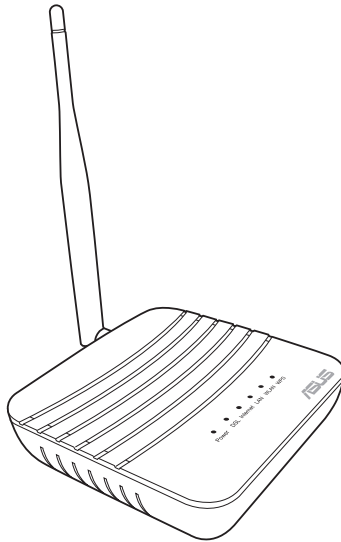




DSL-N10S

Wireless-N150 ADSL Modem Router



User Manual

E9742

First Edition
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About this guide

This user guide contains information that you need to install and configure the ASUS Wireless Router.

How this guide is organized

This guide contains the following parts:

- **Chapter 1: Knowing your wireless router**

This chapter provides information on the package contents, system requirements, hardware features, and LED indicators of the ASUS Wireless Router.

- **Chapter 2: Getting started**

This chapter provides instructions on accessing the router's web GUI and quickly setting up the Internet connection via the Quick Internet Setup (QIS) function.

- **Chapter 3: Configuring the network clients**

This chapter provides instructions on setting up the clients in your network to work with your ASUS Wireless Router.

- **Chapter 4: Configuring via the web GUI**

This chapter provides instructions on configuring the ASUS Wireless Router's Internet service settings, advanced settings, administration settings, diagnostic settings, and viewing your router's status.

- **Chapter 5: Troubleshooting**

This chapter provides you with a troubleshooting guide for solving common problems you may encounter when using the ASUS Wireless Router.

- **Appendices**

This chapter provides you with the regulatory Notices and Safety Statements.

Conventions used in this guide



WARNING: Information to prevent injury to yourself when trying to complete a task.



CAUTION: Information to prevent damage to the components when trying to complete a task.



IMPORTANT: Instructions that you **MUST** follow to complete a task.



NOTE: Tips and additional information to aid in completing a task.

1

Knowing your wireless router

Package contents

Check the following items in your ASUS Wireless Router package.

- DSL-N10S Wireless-N150 ADSL Modem Router
- RJ-45 cable
- RJ-11 cable
- Power adapter
- Warranty card
- Quick Start Guide
- External splitter



Note: If any of the items is damaged or missing, contact your retailer.

System requirements

Before installing the ASUS Wireless Router, ensure that your system/network meets the following requirements:

- An Ethernet RJ-45 port (10Base-T/100Base-TX)
- At least one IEEE 802.11b/g/n device with wireless capability
- An installed TCP/IP and Internet browser
- Operating system: Windows98® SE and higher

Before you proceed

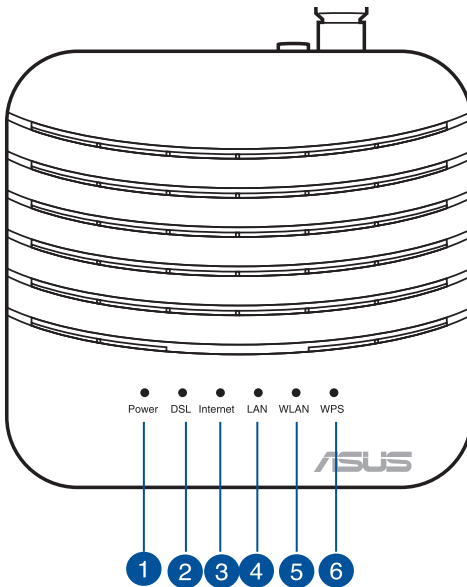
Take note of the following guidelines before installing the ASUS Wireless Router:

- The length of the Ethernet cable that connects the device to the network (hub, ADSL/cable modem, router, wall patch) must not exceed 100 meters.
- Place the device on a flat and stable surface as far from the ground as possible.
- Keep the device clear from metal obstructions and away from direct sunlight.

- Keep the device away from transformers, heavy-duty motors, fluorescent lights, microwave ovens, refrigerators, and other industrial equipment to prevent signal loss.
- Install the device in a central area to provide ideal coverage for all wireless mobile devices.
- Install the device at least 20cm from a person to comply with the RF Guidelines for Human Exposure of the Federal Communications Commission (FCC).

Hardware features

Top panel



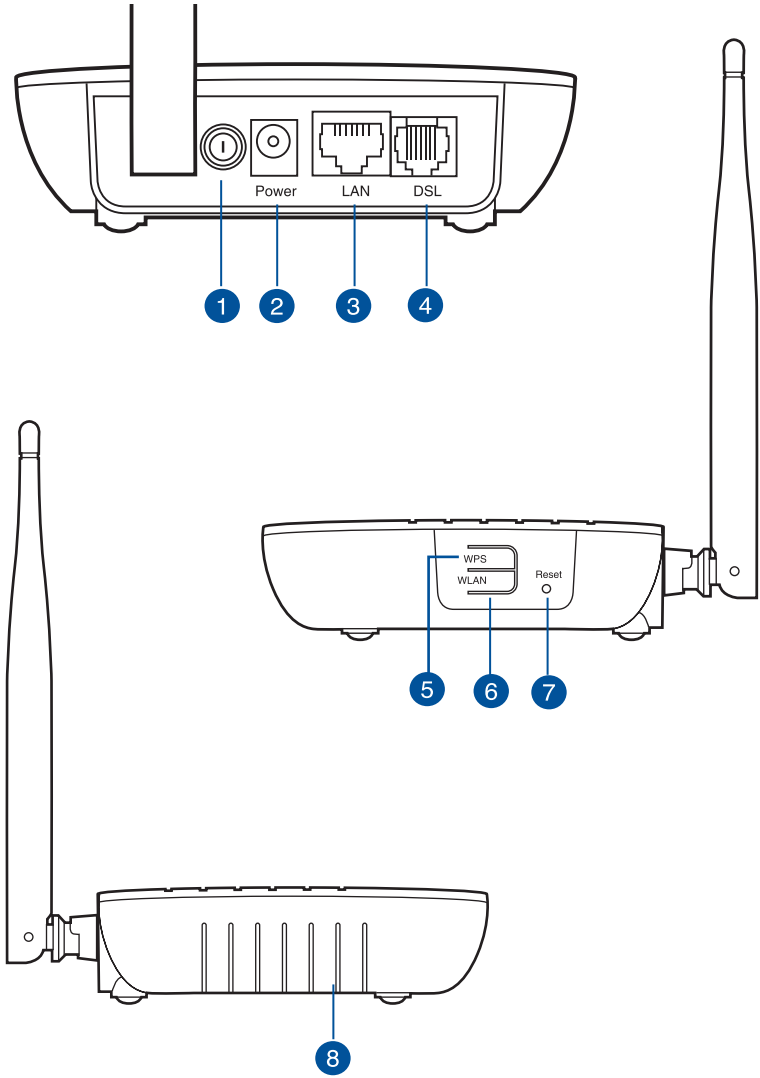
Status indicators

LED	Status	Indication
1	Off	No power
	On	Power on
2	Slow Flash	No signal detected
	Fast Flash	The device is synchronizing with the DSL device
	On	The device is connected to the DSL device.

