

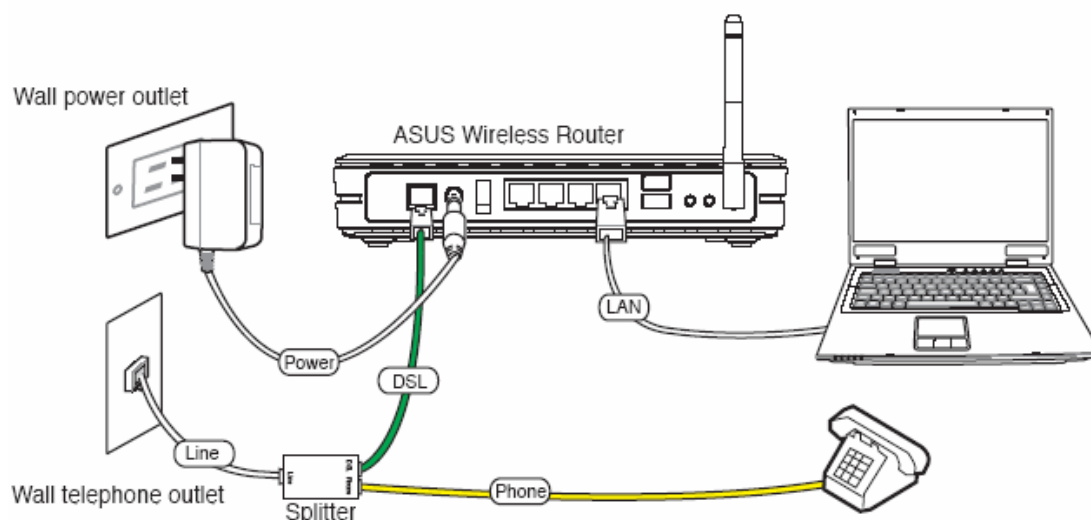
## ASUS Wireless ADSL Router Internet Configuration Guide

### Introduction:

This document describes how to set up ASUS wireless ADSL router such as WL-600g, WL-AM604g and DSL-N13 to getting connection to the Internet and provides troubleshooting tips to help you fix some simple problems.

### STEP1: Connecting the wireless router

The figure below illustrates a connection diagram example.



### STEP2: Getting to know your Internet connection type

The router supports following connection types: PPPoA(PPP over ATM), PPPoE(PPP over Ethernet), MER(MAC Encapsulation Routing), IPoA(IP over ATM), Bridging.

Please inquire your ISP what the type you use and the VPI/VCI value.

- ✓ Some DSL-based ISPs use **PPPoA** (Point-to-Point Protocol over ATM) to establish Internet connections. In this type, you must have User Name and Password from ISP supply. In addition, if your ISP supply you a permanent, fixed (static) IP address to your computer, please also fill in it to router.
- ✓ 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 must have User Name and Password from ISP supply. In addition, if your ISP supply you a permanent, fixed (static) IP address to your computer, please also fill in it to router.
- ✓ **MER** (MAC Encapsulation Routing) has two ways to get IP address: static IP or

obtain an IP address automatically. Enter information provided by your ISP to configure the WAN IP settings.

