DHCP server.

Note: Please make sure that the router's DHCP server is the only DHCP server available on your LAN.

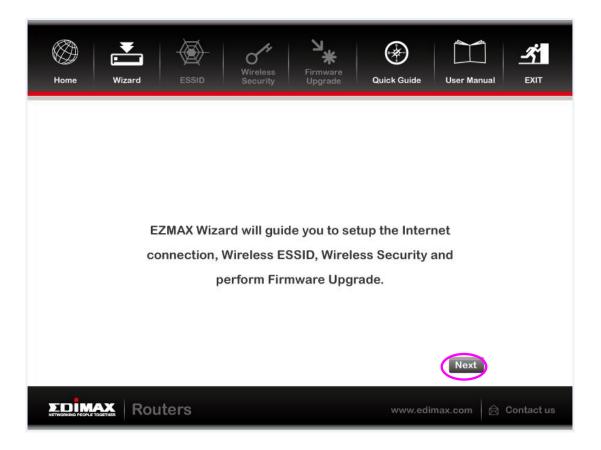
4. EZmax Setup Wizard

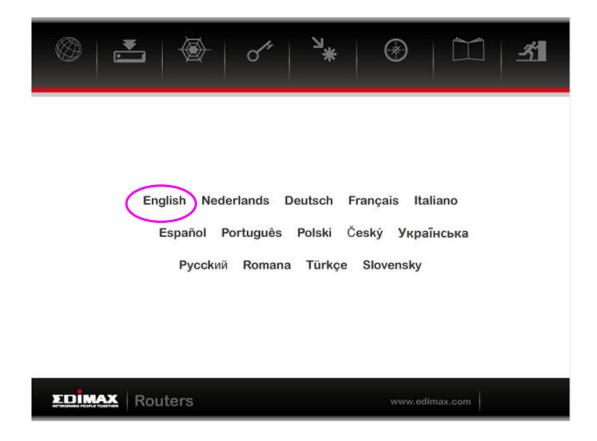
You can configure the router by running the setup wizard on the CD-ROM included in the package contents. The wizard enables you to configure your Internet connection, upgrade the firmware and change the router's password. Please follow the instructions below.

Alternatively, if you lose the CD-ROM or prefer a web based setup, you can login to the ADSL router using Internet Explorer, and configure the router from there using the web-based interface. Instructions for how to do so can be found in **5. Web Configuration.**

4.1. Setup Wizard

1. When you start the setup wizard, you will see the following screen. Please choose a language and follow the on screen instructions.

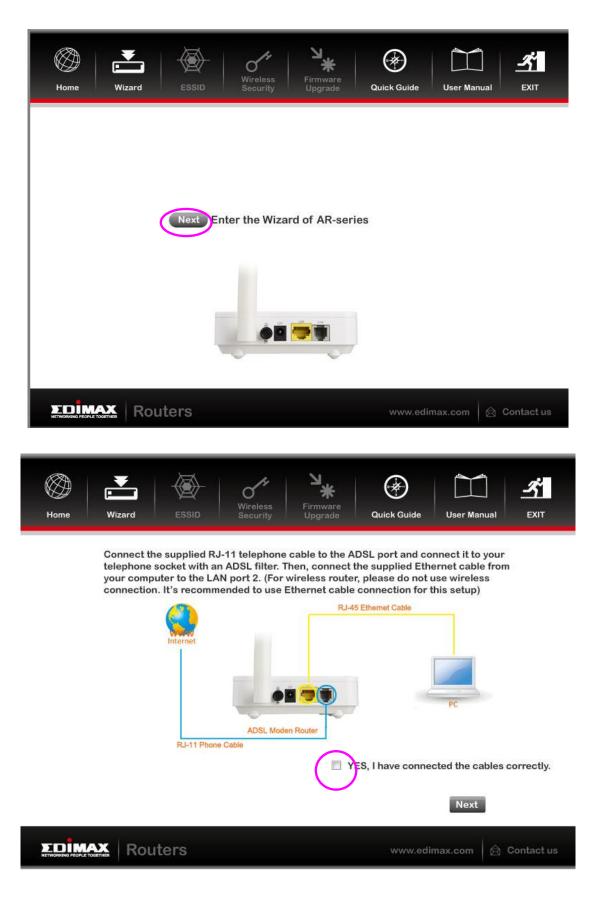


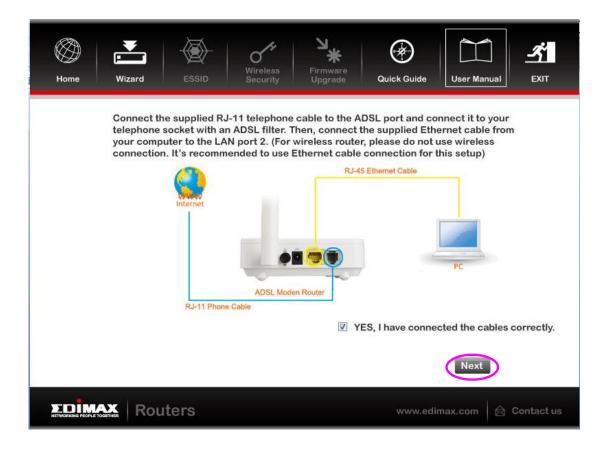


2. Please select your product.

Home	Wizard	ESSID	Wireless Security	Firmware Upgrade	Quick Guide	User Manual	EXIT
			Produc	t Туре			
		AR	2-7182WnA	AR-7182V	VnB		
		ers			www.edin	nax.com	Contact us

3. Please ensure all hardware is correctly installed. Check the box and click "Next".





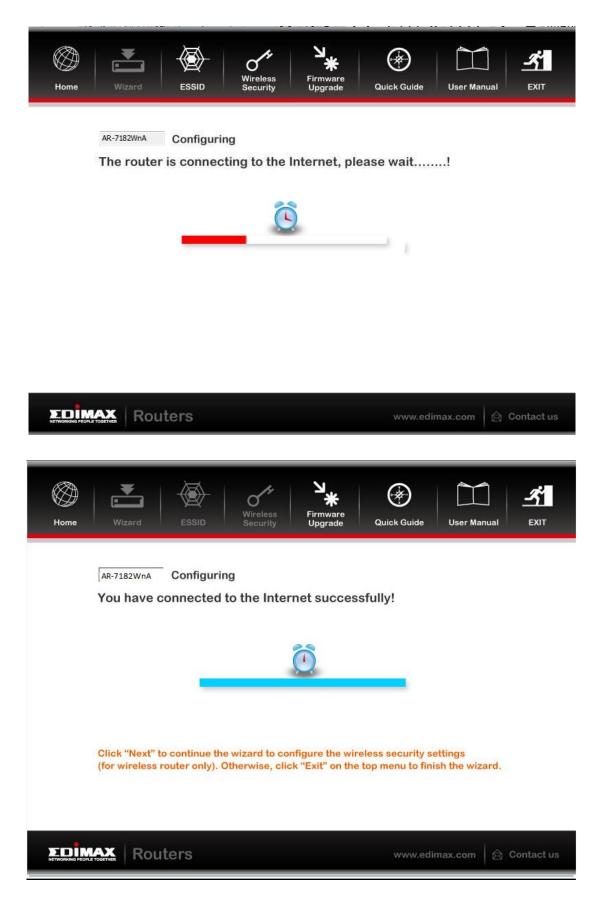
4. Select your country and ISP. If your ISP is not listed, select "Other" from the list and refer to **4.2. Internet Connection Type.**

Ø 📩	The state of the s	۲ *	(<u> </u>
Home Wizard	ESSID Securit		Quick Guide	User Manual	EXIT
AR-7182WnA	Interr Configuring	iet Connecti	on		
	country and ISP. If the	ne country or ISI	P is not listed, I	please select	
"Others" fro	om the list.				
	0				
	Country	Germany		- -	
		1&1 Internet Anderer Provider uber DF	-U-Netzwerk (PPPoE Dire		
		AOL (mind. AOL8.0 mit H Arcor			
		Congster Deutsche Telecom DTAG		Next	
		Freenet GMX		vext	
	iters	Hansenet Lycos Netcologne Tiscali T-Online / DTAG / Deutsc	he Telecom	com 🛛 🚖 🤇	Contact us

5. Enter your ISP's username and password and click "Apply". On the next screen, click "Apply" again.

Home Wizard ESSID Security	s Firmware Vpgrade Quick Guide User Manual EXIT
AR-7182WnA Configuring Enter your ISP's username and p	et Connection bassword. (Your ISP should have provided contact your ISP if you forget the username
EDIMAX Routers	Back Apply www.edimax.com <table-cell> Contact us</table-cell>
Home Wizard ESSID Wireless	
AR-7182WnA Configuring	ngs Overview
Country: ISP:	Germany 1&1 Internet
VPI:	
VCI:	
Connection Type:	ADSLTYPE_PPPOE_LLC Back Apply
	www.edimax.com 🛛 🖄 Contact us

6. Please wait while the router connects to the Internet. When the router is connected successfully, you will see the screen below.



4.2. Internet Connection Type

If your country or ISP is not listed, please select "Other" from the list.

Home	Wizard		Wireless Security	Firmware Upgrade	Quick Guide	User Manual	EXIT
AR-	7182WnA	Configurin		Connectio	on		
		country and m the list.	ISP. If the c	ountry or ISF	P is not listed, p	olease select	
			Country: Oth	er		• •	
	Rou	ters			www.edir	nax.com	Contact us

Then select your Internet connection type and click "Next". If you are not sure, please contact your Internet Service Provider (ISP).

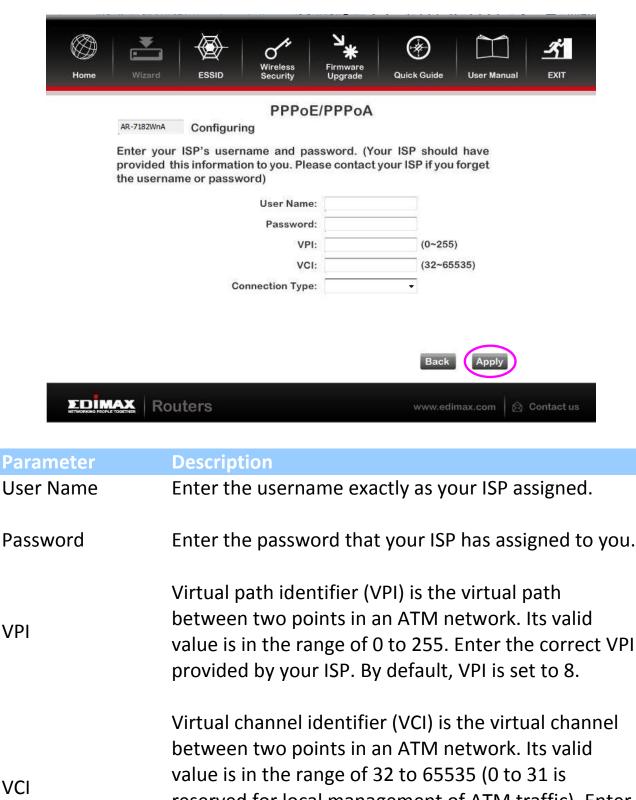
Home Wizard ESSID Security Upgrade Quick Guide User Manual EXIT							
Internet Connection Type AR-7182WnA Configuring							
Please select your Internet Connection Type. If you are not sure, please contact your Internet Service Provider (ISP).							
 PPPoE/PPPoA (ISP provides you "Username", "Password" and "VCI") Bridge Mode (ISP provides you "VPI" and "VCI" only) Dynamic IP Address (ISP provides you "VPI" and "VCI" only) Static IP Address (ISP provides you "IP Address eg : 168.95.1.1" and "VPI") 							
Back							
Routers www.edimax.com							
30							

Depending on your selection, please refer to the appropriate chapter:

- **4.2.1. PPPoE/PPPoA**
- 4.2.2. Bridge Mode
- 4.2.3. Dynamic IP Address
- 4.2.4. Static IP

Parameter	Description
ΡΡΡοΕ/ΡΡΡοΑ	PPPoE (PPP over Ethernet) and PPPoA (PPP over ATM) are common connection methods used for xDSL.
Bridge Mode	Bridge Mode is a common connection method used for xDSL modems.
Dynamic IP Address	Obtain an IP address automatically from your service provider.
Static IP Address	Uses a static IP address. Your service provider gives a static IP address to access Internet services.

4.2.1. **PPoE/PPPoA**



reserved for local management of ATM traffic). Enter the correct VCI provided by your ISP. By default, VCI is set to 35.

