

RX3041&SL200 Internet Connection Configuration Guide

V1.0



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Introduction

This document describes how to set up ASUS RX3041/SL200 for getting connection to the Internet and provides troubleshooting tips to help you fix some simple problems.

Chapter 1: Connecting the router

The figure below illustrates a connection diagram example.



Chapter 2: Getting to know Internet connection type

The router supports following connection types: Automatic IP, Static IP, PPPOE, PPTP, L2TP, Bigpond

- ✓ By default, the Router's Internet Connection Type is set to **Dynamic IP**, which should be kept only if your ISP (Internet Service Provider) supports DHCP (Dynamic Host Configuration Protocol) or you are connecting through a dynamic IP address.
- If your ISP has assigned you a permanent, fixed (static) IP address for your computer, select "Static IP". In this type, you should have a static IP address from your ISP, and Subnet mask, Gateway IP address are necessary.
- Most of DSL-based ISPs use PPPoE (Point-to-Point Protocol over Ethernet) to establish Internet connections, select "PPPOE". If you are connected to the Internet through a DSL line, check with your ISP to see if they use PPPoE. In this type, you should have Username and Password from your ISP.
- Point to Point Tunneling Protocol (PPTP) and Layer 2 Tunneling Protocol (L2TP).
 PPTP is a service that usually applies to connections in some European countries



only. In this type, you should have IP address, Subnet mask, Default Gateway, Username and Password from your ISP.

✓ BigPond is a service used in Australia only. If you are using a **Bigpond** connection, check with your ISP for the necessary setup information.

Chapter 3: Configuring the router

3.1 Enter into router's Web-based configuration page

a) Open browser and type router's IP address: http://192.168.1.1 (the default address)



- b) Input username and password, both of them: admin (the default value)
- c) Click **Cancel** when show "do you like to start Quick Setup directly" (if you want to use Quick Setup, please refer to manual or Quick Start Guide's description).

		ASUS RX3041	
	oduct Name ASUS RX30	141	
Wizard	Wizard		
Status System	Host Name	RX3041	
▶ WAN ▶ LAN	Domain Name		
 NAT Firewall 	Time Zon	(GMT+08:00) Hong Kong, Perth, Singapore, Taipei	×
Routing UPnP	Daylight Saving	Enabled from : FEB 💌 2 💌 to: FEB 💌 2 💌	
DDNS Logout		(Next)	



3.2 WAN Connection Type ---- Dynamic IP

Wizard		
System	WAN Connection Mode	
✓ WAN →Connection →DNS	Dynamic IP Obtain an IP address automatically from your service provider.	
▶ LAN ▶ NAT	Static IP Address Use a static IP address. Your service provider gives a stat address to access Internet services.	tic IP
Firewall Routing UPnP	C PPPoE PPP over Ethernet is a common connection method used to xDSL	for
DDNS Logout	C PPTP PPT Tunneling Protocol can support multi-protocol Virtual Private Networks (VPN).	
	C L2TP Layer 2 Tunneling Protocol can support multi-protocol Virt Private Networks (VPN).	tual
	Dynamic IP Address	
	Request IP address	
	MTU(576-1500) 1500	
	MAC Cloning 🔽 Enabled	
	MAC Address 00 - 15 - F2 - 36 - E6 - C3 Clone MAC	
	BigPond Enabled	
	OK Cancel	

a) Click WAN → Connection, Select WAN Connection Mode as Dynamic IP Address.

- b) MAC Cloning is optional as your ISP request. If it's necessary, please enable the MAC Cloning and fill the MAC of your PC in MAC Address field. Click Clone MAC button will clone the MAC of current PC automatically.
- c) Then click **OK** to save and apply the setting.
- d) Click **Continue** back to configuration page.

Wizard Status D System WAN -Connection -DONS LAN D NAT Firewall D Routing DDNS Logout		Save OK !	

e) Check if the WAN interface gets a dynamic IP address and related information. Click **Status** will show WAN information.