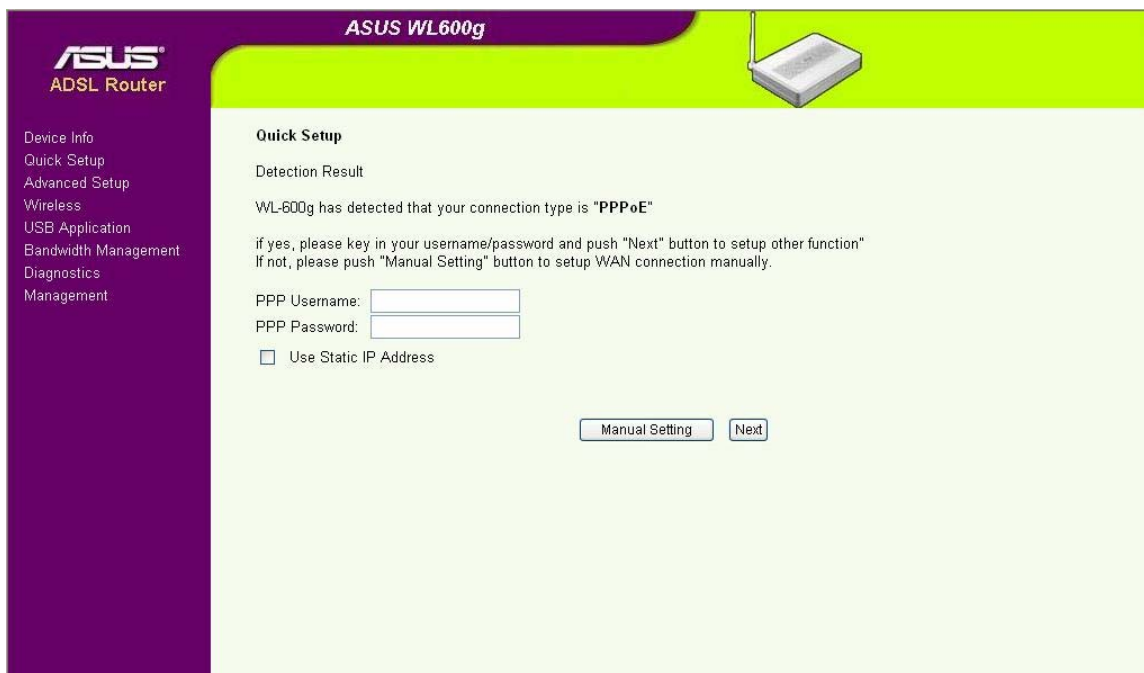
- ✓ Some DSL-based ISPs use **IPoA** (IP over ATM) to establish Internet connections, in this type, ISP will give you a permanent, fixed (static) IP address. Some ISP need special requirement, such as gateway, please require from ISP and fill in the router.
- ✓ If you are using your Gateway as a bridge, which makes the Gateway act like a stand-alone modem, select "**Bridging**"

The installation technician from your ISP should have left the setup information for the modem with you after installing your broadband connection. If not, you can call your ISP to request that data.