Connection type Please check with your ISP the method of

multiplexing. In PPPoE/PPPoA mode, please select "PPPoE LLC", "PPPoE VCMUX", "PPPoA LLC" or "PPPoA VCMUX".

4.2.2. Bridge Mode

Home Wizard ESSID Security	Firmware		<mark>хіт</mark>
Bridge AR-7182WnA Configuring Enter the Bridge Information of Your			
VPI: VCI: Connection Type:		(0~255) (32~65535)	
		Back Apply	
NETWORKING FEOLE TOBETHER		www.edimax.com 🛛 🖄 Conta	act us

Parameter	Description			
VPI	Virtual path identifier (VPI) is the virtual path between two points in an ATM network. Its valid value is in the range of 0 to 255. Enter the correct VPI provided by your ISP. By default, VPI is set to 8.			
VCI	Virtual channel identifier (VCI) is the virtual channel between two points in an ATM network. Its valid value is in the range of 32 to 65535 (0 to 31 is reserved for local management of ATM traffic). Enter the correct VCI provided by your ISP. By default, VCI is set to 35.			
Connection Type	Please check with your ISP the method of			
22				

multiplexing. In Bridge Mode, please select "ADSLTYPE_ROUTER_LLC" or "ADSLTYPE_ROUTER_VCMUX".

4.2.3. Dynamic IP Address

Home Wizard		rmware pgrade Quick G) Dide User Manual	A
	Dynamic IP	Address		
	Configuring			
Enter the Dyna	mic Connection Information	on of Your ISP		
	VPI:		(0~255)	
	VCI: Connection Type:	•	(32~65535)	
			Back Apply	
	rs	wv	vw.edimax.com	Contact us
Parameter	Description			
VPI	Virtual path ide between two pe valid value is in the correct VPI default, VPI is se	oints in an the range provided b	ATM networ of 0 to 255.	rk. Its Enter
VCI	Virtual channel channel betwee network. Its val 65535. (0 to 31 management of VCI provided by to 35.	en two poir id value is is reserveo f ATM traff	nts in an ATN in the range d for local fic) Enter the	/I of 32 to correct

Connection Type Please check with your ISP the method of multiplexing. In Bridge Mode, please select "ADSLTYPE_ROUTER_LLC" or "ADSLTYPE_ROUTER_VCMUX".

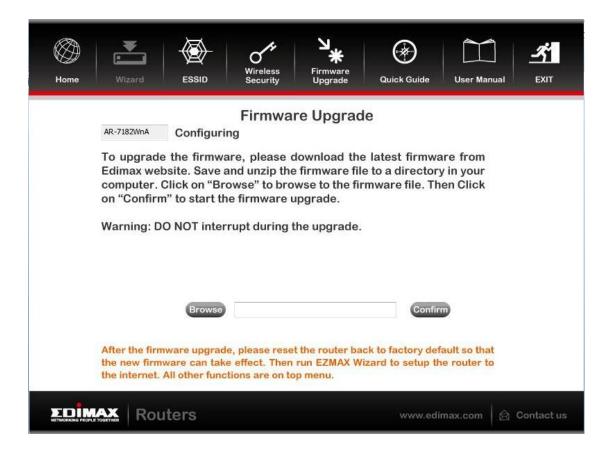
4.2.4. Static IP

Home Wizard	ESSID Security	Firmware Upgrade Q	uick Guide	User Manual	EXIT			
AR-7182WnA Configuring								
Enter the Static	: IP Address Information	n of Your ISP						
	VPI:		(0~255)					
	VCI:	4	(32~655	35)				
	IP Address:							
	Subnet mask:	5 4 S						
	ISP Gateway:		•					
	Connction Type:		•					
ETWORKING PEOPLE TOUETHER	rs		www.edim	ax.com	Contact us			
Parameter	Description							
VPI	Virtual path id between two valid value is i the correct VP default, VPI is	points in a n the rang I provide	an ATM ge of 0	l networ to 255. E	k. Its Enter			
VCI	Virtual channe channel betwe network. Its va 65535. (0 to 3 management o	een two p alid value 1 is reserv	oints ir is in th ved for	n an ATM e range local	1 of 32 to			

	VCI provided by your ISP. By default, VCI is set to 35.
Static IP Address	Enter the IP Address assigned by your ISP.
IP Subnet Mask	Enter the Subnet Mask assigned by your ISP.
Gateway	Enter the Gateway assigned by your ISP.
Connection Type	Please check with your ISP the method of multiplexing. In Bridge Mode, please select "ADSLTYPE_ROUTER_LLC" or "ADSLTYPE_ROUTER_VCMUX".

4.3. Firmware Upgrade

The wizard includes a tool to upgrade the router's firmware. Firmware can be downloaded from the Edimax website; if you wish to upload new firmware, select "Firmware Upgrade" from the menu across the top of the screen.



5. Web Configuration

The router can also be configured using the web-based configuration interface. Follow the instructions below.

5.1. Accessing the Router

To access the web-based configuration interface:

1. Open the Internet Explorer (IE) browser and enter <u>http://192.168.2.1</u>.

2. In the **Login** page that is displayed, enter the username and password.

- The username and password of the super user are **admin** and **1234**.
- The username and password of a common user are **user** and **user**.

Connect to 192.1	68.1.1 ? 🔀
	GE
DSL Router	
<u>U</u> ser name:	🔮 admin 🔛
<u>P</u> assword:	••••
	<u> </u>
	OK Cancel

Discrete:

In the Web configuration page, the settings can be saved permanently.

5.2. Status

In the navigation bar, click **Status**. In the **Status** page that is displayed contains **Device Info**, **System Log** and **Statistics**.

5.2.1. Device Info

Choose **Status** > **Device Info**. The page that is displayed shows the current status and some basic settings of the router, such as model number, software version, LAN, WAN and ADSL information.

	Quick						ADSL Router
Status	Start	Interface Setup	Advanced Setup	-	Access Management	Maintenance	Status
	Device Info	System L	og Sta	tistics			
Device Information							
		Model Name :	AR-7182WnA				
		Software Version :	V1.0.1				
1.41		MAC Address :	00:1f:a4:92:89:	1f			
LAN		IP Address :	192.168.2.1				
		Subnet Mask :	255.255.255.0				
		DHCP Server :	Enabled				
WAN							
		Virtual Circuit :	PVC0 V				
		Status :	Not Connected				
		Connection Type :	Bridge				
		IP Address :	N/A				
		Subnet Mask :	N/A				
		Default Gateway :	N/A				
		Primary DNS :	N/A				
		Secondary DNS :	N/A				
ADSL							
	ADSL	Firmware Version :	FwVer:3.20.29.	0_TC3087	HwVer:T14.F7_11.2		
		Line State :		-	-		
		Modulation :	N/A				
		Annex Mode :	N/A				
_			Downstream	Upstream			
		SNR Margin :		N/A	 db		
		Line Attenuation : Data Rate :		N/A N/A	db		
		Data Rate :	N/A	INVA	kbps		

5.2.2. System Log

Choose **Status** > **System Log**, the page shown in the following figure appears. In this page, you can view, clear or save the system log.

Status	Quick Start Device Info	Interface Setup System	Setup	Access Management tics	Maintenance	Status
System Log						
	1/1/2000 (1/1/2000 (1/1/2000 (1/1/2000 (1/1/2000 (1/1/2000 (1/1/2000 (0:0:4> Last 0:0:4> ethe: 0:0:7> MPOA 0:0:7> LAN I 0:0:7> Last 0:0:7> SNMP 0:0:7> main	promiscuous m errorlog rep TRAP 0: cold : init comple	peat 1 Times fail mode <1> peat 1 Times i start eted	<	
	1/1/2000 (0:8:33> ADSI	ime task paus L: L1 Recover st errorlog r			
			CLEAR LOG	SAVE LOG		

5.2.3. Statistics

Choose Status > Statistics. The Statistics page that is displayed contains Ethernet Statistics, ADSL Statistics and WLAN Statistics.

5.2.3.1. Ethernet Statistics

In the Traffic Statistics page, click **Ethernet** and the page shown in the following figure appears. In this page, you can view the statistics such as total Bytes, Collision, Error Frames and CRC Errors.

Status	Quick Start	Interface Setup	Advanced Setup	Access Management	Maintenance	Status
	Device Info	System	Log Statistics			
Traffic Statistics			Ethernet O ADSL C			
		ransmit Statist			eive Statistics	
	Transmit Fra		123	Receive Frames		134
	Transmit Mu	lticast Frames	251	Receive Multicas	t Frames	196
	Transmit tota	al Bytes	8171	Receive total Byt	es	39657
						33037
	Transmit Col	llision	0	Receive CRC Err		0

5.2.3.2. ADSL Statistics

In the Traffic Statistic page, click **ADSL** and the page shown in the following figure appears. In this page, you can view the ADSL line statistics such as total PDUs, total Error Counts.

Status			anced etup	Access Management	Maintenance	Status
	Device Info	System Log	Statistics			
Traffic Statistics		Interface : CEthern	et 💿 ADSL 🔘	WLAN		
	Tran	smit Statistics		Rece	ive Statistics	
	Transmit total PD)Us	0	Receive total PDU	s	0
	Transmit total Er	ror Counts	0	Receive total Erro	or Counts	0
		REFRES	H			

5.2.3.1. WLAN Statistics

In the Traffic Statistic page, click **WLAN** and the page shown in the following figure appears. In this page, you can view the WLAN statistics such as transmit/receive frames count, errors count and drops count.

Status	Quick I Start	internated frame	anced etup N	Access lanagement	Maintenance	Status
	Device Info	System Log	Statistics			
Traffic Statistics						
		Interface : 🔘 Ethern	et 🔿 ADSL 💿 V	VLAN		
	Tra	nsmit Statistics		Rece	ive Statistics	
	Tx Frames Co	unt	12342	Rx Frames Count		80883
	Tx Errors Cou	nt	0	Rx Errors Count		352393
	Tx Drops Cour	nt	0	Rx Drops Count		352393
		REFRES				

5.3. Quick Start

The **Quick Start** page will guide you to configure the ADSL router to connect to your ISP (Internet Service Provider). The following sections describe these various configuration parameters. Whether you configure these parameters or use the default ones, click **NEXT** to enable your Internet connection.

When subscribing to a broadband service, you should be aware of the method by which you are connected to the Internet. Your physical WAN device can be either PPP, ADSL or both. Technical information about your

Internet connection is provided by your Internet service provider (ISP). For example, your ISP provides you with the IP address (a static or dynamic IP address) for connecting to the Internet, and the protocol for communication on the Internet.

In the navigation bar, click **Quick Start**. The page as shown in the following figure appears.

Quick Start	Quick Start	Interface Setup	Advanced Setup	Access Management	Maintenance	Status
Start Quick Start					siness networking, The	
		ck Start' wizard rnet Service Pro		onfigure the ADSL rout	ter to connect to your IS	p
			RUN WIZARD			

1. Click **RUN WIZARD**, there will pop up a new page as shown in the following figure appears.

Quick Start	
The Wizard will guide you through these four quick steps. Begin by clic	king on NEXT.
Step 1. Set your new password	
Step 2. Choose your time zone	
Step 3. Set your Internet connection	
Step 4. Wireless network configuration	
Step 5. Save settings of this ADSL Router	
	NEXT EXIT

2. Click EXIT, this page will be closed. Click NEXT, the page as shown in the following figure appears.

Quick Start - Password	
You may change the admin account password by entering in to continue.	n a new password. Click NEXT
New Password :	
Confirmed Password :	
	BACK NEXT EXIT

In this page, enter a new password for the admin account. After finishing all quick start settings, it will be saved and effect immediately. **3.** Click **NEXT**, the page as shown in the following figure appears.

Quick Start - Time Zone	
Select the appropriate time zone for your location and click NEXT to continue.	
(GMT) Greenwich Mean Time : Dublin, Edinburgh, Lisbon, London	
BACK NEXT EXIT	

In this page, you can select a local time zone.

4. Click **NEXT**, the page as shown in the following figure appears.

Quick Start - ISP Connection Type						
Select the Internet connection to	Select the Internet connection type to connect to your ISP. Click NEXT to continue.					
Auto setup by ISP list	Choose from ISP List to set your ISP information.					
Oynamic IP Address	Choose this option to obtain a IP address automatically from your ISP.					
O Static IP Address	Choose this option to set static IP information provided to you by your ISP.					
	Choose this option if your ISP uses PPPoE/PPPoA. (For most DSL users)					
O Bridge Mode	Choose this option if your ISP uses Bridge Mode.					