Status indicators

LED	Status	Indication
3	Off	No connection or in bridge mode.
	Flashing	Internet data is transmitted in the routing mode.
	On	The Internet connection is normal in the routing mode and no Internet data is being transmitted.
4	Off	No power or no physical connection
	On	Has physical connection to an Ethernet network.
	Flashing	Transmitting or receiving data (through Ethernet cable)
5	Off	Inactive WLAN connection
	On	Active WLAN connection
	Flashing	Transmitting data through the WLAN interface
6	Off	Inactive WPS connection
	On	WPS connection is successful
	Flashing	WPS is active and the wireless router is waiting for the client to successfully connect to it.

Rear panel & Side panels



Item	Description
1	<p>Power switch Press this button to turn the power on/off.</p>
2	<p>Power (DC-In) port Insert the AC adapter into this port to connect your router to a power source.</p>
3	<p>LAN port Connect a RJ-45 Ethernet cable to this port to establish LAN connection.</p>
4	<p>ADSL port Connect an RJ-11 telephone cable to this port or a splitter connected from this port.</p>
5	<p>WPS button / Wi-Fi switch* WPS mode: Press this button for more than four seconds to enable the WPS function. Wi-Fi switch mode: Press this button to turn on/off the Wi-Fi function.</p> <ul style="list-style-type: none"> * • Wi-Fi switch function is only available in some countries or regions. • If you press the button for less than four seconds, the Wi-Fi function will not be enabled.
6	<p>WLAN button Press this button to enable or disable WLAN function.</p>
7	<p>Reset button Using a pointed blunt object, press this button for more than one second to reset the system to its factory default settings.</p>
8	<p>Air vents These vents provide ventilation to your router.</p>

Getting started 2

Setting up the wireless router

The ASUS Wireless Router includes a web graphical user interface (web GUI) that allows you to configure the wireless router using your web browser on your computer.

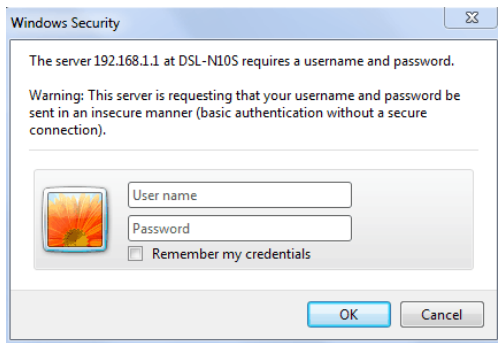


Note: For details on configuring your wireless router using the web GUI, refer to **Chapter 4: Configuring via the web GUI**.

Accessing the router's web GUI

To access the router's web GUI:

1. In your web browser, key in <http://192.168.1.1>.
2. Key in the user name and password. You may choose to log in as administrator (user name/password: admin) or as an ordinary user (user name/password: user/user).



Note: When you log in as the administrator, the Quick Internet Setup (QIS) Wizard is displayed. For details about the QIS Wizard, refer to the next section **Using the Quick Internet Setup (QIS)**.

Using the Quick Internet Setup (QIS)

The Quick Internet Setup (QIS) function guides you in quickly setting up your Internet connection.



Important: Obtain the necessary information about your Internet connection type from your ISP.

1. Click **Quick Start**.
2. In Step 1: **Quick Start - Password** page, set up your password and click **Next**.

Quick Start

The Wizard will guide you through these four quick steps. Begin by clicking on **NEXT**.

- Step 1. Set your new password
- Step 2. Choose your time zone
- Step 3. Set your Internet connection
- Step 4. Wireless network configuration
- Step 5. Save settings of this ADSL Router

Quick Start - Password

You may change the **admin** account password by entering in a new password. Click **NEXT** to continue.

New Password :

Confirmed Password :

3. In Step 2: **Quick Start - Time Zone** page, select the appropriate time for your location and click **Next**.

Quick Start - Time Zone

Select the appropriate time zone for your location and click **NEXT** to continue.

(GMT+07:00) Bangkok, Jakarta, Hanoi

4. In Step 3: **Quick Start - ISP Connection Type** page, select your Internet connection type, and click **Next**.

Quick Start - ISP Connection Type

Select the Internet connection type to connect to your ISP. Click **NEXT** to continue.

- Dynamic IP Address Choose this option to obtain a IP address automatically from your ISP.
- Static IP Address Choose this option to set static IP information provided to you by your ISP.
- PPPoE/PPPoA Choose this option if your ISP uses PPPoE/PPPoA. (For most DSL users)
- Bridge Mode Choose this option if your ISP uses Bridge Mode.

Quick Start - PPPoE/PPPoA

Enter the PPPoE/PPPoA information provided to you by your ISP. Click **NEXT** to continue.

Username:

Password:

VPI: (0~255)

VCI: (1~85535)

Connection Type: ▼

- In Step 4: **Quick Start - Wlan** page, set up the parameter for your WLAN network.

Quick Start - Wlan

You may enable/disable Wlan, change the Wlan SSID and Authentication type in this page.

Access Point : Activated Deactivated

SSID : ASUS

Broadcast SSID : Yes No

Authentication Type : Disabled ▼

BACK NEXT EXIT



Notes:

- Do not include quotation marks (" or ') in your SSID or use spaces at the start of your SSID.
- For WPA pre-shared key and WEP key settings, do not use quotation marks (" or '), angle brackets (>), square brackets (]) and spaces at the start of your key, and spaces at the start or two spaces between your key.

- In Step 5: **Quick Start Complete!!** page, click **Next** to save the configuration settings. Click **Back** to modify the settings. Click **Exit** to cancel the settings.

Quick Start Complete !!

The Setup Wizard has completed. Click on **BACK** to modify changes or mistakes. Click **NEXT** to save the current settings.

BACK NEXT EXIT

3 Configuring the network clients

Managing your network clients

To manage your network clients to your ASUS Wireless Router, you must have the correct parameters for wireless, LAN, and WAN connection types. Ensure that the clients' IP addresses are within the same subnet as the ASUS Wireless Router.

By default, the ASUS Wireless Router integrates the DHCP server function that automatically assigns the IP addresses to the clients in your network. You may also manually assign the static IP addresses to selected clients in your network.

