

FCC STATEMENT

This equipment has been tested and found to comply with the limits for a class B digital device, pursuant to part 15 of the FCC Rules. These limits are designed to provide reasonable protection against harmful interference in a residential installation.

This equipment generates, uses and can radiate radio frequency energy and, if not installed and used in accordance with the instructions, may cause harmful interference to radio communications. However, there is no guarantee that interference will not occur in a particular installation. If this equipment does cause harmful interference to radio or television reception, which can be determined by turning the equipment off and on, the user is encouraged to try to correct the interference by one or more of the following measures:

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

CE Mark Warning

This is a Class B product. In a domestic environment, this product may cause radio interference, in which case the user may be required to take adequate measures.

EC DECLARATION OF CONFORMITY (EUROPE)

In compliance with the EMC Directive 89/336/EEC, Low Voltage Directive 73/23/EEC, this product meets the requirements of the following standards:

- EN55022
- EN55024
- EN60950

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Package contents

The following contents should be found in your box:

- > One CMP-ADSL2ROU10 External ADSL2+ ROUTER
- > One AC power Adapter for CMP-ADSL2ROU10 External ADSL2+ ROUTER
- > One Resource CD for CMP-ADSL2ROU10 External ADSL2+ ROUTER, including:
- This Guide
- Other Helpful Information
- Quick installation Guide Program
- > Quick installation Guide
- > One RJ45 cable
- > Two RJ11 cable
- > One ADSL splitter

Chapter 1: Product Overview

KÖNIG® CMP-ADSL2ROU10 External ADSL2+ ROUTER is the latest product designed and manufactured by KÖNIG Technologies Co., Ltd. With KÖNIG's excellent circuit design and high quality production, we guarantee the ADSL2+ ROUTER's high performance, great stability and easy to use.

The CMP-ADSL2ROU10 uses integrated ADSL2+ transceiver and a 256-MHz MIPS32 CPU. The AFE supports full-rate ADSL connectivity conforming to the ITU and ANSI specifications; MIPS32 CPU with MMU and 16-KB I-cache/8-KB D-cache is integrated into the device.

In addition to the basic DMT physical layer functions, the ADSL PHY supports dual latency ADSL framing (fast and interleaved) and the I.432 ATM Physical Layer.

The CMP-ADSL2ROU10 is a complete plug-and-play solution. With standard Ethernet interface, it can be directly connected to any 10M/100M Ethernet devices, support Auto-MDIX.

The CMP-ADSL2ROU10 not only uses html (web mode through Ethernet port) to configure the ROUTER but also uses external utility software. You can download it from our website (http://www.KÖNIG.com).

1.1 Product main specification

- Adopt the high performance IC which integrate the AFE transceiver and the 256 MHZ MIPS32 CPU, guarantee that this product is efficient and steady.
- > High speed and asymmetry data transmit mode, built-in 4-port switch realize multi-user to share wide-band internet access
- > Support All ADSL2+ industrial standards
- > Compatible with all mainstream DSLAM (CO)
- > Firmware upgradeable
- > Provide integrated access of internet and route function which face to SOHO user
- > Advanced DMT modulation and demodulation
- > Real-time Configuration and device monitoring
- Quick response semi-conductive surge protect circuit, provides reliable ESD and surge-protect function

1.2 Supporting protocol

- G.992.1 (G.dmt) Annex A/B/C
- G.992.2 (G.lite) Annex A/B/C
- ANSI T1.413
- G.992.3 (ADSL2) Annex A/B/C/M and Annex L (RE-DSL) compliant
- G.992.5 (ADSL2+) Annex A/B/C and Annex L (RE-DSL) compliant

- ADSL dual latency (fast path and interleaved path)
- I.432 ATM physical layer compliant
- Supports RFC2364 (PPPoA)
- Supports RFC2516 (PPPoE)
- Supports RFC1483 (EoA)(Bridged *and Router)
- Supports RFC1577 (IPoA)

NOTE. "*" Needs the third-party software.