BACK NEXT EXIT

You may select Auto setup by ISP list, Dynamic IP Address, Static IP Address, PPPoE/PPPoA or Bridge Mode.

5.3.1. Auto setup by ISP list

Select **Auto setup by ISP list**, click **NEXT**, and the page as shown in the following figure appears.

Quick Start - Auto setup by ISP list
Choose from ISP List to set your ISP information. Click NEXT to continue.
Country: (Click to select)
ISP: (Click to select) 💟
VPI: (Enter a ni (0~255)
VCI: (Enter a ni (1~65535)
Connection Type: 1483 Bridged IP VC-Mux(Bridge)
BACK NEXT EXIT

The following table describes the parameters in this page:

Field	Description
Country	Select the country you are in.
ISP	Select your Internet Service Provider (ISP).
	Virtual path identifier (VPI) is the virtual path between two
VPI	points in an ATM network. Its valid value is between 0 and
	255. Enter the correct VPI provided by your ISP.
	Virtual channel identifier (VCI) is the virtual channel between
VCI	two points in an ATM network. Its valid value is between 1
	and 65535. Enter the correct VCI provided by your ISP.
Connection	Select a connection type from the dropdown list. You may
Connection	select PPPoE/ PPPoA/ Dynamic IP/ Static IP/ Routered IP/
Туре	Bridge.

5.3.2. Bridge Mode

Select **Bridge Mode**, click **NEXT**, and the page shown in the following figure will appear.

Quick Start - Bridge Mode

Enter the bridge information provided to you by your ISP. Click NEXT to continue.

VPI:	8 (0~255)			
VCI:	35 (1~65535)			
Connection Type:	1483 Bridged IP LLC	*		
			BACK NEXT EXIT	

The following table describes the parameters in this page:

Field	Description
	Virtual path identifier (VPI) is the virtual path between two
VPI	points in an ATM network. Its valid value is between 0 and
	255. Enter the correct VPI provided by your ISP. By default,
	VPI is set to 8 .
	Virtual channel identifier (VCI) is the virtual channel between
VCI	two points in an ATM network. Its valid value is between 1
VCI	and 65535. Enter the correct VCI provided by your ISP. By
	default, VCI is set to 35 .
Connection	You can select LLC or VC-Mux. In this example, the
Туре	encapsulation mode is set to 1483 Bridged IP LLC.

5.3.3. Dynamic IP Address

For configuration method, please refer to that of Auto setup by ISP list Select **Auto setup by ISP list**, click **NEXT**, and the page as shown in the following figure appears.

Quick Start - Auto setup k	oy ISP list
Choose from ISP List to set your	r ISP information. Click NEXT to continue.
Country:	(Click to select)
ISP:	(Click to select)
VPI:	(Enter a ni (0~255)
VCI:	(Enter a ni (1~65535)
Connection Type:	1483 Bridged IP VC-Mux(Bridge)
	BACK NEXT EXT

The following table describes the parameters in this page:

Field	Description
Country	Select the country you are in.
ISP	Select your Internet Service Provider (ISP).
	Virtual path identifier (VPI) is the virtual path between two
VPI	points in an ATM network. Its valid value is between 0 and
	255. Enter the correct VPI provided by your ISP.
	Virtual channel identifier (VCI) is the virtual channel between
VCI	two points in an ATM network. Its valid value is between 1
	and 65535. Enter the correct VCI provided by your ISP.
Connection	Select a connection type from the dropdown list. You may
Connection	select PPPoE/ PPPoA/ Dynamic IP/ Static IP/ Routered IP/
Туре	Bridge.

Bridge Mode.

Static IP Address

Select **Static IP Address**, click **NEXT**, and the page as shown in the following figure will appear.

Quick Start - Static IP Address

Enter the static IP information p	rovided to you by your ISP. Click NEXT to continue.
VPI:	8 (0~255)
VCI:	35 (1~65535)
IP Address:	0.0.0.0
Subnet mask:	
ISP Gateway:	0.0.0.0
Connection Type:	1483 Bridged IP LLC
	BACK NEXT EXIT

Field	Description
	Virtual path identifier (VPI) is the virtual path between two
VPI	points in an ATM network. Its valid value is between 0 and
	255. Enter the correct VPI provided by your ISP. By default,

Field	Description
	VPI is set to 8 .
	Virtual channel identifier (VCI) is the virtual channel between
	two points in an ATM network. Its valid value is between 1
VCI	and 65535. Enter the correct VCI provided by your ISP. By
	default, VCI is set to 35 .
IP Address	Enter the IP address provided by your ISP.
Subnet	Enter the subnet mask provided by your ISP.
Mask	
ISP	Enter the default gateway provided by your ISP.
Gateway	
Connection	You can select LLC or VC-Mux. In this example, the
Туре	encapsulation mode is set to 1483 Bridged IP LLC.

5.3.1. PPPoE/PPPoA

Select **PPPoE/PPPoA**, click **NEXT**, and the page as shown in the following figure will appear.

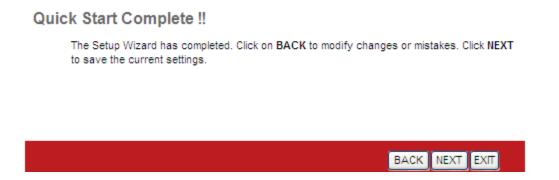
Quick Start - PPPoE/PPPoA

Username:		
Password:		
VPI:	8 (0~255)	
VCI:	35 (1~65535)	
Connection Type:	PPPoE LLC	
	BA	CK NEXT EXIT

Field	Description
Username	Enter the username for PPPoE dial-up, which is provided by
	your ISP.
Password	Enter the password for PPPoE dial-up, which is provided by
	your ISP.
VPI	Virtual path identifier (VPI) is the virtual path between two
	points in an ATM network. Its valid value is between 0 and

Field	Description
	255. Enter the correct VPI provided by your ISP. By default,
	VPI is set to 8 .
	Virtual channel identifier (VCI) is the virtual channel between
	two points in an ATM network. Its valid value is between 1
VCI	and 65535. Enter the correct VCI provided by your ISP. By
	default, VCI is set to 35 .
Connection	You can select LLC or VC-Mux. In this example, the
Туре	encapsulation mode is set to PPPoE LLC .

After setting, click **NEXT**, the page as shown in the following figure appears.



Click **BACK** to modify the settings. Click **NEXT** to save the settings. Click **EXIT** to cancel the settings.

🛄 Note:

After you saving the settings in the **Quick Start** page, you can view this wan connection settings in the **Interface Setup** > **Internet** page.

5.4. Interface Setup

In the navigation bar, click **Interface Setup**. The **Interface Setup** page that is displayed contains **Internet**, **LAN** and **Wireless**.

5.4.1. Internet

Choose Interface Setup > Internet. The Internet page that is displayed contains ATM VC, Qos, IPv4/IPv6 and Encapsulation.

Click **Internet** pane, the page shown in the following figure appears. In this page, you can configure the WAN interface of your router.

Field	Description
Virtual Circuit	Select a virtual circuit from the drop-list. Click PVCs Summary to view eight PVCs (from PVC0 to PVC7), and only PVC0 status is activated by default.
Status	You can select Activated or Deactivated for currently selected virtual circuit.
VPI	The virtual path between two points in an ATM network, ranging from 0 to 255.
VCI	The virtual channel between two points in an ATM network, ranging from 1 to 65535.
ATM QoS	Select the Quality of Service types for this Virtual Circuit. The ATM QoS types include CBR (Constant Bit Rate), VBR (Variable Bit Rate) and UBR (Unspecified Bit Rate). These QoS types are all controlled by the parameters specified below, including PCR, SCR and MBS. You can choose

Field	Description
	CBR, UBR, rtVBR, or nrtVBR.
PCR	Peak cell rate (PCR) is the maximum rate at which cells can be transmitted along a connection in the ATM network.
SCR	Sustain cell rate (SCR) is the maximum rate that traffic can pass over PVC without the risk of cell loss.
MBS	Maximum burst size (MBS) is the maximum number of cells that can be transmitted at the PCR.
IP Version	Supports IPv4/v6 Dual Stack Internet Protocol. You can select IPv4, IPv4/IPv6 or IPv6.
ISP	You can choose Dynamic IP Address, Static IP Address, PPPoA/PPPoE or Bridge Mode.

Configuration for different encapsulation modes are described below with the IP Version set to IPv4/IPv6.

If your ISP provides an IP address automatically, you may select **Dynamic IP** in the **ISP** encapsulation. Dynamic IP is typically used for Cable services. Please enter the Dynamic IP information accordingly.

IPv4/IPv6	
	IP Version : O IPv4 () IPv4//Pv6 () IPv6
Encapsulation	
	ISP: 💿 Dynamic IP Address
	O Static IP Address
	O PPPoA/PPPoE
	O Bridge Mode
Dynamic IP	
IP Common Options	
	Encapsulation : 1483 Bridged IP LLC
	IP Unnumbered : O Activated O Deactivated
	Default Route : 💿 Yes 🔿 No
	TCP MTU Option : TCP MTU(default:1500) 1492 bytes
IPv4 Address	
	NAT : Enable
	Dynamic Route : RIP2-B 🗸 Direction : None 🗸
	Multicast : Disabled V
10.0.0.0	
IPv6 Address	
	IPv6 Message Fetch Type : Dynamic Mode
	DHCP IPv6 Enable : 🔘 DHCP 💿 SLACC
	DHCP PD Enable : 💿 Enable 🔘 Disable
	MLD Proxy : 🔘 Enable 💿 Disable
Dual Stack Lite	
	Enable : O Enable O Disable
	SAVE

Field	Description	
IP Common Option	IP Common Options	
Encapsulation	You can choose 1483 Bridged IP LLC, 1483 Bridged IP VC-Mux, 1483 Routed IP LLC(IPoA) or 1483 Routed IP VC-Mux.	
IP Unnumbered	You can choose Activated or Deactivated .	
Default Route	You can enable or disable the default route. If enabled, the current PVC will be the default gateway to the Internet from this device.	
TCP MTU Option	You can set a TCP MTU value. The range is from 100 to 1500. The default is 1492 .	
IPv4 Address		
NAT	Select whether to enable Network Address Translation (NAT) function. If you do not enable NAT, you must add a route on the uplink equipment, otherwise Internet access will fail. Normally NAT is enabled.	

Field	Description
Dynamic Route	Select this option to specify the Routing Information protocol (RIP) version. You can select RIP1 , RIP2-B or RIP2-M .
Direction	You can select None , Both , IN Only or OUT Only to specify the RIP direction. None is for disabling the RIP function. Both means the ADSL Router will periodically send routing information and accept routing information then incorporate into routing table. IN only means the ADLS router will only accept but will not send RIP packets. OUT only means the ADLS router will only send but not accept RIP packets.
Multicast	IGMP (Internet Group Multicast Protocol) is a session-layer protocol used to establish membership in a multicast group. The ADSL Router supports both IGMP version 1 (IGMP v1) and IGMP version 2 (IGMP v2). Select Disabled to disable it.
IPv6 Address	
DHCP IPv6 Enable	Provide address assignment to hosts to include DHCP in local pools. You can choose DHCP or SLAAC .
DHCP PD Enable	IPv6 Prefix Delegation Options for DHCPv6. You may enable or disable DHCP PD.
MLD Proxy	You may enable or disable MLD Proxy. Mld proxy is enabled only for route mode. It works in an IPv6 environment.
Dual Stack Lite	
Enable	You may Enable or Disable Dual Stack Lite. The ADSL Router support IPv4/v6 Dual Stack Internet Protocol.

Select **Static IP Address** in the **ISP** encapsulation to set static IP information. You will need to enter the Connection type, IP address, subnet mask and gateway address provided by your ISP. Each IP address entered must be in the correct IP format, which is four IP octets separated by a dot (x.x.x.x). The router will not accept an IP address if it is not in this format.