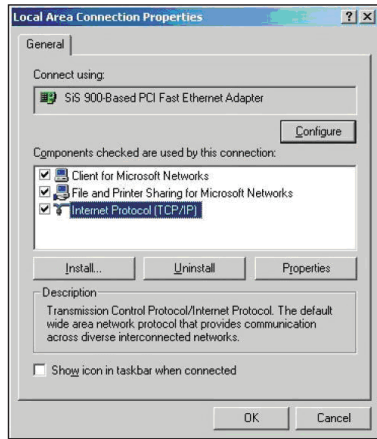


Note: ASUS recommends the following settings in establishing manually assigned IP addresses to your client in the Router mode:

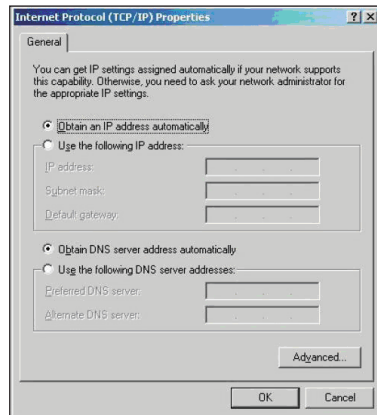
- **IP address:** 192.168.1.xxx (xxx can be any number between 2 and 254. Ensure that the IP address is not used by another device)
 - **Subnet Mask:** 255.255.255.0 (same as the ASUS Wireless Router)
 - **Gateway:** 192.168.1.1 (IP address of the ASUS Wireless Router)
 - **DNS:** 192.168.1.1 (ASUS Wireless Router) or assign a known DNS server in your network
-

Windows® 2000

1. Click **Start > Control Panel > Network and Dial-up Connection**. Right-click **Local Area Connection**, then click **Properties**.

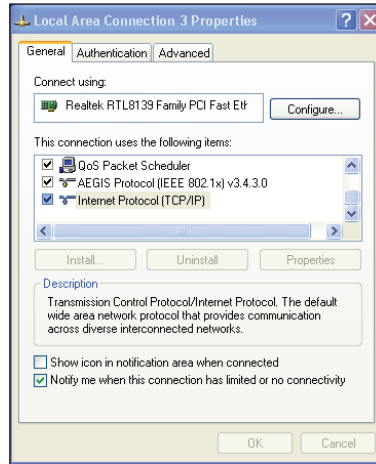


2. Select **Internet Protocol (TCP/IP)**, then click **Properties**.
3. Select **Obtain an IP address automatically** if you want the IP settings to be assigned automatically. Otherwise, select **Use the following IP address:** and key in **IP address**, **Subnet mask**, and **Default gateway**.
4. Select **Obtain DNS server address automatically** if you want the DNS server settings to be assigned automatically. Otherwise, select **Use the following DNS server addresses:** and key in the **Preferred and Alternate DNS server**.
5. Click **OK** when done.

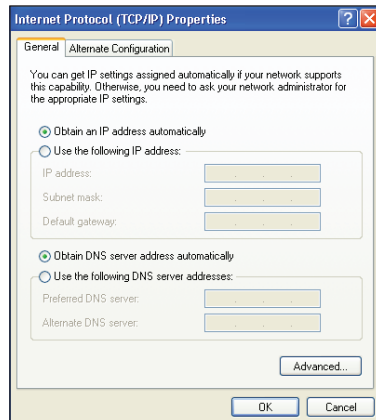


Windows® XP

1. Click **Start > Control Panel > Network Connection**. Right-click **Local Area Connection**, then select **Properties**.

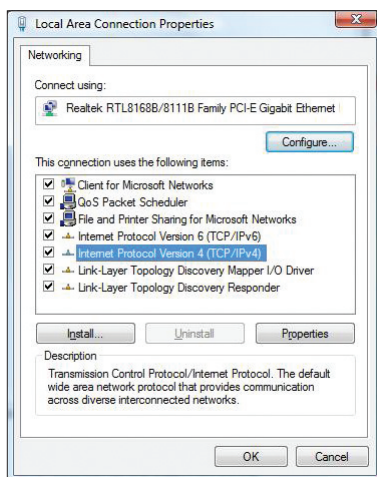


2. Select **Internet Protocol (TCP/IP)**, then click **Properties**.
3. Select **Obtain an IP address automatically** if you want the IP settings to be assigned automatically. Otherwise, select **Use the following IP address:** and key in **IP address**, **Subnet mask**, and **Default gateway**.
4. Select **Obtain DNS server address automatically** if you want the DNS server settings to be assigned automatically. Otherwise, select **Use the following DNS server addresses:** and key in the **Preferred and Alternate DNS server**.
5. Click **OK** when done.

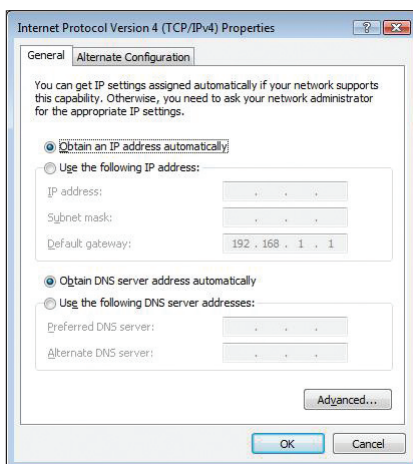


Windows® Vista/7

1. Click **Start > Control Panel > Network and Internet > Network and Sharing Center**. Click **View status > Properties > Continue**.



2. Select **Internet Protocol Version 4 (TCP/IPv4)**, then click **Properties**.
3. Select **Obtain an IP address automatically** if you want the IP settings to be assigned automatically. Otherwise, select **Use the following IP address:** and key in **IP address** and **Subnet mask**.
4. Select **Obtain DNS server address automatically** if you want the DNS server settings to be assigned automatically. Otherwise, select **Use the following DNS server addresses:** and key in the **Preferred and Alternate DNS server addresses:** and key in the **Preferred and Alternate DNS server**.
5. Click **OK** when done.



4 Configuring via the web GUI

Configuring the Interface Setup

The **Interface Setup** page allows you to configure the settings of these three network types: **Internet**, **LAN**, and **Wireless**.

Configuring the Internet settings

The Internet page allows you to configure your Internet settings.

The screenshot displays the ASUS ADSL Router web GUI. The top navigation bar includes 'ASUS' and 'ADSL Router'. The main menu has 'Interface' selected, with sub-tabs for 'Quick Start', 'Interface Setup', 'Advanced Setup', 'Access Management', 'Maintenance', and 'Status'. Under 'Interface Setup', there are sub-tabs for 'Internet', 'LAN', and 'Wireless'. The 'Internet' sub-tab is active, showing various configuration sections:

- ATM VC:** Virtual Circuit: PVC0 (with a 'PVCs Summary' button), Status: Activated / Deactivated, VPI: 0 (range: 0-255), VCI: 33 (range: 1-65535).
- QoS:** ATM CoS: UBR, PCR: 0 cells/second, SCR: 0 cells/second, MBS: 0 cells.
- IPv4/IPv6:** IP Version: IPv4 / IPv4/IPv6 / IPv6.
- Encapsulation:** ISP: Dynamic IP Address, Static IP Address, PPPoA/PPPoE, Bridge Mode.
- PPPoE/PPPoA:** Servicename: [text input], Username: [text input], Password: [text input], Encapsulation: PPPoE LLC, Bridge Interface: Activated / Deactivated.
- Connection Setting:** Connection: Always On (Recommended), Connect On-Demand (Close if idle for 0 minutes), Connect Manually, TCP MSS Option: TCP MSS(0 default) 0 bytes.
- IP Common Options:** Default Route: Yes / No.
- IPv4 Address:** Get IP Address: Static / Dynamic, Static IP Address: [text input], IP Subnet Mask: [text input], Gateway: [text input], TCP MTU Option: TCP MTU(0 default) 1492 bytes, NAT: Enable, Dynamic Route: RIP1, Direction: None, Multicast: Disabled.

