

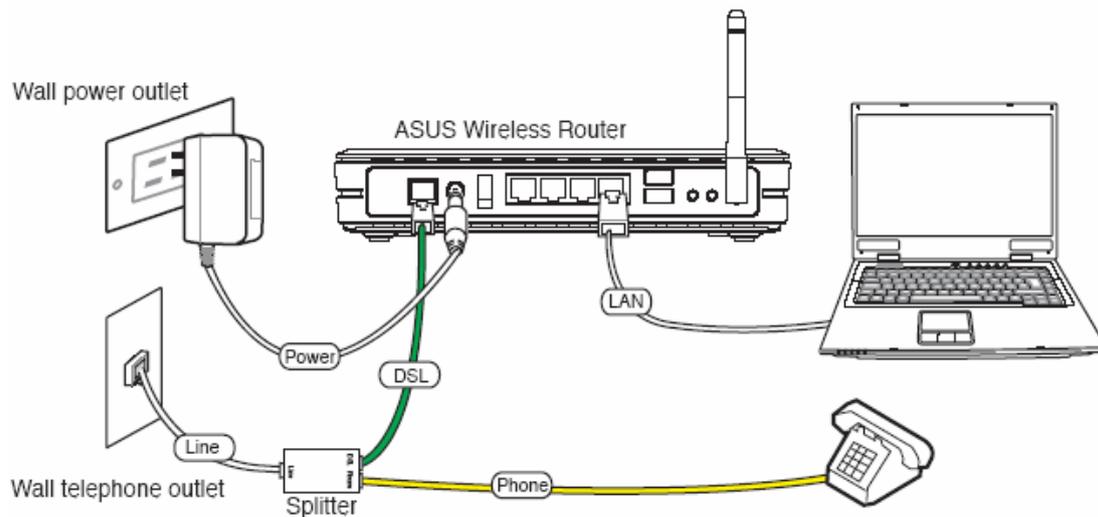
## ASUS Wireless ADSL Router Internet Configuration Guide

### 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.

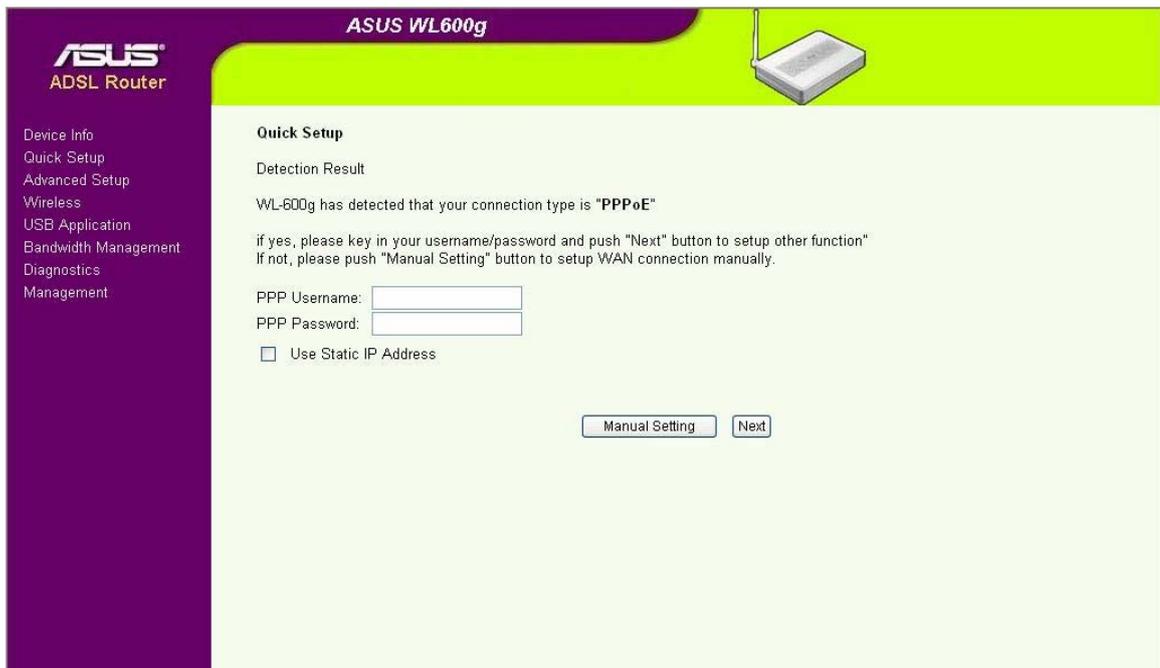
- ✓ Some DSL-based ISPs use **IPoA** (IP over ATM) to establish Internet connections, in this type, ISP will give you a permanent, fixed (static) IP address. Some ISP need special requirement, such as gateway, please require from ISP and fill in the router.
- ✓ If you are using your Gateway as a bridge,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