IPv4/IPv6	
	IP Version : O IPv4 () IPv4/IPv6 () IPv6
Encapsulation	
	ISP: O Dynamic IP Address
	Static IP Address
	O PPPoA/PPPoE
	O Bridge Mode
Static IP	
IP Common Options	
	Encapsulation : 1483 Routed IP LLC(IPoA)
	Default Route : 💿 Yes 🔘 No
	TCP MTU Option : TCP MTU(default:1500) 1492 bytes
IPv4 Options	
	Static IP Address : 0.0.0.0
	IP Subnet Mask : 0.0.0.0
	Gateway : 0.0.0.0
	NAT : Enable 🗸
	Dynamic Route : RIP2-B 💙 Direction : None 💙
	Multicast: Disabled 🔽
IPv6 Options	
	IPv6 Message Fetch Type : Static Mode
	IPv6 Address : ::: // 0
	IPv6 Default Getway : :::
	IPv6 DNS Server1 : ::
	IPv6 DNS Server2 : ::
	MLD Proxy: O Enable 💿 Disable
Dual Stack Lite -	
	Enable : O Enable 💿 Disable
	SAVE

Field	Description	
IP Common Op	IP Common Options	
Encapsulation	You can choose 1483 Bridged IP LLC, 1483 Bridged IP VC-Mux, 1483 Routed IP LLC(IPoA) or 1483 Routed IP VC-Mux.	
Default Route	You can enable or disable default route.	
TCP MTU Option	You can set a TCP MTU value. The range is from 100 to 1500. The default is 1492 .	
IPv4 Options		
Static IP Address	You can enter the IP address for dial-up, which is provided by your ISP.	

Field	Description
IP Subnet Mask	You can enter the IP subnet mask for dial-up, which is provided by your ISP.
Gateway	You can enter the gate way IP for dial-up, which is provided by your ISP.
NAT	Select whether to enable Network Address Translation (NAT) function. If you do not enable NAT, you must add a route on the uplink equipment, otherwise Internet access will fail. Normally NAT is enabled.
Dynamic Route	You can select RIP1, RIP2-B or RIP2-M .
Direction	You can select None, Both, IN Only or OUT Only.
Multicast	IGMP (Internet Group Multicast Protocol) is a session-layer protocol used to establish membership in a multicast group. The ADSL Router supports both IGMP version 1 (IGMP-v1) and IGMP version 2 (IGMP-v2). Select Disabled to disable it.
IPv6 Options	
IPv6 Address	Set Static IPv6 address.
IPv6 Default Gateway	Set Static IPv6 Gateway.
IPv6 DNS Server1	Set Static IPv6 DNS1.
IPv6 DNS Server2	Set Static IPv6 DNS2.
MLD Proxy	You may enable or disable MLD Proxy. MLD proxy is enabled only for route mode. It works in an IPv6 environment.
Dual Stack Lite	
Enable	You may Enable or Disable the Dual Stack Lite. The ADSL Router support IPv4/v6 Dual Stack Internet Protocol.

Select **PPPoA/PPPoE** in the **ISP** encapsulation if your ISP requires you to use a PPPoE connection. This option is typically used for DSL services. Select Dynamic PPPoE to obtain an IP address automatically for your PPPoE connection. Select Static PPPoE to use a static IP address for your PPPoE connection. Please enter the information accordingly.

10.410.0	
IPv4/IPv6	IP Version : O IPv4 O IPv4/Pv6 O IPv6
Encapsulation	
Ensapediation	
	ISP : O Dynamic IP Address Static IP Address
	PPP0A/PPP0E
	O Bridge Mode
PPPoE/PPPoA	
PPPOE/PPPOA	
	Servicename :
	Username :
	Password :
	Encapsulation : PPPoE LLC
	IP Unnumbered : 🔘 Activated 💿 Deactivated
Connection Setting	
	Connection : Always On (Recommended)
	Connect On-Demand (Close if idle forminutes)
	Connect Manually
IP Common Options	TCP MSS Option : TCP MSS(default:1400) 1400 bytes
re common options	Default Route : 💿 Yes 🔘 No
IPv4 Address	0
	Get IP Address : 🔘 Static 💿 Dynamic
	Static IP Address : 0.0.0.0
	IP Subnet Mask : 0.0.0.0
	Gateway : 0.0.0.0
	TCP MTU Option : TCP MTU(default:1500) 1492 bytes
	NAT: Enable
	Dynamic Route : RIP2-B 💙 Direction : None 💙
	Multicast : Disabled 💌
IPv6 Address	
	DHCP IPv6 Enable : O DHCP 💿 SLACC
	DHCP PD Enable :
	MLD Proxy : O Enable O Disable
Dual Stack Lite	
	Enable : 🔘 Enable 📀 Disable
	SAVE

U	
Field	Description
Servicename	You can set the service name.
Username	Enter the username for PPPoE dial-up, which is provided by your ISP.
Password	Enter the password for PPPoE dial-up, which is provided by your ISP.

Field	Description
Encapsulation	You can choose PPPoE LLC , PPPoE VC-Mux , PPPoA LLC or PPPoA VC-Mux .
IP Unnumbered	Select Activated or Deactivated.
Connection Set	ting
Connection	You can choose Always On (Recommended), Connect On-Demand or Connect Manually.
TCP MSS Option	You can set a TCP MSS value. The range is from 100 to 1452. The default is 1400 .
IP Common Op	tions
Default Route	You can enable or disable default route.
IPv4 Address	
Get IP Address	You can choose Static or Dynamic .
Static IP Address	You can enter the IP address for dial-up, which is provided by your ISP.
IP Subnet Mask	The default is 255.255.255.255 .
Gateway	You can enter the gateway IP for dial-up, which is provided by your ISP.
TCP MTU Option	You can set a TCP MTU value. The range is from 100 to 1500. The default is 1492 .
NAT	Select whether to enable Network Address Translation (NAT) function. If you do not enable NAT, you must add a route on the uplink equipment, otherwise Internet access will fail. Normally NAT is enabled.
Dynamic Route	You can select RIP1, RIP2-B or RIP2-M .
Direction	You can select None, Both, IN Only or OUT Only.
Multicast	IGMP (Internet Group Multicast Protocol) is a session-layer protocol used to establish membership in a multicast group. The ADSL Router supports both IGMP version 1 (IGMP v1) and IGMP version 2 (IGMP

Field	Description						
	v2). Select Disabled to disable it.						
IPv6 Address							
DHCP IPv6 Enable	Provide address assignment to hosts to include DHCP in local pools. Choose DHCP or SLAAC .						
DHCP PD Enable	IPv6 Prefix Delegation Options for DHCPv6. You may enable or disable DHCP PD.						
MLD Proxy	You may enable or disable MLD Proxy. MLD proxy is enabled only for route mode. It works in an IPv6 environment.						
Dual Stack Lite							
Enable	You may Enable or Disable the Dual Stack Lite. The ADSL Router support IPv4/v6 Dual Stack Internet Protocol.						

Select **Bridge Mode** in the **ISP** encapsulation if you want to use pass-through transmission mode.

IPv4/IPv6	
	IP Version : O IPv4 () IPv6 O IPv6
Encapsulation	
	ISP : O Dynamic IP Address
	Static IP Address
	O PPPoA/PPPoE
	 Bridge Mode
Dual Stack Lite	
	Enable : 🔘 Enable 💿 Disable
Bridge Mode	
	Encapsulation : 1483 Bridged IP LLC
	SAVE DELETE

Field	Description
Dual Stack Lite	
Enable	You may Enable or Disable the Dual Stack Lite. The ADSL Router supports IPv4/v6 Dual Stack Internet Protocol.

Field	Description
Encapsulation	You can choose 1483 Bridged IP LLC or 1483 Bridged IP VC-Mux.

After finishing, click **SAVE** to apply the settings of this PVC.

5.4.2. LAN

Choose Interface Setup > LAN. The LAN page that is displayed contains Router Local IP, DHCP Server, DNS, Radvd and DHCPv6. In this page, you can change the IP address of the router. The default IP address is 192.168.2.1, which is the private IP address of the router.

Interface	Quick Start	Interface Setup	Advanced Setup	Access Management	Maintenance	Status
	Internet	LAN	Wireless			
Router Local IP						
		lain IP Address :	192 168 2 1			
		in Subnet Mask :				
		lias IP Address :				
		is Subnet Mask :				
		Dynamic Route :		ction : None 🗸		
		Multicast :				
			O Disabled 💿 Enabl	led		
DHCP						
		DHCD -	O Disabled 💿 Enabl			
DHCP Server		DITCH.		ied 🔾 Relay		
	Star	ting IP Address :	192.168.2.100	Current Pool Summa	iry	
		IP Pool Count :				
		Lease Time :	259200 seconds	(0 sets to default value o	f 259200)	
				(********		
		Physical Ports :	1 2 3 4			
DNS		-				
		DNS Relay :	Use Auto Discovered	I DNS Server Only 🔽		
	Prima	ry DNS Server :	N/A			
	Seconda	ry DNS Server :	N/A			
Radvd						
		Radvd Enable :	O Disable 💿 Enable			
			Auto O Manual			
		Auto Prefix :	Enable O Disable			
		RA Flags Set :	🗸 ManagedAddr 🔽	Other Config		
DHCPv6						
		DHCP6 Server :	O Disable 💿 Enable			
			Auto O Manual			
			SAVE CANCEL			
			GALLE GARGEE			

Field	Description								
Main IP	Enter	the	IP	address	of	LAN	interface.	lt	is
			Ę	57					

Field	Description						
Address	recommended to use an address from a block reserved for private use. This address block is 192.168.1.1-192.168.255.254.						
Main Subnet Mask	Enter the subnet mask of LAN interface. The range of subnet mask is from 255.255.0.0 to 255.255.255.254.						
Alias IP Address	You may enter the second IP Address.						
Alias Subnet Mask	You may enter a second subnet mask.						
Dynamic Route	You can select RIP1, RIP2-B or RIP2-M.						
Direction	You can select None, Both, IN Only or OUT Only.						
IGMP (Internet Group Multicast Protocol) is a sessilayer protocol used to establish membership inMulticastmulticast group. The ADSL Router supports both IGversion 1 (IGMP v1) and IGMP version 2 (IGMP vSelect Disabled to disable it.							
IGMP Snoop	You may select Enabled or Disabled . After activating this function, the packets of the IGMP broadcast will not be sent to the LAN interface not belonging to the group.						
DHCP	You can choose Disabled , Enabled or Relay . If set to DHCP Server , the router can assign IP addresses, IP default gateway and DNS Servers to the host under Windows95, Windows NT and other operating systems that support the DHCP client.						
Starting IP Address	The starting IP address for the DHCP server's IP assignment.						
IP Pool Count	The max user pool size.						
Lease Time	The lease time determines the period that the host retains the assigned IP addresses before the IP addresses change. The default is 259200 seconds.						

Field	Description						
Physical Ports	When no port is selected, the LAN PC can't get an IP from the router.						
DNS Relay	You can choose Use Auto Discovered DNS Server Only or Use User Discovered DNS Server Only. If you select Auto Discovered, the router accepts the firstly-received DNS assignment from one of the PPPoA, PPPoE or MER enabled PVC(s) during the connection establishment. If select User Discovered, enter the IP addresses of the primary and secondary DNS servers.						
Primary DNS Server	DNS server FOR wan and LAN						
Secondary DNS Server	DNS server FOR wan and LAN						
Radvd Enable	You may choose to enable or disable Radvd. The Router Advertisement Daemon (Radvd) is an open-source software product that implements link-local advertisements of IPv6 router addresses and IPv6 routing prefixes using the Neighbor Discovery Protocol (NDP).						
Radvd Mode	You may choose Auto or Manual .						
Auto Prefix	Select Enable or Disable .						
RA Flag Set	You may choose ManagedAddr or Other Config.						
DHCP6 Server	You may choose to enable or disable DHCP6 Server.						
DHCP6 Mode	You may choose Auto or Manual for the DHCP6 Server.						

Dynamic Host Configuration Protocol (DHCP) allows the individual PC to obtain the TCP/IP configuration from the centralized DHCP server. You can configure this router as a DHCP server or disable it. The DHCP server can assign IP address, IP default gateway and DNS server to DHCP clients. This router can also act as a surrogate DHCP server (DHCP proxy) where it relays IP address assignment from an actual DHCP server to clients. You can enable or disable DHCP server or DHCP proxy.

In the **DHCP** field, choose **Disabled**, the page shown in the following figure appears.