A 'SAVE' button is located at the bottom of the configuration page.

To configure the Internet settings:

1. Click **Interface Setup > Internet** tab.
2. In the **AMT VC** dropdown list, select the virtual circuit, and key in the virtual path values for the asynchronous transfer mode ranging from 0 to 255 in the **VPI** field, and the VCI values ranging from 1 to 65535.
3. In the **IPv4/IPv6** field, select **IPv4**, **IPv4/IPv6** or **IPv6**.
4. In the **Encapsulation** item, select **Dynamic IP Address**, **Static IP address**, **PPPoA/PPPoE** or **Bridge Mode**.

To configure the PPP settings:

1. In the **User Name** and **Password** fields, key in the user name and password provided by your ISP.
2. In the **Connection Settings** list, you can select **Always On (Recommended)**, **Connect on Demand**, or **Connect Manually**. If you select **Connect on Demand** type, key in the time of inactivity (in minutes) when the Internet connection is automatically disconnected.
3. Click **SAVE** to apply the settings made.

Configuring the local area network (LAN) settings

The LAN page allows you to configure your local area network (LAN) settings.

Configuring the LAN settings

The LAN page allows you to configure the interface of your local area network.

The screenshot shows the ASUS ADSL Router web GUI. The top navigation bar includes 'Quick Start', 'Interface Setup', 'Advanced Setup', 'Access Management', 'Maintenance', and 'Status'. The 'Interface Setup' tab is active, and the 'LAN' sub-tab is selected. The main content area is divided into several sections:

- Router Local IP:** IP Address: 192.168.1.1, IP Subnet Mask: 255.255.255.0, Dynamic Route: RIP2-B, Direction: None, Multicast: Disabled, IGMP Snoop: Disabled, MidSnoop: Disabled.
- DHCP:** DHCP: Disabled, Enabled, Relay.
- DHCP Server:** Starting IP Address: 192.168.1.2, IP Pool Count: 29, Lease Time: 259200 seconds, Physical Ports: 1.
- DNS:** DNS Relay: Use Auto Discovered DNS Server Only, Primary DNS Server: 8.8.8.8, Secondary DNS Server: 8.8.4.4.
- Radvd:** Radvd Enable: Disable, Enable.
- DHCPv6:** DHCPv6 Server: Disable, Enable.

At the bottom, there are 'SAVE' and 'CANCEL' buttons.

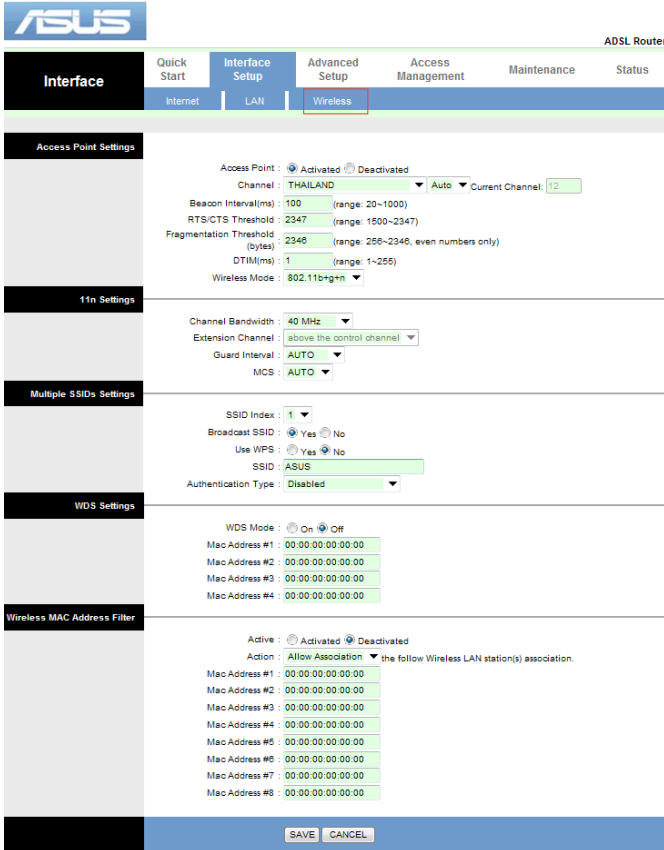
To configure the LAN settings:

1. Click **Interface Setup > LAN** tab. In the Router Local IP field, key in the **IP Address** and **IP Subnet Mask**.
2. In the **DHCP** options, select **Disabled**, **Enabled**, or **Relay**.
3. Key in the **Starting IP Address**, **IP Pool Count** and **Lease Time**. Select a DNS Relay mode from the dropdown list.
4. Click **SAVE** to apply the settings made or **CANCEL** to discard changes.

Configuring the wireless network settings

The Wireless page allows you to configure the wireless settings.

Configuring the basic wireless network settings



To configure the wireless settings:

1. Click **Interface Setup > Wireless** tab.
2. In the **Access Point Settings**, select **Activated** or **Deactivated** to enable or disable the access point.
3. Key in the necessary parameters for Access Point and select the wireless mode.
4. In the **11n Settings** field, select from the dropdown list the channel bandwidth to accommodate higher transmission speeds.
5. In the **Multiple SSIDs Settings** field, tick **Yes** or **No** to enable/disable broadcast SSID or WPS, then key in the SSID you want to use. Assign a

unique name containing up to 32 characters for your SSID (Service Set Identifier) or network name to identify your wireless network. Wi-Fi devices can identify and connect to the wireless network via your assigned SSID. The SSIDs on the information banner are updated once new SSIDs are saved to the settings. Select the Authentication type.

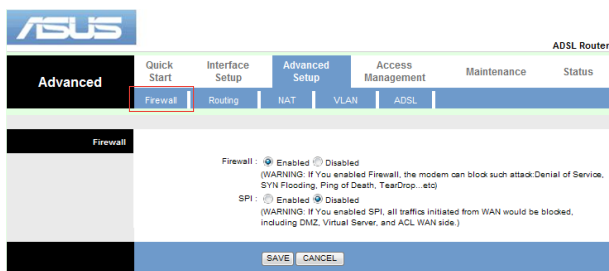
6. In **WDS Settings** field, tick **On** or **Off** to enable or disable the WDS (Wireless Distribution System).
7. In **MAC Address Filter** field, click **Activated** or **Deactivated** to enable or disable the MAC address filter function. Select **Allow Association** or **Deny Association** from the dropdown list to allow or block access to the wireless network for those network clients whose MAC addresses are on the list.
8. Click **SAVE** to apply the settings made or **CANCEL** to discard changes.

Configuring the Advanced Setup

The **Advanced Setup** page allows you to configure the following advanced settings: **Firewall**, **routing**, **NAT**, **VLAN** and **ADSL**.

Configure the firewall settings

The Firewall page allows you to enable or disable the firewall and SPI functions.



Configuring the routing settings

The Routing page displays the devices on the routing list and allows you to configure the routing settings.

Configuring the routing settings

If your network makes use of more than one wireless router, you can configure a routing table to share the same Internet service.



Note: We recommend that you do not change the default route settings unless you have advanced knowledge of routing tables.