1.3 Transmit data-rate

- > Max download data-rate: 24Mbps
- > Max upload data-rate: 1Mbps
- > Max line length: 6Km

1.4 ATM property

- > AAL0, AAL5, OAM, RM, and raw cell types supported
- Direct hardware support for 4 Receive VCs, with additional RX VCs and TX VCs supported in software
- > Full 24-bit Virtual Path Identifier (VPI) and Virtual Circuit Identifier (VCI)

1.5 System support

- > Support PVC
- > Support NAT、DHCP and so on
- > Support IEEE 802.3、IEEE 802.3u
- > Support 10Base-T/100BASE-TX full-duplex or half duplex Ethernet
- Support Auto-MDIX

1.6 Working environment

- > Operating temperature: 0 □~40 □
- > Storage temperature: -40 □~70 □
- Humidity: 10%~90% (non-condensing)

1.7 Electric parameter

- > Adaptor power Output: 9VAC/0.8A , 50Hz or 60 Hz
- > Power consumption: 6W Maximum

Chapter 2: Hardware Installation Guide

The CMP-ADSL2ROU10 maintains five separate interfaces, four Ethernet and one ADSL interface. The Router should not be located where it will be exposed to moisture or excessive heat. Place the Router in a location where it can be safely connected to the various devices as well as to a power source.

2.1 System requirement

Confirm your computer has been installed with networking interface card (NIC) before connecting ADSL2+ ROUTER to your computer, with operating system supporting the TCP/IP protocol.

2.2 LED explanation

The front panel of ADSL2+ ROUTER includes one power indicator (RED) and seven function indicators (GREEN), as explained in chart 1-1:

Indicator	Description	Status	Function Details
PWR	Power	On	Power OK
FVIR	Fower	Off	Power fail
		Slow flash	Self-detecting when power up
ADSL	ADSL status	Quick flash	Connecting to the telecom network
		On	Connection to telecom network OK
		On	There is mistake when ADSL transmitting data or
ALARM	Mistake		receiving data
		Off	ADSL normal
		On	There is data transmitting or receiving on WAN
ACT	Data		port
		Off	No data transmitting or receiving on WAN port
		0.7	
LAN		On	1~4(LAN) port normal
1~4	Ethernet	Off	Connection on 1~4(LAN) port abnormal
		Flash	Data transmitting or receiving on 1~4(LAN) port

Chart 1-1

2.3 Rear-panel

- > **ON/OFF**: Turn on/off the ADSL2+ ROUTER's power.
- Power (9VAC/0.8A input): please do not use any unknown power adaptor, otherwise your ADSL2+ ROUTER may be damaged.
- RESET(reset default): First press the reset button of ROUTER, then turn on the ROUTER's power for at least three seconds. It will resume the default

manufacturer's setup.

- > 1~4(LAN): Connect with your computer's NIC.
- LINE(WAN): Connect to the MODEM Port of Splitter or Connecting the telephone line.

2.4 Hardware installation procedures (figure2-1)

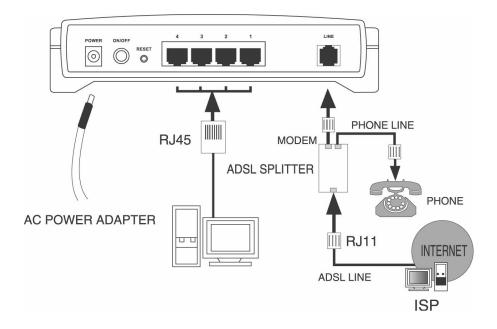
The procedure to install the Router can be described in general terms in the following steps:

First Step: Connecting the MODEM port of Splitter with the CMP-ADSL2ROU10 ADSL2+ ROUTER LINE port by telephone line. While you need to use a telephone, please attach telephone line into the phone of Splitter.

Second Step: Connect category 5 cable with RJ45 jacks to the ADSL2+ ROUTER's LAN port and your computer's NIC.

Third Step: Plug one end of the AC Power Adapter into the Power jack on the Ethernet ADSL2+ ROUTER and the other end to a standard electrical outlet.

Last Step: Check the line connection to see if everything is ready. Power up finally.



(Figure2-1)

Chapter 3: System Configuration

3.1 Computer Configuration

- 1. Connect the cable according to Chapter 2, turn on the power.
- 2. Change the IP address of your PC(Figure 3-1): Open TCP/IP Properties of the LAN

card in your PC, enter the IP address as 192.168.1.* (* is any value between 2 to 254, Net mask is 255.255.255.0, Gateway is 192.168.1.1, DNS address is the value provided by ISP).

ternet Protocol (TCP/IP) Prop	perties ?
General	
	automatically if your network supports ed to ask your network administrator for
O Obtain an IP address auton	natically
$\square \bullet$ Use the following IP addres	38:
IP address:	192.168.1.168
S <u>u</u> bnet mask:	255 . 255 . 255 . 0
Default gateway:	192.168.1.1
C Obtain DNS server address	automaticallu
Use the following DNS serv	
Preferred DNS server:	202 . 96 . 128 . 133
Alternate DNS server:	202 . 96 . 128 . 188
	Ad <u>v</u> anced
	OK Cancel

Figure 3-1

Please note:

Users of Windows 98 can open **TCP/IP Properties** according to the following: Right-click (Mouse) **Network Neighbor** -> Choose **Properties** -> Double-click **TCP/IP PCI Fast Ethernet Adapter**.