System		Internet	You can use the Status screen t
→Administrator	Cable/DSL	Connected	see the connection status of WAN/LAN interfaces, firmware
→Firmware Upgrade	WAN IP	192.168.174.200	version numbers, and the numb
⇒Log	Subnet Mask	255.255.255.0	of connected clients to your
₹ WAN	Gateway	192,168,174,250	network. The following items ar
→Connection →DNS	DNS	192 168 128 10	included in this screen:
Z LAN	Secondary DNS	192 168 129 4	Internet
→Settings →DHCP Client List	Demain Name	192.100.129.4	Displays WAN connection
NAT			type and status.
/ Firewall Routing	Connection Type	Dynamic IP	Gateway
UPnP	Connection Time	00:00:02	settings, as well as DHC
DDNS	Re	lease Renew	NAT and Firewall status.
	Gateway		Information
	IP Address	192,168,1.1	Displays the number of
	Subnet Mask	255.255.255.0	as the Router's firmwar
	DHCP Server	Enabled	version numbers.
	NAT	Enabled	
	Firewall	Enabled	
		Information	
	System Up Time	02:03:48	
	System Date	7/6/2007 19:4:40	
	Connected Clients		
	connected chemis	1	

3.3 WAN Connection Type ---- Static IP

a) Click WAN → Connection, Select WAN Connection Mode as Static IP Address.

b) Configure Static IP Address → Input IP Address, Subnet Mask, ISP Gateway provided by your ISP. MAC Cloning is optional as your ISP request.

Mizard		
Status	WAN Connection Mode	Static IP
System WAN	C Dynamic IP Obtain an IP address automatically from your service provider.	gateway etc.
→DNS LAN	Static IP Address address to access Internet services.	MAC Cloning MAC address of WAN. If you
NAT Firewall	C PPPoE PPP over Ethernet is a common connection method used for xDSL	use Cable Modern you must
Routing UPnP DDNS	C PPTP PPT Unneling Protocol can support multi-protocol Virtual Private Networks (VPN).	Clone MAC Address button
Logout	C L2TP Layer 2 Tunneling Protocol can support multi-protocol Virtual Private Networks (VPN).	Ethernet Card installed by your ISP and replace the
		WAN MAC address with this
	Static IP Address	MAC address.
	IP address assigned by your ISP 222 , 111 , 222 , 111	
	Subnet Mask 255 , 255 , 255 , 0	
	ISP Gateway Address 222 , 111 , 222 , 1	
	MTU(576-1500) 1500	
	MAC Cloning Ves	
	MAC Address 00 - 15 - F2 - 36 - E6 - Clone MAC	
	More IP addresses	
	Does ISP provide more IP addresses?	
	More IP addresses	

- c) If your ISP provides more IP addresses, please select **Yes** for enabling more IP addresses, and fill **More IP Addresses**, then click **Add** button.
- d) Then click **OK** to save and apply the setting.
- e) Click **Continue** back to configuration page.



Wizard Status ▶ System Save OK !	
Status System Save OK ! -Connection -DNS	
Vystem Save OK ! →Connection →DNS	
-Connection -DNS	
→Connection →DNS	
→ ONS	
Continue	
b Ricourd	
Proving	
kounig	
Logodi	

f) Click **Status** will show WAN information.

3.4 WAN Connection Type ---- PPPoE

- a) Click **WAN→Connection**, Select WAN Connection Mode as **PPPoE**.
- b) Configure "PPPoE Account"→ Input Username, Password provided by your ISP

WAN		WAN Connection Mode	PPPoE Type your account name an
→Connection →DNS	O Dynamic IP Address	Obtain an IP address automatically from your se provider.	ervice password. Service Name is
LAN	C Static IP Address	Use a static IP address. Your service provider g address to access Internet services.	optional. ives a static IP
Routing	PPPoE	PPP over Ethernet is a common connection meth xDSL	hod used for
DDNS Logout	С РРТР	PPP Tunneling Protocol can support multi-protoc Private Networks (VPN).	ol Virtual
	C L2TP	Layer 2 Tunneling Protocol can support multi-pro Private Networks (VPN).	otocol Virtual
		PPPOE	
	User Name	pppoe_user	
	Password	•••••	3
	Please retype your pas	sword	J
	Service Name		
	MTU (546-1492)	1492	
	Maximum Idle Time (6	300 seconds	
	Connection Mode	keep-alive 💌	

- c) Then click **OK** to save and apply the setting.
- d) Click **Continue** back to configuration page.



Wizard		
Status		
System	Save OK I	
🗢 WAN	Save on :	
→Connection		
→DNS		
LAN	Continue	
NAT		
🕨 Firewall		
Routing		
UPnP		
DDNS		
Logout		

e) Check if the WAN interface gets a dynamic IP address and related information. Click **Status** will show WAN information.