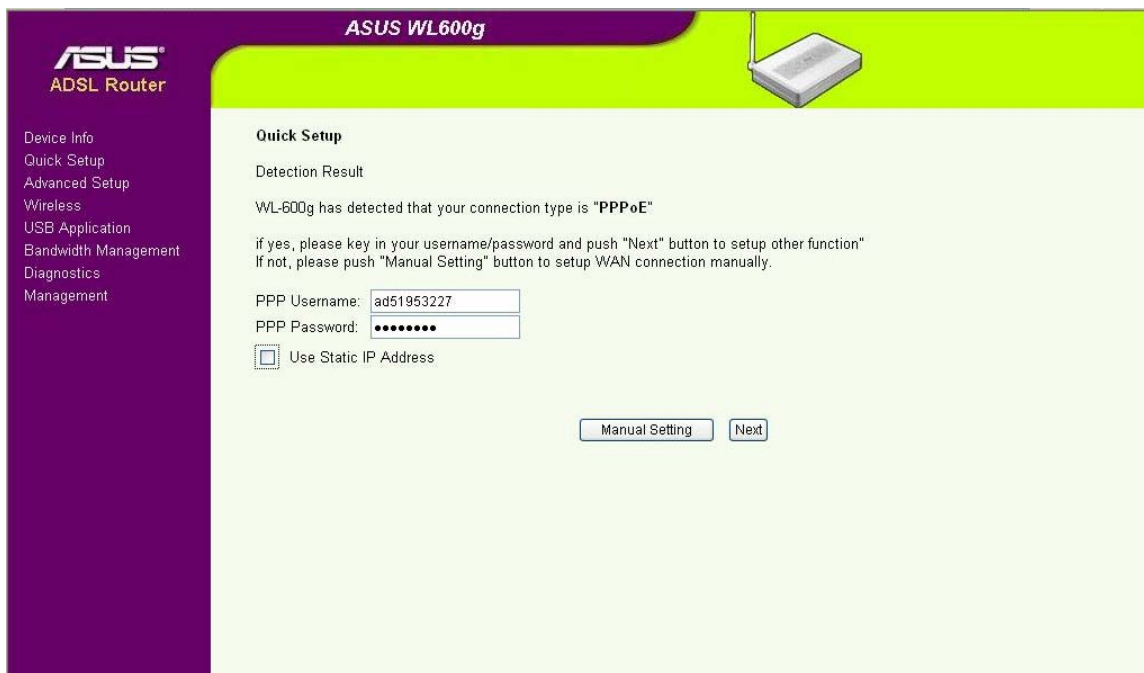
### STEP3: Configuring the router

#### 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) By default, the Quick Setup page pops up. The Quick Setup Wizard automatically detects your ADSL connection type. Please wait a minute.
- d) If ADSL connection is detected, the page shows your ISP connection type. Then click information that need, the following is PPPOE example, for your reference. For the other circumstances (PPPOA, MER, IPOA, Bridging), please refer to manual for details.



- e) Input your username and password then click **Next**.



**ASUS**  
ADSL Router

**ASUS WL600g**

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**Quick Setup**

Detection Result

WL-600g has detected that your connection type is "PPPoE"

if yes, please key in your username/password and push "Next" button to setup other function"  
If not, please push "Manual Setting" button to setup WAN connection manually.

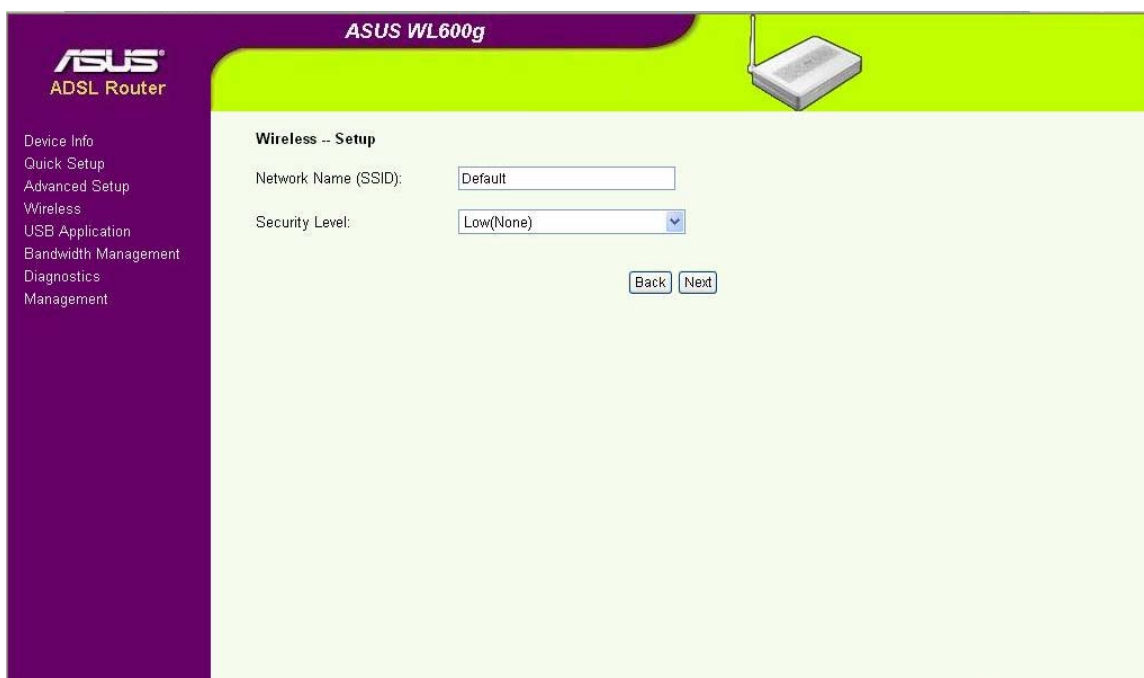
PPP Username:

PPP Password:

☐ Use Static IP Address

- f) Setup wireless SSID and Security Level, and then click **Next**. For establishing wireless connection, you need a 802.11b/g compatible WLAN card. Refer to your wireless adaptor user's manual for wireless connection procedures. By default, the SSID is set to "Default", security level is Low (no encryption)

Note: SSID is a unique identifier which emulates a password when a WLAN device attempts to communicate with the ADSL router.