The screenshot shows the ASUS ADSL Router web interface. The top navigation bar includes 'ASUS' and 'ADSL Router'. The main menu has 'Advanced' selected, with sub-menus for 'Quick Start', 'Interface Setup', 'Advanced Setup', 'Access Management', 'Maintenance', and 'Status'. Under 'Advanced Setup', 'Routing' is highlighted. Below this is the 'Routing Table List' section, which contains a table with the following data:

#	Dest IP	Mask	Gateway IP	Metric	Device	Use	Edit	Drop
1	192.168.1.0	24	192.168.1.1	1	enet0	31288		
2	default	0	Node1	2	Idle	19937		

Below the table is an 'ADD ROUTE' button.

If you want to add a device on the list, click **ADD ROUTE**. The following screen appears. Key in the necessary parameter for the new device and click **SAVE** when finish.

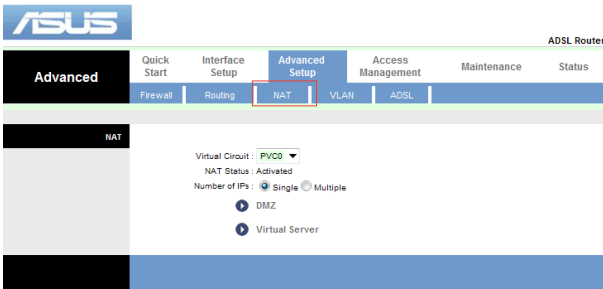
The screenshot shows the 'Static Route' configuration page in the ASUS ADSL Router web interface. The top navigation bar is the same as in the previous screenshot. The 'Static Route' section contains the following fields:

- Destination IP Address: 0.0.0.0
- IP Subnet Mask: 0.0.0.0
- Gateway IP Address: 0.0.0.0 (with a dropdown menu set to 'PVC0')
- Metric: 0
- Announced in RIP: Yes (with a dropdown menu)

At the bottom of the page are buttons for 'SAVE', 'DELETE', 'BACK', and 'CANCEL'.

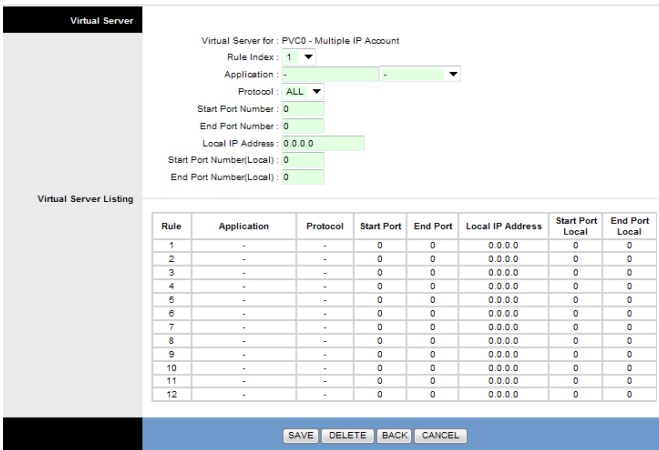
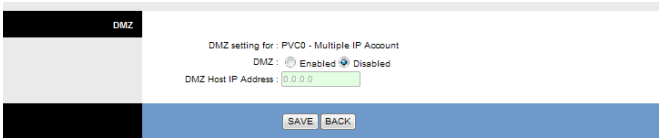
Configure the NAT settings

NAT (Network Address Translation) allows a Virtual Private Network (VPN) connection to pass through the router to the network clients.



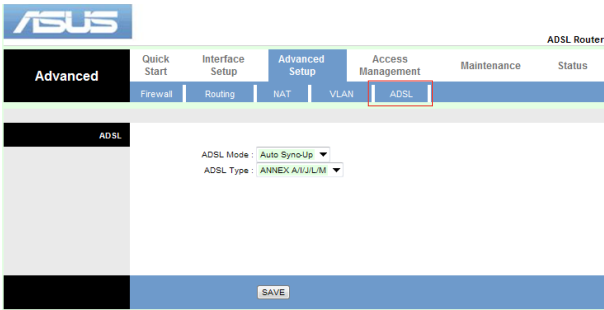
To configure the NAT settings:

1. Go to **Advanced Setup > NAT**.
2. Select the **Virtual Circuit** and **Number of IPs**.
3. Enter **DMZ** and **Virtual Servers** settings.
4. Click **Save**.



Configure the ADSL settings

This page allows you to configure the ADSL settings. Select the ADSL mode and ADSL type, click **SAVE** when done.



Configuring the Access Management

The **Advanced Setup** page allows you to configure the following advanced settings: **ACL**, **Filter**, **SNMP**, **UPnP**, and **DDNS**.

Configuring the ACL

The ACL (Access Control List) configuration page allows you to specify the services that are accessible from LAN or WAN side.

ASUS ADSL Router

Access Management

Quick Start | Interface Setup | Advanced Setup | Access Management | Maintenance | Status

ACL | Filter | SNMP | UPnP | DDNS

Access Control Setup

ACL: Activated Deactivated

Access Control Editing

ACL Rule Index: 1

Active: Yes No

Secure IP Address: 0.0.0.0 ~ 0.0.0.0 (0.0.0.0 ~ 0.0.0.0 means all IPs)

Application: Web

Interface: LAN

Access Control Listing

Index	Active	Secure IP Address	Application	Interface
1	Yes	0.0.0.0-0.0.0.0	Web	LAN
2	Yes	0.0.0.0-0.0.0.0	Telnet	LAN
3	Yes	0.0.0.0-0.0.0.0	FTP	LAN
4	Yes	0.0.0.0-0.0.0.0	SNMP	LAN
5	Yes	0.0.0.0-0.0.0.0	Ping	Both

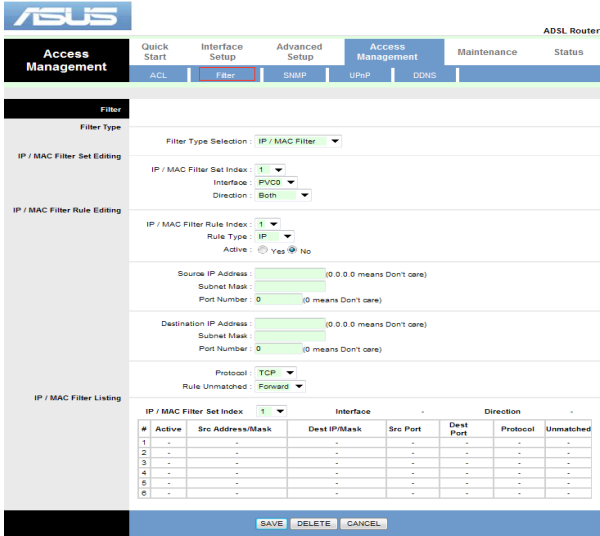
SAVE | DELETE | CANCEL

To configure the ACL settings:

1. Click **Access Management > ACL** tab.
2. In **ACL**, tick **Activated** to enable ACL management.
3. In the **IP Address** fields, key in the desired IP to add.
4. Click **Save**.

Configure the Filter settings

The Filter page allows you to restrict certain types of outgoing or incoming data packets from or to the network clients based on their MAC addresses.

