RX3041&SL200 Internet Connection Configuration Guide

V1.0

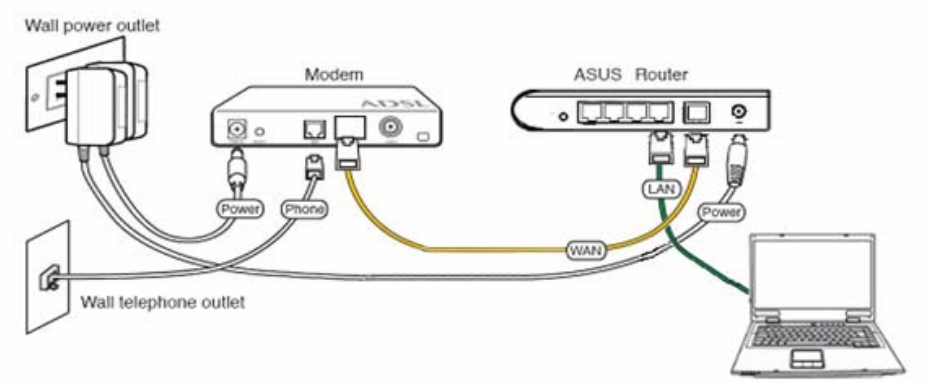
Contents

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

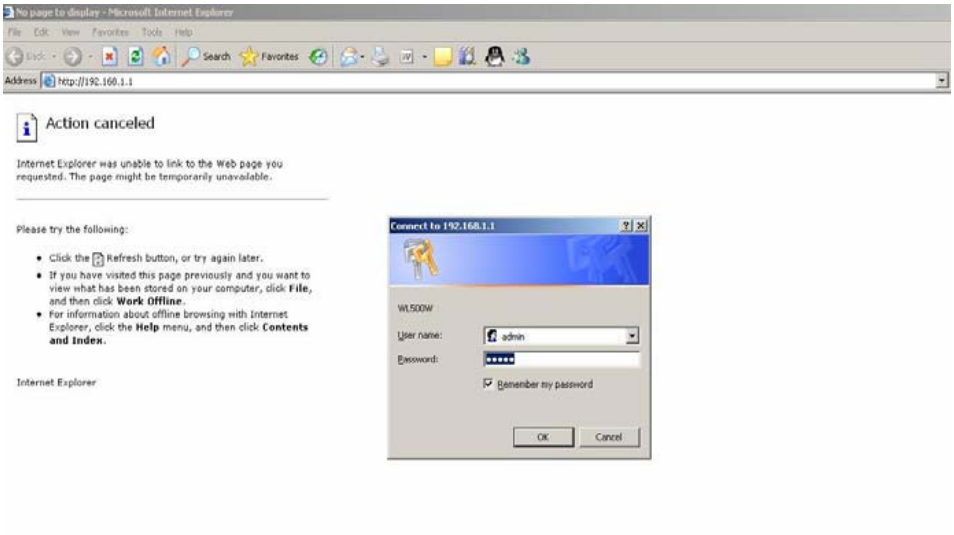
only. In this type, you should have IP address, Subnet mask, Default Gateway, Username and Password from your ISP.

✓ 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

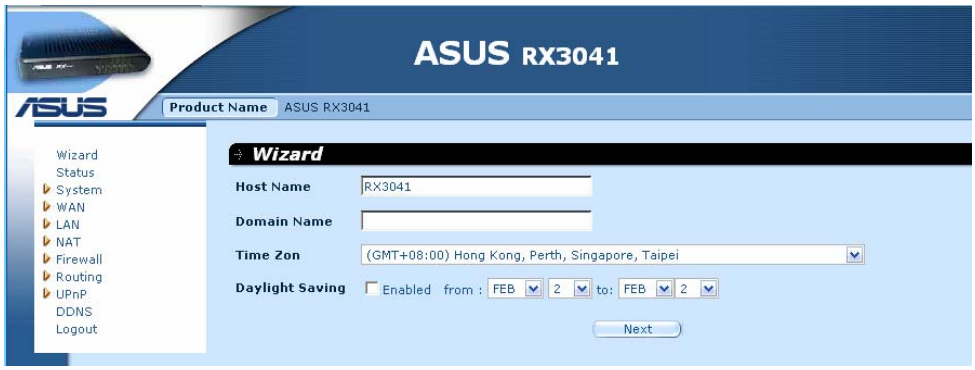
3.1 Enter into router's Web-based configuration page