ASUS WL600g

ASUS  
ADSL Router

Device Info  
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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.

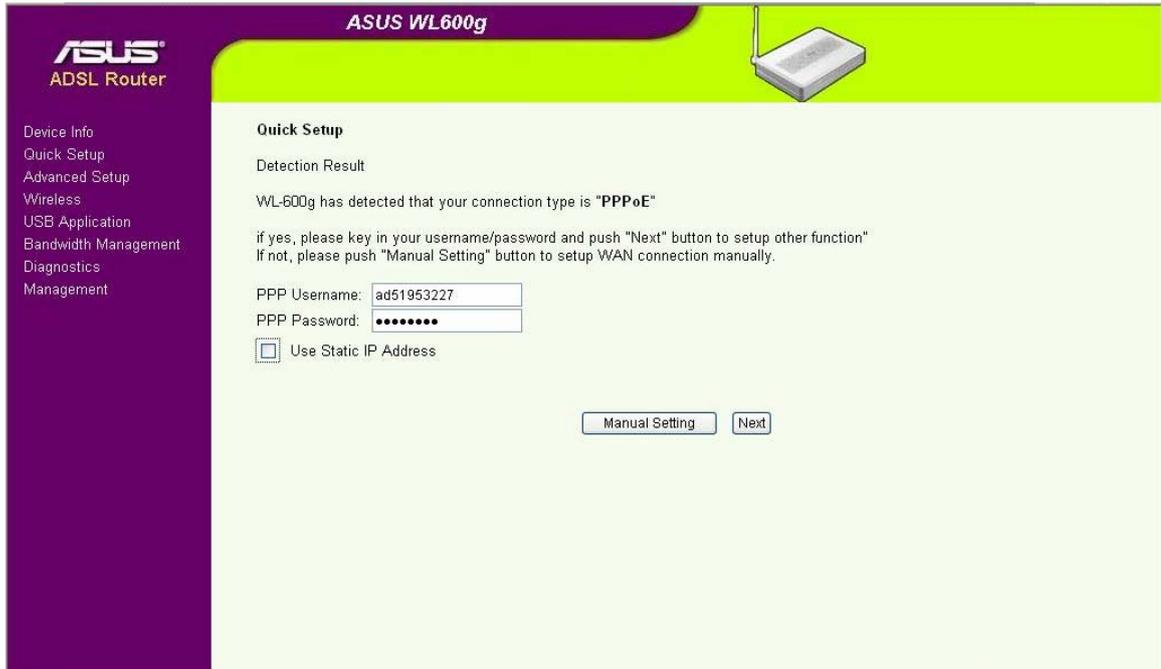
PPP Username:

PPP Password:

Use Static IP Address

Manual Setting Next

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



The screenshot shows the 'Quick Setup' page of the ASUS WL600g ADSL Router. The page has a purple sidebar on the left with navigation links: Device Info, Quick Setup, Advanced Setup, Wireless, USB Application, Bandwidth Management, Diagnostics, and Management. The main content area is white with a purple header containing the ASUS logo and 'ASUS WL600g'. A small image of the router is in the top right corner. The 'Quick Setup' section is titled 'Quick Setup' and 'Detection Result'. It states: 'WL600g has detected that your connection type is "PPPoE"'. Below this, it says: 'if yes, please key in your username/password and push "Next" button to setup other function' and 'If not, please push "Manual Setting" button to setup WAN connection manually.'. There are two input fields: 'PPP Username:' with the value 'ad51953227' and 'PPP Password:' with a masked password '••••••'. Below these is a checkbox labeled 'Use Static IP Address' which is unchecked. At the bottom right, there are two buttons: 'Manual Setting' and 'Next'.