The users of Windows 2000/NT/XP can do the following: Right-click **Network Neighbor** -> Choose **Properties** -> Right-click **Local Connection** -> Choose **Properties** -> Double-click **Internet Protocol (TCP/IP).**

NOTE: The words in fact may be different with this guide.

Remarks: you can check whether your configuration is successful through **PING** command. Enter **Ping 192.168.1.1**

If the screen looks like the following, you have been successful.

Pinging 192.168.1.1 with 32 bytes of data: Reply from 192.168.1.1: bytes=32 time<10ms TTL-128

•••

If the screen looks like the following, the connection has failed. Please try again.

Pinging 192.168.1.1 with 32 bytes of data: Request timed out.

3.2 Login

Startup Internet Explorer, and enter 192.168.1.1; then enter default user name(admin),

password(admin), When ADSL2+ connection is OK, you will see the Figure 3-2.

Connect to 19	2.168.1.1	? 🛛
DSL Router		
User name:	🖸 admin	~
Password:	••••	
	Remember my passw	ord Cancel

Figure 3-2

Then you will see the Figure 3-3. You will see some information such as link rate and so on.

3.02L.0	-2M-8M 19.A2pB019b8.d1 -0.8 tatus of your DSL 192.168.1.1
1.0.37- turrent st	-0.8
urrent si ps):	tatus of your DSL
ps):	
(КЫрэ).	192.168.1.1
	192.168.1.1
(vubs).	192.168.1.1
	192.168.1.1
	192.168.1.1
	192.168.1.1

Figure 3-3

Default value of user name and password is "admin"; if you want to change them, please

go to "Management" \rightarrow "Access control" \rightarrow "Passwords". (Figure 3-4)

	Access Control	Passwords			
	Access to your DSL I	router is controlled thro	ough three user accounts: admin, support, and user.		
Device Info	The core name lade	nin" has unrestricted a	ccess to change and view configuration of your DSL Router.		
Advanced Setup	The user hame aut	nin nas unrestricted a	ccess to change and view configuration of your DBL Router.		
Diagnostics	The user name "sup	port" is used to allow a	an ISP technician to access your DSL Router for maintenance and to run diagnost		
Management					
Settings	The user name "user" can access the DSL Router, view configuration settings and statistics, as well as, update the router's				
System Log	software.				
Access Control	وربوا ولواحك وولا وورا		a start and shall like it is also as an analysis and the start of the second starts		
Services	a space.	r w enter up w 16 char	acters and click "Apply" to change or create passwords. Note: Password cannot (
IP Addresses	a operation				
Passwords	Username:	admin	*		
Update Software	Old Password:				
Save/Reboot	New Password:				
	Confirm Password:				
		10 - 10 - 10 - 10 - 10 - 10 - 10 - 10 -			
			Save/Apply		
			29A6/White		

Figure 3-4

3.3 Web Setup

Choose "Advanced Setup" \rightarrow "WAN", you will enter the page of Wide Area Network (WAN) Setup, you will see the Figure 3-5.

	Wide Are	a Networ	k (WAN) S	etup							
	Choose Ad	d, Edit, or	Remove to	configure W	/AN interface	s.					
Device Info	Choose Sa	ve/Reboot	t to apply the	e changes a	nd reboot th	e system.					
Advanced Setup							-				
WAN	VPI/VCI	Con. ID	Category	Service	Interface	Protocol	Igmp	QoS	State	Remove	Edit
LAN	0/32	1	UBR	br_0_32	nas_0_32	Bridge	N/A	Disabled	Enabled		Edit
Security			100000					1			
Routing	1/33	1	UBR	br_1_33	nas_1_33	Bridge	N/A	Disabled	Enabled		Edit
DSL Diagnostics	0/35	1	UBR	br_0_35	nas_0_35	Bridge	N/A	Disabled	Enabled		Edit
Management	0/100	1	UBR	br_0_100	nas_0_100	Bridge	N/A	Disabled	Enabled		Edit
	8/35	1	UBR	br_8_35	nas_8_35	Bridge	N/A	Disabled	Enabled		Edit
	8/81	1	UBR	br_8_81	nas_8_81	Bridge	N/A	Disabled	Enabled		Edit
	0/200	1	UBR	br_0_200	nas_0_200	Bridge	N/A	Disabled	Enabled		Edit