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



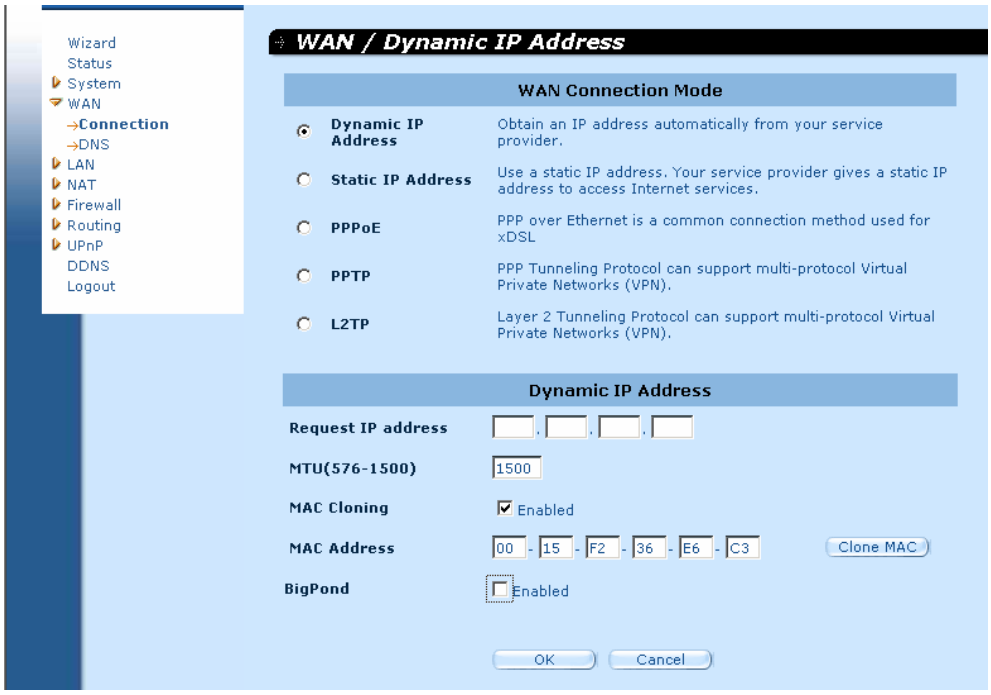
b) Input username and password, both of them: **admin** (the default value)

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).



3.2 WAN Connection Type ---- Dynamic IP

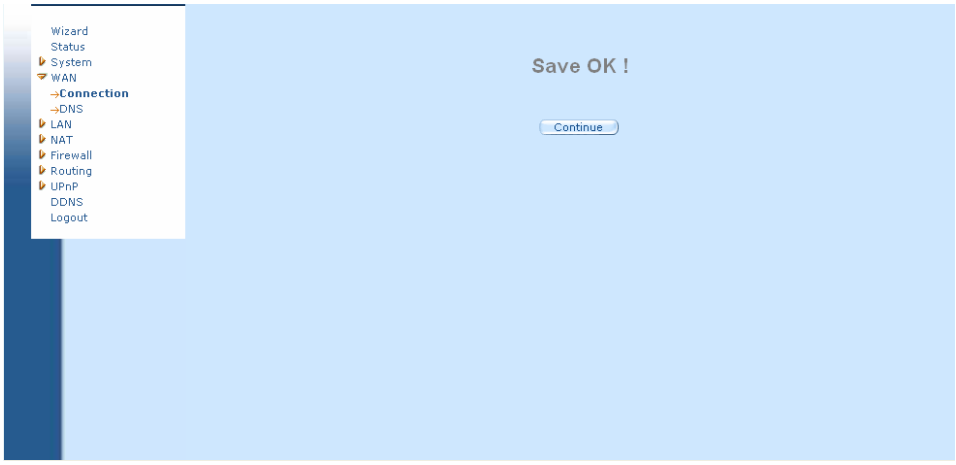
a) Click **WAN ➔Connection**, Select WAN Connection Mode as **Dynamic IP Address**.