3.5 WAN Connection Type ---- PPTP/L2TP

- a) Click WAN->Connection, Select WAN Connection Mode as PPTP.
- b) Select WAN Interface IP → Dynamic IP

Wizard	• РРТР	PPP Tunneling Protocol can support multi-protocol Virtual Private Networks (VPN).
Status B System	C L2TP	Layer 2 Tunneling Protocol can support multi-protocol Virtual
▼ WAN		Private Networks (VPN).
→Connection		DDTD
▶ LAN	WAN Interface Path	
NAT Erewall	WAN Interface Setu	
Routing	WAN Interface IP	Dynamic IP 💌
UPnP DDNS	MAC Cloning	✓ Enabled
Logout	MAC Address	00 : 15 : F2 : 36 : E6 : C3 Clone MAC
	PPTP Settings	
	PPTP Account	pptp_user
	PPTP Password	•••••
	Please retype your password	•••••
	PPTP Gateway	IP Address
	IP Address	222 ,111 ,222 ,1
	Connection ID	5 (Optional)
	MTU (546-1460)	1460
	Maxinum idle time (60∾3600)	300 seconds
	Connection Mode	auto-connect -
	MPPE	Enabled
		OK Cancel

c) Select WAN Interface IP → Static IP, fill IP address, Subnet Mask, Gateway that provided by your ISP. MAC Cloning is optional as your ISP request.



Wiard Status System WAN WAN Interface Settings System WAN WAN Interface IP Static IP 	_	рртр
System WAN • Connection ·DNS • DNS IP Address • LAN Subnet Mask • NAT Subnet Mask • Firewall Gateway • DDNS Logout • PPTP Settings PPTP Settings • PPTP Password •••••• PPTP Gateway IP Address IP Address 222 III 222 III 222 •••••• PPTP Settings •••••• PPTP Gateway •••••• IP Address •••••• IP Address •••••• III •••••• III •••••• IP Address •••••• III •••••• III •••••• III ••••• III ••••• III ••••• III •••• III ••• IIII ••• IIII •• IIII •• IIII •• IIII	WAN Interface S	ettings
Connection +Connection +DNS LAN NAT Frewall Routing DDNS Logout PPTP Settings PPTP Settings Logout PPTP Account PPTP Password PPTP Gateway IP Address IP Address IIP Ad	WAN Interface IP	Static IP 💌
Luw Subnet Mask 255 255 0 Firewall Gateway 222 11 222 1 UPnP DONS DONS PPTP Settings PPTP Account pptp_user PPTP PPTP Password PPTP Gateway IP Address 222 IP Address 222 VTU (565 1460) 1460	IP Address	222 ,111 ,222 ,111
Pricewall Gateway 222 111 222 1 UPnP DDNS PPTP Settings PPTP Account pptp_user PPTP Password •••••• PPTP Gateway IP Address IP Address 222 111 ,222 ,1 Connection ID 5 (Optional) VTII (565 1460) 1450	Subnet Mask	255 ,255 ,0
PPTP Settings PPTP Settings PPTP Account pptp_user PPTP Password •••••• PPTP Gateway IP Address ▼ IP Address 222 [111] 222 [1 Connection ID 5 (Optional)	Gateway	222 ,111 ,222 ,1
Logout PPTP Settings PPTP Account pptp_user PPTP Password •••••• PPTP Gateway IP Address IP Address 222_111_222_1 Connection ID 5 NTU (546-1460) 1460		
PPTP Account pptp_user PPTP Password •••••• Please retype your password IP Address • IP Address • IP Address • Connection ID 5 ((Optional))	PPTP Settings	
PPTP Password Please retype your password PPTP Gateway IP Address IP Address (Optional)	PPTP Account	pptp_user
Please retype your password IP Address IP Ad	PPTP Password	•••••
PPTP Gateway IP Address IP Address IP Address Connection ID S (Optional)	Please retype you password	r
IP Address 222 J111 J222 J1 Connection ID 5 (Optional)	PPTP Gateway	IP Address
Connection ID 5 (Optional)	IP Address	222 ,111 ,222 ,1
NTU (546-1460) 1460	Connection ID	5 (Optional)
FILD (340-1400) 1400	MTU (546-1460)	1460
Maxinum idle time 300 seconds	Maxinum idle time (60∝3600)	300 seconds
Connection Mode auto-connect	Connection Mode	auto-connect 💌
MPPE Enabled	MPPE	Enabled
OK Cancel		OK Cancel

- d) Configure PPTP Account and PPTP Password provided by ISP. And Select the PPTP Gateway type and fill the gateway info. Connection ID is optional as your ISP request.
- e) Then click **OK** to save and apply the setting.
- Check if the WAN interface gets a dynamic IP address and related information. Click f) Status will show WAN information.