**ASUS**  
ADSL Router

**ASUS WL600g**


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**Wireless -- Setup**

Network Name (SSID):

Security Level:

- g) The summary page then shows up. If the information displayed is correct, click **Save/Reboot** to finish the setup.



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### WAN Setup - Summary

Make sure that the settings below match the settings provided by your ISP.

VPI / VCI:	8 / 81
Connection Type:	PPPoE
Service Name:	pppoe_8_81_1
IP Address:	Automatically Assigned
SSID:	Default
Authentication:	None

Click "Save/Reboot" to save these settings and reboot router. Click "Back" to make any modifications.  
NOTE: The configuration process takes about 1 minute to complete and your Wireless Router will reboot.

[Back](#) [Save/Reboot](#)



2. If your ADSL connection is not detected or your actual connection is not as detected one, please click Manual Setting.
- a) Select your Country and ISP and click **Next**. If your country and ISP are not on the list, select **Not List**, key in your VPI and VCI values. Most of ISPs use encapsulation mode "LLC", click **Next**. In this case, you can refer to the table below or contact your ISP for VPI/VCI values.

ISP	VPI/VCI	Connection Type	Encapsulation Mode	Username format example
Bigpond	8/35	PPPoE	LLC	username@bigpond username@bigpond.com username@bigpond.net.au username@direct.telstra.net
Optus	8/35	PPPoE	LLC	username@optusnet.net.au
AAPT	8/35	PPPoE	LLC	username@aapt.net.au
iiNet	8/35	PPPoE	LLC	Enter username and your password.
iPrimus	8/35	PPPoE	LLC	Enter username and your password.
TPG	8/35	PPPoE	LLC	
		IPoA	LLC	Enter IP address, Subnet Mask, Gateway and DNS as instructed by TPG.
OzEmail	8/35	PPPoE	LLC	Enter username and your password.
		PPPoA	VC/MUX	
Internode	8/35	PPPoE	LLC	Enter your username and your password.
		PPPoA	VC/MUX	
		IPoA	LLC	Enter IP address, Subnet Mask, Gateway and DNS as instructed by Internode.
Dodo	8/35	PPPoE	LLC	user@dodo.com.au
iHug	8/35	PPPoE	LLC	Enter username and your password.
Pacific Internet	8/35	PPPoE	LLC	username@dsl.pacific.net.au
		PPPoA	VC/MUX	username@dsl.pacific.net.au
Xtra - New Zealand	0/100	PPPoA	VC/MUX	



And here, we use Optus for the example.

- i. Fill in the **VPI** and **VCI**, click “Next”.

The screenshot shows the 'Quick Setup' page of an ASUS router. On the left is a purple sidebar with navigation links: Device Info, Quick Setup, Advanced Setup, Wireless, USB Application, Bandwidth Management, Diagnostics, and Management. The main content area is light green. It starts with a 'Quick Setup.' section, followed by a 'Notice' about WAN settings. The 'ATM PVC Configuration' section asks to select a country and ISP from dropdown menus (both currently showing 'Not List'). Below this, it explains the need for VPI and VCI numbers and provides input fields for them. The VPI field is set to '8' and the VCI field is set to '35'. A 'Next' button is located at the bottom right of the configuration area.

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**Quick Setup.**  
This Quick Setup will guide you through the steps necessary to configure your Wireless Router.

**Notice:** There is a wan setting in your router. If you want to add a new one, please follow the web page steps to add. If you want to modify the previous setting, please go to "Advanced Setup" -> "WAN" page.

**ATM PVC Configuration**  
Select the check box below to use ASUS PVC DataBase.  
Country:   
ISP:

The Virtual Path Identifier (VPI) and Virtual Channel Identifier (VCI) are needed for setting up the ATM PVC. Do not change VPI and VCI numbers unless your ISP instructs you otherwise.  
VPI: [0-255]   
VCI: [32-65535]

- ii. Choose **PPPoE** for **Connection Type** and **LLC** for **Encapsulation Mode**, click “Next”

The screenshot shows the 'Connection Type' and 'Encapsulation Mode' configuration page. The sidebar is the same as in the previous screenshot. The main content area is light green. The 'Connection Type' section has a note about selecting the protocol and encapsulation mode. It lists six options with radio buttons: PPP over ATM (PPPoA), PPP over Ethernet (PPPoE) (which is selected), MAC Encapsulation Routing (MER), IP over ATM (IPoA), and Bridging. The 'Encapsulation Mode' section has a dropdown menu currently set to 'LLC/SNAP-BRIDGING'. 'Back' and 'Next' buttons are at the bottom right.