Figure 3-5

There are 7 PVC links in the **WAN** setup page, choose the fit PVC according to your needs, and then click the **edit** button, you will enter the page of ATM PVC Configuration (See Figure 3-6)

	ATM PVC Configuration This screen allows you to configure an ATM PVC identifier (VPI and VCI) and select a service category. Otherwise choose an
	existing interface by selecting the checkbox to enable it.
Device Info	
Advanced Setup	VPI: [0-255] 0
WAN	VCI: [32-65535] 32
LAN	
Security	Service Category: UBR Without PCR 😺
Routing	
DSL	
iagnostics	
lanagement	
	Enable Quality Of Service
	Enabling packet level QoS for a PVC improves performance for selected classes of applications. QoS cannot be set for CBR ar Realtime VBR. QoS consumes system resources; therefore the number of PVCs will be reduced. Use Advanced Setup/Que of Service to assign priorities for the applications.
	Enable Quality Of Service
	Back

Figure 3-6

Enter **VPI/VCI** value and service category which is provided by your ISP, click **next** to enter the next step. You will see the figure 3-7.

NOTE: The type of network protocol selected may be different in different area, there are five types (Figure 3-7), So you should ask your ISP to acquire the local type of network protocol and Encapsulation mode.

Connection Type Select the type of network protocol and encapsulation mode over the ATM PVC that your ISP has instructed you to use. Note th 02.1q VLAN tagging is only available for PPPoE, MER and Bridging.
O PPP over ATM (PPPoA)
O PPP over Ethernet (PPPoE)
MAC Encapsulation Routing (MER)
O IP over ATM (IPOA)
Bridging
Encapsulation Mode
Back Next
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Figure 3-7

After choosing the proper protocol, enter the correct parameters supported by your ISP.

Enable the configurations, then you will go to Internet.

> PPP over ATM (PPPoA)

If you select the protocol of PPP over ATM (PPPoA), you will see the figure 3-8, enter the value of user name and password which is provided by your ISP, after selecting the other function (often using the default setup), click the **next** button.

	PPP Username and Pa	assword						
	PPP usually requires that	PPP usually requires that you have a user name and password to establish your connection. In the boxes below, enter the us						
Device Info	name and password that	at your ISP has provided to y	/0U.					
Advanced Setup								
WAN								
LAN	PPP Username:	sjg123@163.gd						
Security	PPP Password:	0)9125@100.90						
Routing								
DSL	Authentication Method:	AUTO	×					
Diagnostics								
Management	Dial on demand (w	/ith idle timeout timer)						
	PPP IP extension							
	Use Static IP Addre	BSS						
			/					

Figure 3-8

You will see the figure 3-9. Then turn on the selected functions according to your demands. Clicking the **next** button to enter the next step, you will see the Figure 3-10, finally click **save** to complete the configuration.

	Enable IGMP Multicas	t, and WAN Service		
Device Info	Enable IGMP Multicast			
Advanced Setup	Enable WAN Service			
WAN				
LAN	Service Name	br_0_32		
Security				
Routing				
Diagnostics			Back Next	
Management			DOCK NORC	
management				
		72004 Broadcom Co	rooration. All rights reserved.	

Figure 3-9

	WAN Setup - Summ	ary	
,	Make sure that the se	ttings below match the se	ings provided by your ISP.
Device Info			
Advanced Setup	VPI / VCI:	0 / 32	
WAN	Connection Type:	PPPoA	
LAN	Service Name:	br_0_32	
Security	Service Category:	UBR	
Routing	IP Address:	Automatically Assigned	
Diagnostics	Service State:	Enabled	
lanagement	NAT:	Enabled	
	Firewall:	Enabled	
	IGMP Multicast:	Disabled	
	Quality Of Service:	Disabled	
			o make any modifications. Iterface and further configure services over this interface. Back Save

Figure 3-10

> PPP over Ethernet (PPPoE)