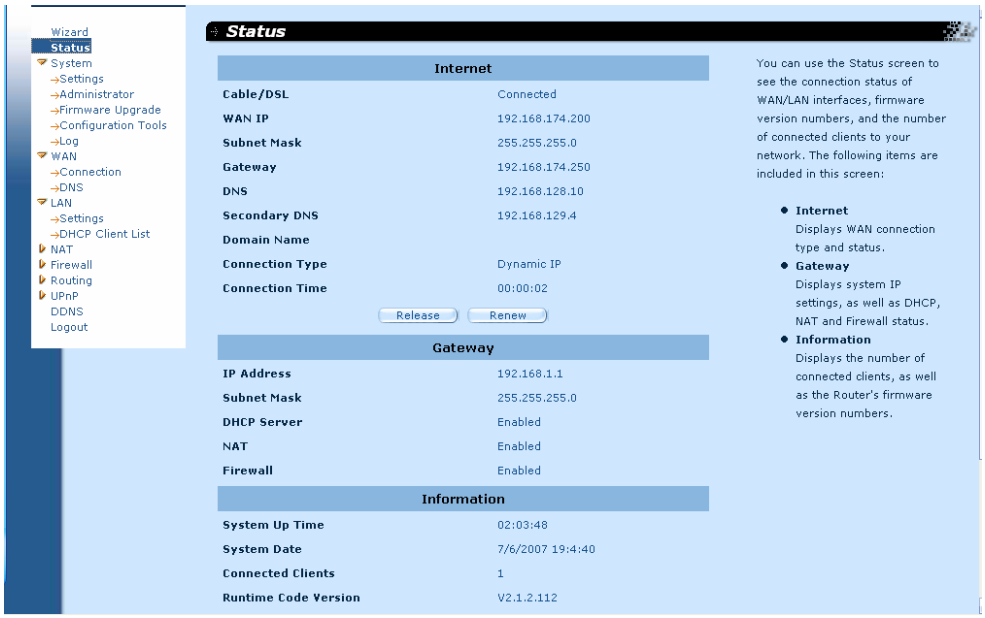
b) **MAC Cloning** is optional as your ISP request. If it's necessary, please enable the **MAC Cloning** and fill the MAC of your PC in **MAC Address** field. Click **Clone MAC** button will clone the MAC of current PC automatically.

c) Then click **OK** to save and apply the setting.

d) Click **Continue** back to configuration page.



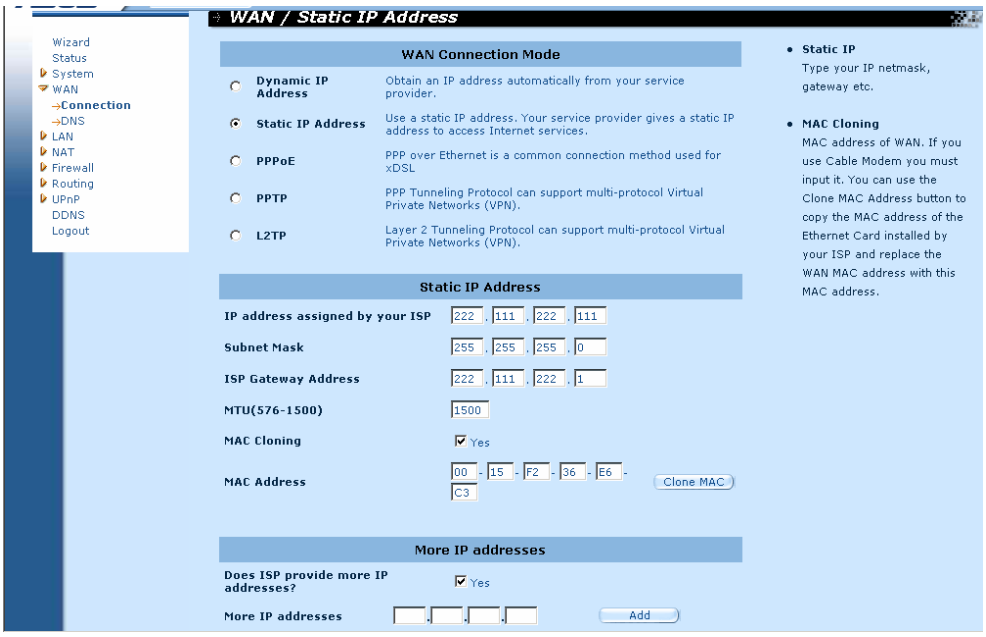
e) Check if the WAN interface gets a dynamic IP address and related information. Click **Status** will show WAN information.