Interface	Quick Start	Interface Setup	Advanced Setup	Access Management	Maintenance	Status
	Internet	LAN	Wireless			
Router Local IP						
	Ма	ain IP Address : 1	92.168.2.1			
	Main	Subnet Mask : 2	55.255.255.0			
	Ali	as IP Address : 0	.0.0.0			
		Subnet Mask : 0				
	0	lynamic Route : F		ection : None 💌		
		Multicast : 1				
		IGMP Snoop : (🔵 Disabled 💿 Ena	bled		
DHCP						
		DHCP: (🖲 Disabled 🔘 Ena	bled 🔘 Relay		
Radvd						
			🔵 Disable 💿 Enab	le		
			🖲 Auto 🔘 Manual			
			Enable 🔿 Disab			
		RA Flags Set : [🖊 ManagedAddr 🔽	Other Config		
DHCPv6						
	I		🔵 Disable 💿 Enab	le		
		DHCP6 Mode : (🖲 Auto 🔘 Manual			
			SAVE CANCEL	1		
			UNIVE CANCEL			

In the **DHCP** field, choose **DHCP Relay**, the page shown in the following figure appears. Enter a server IP address running on WAN side.

Interface	Quick Start	Interface Setup	Advanced Setup	Access Management	Maintenance	Status
	Internet	LAN	Wireless			
Router Local IP						
	N	fain IP Address :	192.168.2.1	1		
	Mai	in Subnet Mask :	255.255.255.0	1		
	A	lias IP Address :	0.0.0.0	ĺ		
	Alia	s Subnet Mask :	0.0.0.0	ĺ		
		Dynamic Route :	RIP2-B 🔽 Dire	ection : None 🛛 💌		
		Multicast :	IGMP v2 💌			
		IGMP Snoop :	O Disabled 💿 Enat	bled		
DHCP						
DUOD Deleve		DHCP :	O Disabled O Enat	bled 💿 Relay		
DHCP Relay -	DHCP Sen	ver IP for Relay Agent	0.0.0.0			
Radvd						
		Radvd Enable :	O Disable 💿 Enabl	e		
		Radvd Mode :	💿 Auto 🔘 Manual			
			💿 Enable 🔘 Disabl			
		RA Flags Set :	ManagedAddr 🗹	Other Config		
DHCPv6						
		DHCP6 Server :	O Disable 💿 Enabl	e		
		DHCP6 Mode :	💿 Auto 🔘 Manual			
			SAVE CANCEL			
			1	,		

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5.4.3. Wireless

Choose Interface Setup > Wireless. The page as shown in the following figure appears. The Wireless page contains Access Point Settings, 11n Settings, Multiple SSIDs Settings, WPS Settings and Wireless MAC Address Filter.

Interface	Quick Start	Interface Setup	Advanced Setup	Access Management	Maintenance	Status
	Internet	LAN	Wireless			
Access Point Settings						
		Access Point : /	Activated O Dea	ative tead		
	C	urrent Channel: : 2		clivated		
		Beacon Interval : 1		e: 20~1000)		
		CTS Threshold : 2		nge: 1500~2347)		
		ation Threshold : 2	0,100(.0	nge: 1560-2346, even numl	here only)	
	. agnore	DTIM : 1	-,(-	bers only)	
		Wireless Mode :	(. a., j e.	~200)		
11n Settings			, , , , , , , , , , , , , , , , , , ,			
- Thi settings	01	inel Bandwidth :	10 MHz			
			above the control cha			
	EXIC	Guard Interval :				
		-	AUTO 🗸			
Multiple SSIDs Settings		L				
indupio odibo ootungo		SSID Index :	4			
	-	iroadcast SSID : (
	-		⊙ Yes ◯ No			
WPS Settings			0.000.00			
in o ootango		WPS state : C	onfigured			
			PIN code PBC			
			Start WPS			
		WPS progress : Id	ile			
		(Reset to OOB			
		SSID : E	EdimaxADSL			
	Authe	entication Type :	Disabled	~		
Wireless MAC Address Filter						
		Active : (Activated 💿 Dea	ctivated		
		Action :	Allow Association Ň	the follow Wireless LAN	station(s) association.	
	М	ac Address #1 : 0				
	M	ac Address #2 : 0	00:00:00:00:00:00			
	M	ac Address #3 : 0	00:00:00:00:00:00			
	M	ac Address #4 : 0	00:00:00:00:00:00			
	M	ac Address #5 : 0	00:00:00:00:00:00			
	M	ac Address #6 : 0	00:00:00:00:00:00			
	M	ac Address #7 : 0	00:00:00:00:00:00			
	M	ac Address #8 : 0	00:00:00:00:00:00			
			SAVE CANCEL			

Field	Description	
Access Point Se	ttings	
Access Point	You may choose Activated or Deactivated .	

Field	Description
Current Channel	Countries apply their own regulations to both the allowable channels, allowed users and maximum power levels within these frequency ranges. The default is 2 .
Beacon Interval	Beacon Interval range is from 20 to 1000 .
RTS/CTS Threshold	RTS/CTS Threshold range is from 1500 to 2347 .
Fragmentation Threshold	Enter a Fragmentation Threshold between 256 and 2346 (even numbers only) .
DTIM	DTIM range is from 1 to 255 . A delivery traffic indication message is a kind of traffic indication message (TIM) which informs the clients of the presence of buffered multicast/broadcast data on the access point.
Wireless Mode	Comply with the IEEE 802.11b/g and IEEE802.11n standards. You can select 802.11b , 802.11g , 802.11b+g , 802.11n , 802.11g+n or 802.11b+g+n .
11n Settings	
Channel Bandwidth	Supports 20MHz/40MHz Dual Channel.
Extension Channel	The field displays whether the current extension channel is above or below the current control channel.
Guard Interval	You can set 800 nsec or AUTO .
MCS	You can set an MCS index between 0 and 7 , or select AUTO .
Multiple SSIDs S	Settings
SSID index	Select SSID to be modified.
Broadcast SSID	Select whether the router broadcasts SSID or not. You can select Yes or No .
	• Select Yes, and the wireless client searches the

Field	Description
	router through broadcasting SSID.
	• Select No to hide SSID. SSID is not visible to
	wireless client searches.
	WPS technology allows new customers without a
Use WPS	previously-established account to securely connect
	to your network at the Wi-Fi hotspot, create and
	pay for an account, and access the Internet.
WPS Settings	
WPS state	WPS state is displayed here.
WPS mode	Select PIN code or PBC .
Start WPS	Click to start WPS
WPS progress	Indicates current WPS progress status.
Reset to OOB	Click Reset to OOB (out of box) to reset all Wi-Fi
	settings to default.
	Enter an SSID. The service set identification (SSID) is
SSID	a unique name to identify the router in the wireless LAN.
Authentication	Select from Disabled, WEP-64Bits, WEP-128Bits,
Туре	WPA-PSK, WPA2-PSK, WPA-PSK/WPA2-PSK.
Wireless MAC A	ddress Filter
Active	Activate or deactivate wireless MAC address filter.
	Set Allow or Deny for listed MAC addresses. This
Action	function can be used to allow or deny access to
	certain wireless clients based on their MAC Address.
Mac Address #1–8	You can set up to eight MAC addresses.

5.5. Advanced Setup

In the navigation bar, click **Advanced Setup**. In the **Advanced Setup** page that is displayed contains **Firewall**, **Routing**, **NAT**, **QoS**, **VLAN** and **ADSL**.

5.5.1. Firewall

Choose **Advanced Setup** > **Firewall**. The page shown in the following figure appears. You can select this option to automatically detect and block Denial of Service (DoS) attacks such as Ping of Death, SYN Flood, Port Scan and Land Attack.



5.5.2. Routing

Click **Advanced Setup** > **Routing**, the page shown in the following figure appears. It displays routing table information.

Advanced	Quick Start	Interface Setup	Advar Set		ccess igement	Maint	enance	S	itatus
	Firewall	Routing	NAT	QoS	VLAN	ADSL			
Routing Table List	#	Dest IP	Mask	Gateway IP	Metric	Device	Use	Edit	Drop
	1	192.168.2.0	24	192.168.2.1	1	enet0	433	Luit	brop
			ADD ROU	TE					

Click **ADD ROUTE**, the page shown in the following figure appears. This page is used to configure the routing information. You may add, edit or drop the static route.

Advanced	Quick Start	Interface Setup	Advanced Setup		Acce Manage		Mainte	enance	Status
	Firewall	Routing	NAT	QoS		VLAN	ADSL		
Static Route		r							
	Destina	ation IP Address :							
	Cata	IP Subnet Mask : way IP Address :				:0 😽			
	Gale	Metric :				.0 🗸			
	A	L	Yes 🗸						
		L							
			SAVE DELE	TE	BACK	CANCEL			

The following table describes the parameters and buttons of this page:

Field	Description
Destination	Enter the IP address of the destination device.
IP Address	
IP Subnet	Enter the subnet mask of the destination device.
Mask	
Gateway IP	You can enter the IP address of the next hop in the IP route to
Address	the destination device, or bind with a PVC interface.
Metric	The metric cost for the destination.
Announced in RIP	This parameter determines if the ADSL router will include the route to this remote node in its RIP broadcasts. If set to Yes , the route to this remote node will be propagated to other hosts through RIP broadcasts. If No , this route is kept private and is not included in RIP broadcasts.

5.5.3. NAT

Click **Advanced Setup** > **NAT**, the page shown in the following figure appears. In this page, you can set up the NAT (Network Address Translation) function for your ADSL router. This function allows you to share one WAN IP address for multiple computers on your LAN.

Advanced	Quick Start	Interface Setup	Advance Setup		Access nagement	Maintenance	Status
	Firewall	Routing	NAT	QoS	VLAN	ADSL	
NAT		Virtual Circuit : NAT Status : Number of IPs :	Activated	ultiple			
		0	Virtual Servei	-			

The following table describes the parameters and buttons of this page:

Field	Description
Virtual	Choose a Virtual Circuit Index to set up for the NAT function.
Circuit	
	This field shows the current NAT status for the current VC. The
NAT Status	status is enabled or disabled, depending on whether NAT is
	enabled for the WAN connection.
	This field is to specify how many IPs are provided by your ISP
Number of	for the current VC. You can select Single or Multiple. When
	you choose Single, you can set DMZ or Virtual Server. When
IPs	you choose Multiple, You can set DMZ, Virtual Server or IP
	Address Mapping (for Multiple IP Service).

One Note:

VCs with a single IP share the same DMZ and Virtual servers. For VCs with multiple IPs, each VC can set DMZ and Virtual servers. Also, VCs with multiple IPs can define the Address Mapping rules. VCs with a single IP do not need to individually define the Address Mapping rule.

Demilitarized Zone (DMZ) is used to provide Internet services without sacrificing unauthorized access to its local private network. Typically, the DMZ host contains devices accessible to Internet traffic, such as web (HTTP) servers, FTP servers, SMTP (e-mail) servers and DNS servers.

In the **NAT** page, choose **DMZ**, and the page shown in the following figure appears.

Advanced	Quick Start	Interface Setup	Advanced Setup		Access magement	Maintenance	Status
	Firewall	Routing	NAT	QoS	VLAN	ADSL	
DMZ		DHZ - His fast	Circle ID A second				
		DMZ setting for ::	Enabled D				
	DMZ	Host IP Address :		ISADIEU			
			SAVE BACK				

The following table describes the parameters of this page:

Field	Description
DMZ	Select Enabled or Disabled to enable this function.
DMZ	Enter the specified IP Address for the DMZ host on the LAN
Host IP	side.
Address	

In the **NAT** page, choose **Virtual Server**, and the page shown in the following figure appears.

The Virtual Server is the server(s) behind NAT (on the LAN), for example, Web server or FTP server, which you can make visible to the outside world even though NAT makes your whole inside network appear as a single machine to the outside world.