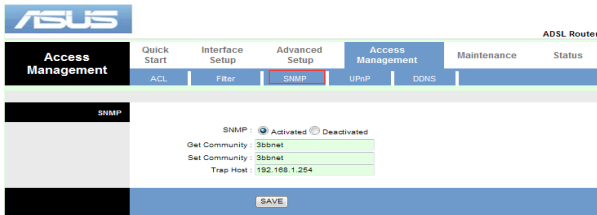


To configure the Filter settings:

1. Click **Access Management > Filter** tab.
2. Select the **Filter Type Selection**.
3. In the **Direction**, select **Outgoing, Incoming, or Both**.
4. In the **Source IP address** field, key in the IP address of the network client whose incoming packets you want to restrict.
5. In the **Destination IP address** field, key in the IP address of the network client whose outgoing packets you want to restrict.
6. Click **Save** to add the IP filter settings to the **IP/MAC Filter Listing**.

Configure the SNMP settings

This page allows you to configure the SNMP (Simple Network Management Protocol) settings.

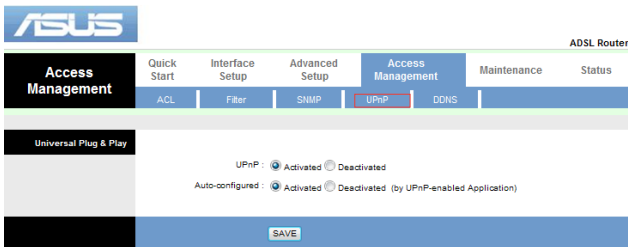


To configure the SNMP settings:

1. Click **Access Management > SNMP** tab.
2. Tick **Activated** to enable SNMP.
3. Key in the trap host.
4. Click **Save** when done.

Configuring the UPnP settings

The UPnP (Universal Plug and Play) Configuration page allows you to access the media of the UPnP devices found in your network.

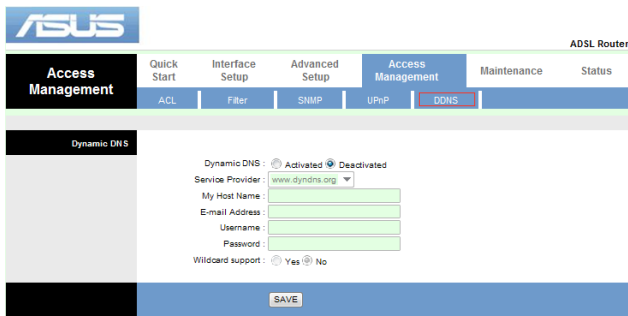


To configure the UPnP settings:

1. Click **Access Management > UPnP** tab.
2. In the **UPnP** field, tick **Activated** to enable UPnP connection.
3. In the **Auto-configured** field, tick **Activated** to enable auto-configuration.
4. Click **Save** to save the settings.

Configuring the DDNS settings

Setting up DDNS (Dynamic DNS) allows you to access the router from outside your network through the provided ASUS DDNS Service or another DDNS service.



To configure the DDNS settings:

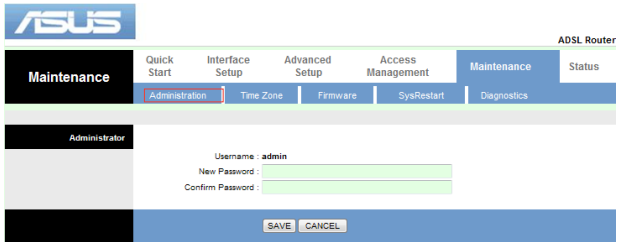
1. Click **Access Management** > **DDNS** tab.
2. In the **Dynamic DNS** field, tick **Activated** to enable DDNS connection.
3. Configure the following settings below. When done, click **Save**.
 - **My Host Name:** Key in the Host Name in the format of xxx.asuscomm.com (xxx is your host name).
 - If you want to use a different DDNS service, fill in the User Name or E-mail Address and Password.

Configuring the Maintenance settings

The **Maintenance** page allows you to restore the wireless router to its default or to its saved configuration settings, upgrade the firmware, view the system logs and diagnostics.

Configuring the Administrator settings

The Administrator page allows you to modify the password.



To modify a password:

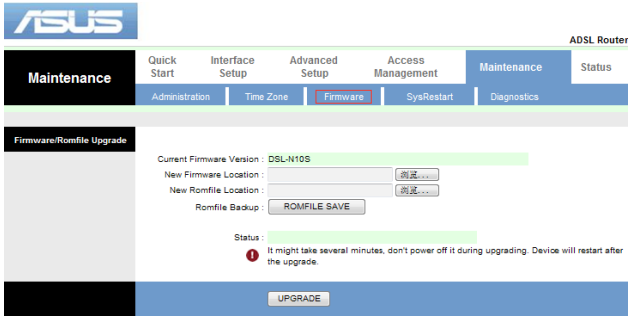
1. Click **Maintenance > Administration** tab.
2. Key in your password to the **New Password** and **Confirm Password** fields.
3. Click **Save** to modify the selected user account.

Upgrading the firmware

The Firmware page allows you to upgrade the wireless router's firmware version.



NOTE: Download the latest firmware from the ASUS Support site at <http://support.asus.com>.

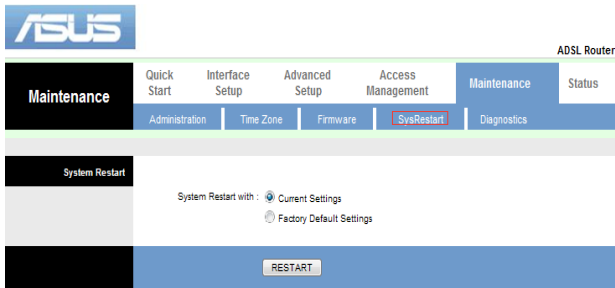


To upgrade the firmware:

1. Click **Maintenance > Administration** tab.
2. In the **New Firmware Location** field, click **Browse** to locate the new firmware file on your computer.
3. Click **Upgrade**. Wait for a few minutes for the uploading process to complete.

Restoring the wireless router settings

The SysRestart page allows you to restore the wireless router to its default settings or to a previously saved configuration settings.

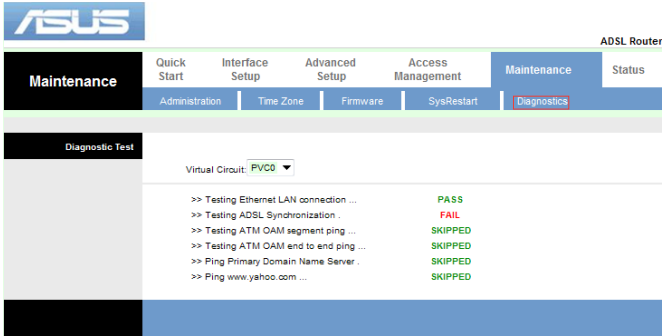


To configure the SysRestart settings:

1. Click **Maintenance > SysRestart** tab.
2. Select **Current Settings** or **Factory Default Settings**.
3. Click **Restart** to load the selected configuration and reboot the router's system.

Diagnostics

The Diagnostics page allows you to detect and view problems with your network.