If you select the protocol of PPP over Ethernet (PPPoE), you will see the figure 3-11, enter the value of user name and password which is provided by your ISP, after selecting the other function(often using the default setup), click the **next** button.

	titan a second	
1	PPP Username and Pa	assword
		at you have a user name and password to establish your connection. In the boxes below, enter the us
Device Info	name and password that	hat your ISP has provided to you.
Advanced Setup		
WAN		
LAN	PPP Username:	sjg123@163.gd
Security		
Routing	PPP Password:	
DSL	PPPoE Service Name:	aaabbbccc
Diagnostics	Authentication Method:	: AUTO
Management	🔲 Dial on demand (w	with idle timeout timer)
	PPP IP extension	
	🔲 Use Static IP Addr	ress
		Back Next

Figure 3-11

You will see the figure 3-12. Then turn on the selected functions according to your needs. Clicking the **next** button to enter the next step, you will see the Figure 3-13, finally click **save** to complete the configuration.

	Enable IGMP Multicas	t, and WAN Service		
Device Info	Enable IGMP Multicast			
Advanced Setup	Enable WAN Service			
WAN	CHADIE WAN DE VILE		-	
LAN	Service Name	br_0_32		
Security				
Routing				
DSL				
Diagnostics			Back Next	
Management				
			orporation. All rights reserved.	

Figure 3-12

Device Info	Make sure that the set	uings below match the se	ngs provided by your ISP.
Advanced Setup	VPI / VCI:	0 / 32	
WAN	Connection Type:	PPPoE	
LAN	Service Name:	br_0_32	
Security	Service Category:	UBR	
Routing	IP Address:	Automatically Assigned	
DSL		1 2	
Diagnostics	Service State:	Enabled	
Management	NAT:	Enabled	
	Firewall:	Enabled	
	IGMP Multicast:	Disabled	
	Quality Of Service:	Disabled	
			o make any modifications. Iterface and further configure services over this interface. Back Save

Figure 3-13

> MAC Encapsulation Routing (MER)

If you select the protocol of MAC Encapsulation Routing (MER), you will see the page(Figure 3-14). Enter the parameter and the way which is provided by your ISP, then click the **next** button.

1.2	Enter information provided to you by your 15P to configure the WAIN 1P settings.
	Notice: DHCP can be enabled for PVC in MER mode if "Obtain an IP address automatically" is chosen.Changing the default gate or the DNS effects the whole system. Configuring them with static values will disable the automatic assignment from DHCP or WAN connection.
Device Info	If you configure static default gateway over this PVC in MER mode, you must enter the IP address of the remote gateway in th
Advanced Setup	"Use IP address". The "Use WAN interface" is optional.
WAN	
LAN	O Obtain an IP address automatically
Security	O Use the following IP address:
Routing	WAN IP Address: 192.168.1.1
DSL	WAN Subnet Mask: 255.255.255.0
Diagnostics	
Management	Obtain default gateway automatically
Management	O Use the following default gateway:
	Use IP Address:
	Use WAN Interface:
	Obtain DNS server addresses automatically
	O Use the following DNS server addresses:
	Primary DNS server:
	Secondary DNS server:
	Back
	72004 Broadcom Corporation, All rights reserved.

Figure 3-14

You will see the figure 3-15. Then turn on the selected functions according to your needs. Clicking the **next** button to enter the next step, you will see the Figure 3-16, finally click **save** to complete the configuration.

Device Info Advanced Setup	Network Address Translation Settings Network Address Translation (NAT) allows you to share one Wide Area Network (WAN) IP address for multiple computers on y Local Area Network (LAN).
WAN	Enable NAT 🔽
LAN	Enable Firewall 🔽
Security	
Routing	
DSL	Enable IGMP Multicast, and WAN Service
Diagnostics	
Management	Enable IGMP Multicast. 🔲
	Enable WAN Service 🔽
	Service Name: br_0_32
	Back Next
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Figure 3-15

	WAN Setup - Summ Make sure that the se	
evice Info	Make sure triat the se	tungs below m
Ivanced Setup	VPI / VCI:	0 / 32
VAN	Connection Type:	MER
AN	Service Name:	br_0_32
Security	Service Category:	
Routing	IP Address:	192.168.1.1
agnostics	Service State:	Enabled
nagement	NAT:	Enabled
*	Firewall:	Enabled
	IGMP Multicast:	Disabled
	Quality Of Service:	Disabled

Figure 3-16

> IP over ATM (IPoA)

If you select the protocol of IP over ATM (IPoA), you will see the figure 3-17, enter the parameter and the way which is provided by your ISP, then click the **next** button.