3.3 WAN Connection Type ---- Static IP

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

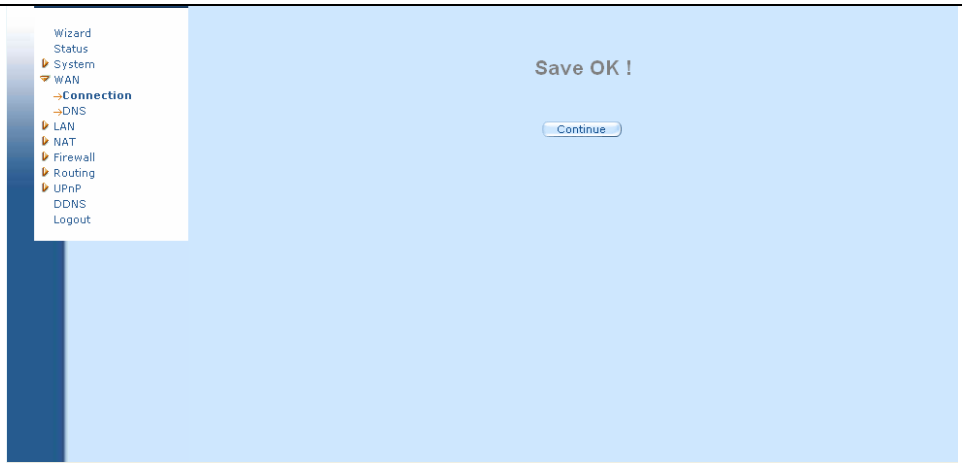
b) Configure **Static IP Address ➔** Input **IP Address**, **Subnet Mask**, **ISP Gateway** provided by your ISP. MAC Cloning is optional as your ISP request.



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.