Status

The Status page allows you to view the current status of your wireless router, the connection status, and the system logs.

Checking your device information and basic settings

Go to **Status > Device Info** tab to view these information:

- **LAN**

The **LAN** field displays some basic LAN settings of the wireless router, the LAN IP address, Subnet mask and DHCP server status.

- **WAN**

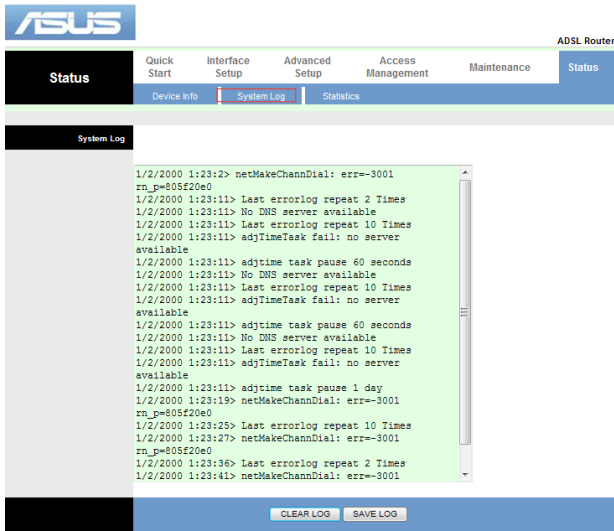
The **WAN** field displays the basic status of WAN and DNS server of the router.

- **ADSL**

The **ADSL** field shows the status of ADSL line, upstream rate, downstream rate, and other information.

Viewing the System Log

The System Log page allows you to view the system logs.



To configure the system log:

1. Click **Status > System Log** tab.
2. Click **Save Log** to save a copy of logs information to your local drive.
3. Click **Clear Log** to clear the system logs from the table.

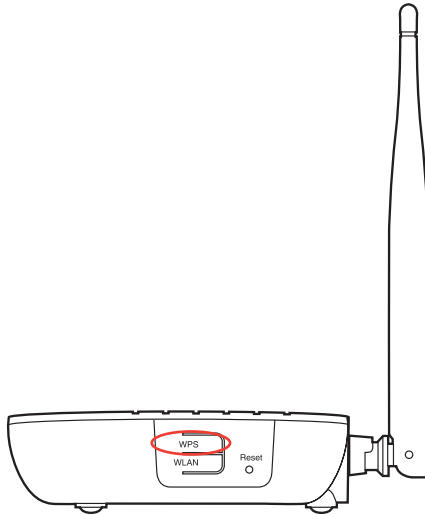
Setting up the Wi-Fi Protected Setup (WPS)

WPS (Wi-Fi Protected Setup) allows you to set up a secure and protected wireless network easily.



Note: Ensure that you use a wireless LAN adapter with WPS function.

To enable the WPS function, press the WPS button on your router for more than four seconds.



Troubleshooting

5

Troubleshooting

This troubleshooting guide provides solutions to some common problems that you may encounter while installing or using the ASUS Wireless Router. These problems require simple troubleshooting that you can perform by yourself. Contact the ASUS Technical Support if you encounter problems not mentioned in this chapter.

Problem	Action
The client cannot establish a wireless connection with the router.	<p>Out of Range:</p> <ul style="list-style-type: none">• Put the router closer to the wireless client.• Try to change the channel settings. <p>Authentication:</p> <ul style="list-style-type: none">• Use wired connection to connect to the router.• Check the wireless security settings. <p>Cannot find the router:</p> <ul style="list-style-type: none">• Insert a pointed blunt object in the Reset hole at the right side for more than five seconds.• Check the setting in the wireless adapter such as SSID and encryption settings.
Cannot access the Internet via wireless LAN adapter.	<ul style="list-style-type: none">• Move the router closer to the wireless client.• Ensure that the wireless adapter is connected to the correct wireless router.• Ensure that the wireless channel in use conforms to the channels available in your country/area.• Check the encryption settings.• Ensure that the ADSL or Cable connection is correct.• Retry using another Ethernet cable.

Problem	Action
Internet is not accessible.	<ul style="list-style-type: none"> • Check the status indicators on the ADSL modem and the wireless router. • Ensure that the WAN LED on the wireless router is ON. If the LED is not ON, change the cable and try again.
When ADSL Modem “Link” light is ON (not blinking), this means Internet Access is possible.	<ul style="list-style-type: none"> • Restart your computer. • Refer to the Quick Start Guide of the wireless router and re-configure the settings. • Check if the WAN LED on the wireless router is ON. • Check the wireless encryption settings. • Check if the computer can get the IP address (via both wired network and wireless network). • Ensure that your web browser is configured to use the local LAN, and is not configured to use a proxy server.
If the ADSL “LINK” light blinks continuously or stays off, Internet access is not possible - the Router is unable to establish a connection with the ADSL network.	<ul style="list-style-type: none"> • Ensure that all your cables are all properly connected . • Disconnect the power cord from the ADSL or cable modem, wait a few minutes, then reconnect the cord. • If the ADSL light continues to blink or stays OFF, contact your Internet service provider.
Network name or encryption keys are forgotten.	<ul style="list-style-type: none"> • Try setting up the wired connection and configuring the wireless encryption again. • Insert a pointed blunt object in the Reset hole at the right side of the wireless router for more than five seconds.

Problem	Action
<p>How to restore the system to its default settings?</p>	<ul style="list-style-type: none"> • Insert a pointed blunt object in the Reset hole at the right side of the wireless router for more than five seconds. • Refer to the section Restoring the wireless router settings in Chapter 4 of this user manual. <p>The following are the factory default settings:</p> <p>User Name: admin Password: admin Enable DHCP: Yes (if WAN cable is plugged in) IP address: 192.168.1.1 Domain Name: (Blank) Subnet Mask: 255.255.255.0 DNS Server 1: 192.168.1.1 DNS Server 2: (Blank) SSID: ASUS</p>

Appendices

Notices

For the following equipment: DSL-N10S

ASUS Recycling/Takeback Services

ASUS recycling and takeback programs come from our commitment to the highest standards for protecting our environment. We believe in providing solutions for you to be able to responsibly recycle our products, batteries, other components, as well as the packaging materials. Please go to <http://csr.asus.com/english/Takeback.htm> for the detailed recycling information in different regions.

REACH

Complying with the REACH (Registration, Evaluation, Authorisation, and Restriction of Chemicals) regulatory framework, we published the chemical substances in our products at ASUS REACH website at <http://csr.asus.com/english/REACH.htm>

Federal Communications Commission Statement

This device complies with Part 15 of the FCC Rules. Operation is subject to the following two conditions:

- This device may not cause harmful interference.
- This device must accept any interference received, including interference that may cause undesired operation.

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.



Warning: Any changes or modifications not expressly approved by the party responsible for compliance could void the user's authority to operate the equipment.

Prohibition of Co-location

This device and its antenna(s) must not be co-located or operating in conjunction with any other antenna or transmitter.

Safety Information

To maintain compliance with FCC's RF exposure guidelines, this equipment should be installed and operated with minimum distance 20cm between the radiator and your body. Use on the supplied antenna.