1	WAN IP Settings
a	Enter information provided to you by your ISP to configure the WAN IP settings.
Device Info	
Advanced Setup	Notice: DHCP is not supported in IPoA mode. Changing the default gateway or the DNS effects the whole system. Configuring the
WAN	with static values will disable the automatic assignment from other WAN connection.
LAN	WAN IP Address: 192.168.1.1
Security	
Routing	WAN Subnet Mask: 255.255.0
DSL	
Diagnostics	Use the following default gateway:
Management	Use IP Address: 192.168.1.44
Concernation of the second	🗌 Use WAN Interface: 🛛 💌
	☑ Use the following DNS server addresses:
	Primary DNS server: 192.168.1.1
	Secondary DNS server: 192.168.1.1
	Back

Figure 3-17

You will see the page (figure 3-18), then turn on the selected functions according to your demands. Clicking the **next** button to enter the next step, you will see the Figure 3-19, finally press **save** to complete the configuration.

	Network Address Translation Settings
	Network Address Translation (NAT) allows you to share one Wide Area Network (WAN) IP address for multiple computers on
Device Info	Local Area Network (LAN).
Advanced Setup	
WAN	Enable NAT 🛛 🔽
LAN	Enable Firewall 🔽
Security	
Routing	
DSL	Enable IGMP Multicast, and WAN Service
Diagnostics	
Management	Enable IGMP Multicast.
	Enable WAN Service 🔽
	Service Name: br_0_32
	Back

Figure 3-18

-						
vice Info	WAN Setup - Summ Make sure that the se	520				
Ivanced Setup	VPI / VCI:	0 / 32				
/AN	Connection Type:	IPoA				
N	Service Name:	br_0_32				
ecurity	Service Category:					
outing	IP Address:	192,168,1.1				
GL						
nostics	Service State:	Enabled				
agement	NAT:	Enabled				
	Firewall:	Enabled				
	IGMP Multicast:	Disabled				
	Quality Of Service:	Disabled				

Figure 3-19

> Bridging

If you select the Bridging protocol, you just open the bridge service function options, you will see the figure 3-20, then click the **next** button, you will see the Figure 3-21, finally press **save** to complete the configuration.

Device Info Advanced Setup WAN LAN Security Routing DSL Unselect the checl Unselect the checl Routing DSL Unselect the checl Un	k box below to disable to	his WAN service
Diagnostics		Back
Management		

Figure 3-20

	WAN Setup - Summ	
evice Info	Make sure that the se	ttings below mat
vanced Setup	VPI / VCI:	0 / 32
AN	Connection Type:	Bridge
N .	Service Name:	br_0_32
ecurity	Service Category:	UBR
outing	IP Address:	Not Applicable
GL Inostics	Service State:	Enabled
agement	NAT:	Enabled
	Firewall:	Enabled
	IGMP Multicast:	Not Applicable
	Quality Of Service:	

Figure 3-21

NOTE: After you complete the settings, the new settings must be saved and the Router must be restarted for the settings to go into effect. Please press the **Save/Reboot** button to restart, referring to the Figure 3-22.

evice Info	Choose Ad	d, Edit, or		configure W	/AN interface nd reboot th						
Advanced Setup	1	1	la contra c	-				1	1	p	-
WAN	VPI/VCI	Con. ID	Category	Service	Interface	Protocol	Igmp	QoS	State	Remove	Edit
LAN	0/32	1	UBR	br_0_32	nas_0_32	Bridge	N/A	Disabled	Enabled		Edit
Security							1.1				
Routing	1/33	1	UBR	br_1_33	nas_1_33	Bridge	N/A	Disabled	Enabled		Edit
DSL	0/35	1	UBR	br_0_35	nas 0 35	Bridge	N/A	Disabled	Enabled		Edit
Diagnostics	0/33	-	UDR	01_0_33	11d5_0_33	billuge	N/A	Disableu	Chableu		Euit
Management	0/100	1	UBR	br_0_100	nas_0_100	Bridge	N/A	Disabled	Enabled		Edit
	8/35	1	UBR	br_8_35	nas_8_35	Bridge	N/A	Disabled	Enabled		Edit
	8/81	1	UBR	br_8_81	nas_8_81	Bridge	N/A	Disabled	Enabled		Edit
	0/200	1	UBR	br_0_200	nas_0_200	Bridge	N/A	Disabled	Enabled		Edit

Figure 3-22

NOTE: All of the above setup is under windows XP OS.