Virtual Server Virtual Server Listing	Virtual Server for Rule Index Application	: 1 V : - : ALL V : 0 : 0.0.0.0	QoS count Protocol - - -	VLAN VLAN Start Port 0 0 0 0	ADSL Image: Image of the second se	Local IP Address 0.0.0 0.0
irtual Server Listing Rule 1 2 3 4 5 6	Rule Index Application Protocol Start Port Number End Port Number Local IP Address Applicat	: 1 V : - : ALL V : 0 : 0.0.0.0	Protocol - -	Start Port 0 0 0	End Port 0 0	0.0.0.0
rtual Server Listing	Rule Index Application Protocol Start Port Number End Port Number Local IP Address Applicat	: 1 V : - : ALL V : 0 : 0.0.0.0	Protocol - -	Start Port 0 0 0	End Port 0 0	0.0.0.0
Rule 1 2 3 4 5 6	Rule Index Application Protocol Start Port Number End Port Number Local IP Address Applicat	: 1 V : - : ALL V : 0 : 0.0.0.0	Protocol - -	Start Port 0 0 0	End Port 0 0	0.0.0.0
Rule 1 2 3 4 5 6	Rule Index Application Protocol Start Port Number End Port Number Local IP Address Applicat	: 1 V : - : ALL V : 0 : 0.0.0.0	Protocol - -	Start Port 0 0 0	End Port 0 0	0.0.0.0
Rule 1 2 3 4 5 6	Application Protocol Start Port Number End Port Number Local IP Address Applicat	ALL	-	Start Port 0 0 0	End Port 0 0	0.0.0.0
Rule 1 2 3 4 5 6	Protocol Start Port Number End Port Number Local IP Address Applicat	ALL	-	Start Port 0 0 0	End Port 0 0	0.0.0.0
Rule 1 2 3 4 5 6	Start Port Number End Port Number Local IP Address Applicat	: 0 : 0 : 0.0.0.0	-	0 0 0 0	0	0.0.0.0
Rule 1 2 3 4 5 6	End Port Number Local IP Address Applicat	: 0	-	0 0 0 0	0	0.0.0.0
Rule 1 2 3 4 5 6	Local IP Address Applicat	: 0.0.0.0	-	0 0 0 0	0	0.0.0.0
Rule 1 2 3 4 5 6	Local IP Address Applicat	: 0.0.0.0	-	0 0 0 0	0	0.0.0.0
Rule 1 2 3 4 5 6	Applicat		-	0 0 0 0	0	0.0.0.0
Rule 1 2 3 4 5 6		ion	-	0 0 0 0	0	0.0.0.0
1 2 3 4 5 6		ion	-	0 0 0 0	0	0.0.0.0
1 2 3 4 5 6		ion	-	0 0 0 0	0	0.0.0.0
2 3 4 5 6	-		-	0	0	0.0.0.0
3 4 5 6	-		-	0		
4 5 6				-	0	0.0.0.0
5			-			
6				0	0	0.0.00
	-		-	0	0	0.0.0.0
7	-		-	0	0	0.0.0.0
	-		-	0	0	0.0.0.0
8	-		-	0	0	0.0.0.0
9	-		-	0	0	0.0.0.0
10	-		-	0	0	0.0.0.0
11	-		-	0	0	0.0.0.0
12	-		-	0	0	0.0.0.0
13	-		-	0	0	0.0.0.0
14			-	0	0	0.0.0.0
15	-		-	0	0	0.0.0.0
16	-		-	0	0	0.0.0.0

Field	Description
	The Virtual server rule index for this VC. You can specify 10 rules in maximum. All the VCs with single IP will use the same Virtual Server rules.

Field	Description
Application	You can enter an application name, or select a name from the
Application	right drop-list menu like FTP or TELNET.
Protocol	Choose the transport layer protocol that the service type. You
Protocor	can choose ALL, TCP or UDP .
	Enter the specific start and end port number you want to
Start/End	forward. If it is only one port, enter the end port number the
Port	same as start port number. For example, if you want to set the
Number	FTP Virtual server, you can set the start and end port number
	to 21.
Local IP	Enter the IP Address for the Virtual Server in the LAN.
Address	

In the **NAT** page, select Number of IPs as **Multiple**, and then choose **IP Address Mapping (for Multiple IP Service)**, and the page shown in the following figure appears. The IP Address Mapping rule is per-VC based (only for Multiple IPs' VCs).

Advanced	Quick Start	Interface Setup	Advance Setup	ed Acces Manager	- Mair	ntenance	Status
	Firewall	Routing	NAT	QoS V	LAN ADSL		
						_	
IP Address Mapping							
	Address I	Mapping Rul	e : PVC1				
		Rule Inde	x: 1 🔽				
		Rule Typ	e : Many-to-One	*			
		Local Start I	P·0000	(for all local IPs	, enter 0.0.0.0 for Sta	art ID)	
		Local End I	P: 255.255.255.25	5 (for all local IPs	, enter 255.255.255.2	255 for End IP)	
	F	Public Start I	P: 0.0.0.0	(0.0.0.0 for mo	dem's WAN IP)		
		Public End I	P: N/A				
Address Mapping List							
	Rule	Туре	Local Start IP	Local End IP	Public Start IP	Public End IP	
	1	M-1	0. 0. 0. 0	255.255.255.255	0. 0. 0. 0		-
	2	-					
	3	-					
	4	-					
	5	-					
	6	-					_
	7	-					_
	8	-					
			SAVE DELE	TE BACK CANC			

Entries in this table allow you to configure one IP pool for specified source IP address from LAN, so that one packet whose source IP is in range of the specified address will select one IP address from the pool for NAT.

The following table describes the parameters of this page:

Field	Description
	The Virtual server rule index for this VC. You can specify
Rule Index	10 rules in maximum. All the VCs with single IP will use
	the same Virtual Server rules.
	Choose the One-to-One, Many-to-One, Many-to-Many
Rule Type	Overload, Many-to-Many No Overload, or Server.
	Enter the local IP Address you plan to map to. Local Start
Local Start/End IP	IP is the starting local IP address and Local End IP is the
	ending local IP address. If the rule is for all local IPs, then
	the Start IP is 0.0.0.0 and the End IP is 255.255.255.255 .
	Enter the public IP Address you want to use for NAT.
Public Start/End	Public Start IP is the starting public IP address and Public
IP	End IP is the ending public IP address. If you have a
	dynamic IP, enter 0.0.0.0 as the Public Start IP.

5.5.4. QoS

The QoS provides better service of selected network traffic over various technologies. This function can be set based on the physical LAN ports or wireless interfaces under IPv4 or IPv6 version respectively.

IP Version: IPv4

Choose **Advanced Setup** > **QoS**, the page shown in the following figure appears.

Advanced			inced tup	Access Management	Maintenance	Status
	Firewall Ro	outing NAT	QoS	VLAN	ADSL	
Quality of Service						
		P Version : 💿 IPv4 🔘	IPv6			
		QoS: OActivat		ated		
		Summary : QoS S	ettings Summ	ary		
Rule						
	F	Rule Index : 1 💟				
			ed 💿 Deactiva	ated		
	A	Application :				
	Phys	sical Ports : WLAN E	net1 Enet2	Enet3 Enet4		
		ation MAC	LINGE	Energy Energy		
	(00:00:00:	.00:00:00) '				
		Mask:				
	D	ort Range :				
		urce MAC				
	(00:00:00:	.00:00:00)				
		IP :				
		Mask : ort Range : ~				
		-	~			
		ID Range :				
		P/DS Field : O IPP/TOS	DSCP			
	IP Preceden		~			
	Туре с	of Service :		~		
	DS	CP Range : ~	(Va	lue Range: 0 ~ 63)		
A sting		802.1p : 📉 ~	×			
Action	IPI	P/DS Field : O IPP/TOS	DSCP			
	IP Precedence F		0 2000.			
	Type of Service F	Remarking :		~		
	DSCP F	Remarking : (V	alue Range: 0	~ 63)		
	802.1p F	Remarking :	-1	~		
		Queue # :	P			
		SAVE	DELETE	NCEL		

Field	Description					
Quality of Servi	ce					
IP Version	In this example, the IP version is set to IPv4 .					
	You may select Activated or Deactivated. After activating					
QoS	QoS, you may set the upload bandwidth of the WAN					
	interface.					
Summary	Click the QoS Settings Summary button to view the table					
Summary	of Qos rules and actions.					
Rule						
Rule Index	You may establish at most 16 QoS rules.					
Activo	You may select Activated or Deactivated . The QoS rule can					
Active	be set if it is activated.					
Application	Support application options such as IGMP, SIP, H.323,					

Field	Description					
	MGCP, SNMP, DNS, DHCP, RIP, RSTP, RTCP and RTP.					
Physical Ports	Choose an Ethernet interface or WLAN Interface.					
Destingtion	The Destination MAC address of the rule. If data packets					
Destination	include the MAC address, the data packets are placed into					
MAC	the group.					
	The destination IP address of the rule. If data packets					
IP	include the IP address, the data packets are placed into the					
	group.					
Port Range	Port Range is from 0 to 65535 .					
	The Source MAC address of the rule. If data packets include					
Source MAC	the MAC address, the data packets are placed into the					
	group.					
Protocol ID	You can choose TCP/UDP , TCP , UDP , ICMP or IGMP .					
	Select this option to Activate/Deactivate the 4094 VID on					
	the 4 different queues. VID (VLAN ID) is the identification					
	of the VLAN, which is basically used by the standard					
Vlan ID Range	802.1Q. It has 12 bits and allows the identification of 4096					
	(2^12) VLANs. Of the 4096 possible VIDs, a VID of 0 is used					
	to identify priority frames and value 4095 (FFF) is reserved,					
	so the maximum possible VLAN configurations are 4,094.					
IPP/DS Field	You may set IPP/TOS or DSCP.					
IP Precedence	When IPP/DS field is set to IPP/TOS, you need to enter an					
Range	IP precedence range.					
	Support services including Normal service, Minimize					
Type of Service	delay, Maximize throughput, Maximize reliability and					
	Minimize monetary cost.					
DSCP Range	DSCP Range is from 0 to 63 .					
	Select this option to Activate/Deactivate the 802.1p. IEEE					
	802.1p establishes eight levels of priority (0–7). Although					
	network managers must determine actual mappings, IEEE					
802.1p	has made broad recommendations. Seven is the highest					
	priority which is usually assigned to network-critical traffic such as Routing Information Protocol (RIP) and Open					
	Shortest Path First (OSPF) table updates. Five and six are					
	often for delay-sensitive applications such as interactive					
	onen ioi delay-sensitive applications such as interactive					

Field	Description
	video and voice. Data classes four through one range from
	controlled-load applications such as streaming multimedia
	and business-critical traffic - carrying SAP data, for instance
	- down to "loss eligible" traffic. Zero is used as a best-effort
	default priority, invoked automatically when no other value
	has been set.
IP Precedence	For a message matching the QoS rule, its IP precedence
Remarking	value will be modified.
Type of Service	For a message matching the QoS rule, its type of service
Remarking	value will be modified.
DSCP	For a message matching the QoS rule, its DSCP value will
Remarking	be modified.
802.1p	For a message matching the QoS rule, its 802.1P value will
Remarking	be modified.
Queue #	Select Low, Medium, High or Highest.

Click **Save** at the bottom of the page to save the discipline. To view the rules and actions, click **QoS Settings Summary** to enter the page shown in the following figure appears.

QoS Settings Summary											
				Rules						Actions	
		Physical Ports	Destination	Source	Protocol ID		IPP/TOS (DSCP)	802.1p	100,000		
#	Active		MAC IP/Mask Port Range	MAC IP/Mask Port Range					IPP/TOS (DSCP) Remarking	802.1p Remarking	Queue #
	N		-	-		-	-/-	-	-/-		

IP Version: IPv6

Choose **Advanced Setup** > **QoS**, the page shown in the following figure appears.

Advanced	Quick Start	Interface Setup	Advanced Setup	Access Management	Maintenance	Status
	Firewall	Routing	NAT Qo	S VLAN	ADSL	
Quality of Service						
		IP Version : (🗋 IPv4 💿 IPv6			
		_	🔾 Activated 💿 Deac			
Rule		Summary :	QoS Settings Sun	nmary		
Kule		Rule Index :	1			
		Active : (🔾 Activated 💿 Deac	tivated		
		Destination IPv6 :			/	
		Source IPv6 :			/	
Action		DSCP Range :	~	Value Range: 0 ~ 63)		
		SCP Remarking :	(Value Range	: 0 ~ 63)		
		Queue # :	~			
			SAVE DELETE (CANCEL		

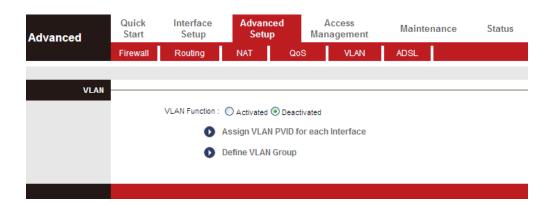
Field	Description
Quality of Serv	ice
IP Version	Select IP version. In this example, the IP version is set to
	IPv6.
QoS	Select Activated or Deactivated. After activating QoS, you
005	may set the upload bandwidth of the WAN interface.
Summary	Click the QoS Settings Summary button to view the table
Summary	of Qos rules and actions.
Rule	
Rule Index	You may establish up to 16 QoS rules.
Active	You may select Activated or Deactivated. Activated must
Active	be selected to set QoS rules.
Destination	The Destination MAC address of the rule. If data packets
IPv6	include the MAC address, the data packets are placed into
IFVO	the group.
	The Source MAC address of the rule. If data packets include
Source IPv6	the MAC address, the data packets are placed into the
	group.
DSCP Range	DSCP Range is from 0 to 63 .
DSCP	For a message matching the QoS rule, its DSCP value will
Remarking	be modified.
Queue #	Select Low, Medium, High or Highest.