Declaration of Conformity for R&TTE directive 1999/5/EC

Essential requirements – Article 3

Protection requirements for health and safety – Article 3.1a

Testing for electric safety according to EN 60950-1 has been conducted. These are considered relevant and sufficient.

Protection requirements for electromagnetic compatibility – Article 3.1b

Testing for electromagnetic compatibility according to EN 301 489-1 and EN 301 489-17 has been conducted. These are considered relevant and sufficient.

Effective use of the radio spectrum – Article 3.2

Testing for radio test suites according to EN 300 328- 2 has been conducted. These are considered relevant and sufficient.

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.

Operation Channels: Ch1~11 for N. America, Ch1~14 Japan, Ch1~13 Europe (ETSI)

IC Warning

The Class B digital apparatus meets all requirements of the Canadian Interference-Causing Equipment Regulation.

Cet appareil numérique de la class B respecte toutes les exigences du Reglement sur le materiel brouilleur du Canada.

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Version 2, June 1991

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Safety Warning

SAFE TEMP: This wireless router should be only used in environments with ambient temperatures between 5°C(41°F) and 40°C(104°F).

DO NOT expose to or use near liquids, rain, or moisture. DO NOT use the modem during electrical storms.

For Turkey only

Authorised distributors in Turkey:

BOGAZICI BIL GISAYAR SAN. VE TIC. A.S.

Tel. No.: +90 212 3311000

Address: AYAZAGA MAH. KEMERBURGAZ CAD. NO.10
AYAZAGA/ISTANBUL

CIZGI Elektronik San. Tic. Ltd. Sti.

Tel. No.: +90 212 3567070

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Telephone Austria
(System/Notebook/Eee/LCD) +43-820-240513
Support Fax +49-2102-959911
Online support support.asus.com

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Region	Country	Hotline Number	Service Hours	
Europe	Cyprus	800-92491	09:00-13:00 ; 14:00-18:00 Mon-Fri	
	France	0033-170949400	09:00-18:00 Mon-Fri	
	Germany	0049-1805010920		
		0049-1805010923 (component support)		09:00-18:00 Mon-Fri 10:00-17:00 Mon-Fri
		0049-2102959911 (Fax)		
	Hungary	0036-15054561	09:00-17:30 Mon-Fri	
	Italy	199-400089	09:00-13:00 ; 14:00-18:00 Mon-Fri	
	Greece	00800-44142044	09:00-13:00 ; 14:00-18:00 Mon-Fri	
	Austria	0043-820240513	09:00-18:00 Mon-Fri	
	Netherlands/ Luxembourg	0031-591570290	09:00-17:00 Mon-Fri	
	Belgium	0032-78150231	09:00-17:00 Mon-Fri	
	Norway	0047-2316-2682	09:00-18:00 Mon-Fri	
	Sweden	0046-858769407	09:00-18:00 Mon-Fri	
	Finland	00358-969379690	10:00-19:00 Mon-Fri	
	Denmark	0045-38322943	09:00-18:00 Mon-Fri	
	Poland	0048-225718040	08:30-17:30 Mon-Fri	
	Spain	0034-902889688	09:00-18:00 Mon-Fri	
	Portugal	00351-707500310	09:00-18:00 Mon-Fri	
	Slovak Republic	00421-232162621	08:00-17:00 Mon-Fri	
	Czech Republic	00420-596766888	08:00-17:00 Mon-Fri	
	Switzerland-German	0041-848111010	09:00-18:00 Mon-Fri	
	Switzerland-French	0041-848111014	09:00-18:00 Mon-Fri	
	Switzerland-Italian	0041-848111012	09:00-18:00 Mon-Fri	
	United Kingdom	0044-8448008340	09:00-17:00 Mon-Fri	
	Ireland	0035-31890719918	09:00-17:00 Mon-Fri	
	Russia and CIS	008-800-100-ASUS	09:00-18:00 Mon-Fri	
Ukraine	0038-0445457727	09:00-18:00 Mon-Fri		

Networks Global Hotline Information

Region	Country	Hotline Numbers	Service Hours
Asia-Pacific	Australia	1300-278788	09:00-18:00 Mon-Fri
	New Zealand	0800-278788	09:00-18:00 Mon-Fri
	Japan	0800-1232787 0081-473905630 (Non-Toll Free)	09:00-18:00 Mon-Fri
			09:00-17:00 Sat-Sun
			09:00-18:00 Mon-Fri 09:00-17:00 Sat-Sun
	Korea	0082-215666868	09:30-17:00 Mon-Fri
	Thailand	0066-24011717 1800-8525201	09:00-18:00 Mon-Fri
	Singapore	0065-64157917 0065-67203835 (Repair Status Only)	11:00-19:00 Mon-Fri
			11:00-19:00 Mon-Fri
			11:00-13:00 Sat
	Malaysia	0060-320535077	10:00-19:00 Mon-Fri
	Philippine	1800-18550163	09:00-18:00 Mon-Fri
	India	1800-2090365	09:00-18:00 Mon-Sat
			09:00-21:00 Mon-Sun
Indonesia	0062-2129495000 500128 (Local Only)	09:30-17:00 Mon-Fri	
		9:30 – 12:00 Sat	
Vietnam	1900-555581	08:00-12:00	
		13:30-17:30 Mon-Sat	
Hong Kong	00852-35824770	10:00-19:00 Mon-Sat	
Americas	USA	1-812-282-2787	8:30-12:00 EST Mon-Fri
	Canada		9:00-18:00 EST Sat-Sun
	Mexico	001-8008367847	08:00-20:00 CST Mon-Fri
08:00-15:00 CST Sat			

Networks Global Hotline Information

Region	Country	Hotline Numbers	Service Hours
Middle East + Africa	Egypt	800-2787349	09:00-18:00 Sun-Thu
	Saudi Arabia	800-1212787	09:00-18:00 Sat-Wed
	UAE	00971-42958941	09:00-18:00 Sun-Thu
	Turkey	0090-2165243000	09:00-18:00 Mon-Fri
	South Africa	0861-278772	08:00-17:00 Mon-Fri
	Israel	*6557/00972-39142800	08:00-17:00 Sun-Thu
		*9770/00972-35598555	08:30-17:30 Sun-Thu
Balkan Countries	Romania	0040-213301786	09:00-18:30 Mon-Fri
	Bosnia Herzegovina	00387-33773163	09:00-17:00 Mon-Fri
		Bulgaria	00359-70014411
	Croatia	00359-29889170	09:30-18:00 Mon-Fri
		00385-16401111	09:00-17:00 Mon-Fri
	Montenegro	00382-20608251	09:00-17:00 Mon-Fri
	Serbia	00381-112070677	09:00-17:00 Mon-Fri
		Slovenia	00368-59045400
	00368-59045401		
	Estonia	00372-6671796	09:00-18:00 Mon-Fri
	Latvia	00371-67408838	09:00-18:00 Mon-Fri
	Lithuania-Kaunas	00370-37329000	09:00-18:00 Mon-Fri
	Lithuania-Vilnius	00370-522101160	09:00-18:00 Mon-Fri



NOTE: For more information, visit the ASUS support site at:
<http://support.asus.com>

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