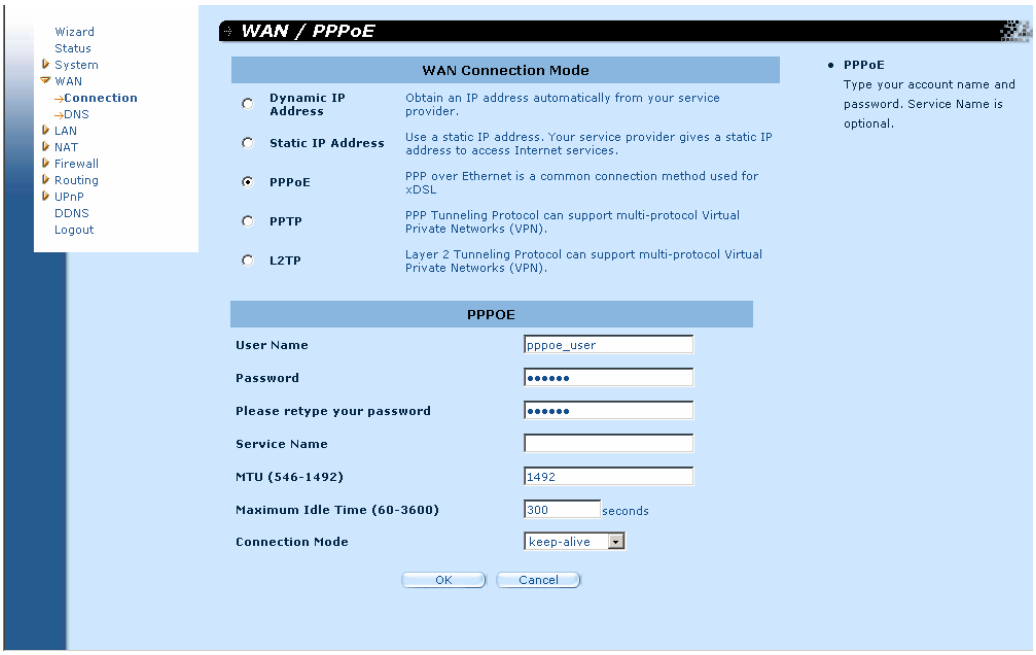


f) Click **Status** will show WAN information.

3.4 WAN Connection Type ---- PPPoE

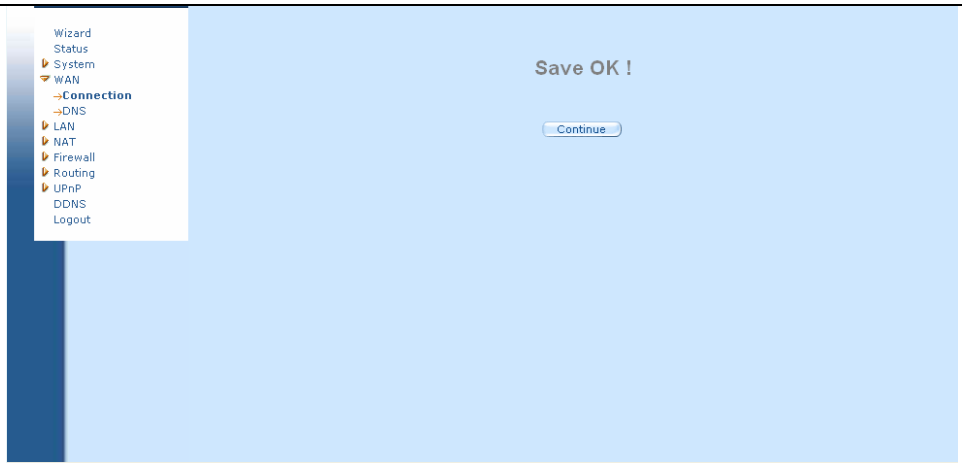
a) Click **WAN➔Connection**, Select WAN Connection Mode as **PPPoE**.

b) Configure “PPPoE Account”➔ Input Username, Password provided by your ISP



c) Then click **OK** to save and apply the setting.

d) Click **Continue** back to configuration page.