Click **Save** at the bottom of the page to save the discipline. To view the rules and actions, click **QoS Settings Summary** to enter the page shown in the following figure appears.

loS Settings Summary											
				Rules						Actions	
			Destination	Source					IPP/TOS		
#	Active	Physical Ports	MAC IP/Mask Port Range	MAC IP/Mask Port Range	Protocol ID	VLAN ID	IPP/TOS (DSCP)	802.1p	(DSCP) Remarking	802.1p Remarking	Queue #
	N		-	-		-	-/-	-	-/-		

5.5.5. VLAN

Choose **Advanced Setup** > **VLAN**, the page shown in the following figure appears.



Virtual LAN (VLAN) is a group of devices on one or more LANs that are configured so that they can communicate as if they were attached to the same wire, when in fact they are located on a number of different LAN segments. Because VLANs are based on logical instead of physical connections, it is very flexible for user/host management, bandwidth allocation and resource optimization.

In the VLAN page, choose Activated and then Assign VLAN PVID for each Interface, and the page shown in the following figure appears.

Advanced	Quick Interface Start Setup		Advanced Access Setup Management			Maintenance Status			
	Firewall	Routing	NAT	QoS		VLAN	ADSL		
PVID Assign									
		ATM VC #0 :	PVID 1						
		VC #1 :							
		VC #2 :							
		VC #3 : VC #4 :							
		VC #4 : VC #5 :							
		VC #6 :							
		VC #7 :							
	1	Ethernet Port #1 :	PVID 1						
		Port #2 :							
		Port #3 :							
		Port #4 :	PVID 1						
		Wireless LAN :	PVID 1						
		l	SAVE CANCEL	NEX	σ				

Each physical port has a default VID called PVID (Port VID). PVID is assigned to untagged frames or priority tagged frames (frames with null (0) VID) received on this port. You can set a PVID for an ATM VC, Ethernet port or Wireless LAN.

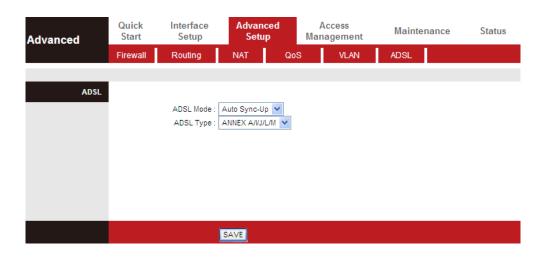
In the VLAN page, choose Activated and then Define VLAN Group, and the page shown in the following figure appears.

Advanced	Quick Start	Interface Setup	Advanced Setup	Access Managemer	Maintenance	Status		
	Firewall	Routing	NAT Q	oS VLAN	I ADSL			
VLAN Group Setting								
		VLAN Index :	1 🛩					
		Active :	⊙Yes ○No					
		VLAN ID :	1 (Decimal)				
	ATM VCs: Tagged							
	Tagged Image Image <t< th=""></t<>							
		Wireless LAN :	Tagged Port # V 0					
VLAN Group Summary								
	Group Active		VLAN Group P		VLAN Tagged Ports			
	1 Yes		,e2,e3,e4,w0,p0,p1,p2,	p3,p4,p5,p6,p7				
	p:pvc, e:etherne	ei, and wiwian						
		1	SAVE DELETE C	ANCEL				

Field	Description
VLAN Index	Choose a VLAN index from 1 to 8 .
Active	Select Yes or No to specify whether VLAN settings
ACTIVE	are active or not.
VLAN ID	VLAN ID is from 1 to 4094 .
ATM VCs	Supports eights ATM VCs, which can be tagged.
Ethernet	The Ethernet port can be tagged.
Wireless LAN	You can add a wireless port to the VLAN group.

5.5.6. ADSL

Click **Advanced Setup** > **ADSL**, the page shown in the following figure appears. The ADSL feature can be selected when you meet the physical connection problem. Please check the proper settings with your Internet service provider.



The router supports these modulations: **G.Lite**, **T1.413**, **G.DMT**, **ADSL2**, **ADSL2+** and **Auto-Syno Up**. The router negotiates the modulation modes with the DSLAM.

The following table describes the parameters and buttons of this page:

Field	Description
ADSI Mode	Choose Auto Sync-Up, ADSL2+, ADSL2, G.DMT, T1.413 or
ADSI MODE	G.lite. The default is Auto Sync-Up.
ADSL Type	Choose ANNEX A, ANNEX I, ANNEX A/L, ANNEX M or ANNEX A/I/J/L/M.

5.6. Access Management

In the navigation bar, click **Access Management**. The **Access Management** page that is displayed contains **ACL**, **Filter**, **SNMP**, **UPnP**, **DDNS** and **CWMP**.

5.6.1. ACL

Choose **Access Management** > **ACL**, and the page shown in the following figure appears. The user may remotely access the ADSL Router once his IP has been set as a Secure IP Address through selected applications. With the default IP 0.0.0.0, any client would be allowed to remotely access the ADSL Router.

Access Management	Quick Start	Interf Set		Advanced Setup	Acce: Manage		Mainte	nance	Status	
management	ACL	Fil	ter	SNMP	UPnP	DDNS	CWI	MP		
Access Control Setup										
			ACL: 💽	Activated 🔘 Dea	ctivated					
Access Control Editing										
	ACL Rule Index : 1									
	Active : • Yes No									
	S		dress: 0.0.0		~ 0.0.0.0	(0.0	0.0.0 ~ 0.0.0	.0 means all IPs)		
			rface : LAN							
Access Control Listing									-	
		Index	Active	Secure	P Address	Арр	lication	Interface		
		1	Yes	0.0.0	0-0.0.0.0		ALL	LAN]	
			SA	VE DELETE	CANCEL					

Field	Description
ACL Rule Index	You can establish sixteen ACL rules at most.
Active	Click to enable or disable the rule.
Secure IP	The rule is valid if the IP is in this range.
Address	
Application	Support Web, FTP, Telnet, SNMP, Ping or ALL.
Interface	Support WAN, LAN or Both.
Access control	Only the devices whose MAC addresses are listed in the
Listing	Access Control Listing can access the router.

5.6.2. Filter

Choose Access Management > Filter, and the page shown in the following figure appears. Select IP/MAC Filter type. The user can set IP/MAC Filter, Application Filter and URL Filter.

5.6.2.1. IP/MAC Filter

Choose Access Management > Filter, select IP/MAC Filter from the dropdown list Filter Type Selection, and the page shown in the following figure appears. The user can set different IP filter rules of a given protocol (TCP, UDP or ICMP) and a specific direction (incoming, outgoing, or both) to filter the packets.

Access	Quick Start	Interface A Setup		lccess agement	Maintenance	Status				
Management	ACL	Filter	SNMP UPnP	DDNS	CWMP					
Filter										
Filter Type										
	Filter Type Selection : IP / MAC Filter 💙									
IP / MAC Filter Set Editing	ID / MAY	C Eilter Cat Inday 1	1							
	IP / MAC Filter Set Index : 1									
		Direction : Both	*							
IP / MAC Filter Rule Editing										
	IP / MAC	Filter Rule Index : 1 💌								
		Rule Type : IP Active : Yes	× (0) Ha							
		Active: O Yes	S 🕑 NO							
	So	urce IP Address :	(0.0.0.0 m	eans Don't care)						
		Subnet Mask :								
		Port Number : 0	(0 means Don't ca	are)						
	Destin	ation IP Address :	(0.0.0.0 m	eans Don't care)						
		Subnet Mask :								
		Port Number : 0	(0 means Don't ca	are)						
		Protocol : TCP	*							
		Rule Unmatched : Forwa	ird 💌							
IP / MAC Filter Listing	IP / MAC F	ilter Set Index 🛛 1 👻	Interface	-	Direction	-				
	# Active	Src Address/Mask	Dest IP/Mask	Src Port	Dest Port Protocol	Unmatched				
	1 -	-	-	-		-				
	3 -	-	-	-		-				
	4 -	-	-	-		-				
	5 -	-	-	-		-				
	- IV	-	-	-		-				
		SAVE	DELETE CANCEL							
		SAVE	DELETE CANCEL							

Field	Description
Filter Type	Support IP / MAC Filter, Application Filter and URL
Selection	Filter.
IP/MAC Filter Set	You can choose an IP / MAC Filter Set Index from 1 to 12 .
Index	
Interface	You can select an interface from the eight PVCs or the
Interface	LAN interface.
Direction	Choose Both, Incoming or Outgoing .
Rule Type	Select IP or MAC.
Source IP	Enter the Source IP Address.
Address	
Port Number	Enter the Port Number. 0 means don't care.
Destination IP	Enter the Destination IP Address.
Address	
Protocol	Support TCP, UDP or ICMP.

5.6.2.2. Application Filter

Choose Access Management > Filter, select Application Filter from the dropdown list Filter Type Selection, and the page shown in the following figure appears. Select Application Filter type. The user can set Application rules to filter the ICQ, MSN, YMSG, Real Audio/Video packets.

Access	Quick Start	Interface Setup	Advanced Setup	Acce Manage		Maintenance	Status
Management	ACL	Filter	SNMP	UPnP	DDNS	CWMP	
Filter							
Filter Type							
	Filte	r Type Selection :	Application Filter 🔽	·			
Application Filter Editing							
		Application Filter :	🔵 Activated 💿 De	activated			
		ICQ :	🖲 Allow 🔘 Deny				
		MSN :	Allow O Deny				
			Allow O Deny				
	F	eal Audio/Video :	🖲 Allow 🔘 Deny				
			SAVE CANCEL				

The following table describes the parameters and buttons of this page:

Field	Description
Active	Choose to activate or deactivate the Application Filter rule.
ICQ	Set Allow or Deny ICQ packets.
MSN	Set Allow or Deny MSN packets.
YMSG	Set Allow or Deny YMSG packets.
Real	Set Allow or Deny Real Audio/Video packets.
Audio/Video	

5.6.2.3. URL Filter

Choose Access Management > Filter, select URL Filter from the drop-down list Filter Type Selection, and the page shown in the following figure appears. Select URL Filter type. The user can set URL rules to prevent the LAN users to access.

Access Management	Quick Start	Interface Setup	Advanced Setup	Access Management	Maintenance	Status
	ACL	Filter	SNMP	UPnP DDNS	CWMP	
Filter						
Filter Type						
	Filter	Type Selection : L	JRL Filter 🛛 💌			
URL Filter Editing						
		Active : (Yes 💿 No			
		URL Index : 1	1 2			
		URL :				
URL Filter Listing		URE .				
y	Index	URL				
	1					
	2					
	3					
	4					
	6					
	7					
	8					
	9					
	10					
	11					
	12					
	13					
	14					
	15					
	16					
			SAVE DELETE	CANCEL		

Field	Description
Active	Make URL Filter rule activated or deactivated.
URL Index	Can set an URL Filter Index from 1 to 16.
URL	Enter the URL that needs to be filtered.

5.6.3. SNMP

Choose **Access Management** > **SNMP**, and the page shown in the following figure appears. The SNMP (Simple Network Management Protocol) is used for exchanging information between network devices.

Access	Quick Start	Interface Setup	Advanced Setup	Acce Manage		Maintenance	Status
Management	ACL	Filter	SNMP	UPnP	DDNS	CWMP	
SNMP		_					
		Get Community : p	ublic				
		Set Community : p	ublic				
		_					
		3	SAVE				

Field	Description
Get Community	Select to set the password for the incoming Get- and
	GetNext requests from the management station.
Set Community	Select to set the password for incoming Set requests from
	the management station.

5.6.4. UPnP

Choose **Access Management** > **UPnP**, the page shown in the following figure appears. This page is used to configure the UPnP parameters.

UPnP (Universal Plug and Play) is a distributed, open networking standard that uses TCP/IP for simple peer-to-peer network connectivity between devices. An UPnP device can dynamically join a network, obtain an IP address, convey its capabilities and learn about other devices on the network. In turn, a device can leave a network smoothly and automatically when it is no longer in use. UPnP broadcasts are only allowed on the LAN.