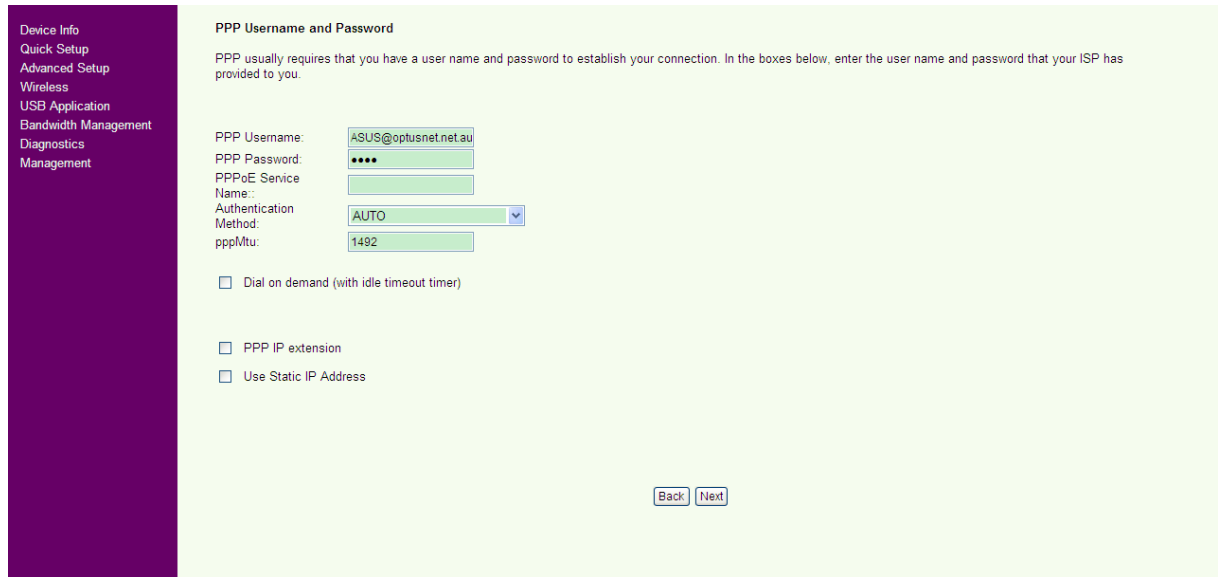
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**Connection Type**  
Select the type of network protocol and encapsulation mode over the ATM PVC that your ISP has instructed you to use. Note that 802.1q VLAN tagging is only available for PPPoE, MER and Bridging.

☐ PPP over ATM (PPPoA)  
☒ PPP over Ethernet (PPPoE)  
☐ MAC Encapsulation Routing (MER)  
☐ IP over ATM (IPoA)  
☐ Bridging

**Encapsulation Mode**

- iii. Fill in the username and password which ISP provided, click "Next".



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### PPP Username and Password

PPP usually requires that you have a user name and password to establish your connection. In the boxes below, enter the user name and password that your ISP has provided to you.

PPP Username: ASUS@optusnet.net.au  
 PPP Password: ••••  
 PPPoE Service Name:   
 Authentication Method: AUTO  
 pppMtu: 1492

☐ Dial on demand (with idle timeout timer)

☐ PPP IP extension

☐ Use Static IP Address

Back Next

- b) Refer to manual for following setup details.

## Troubleshooting Tips:

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

✧ If your PC cannot connect Internet through the router, please check with this sequence:

- 1) Check if the phone line is securely connected.
- 2) Check if VCI/VPI value is correct. If ADSL connection is established, the ADSL light should lit as green
- 3) Check if WAN configuration and each parameter are correct.