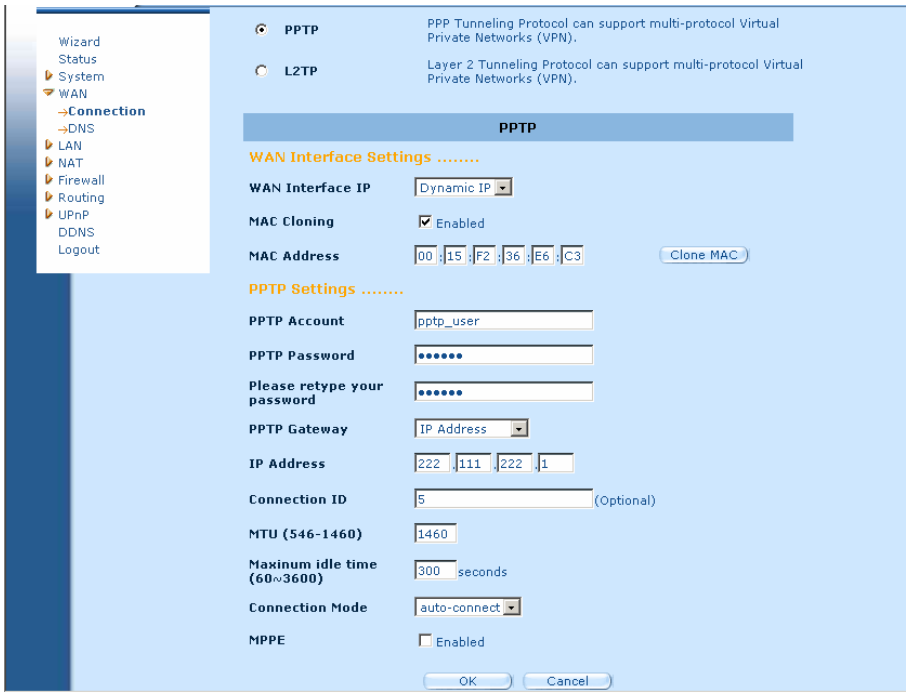


e) Check if the WAN interface gets a dynamic IP address and related information. Click **Status** will show WAN information.

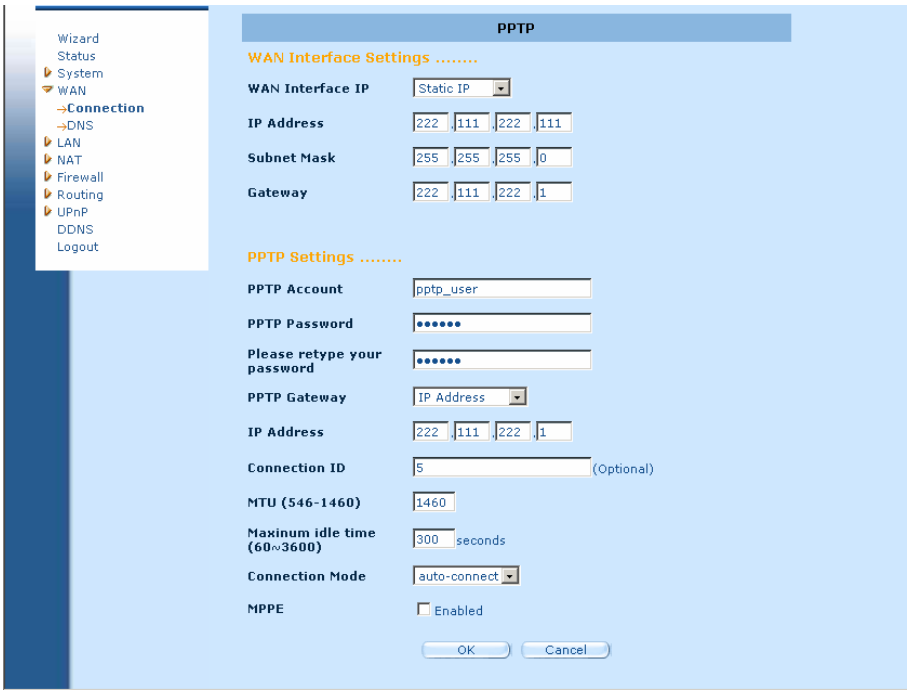
3.5 WAN Connection Type ---- PPTP/L2TP

a) Click **WAN➔Connection**, Select WAN Connection Mode as **PPTP**.

b) Select **WAN Interface IP ➔ Dynamic IP**



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.