Access	Quick Start	Interface Setup	Advanced Setup	Access Management	Maintenance	Status
Management	ACL	Filter	SNMP	UPnP DDNS	CWMP	
Universal Plug & Play	,) Activated	ctivated ctivated (by UPnP-enabled A	pplication)	
			SAVE			

Field	Description					
UPnP	You can choose Activated or Deactivated .					
Auto-configured	UPnP network devices can automatically configure network addressing, announce their presence in the network to other UPnP devices and enable exchange of simple product and service descriptions.					

5.6.5. DDNS

Choose **Access Management** > **DDNS**, the page shown in the following figure appears.

The Dynamic Domain Name System (DDNS) lets you use a static host name with a dynamic IP address. User should type the host name, user name and password assigned to your ADSL Router by your Dynamic DNS provider. The user also can decide to turn on DYNDNS Wildcard or not.

Access Management	Quick Start	Interface Setup	Advanced Setup	Acces Manager	—	Maintenance	Status
management	ACL	Filter	SNMP	UPnP	DDNS	CWMP	
Dynamic DNS							
		Dynamic DNS: (🔿 Activated 💿 Dea	ctivated			
		Service Provider : w	/ww.dyndns.org				
		My Host Name :					
		E-mail Address :					
		Username :			7		
		Password :			7		
	1	Wildcard support : (🔾 Yes 🖲 No		_		
			SAVE				

Field	Description
Dynamic DNS	Choose to activate or deactivate DDNS function.
My Host Name	The DDNS identifier
E-mail Address	The email provided by DDNS provider
Username	The name provided by DDNS provider
Password	The password provided by DDNS provider
Wildcard support	You can choose Yes or No.

5.6.6. CWMP

Choose **Access Management** > **CWMP**, and the page shown in the following figure appears.

Access	Quick Start	Interface Setup	Advanced Setup	Access Management	Maintenance	Status
Management	ACL	Filter	SNMP	UPnP DDNS	CWMP	
CWMP Setup						
		CWMP: (🔿 Activated 💿 Deac	tivated		
Login ACS						
		URL :				
		User Name :				
		Password :				
Connection Request						
		Path: /	tr069			
		Port: 7	/547			
		UserName :				
		Password :				
Periodic Inform						
		Periodic Inform : (Activated O Deac	tivated		
		Interval(s): 8	36400			
			SAVE CANCEL			

Field	Description
URL	URL for the CPE to connect to the ACS using the CPE WAN
	Management Protocol. This parameter must be in the form of a
	valid http or https URL.
User	Username used to authenticate the CPE when making a
Name	connection to the ACS using the CPE WAN Management
	Protocol.
Password	Password used to authenticate the CPE when making a
	connection to the ACS using the CPE WAN Management
	Protocol.
User	CPE's username, the connection username provided by TR-069
Name	service
Password	CPE's password, the connection password provided by TR-069
	service for a connection request to the CPE.
Periodic	Select Activated to periodically connect to the ACS to check for
Inform	configuration updates.
Interval(s)	Specify the duration between two connections to ACS.

5.7. Maintenance

In the navigation bar, click **Maintenance**. The **Maintenance** page that is displayed contains **Administration**, **Time Zone**, **Firmware**, **SysRestart** and **Diagnostics**.

5.7.1. Administration

Choose **Maintenance** > **Administration**, the page shown in the following figure appears. There is only one account that can access the Web-Management interface. The default account is "admin" and the password is "admin" – the "admin" account has read/write access privilege. In this web page, you can set new a password for "admin".

Maintenance		erface A etup	dvanced Setup	Access Management	Maintenance	Status
	Administration	Time Zone	Firmware	SysRestart	Diagnostics	
Administrator	11	sername : admin				
	-	assword :	I			
	Confirm Pa	assword :				
		SAVE	E CANCEL			

The following table describes the parameters of this page:

Field	Description
New Password	Enter the password to which you want to change the old
	password.
Confirm Password	Enter the new password again.

5.7.2. Time Zone

Choose **Maintenance** > **Time Zone**, the page shown in the following figure appears.

The system time is the time used by the device for scheduling services. You can manually set the time or connect to a NTP (Network Time Protocol) server. If a NTP server is set, you will only need to set the time zone. If you manually set the time, you may also set Daylight Saving dates and the system time will automatically adjust on those dates.

Maintenance			vanced Setup I	Access Management	Maintenance	Status
	Administration	Time Zone	Firmware	SysRestart	Diagnostics	
Time Zone						
	Current D	late/Time : 01/01/200	00 04:28:08			
Time Synchronization		-				
	Synchronize	time with : 💿 NTP :	Server automatical	ly		
		O PC's	Clock			
		O Manu	ally			
	Ti	me Zone : (GMT) G	reenwich Mean Ti	ime : Dublin, Edinburgh,	Lisbon, London 🛛 🗸 🗸	
	Dayligh	nt Saving : 🔘 Enab	led 💿 Disabled			
	NTP Server	Address : 0.0.0.0		(0.0.0.0: Default Va	lue)	
		SAVE	CANCEL			

Field	Description		
Synchronize	You can choose NTP Server automatically, PC's Clock or		
time with	Manually.		
Time Zone	Choose the time zone in which area you are from the drop-		
Time zone	down list.		
Daylight	You can enable the daylight saving time.		
Saving			
NTP Server	Set the NTP server manually.		
Address			

5.7.3. Firmware

Choose **Maintenance** > **Firmware**, the page shown in the following figure appears.

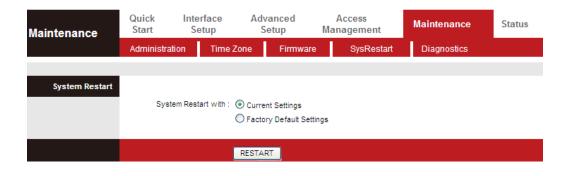
You can upgrade the firmware of the Router in this page. Make sure the firmware you want to use is on the local hard drive of the computer. Click on **Browse** to browse the local hard drive and locate the firmware to be used for upgrade.

Maintenance	Quick Start	Interface Setup	Advanced Setup	Access Management	Maintenance	Status
	Administrat	ion Time	Zone Firmware	e SysRestart	Diagnostics	
Firmware/Romfile Upgrade						
		mware Version : nware Location :	AR-7182WnA	Browse	1	
		tomfile Location :		Browse		
	I	Romfile Backup :	ROMFILE SAVE			
		Status :				
			lt might take several minu the upgrade.	utes, don't power off it du	ring upgrading. Device wil	l restart after
			UPGRADE			

Field	Description		
New Firmware	Click Browse to select the firmware file.		
Location			
Romfile Backup	Click Browse and select a path to save the configuration file of the router.		
UPGRADE	After selecting the file, click UPGRADE to starting upgrading the file.		

5.7.4. SysRestart

Choose **Maintenance** > **SysRestart**, the page shown in the following figure appears. You can restart the device with current settings or back to factory default settings.



Field	Description			
Current Settings	Restart the router with current settings.			
Factory Default	Restart the router with settings reset back to factory			
Settings	defaults.			

5.7.5. Diagnostics

Choose **Maintenance** > **Diagnositics**, the page shown in the following figure appears. The page shows the test results for the connectivity of the physical layer and protocol layer for both LAN and WAN sides.

Maintenance		erface A etup	dvanced Setup	Access Management	Maintenance	Status
	Administration	Time Zone	Firmware	SysRestart	Diagnostics	
Diagnostic Test	Virtual Circu	it: PVC0 💌				
	>> Testing >> Testing >> Testing >> Ping Pring	Ethernet LAN coni ADSL Synchroniz ATM OAM segmer ATM OAM end to e mary Domain Name vw.yahoo.com	ation . nt ping end ping	PASS FAIL SKIPPED SKIPPED SKIPPED SKIPPED		

0	
Field	Description
Virtual Circuit	Choose a PVC from the drop down list to test.

6. Trouble Shooting

Question	Answer
Why are all the indicators off?	 Check the connection between the power adapter and the power socket. Check whether the power switch is turned on.
Why is the LAN indicator off?	 Check the connection between the device and your PC, hub or switch. Check the running status of the computer, hub, or switch.
Why is the ADSL indicator off?	Check the connection between the Line port of the device and the wall jack.
Why does Internet access fail while the ADSL indicator is on?	Check whether the VPI, VCI, user name and password are correctly entered.
Why can I not access the web configuration page of the DSL router?	Choose Start > Run from the desktop, and ping 192.168.2.1 (IP address of the DSL router). If the DSL router is not reachable, check the type of network cable, the connection between the DSL router and the PC, and the TCP/IP configuration of the PC.
How to load the default settings after incorrect configuration?	To restore the factory default settings, turn on the device, and press the reset button for about 3 seconds, and then release it. The default IP address and the subnet mask of the DSL router are 192.168.2.1 and 255.255.255.0 , respectively. • User/password of super user: admin/1234 • User/password of common user: user/user

EU Declaration of Conformity

English: This equipment is in compliance with the essential requirements and other relevant provisions of Directive 1999/5/EC, 2009/125/EC. French: Cet équipement est conforme aux exigences essentielles et autres dispositions de la directive 1999/5/CE, 2009/125/CE Czechian: Toto zařízení je v souladu se základními požadavky a ostatními příslušnými ustanoveními směrnic 1999/5/ES, 2009/125/ES. Polish: Urządzenie jest zgodne z ogólnymi wymaganiami oraz szczególnymi warunkami określonymi Dyrektywą UE 1999/5/EC, 2009/125/EC Acest echipament este în conformitate cu cerințele esențiale și alte prevederi relevante ale Romanian: Directivei 1999/5/CE, 2009/125/CE. **Russian:** Это оборудование соответствует основным требованиям и положениям Директивы 1999/5/EC, 2009/125/EC. Ez a berendezés megfelel az alapvető követelményeknek és más vonatkozó irányelveknek Magyar: (1999/5/EK, 2009/125/EC) Bu cihaz 1999/5/EC, 2009/125/EC direktifleri zorunlu istekler ve diğer hükümlerle ile Türkçe: uyumludur. Ukrainian: Обладнання відповідає вимогам і умовам директиви 1999/5/ЕС, 2009/125/ЕС. Slovakian: Toto zariadenie spĺňa základné požiadavky a ďalšie príslušné ustanovenia smerníc 1999/5/ES, 2009/125/ES. German: Dieses Gerät erfüllt die Voraussetzungen gemäß den Richtlinien 1999/5/EC, 2009/125/EC. El presente equipo cumple los requisitos esenciales de la Directiva 1999/5/EC, Spanish: 2009/125/EC. Questo apparecchio è conforme ai requisiti essenziali e alle altre disposizioni applicabili Italian: della Direttiva 1999/5/CE, 2009/125/CE. Dit apparaat voldoet aan de essentiële eisen en andere van toepassing zijnde bepalingen Dutch: van richtlijn 1999/5/EC, 2009/125/EC. Portugese: Este equipamento cumpre os reguesitos essênciais da Directiva 1999/5/EC, 2009/125/EC Norwegian: Dette utstyret er i samsvar med de viktigste kravene og andre relevante regler i Direktiv 1999/5/EC, 2009/125/EC. Swedish: Denna utrustning är i överensstämmelse med de väsentliga kraven och övriga relevanta bestämmelser i direktiv 1999/5/EG, 2009/125/EG. Dette udstyr er i overensstemmelse med de væsentligste krav og andre relevante Danish: forordninger i direktiv 1999/5/EC, 2009/125/EC. Finnish: Tämä laite täyttää direktiivien 1999/5/EY, 2009/125/EY oleelliset vaatimukset ja muut asiaankuuluvat määräykset.

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WEEE Directive & Product Disposal

At the end of its serviceable life, this product should not be treated as household or general waste. It should be handed over to the applicable collection point for the recycling of electrical and electronic equipment, or returned to the supplier for disposal.

Declaration of Conformity

We, Edimax Technology Co., LTD., declare under our sole responsibility, that the equipment described below complies with the requirements of the European Council directive (1995/5/EC, 2006/95/EC).

Equipment : N150 Wireless ADSL Modem Router Model No. : AR-7182WnA & AR-7182WnB

The following European standards for essential requirements have been followed:

EMC	: ETSI EN 300 328 : V1.7.1(20 : EN 301 489-1 V1.9.2(2011-09 EN 301 489-17 V2.2.1(2012-0 : EN 62311 : 2008 : IEC 60950-1 : 2005 (2 nd Edition)+A1 :2009 EN 60950-1 : 2006+A11:2009	9) 09)
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E	Date of Signature: Signature: Printed Name: Title:	August, 2013 Albert Chang Director Edimax Technology Co., Ltd.



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