L Tip: The setting steps of L2TP are similar as PPTP, please click

Wizard	О РРТР	PPP Tunneling Protocol can support multi-protocol Virtual Private Networks (VPN).
Status ▶ System ♥ WAN →Connection	C L2TP	Layer 2 Tunneling Protocol can support multi-protocol Virtual Private Networks (VPN).
→DNS		L2TP
NAT	WAN Interface Set	tings
 Firewall Routing UDeD 	WAN Interface IP	Dynamic IP 💌
DDNS	MAC Cloning	✓ Enabled
Logout	MAC Address	00 :15 :F2 :36 :E6 :C3 (Clone MAC)
	L2TP Settings	
	L2TP Account	l2tp_user
	L2TP Password	•••••
	Please retype your password	•••••
	L2TP Gateway	IP Address
	IP Address	222 111 222 1
	MTU (546-1460)	1460
	Maxinum idle time (60∾3600)	300 seconds
	Connection Mode	auto-connect 💌
		OK Cancel

WAN→Connection, and select WAN Connection Mode as L2TP.



3.6 WAN Connection Type ---- BigPond

- a) If you are using a BigPond connection, check with your ISP for the necessary setup information.
- b) Click WAN →Connection, Select WAN Connection Mode as Dynamic IP Address, and enable BigPond. Fill the User Name, Password and Authentication Server in proper field.

	MAN (Dunamia TR Address
Wizard	WAN / Dynamic IF Address
Status	WAN Connection Mode
👂 System	
✓ WAN →Connection	Dynamic IP Address Obtain an IP address automatically from your service provider.
→DNS ▶ LAN	C Static IP Address Use a static IP address. Your service provider gives a static IP address to access Internet services.
 NAT Firewall 	C PPPoE PPP over Ethernet is a common connection method used for xDSL
Routing UPnP DDNS	C PPTP PPT Tunneling Protocol can support multi-protocol Virtual Private Networks (VPN).
Logout	C L2TP Layer 2 Tunneling Protocol can support multi-protocol Virtual Private Networks (VPN).
	Request IP address
	Dynamic IP Address
	MTU/F76 1500) 1500
	HID(576-1500) [1500
	MAC Cloning V Enabled
	MAC Address 00 - 15 - F2 - 36 - E6 - C3 Clone MAC
	BigPond Frabled
	User Name username
	Password
	Please retype your password
	Authentication dce-server
	OK Cancel

- c) Then click **OK** to save and apply the setting.
- d) Check if the WAN interface gets a dynamic IP address and related information. Click **Status** will show WAN information.

Troubleshooting Tips:

Here are some tips for solving simple problems you may have.

- ♦ Be sure to restart your network in this sequence:
- 1) Turn off the modem, router, and computer;
- 2) Turn on the modem, wait for two minutes;
- 3) Turn on the router and wait for one minute;
- 4) Turn on the computer.
- \diamond Make sure the network cables are securely plugged in.

• The WAN indicator on the router lights up if the network cable to the router from the modem is plugged in securely and the modem and router are turned on.



• For each powered on computer connected to the router with a securely plugged in network cable, the corresponding LAN port status indicator will light up. The front panel of the router identifies the number of each LAN port.

♦ Make sure the network settings of the computer are correct.

• Some cable operators authenticate the MAC address of the computer registered on the account. The MAC address here is the physical hardware address on your computer's network adaptor. If your Internet connection doesn't work, try to clone the computer's MAC Address to the router.

1) In Windows desktop, select **Start** \rightarrow **Run** \rightarrow type "cmd" command.



2) Type "ipconfig/all" to show computer's Physical Address (MAC Address).

🔤 C:\WINDOW5\system32\cmd.exe	x
Host Name : A6F Primary Dns Suffix : Node Type : Hybrid IP Routing Enabled : No WINS Proxy Enabled : No	<u> </u>
Ethernet adapter Local Area Connection:	
Connection-specific DNS Suffix : Description : : Realtek RTL8169/8110 Family Gigabit Ethernet NIC : <td:< td=""> <td:< td=""> : <td:< t<="" td=""><td></td></td:<></td:<></td:<>	
Ethernet adapter Wireless Network Connection:	
Media State Media disconnected Description Intel(R) PRO/Wireless 3945ABG Networ k Connection Physical Address : 00-13-02-02-A3-6D	
C:\Documents and Settings\Sally>	-

3) Please refer to "3.2 WAN Connection Type ---- Dynamic IP" for MAC Cloning