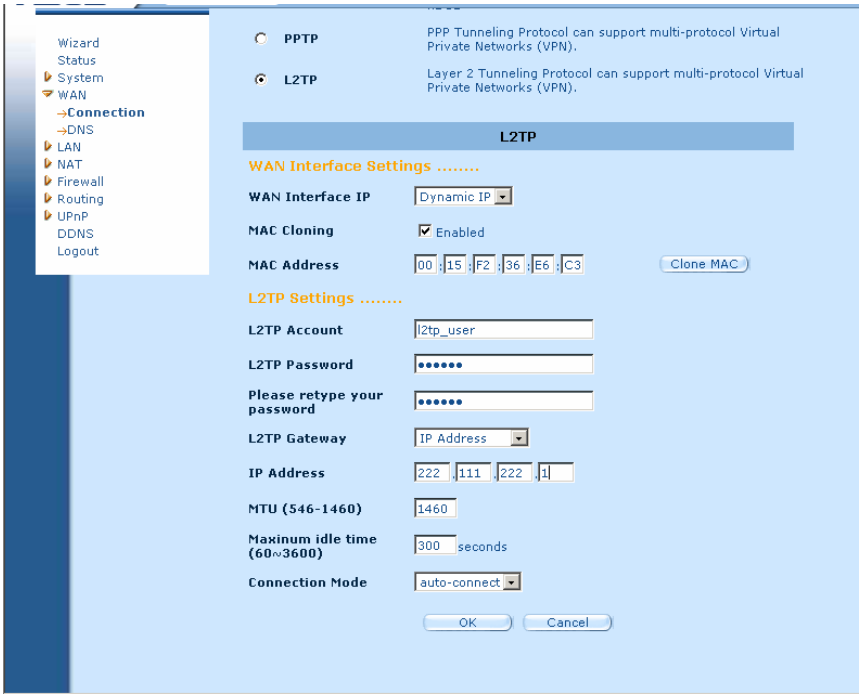


d) Configure **PPTP Account** and **PPTP Password** provided by ISP. And Select the **PPTP Gateway type** and fill the gateway info. Connection ID is optional as your ISP request.

e) Then click **OK** to save and apply the setting.

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

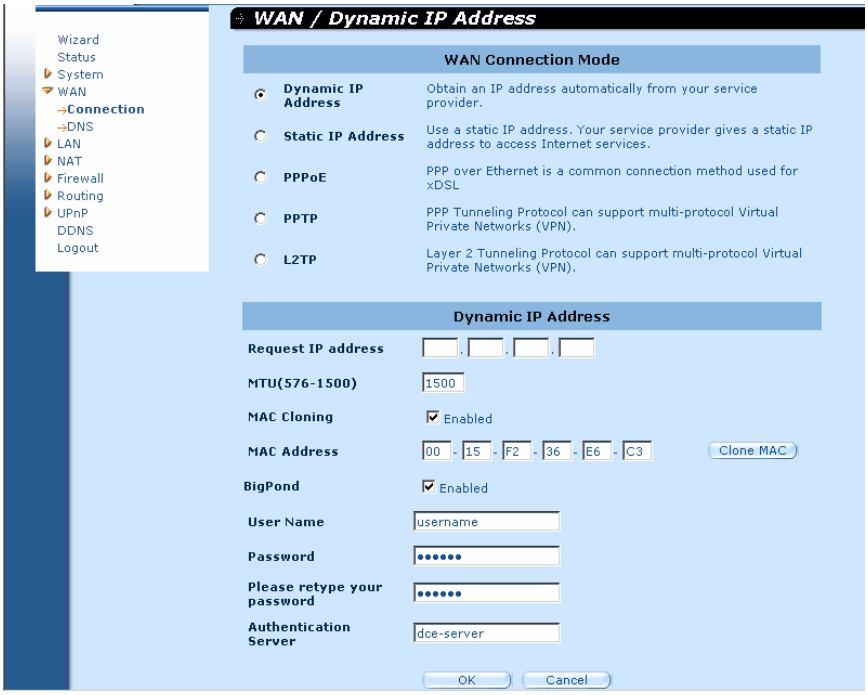
Tip: The setting steps of L2TP are similar as PPTP, please click **WAN➔Connection**, and select **WAN Connection Mode** as **L2TP.**



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.



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.

✧ Make sure the network cables are securely plugged in.