- 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.



The screenshot shows the 'Wireless -- Setup' page of the ASUS WL600g ADSL Router. The layout is similar to the previous screen, with a purple sidebar and a white main content area with a purple header. The 'Wireless -- Setup' section is titled 'Wireless -- Setup'. It contains two fields: 'Network Name (SSID):' with the value 'Default' and 'Security Level:' with a dropdown menu showing 'Low(None)'. At the bottom right, there are two buttons: 'Back' and 'Next'.

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

**ASUS**  
ADSL Router

ASUS WL600g

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**WAN Setup - Summary**

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

<b>VPI / VCI:</b>	8 / 81
<b>Connection Type:</b>	PPPoE
<b>Service Name:</b>	pppoe_8_81_1
<b>IP Address:</b>	Automatically Assigned
<b>SSID:</b>	Default
<b>Authentication:</b>	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.



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”.

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

**Noice:** 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”

**Device Info**  
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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)

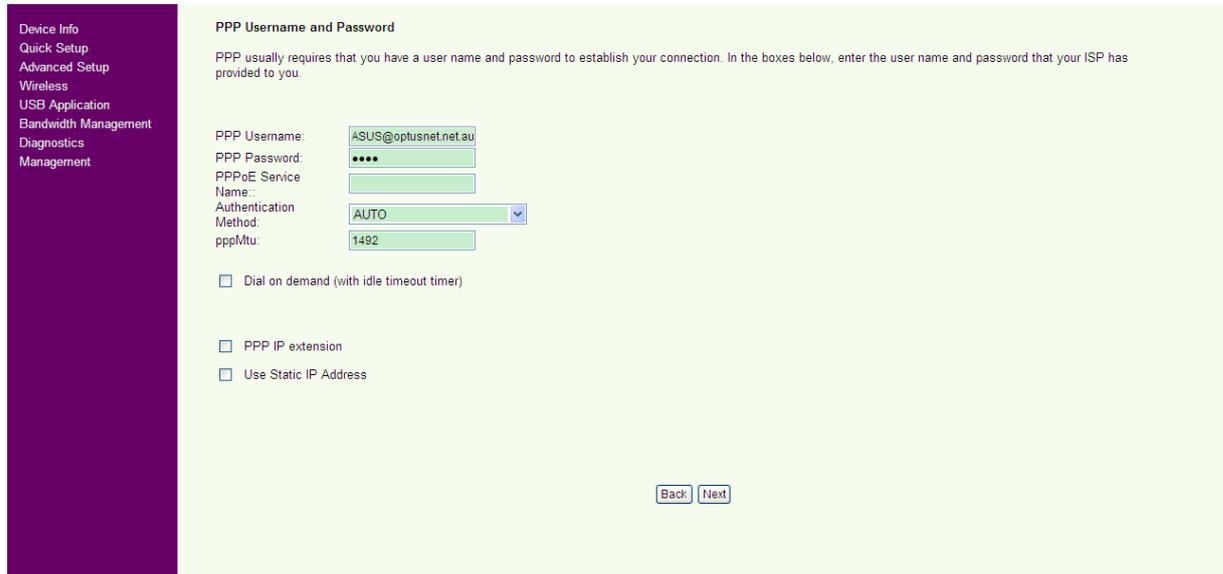
MAC Encapsulation Routing (MER)

IP over ATM (IPoA)

Bridging

**Encapsulation Mode**

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



Device Info  
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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.