3.4 Software Dial

If CMP-ADSL2ROU10 CPE work in bridged (RFC 1483 Bridged) mode when it connects Internet. You must to install dial software on your PC. There are some software working

on WINDOWS in market, example for EnterNet3000、RASPPPoE、WinPeET.

How do I set up the connection in the windows XP?

- The users of Windows XP can click the "start->All Programs->Accessories-> Communications->New connection wizard", then click Next to enter the setting page.
- Please you select the "connect to the internet", and then click the Next button to enter the next page and select the "set up my connection manually", click Next to enter the next page.
- Please select the "connect using a broadband connection that requires user name and password", click Next to type the name of your ISP in the current page, and then click Next.
- Type an ISP account name and password, if you have forgotten an existing account name or password, please connect with your ISP, click Next.

- To create the connection and close this wizard, click finish to add a shortcut to this connection to your desktop.
- When you assess the internet by ADSL, double-click this shortcut of dial connection in your desktop, type the account name and password, then click **connect** to connect the Internet.

Chapter 4: Advantage management setup

In order to satisfy customer's needs, feel free to utilize Advantage application and on-line

software upgrade, we provided a perfect Web management interface for you, its main

function is as follows:

- Upgrade software
- Modify the default IP address of the port of LAN(192.168.1.1)
- Modify the login password
- Configure DHCP
- > Check the information of IP and the operation status
- Configure the NAT function
- Configure the DNS parameters
- Configure RIP(Routing Information Protocol)
- Configure IP route
- Configure Security rule
- Configure DSL parameter

Chapter 5: FQA

- 1. What related parameters are required to acquire ISP when you want to access the internet by ADSL2+ ROUTER?
 - 1) Dial user: Connection protocol, User name, Password, Value of VCI/VPI, Encapsulation mode of AAL5 and so on.
 - 2) Static IP user: Connection protocol, WAN IP Address, Subnet Mask, Gateway, Value of VCI/VPI, Encapsulation mode of AAL5 and so on.

2. About Connection protocol, VCI/VPI, Encapsulation mode of AAL5

1) This product supports the PPP protocol over ATM (PPPoA)、 PPP over Ethernet

(PPPoE), MAC Encapsulation Routing (MER), IP over ATM (IPoA) and Bridging.

That may be used with any one of the five protocols above. Because the ISP in different areas supports different protocols, choosing protocol must be supported by ISP.

- 2) The VPI is the English abbreviation of the Virtual Path Identifier, the VCI is the English abbreviation of the Virtual Channel Identifier, the value of VCI/VPI must be compatible with the value that provided by ISP.
- 3) Encapsulation mode of AAL5 include: LLC/SNAP and VC_MAX(often using LLC/SNAP).

3. Why are the LAN Indicators and the NIC both bright, but the setting interface is inaccessible?

- 1) Use the **ping 192.168.1.1** order to check the Accuracy of connection.
- 2) Check the Accuracy of working NIC.
- 3) Whatever the setting the IP address of your computer (if you close the DHCP function, you can't obtain the IP address automatically, must specify the IP address of your computer manually).
- 4) Run the winipcfg order in the windows 95/98(run the ipconfig order in the windows 2000) to check the IP address setup, subnet mask, default gateway by DHCP.
- 5) Resume the ADSL default configuration if necessary.

4. Complete all configurations, but can't dial through computer

- 1) Check the indicator led of ADSL, it should be working normally.
- 2) Check the accuracy of parameter of value of VPI/VCI, Encapsulation mode of AAL5 and so on, whether you need to install the software of dial the number,

such as Winpoet, Enternet.

3) This product has the PPP dial procedure inside, so you will not need to use the

dial software if your protocol is PPPoA or PPPoE, ADSL will connect automatically.

You can check whether your router succeeds in connection with **PING** command.

5. In setting process, the connection is intermitted, how is this done? Please re- log on to the pages, and configure once more.

Appendix A: Default Configuration

USER NAME	admin
PASSWORD	admin
IP ADDRESS	192.168.1.1
VPI/VCI	0/32,1/33,0/35,0/100,0/200,8/35,8/81