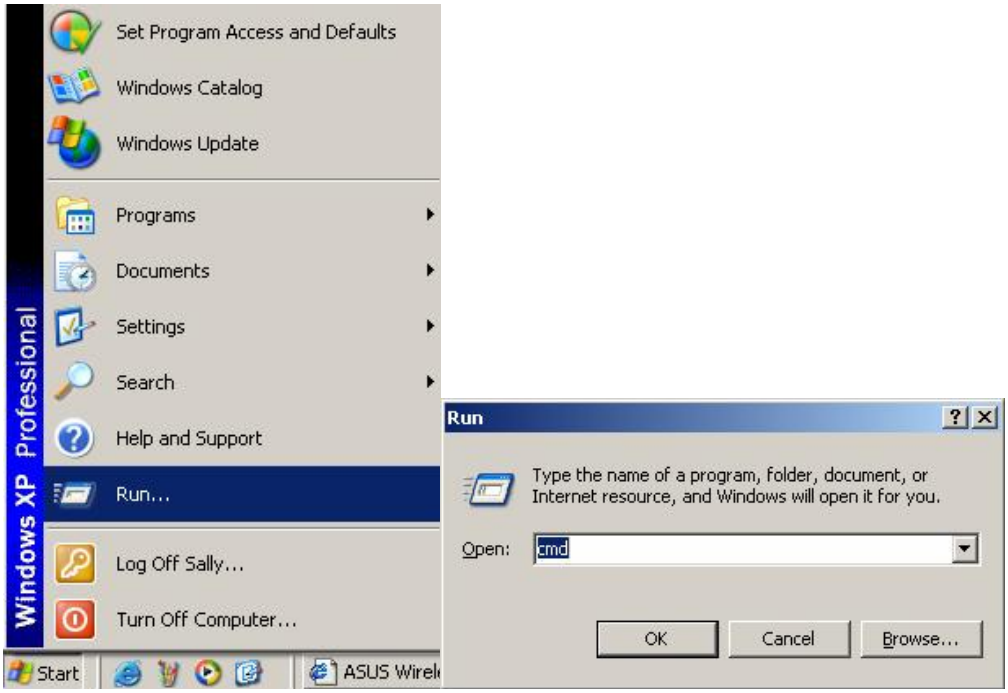
• The WAN indicator on the router lights up if the network cable to the router from the modem is plugged in securely and the modem and router are turned on.

• 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.

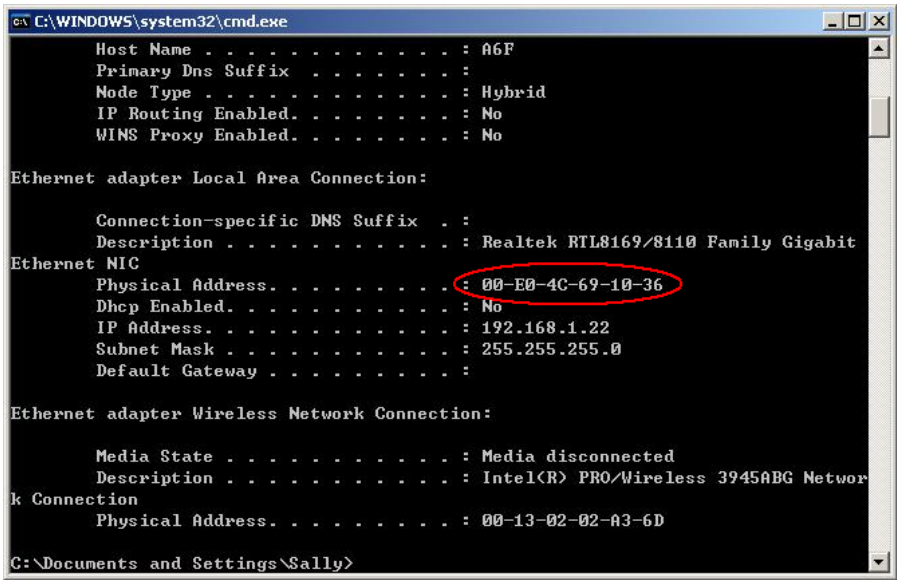
✧ Make sure the network settings of the computer are correct.

• 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 →Run →** type "cmd" command.



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



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