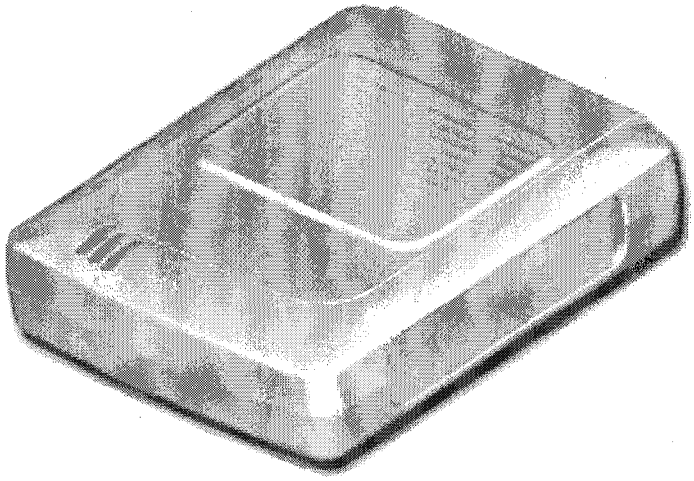
Unlimited Wireless Access Point
WL-330



Quick Setup Guide

System Requirements

To begin using the ASUS WL-330, you must have the following minimum requirements:

- An Ethernet (10Base-T or 10/100Base-TX) adapter for wired client
- At least one 802.11b (11Mbps) wireless adapter for wireless mobile clients
- TCP/IP and an Internet browser installed

Note: The ASUS WL-330 only supports 10Base-T, therefore it cannot be connected to pure 100Base-TX networks. The network must be either 10-Base or 10/100Base-TX.

ASUS WL-330 AP Status Indicators

There are three LEDs on the top of the ASUS WL-330, as shown here.

Power LED

OFF:	No power or performing boot sequence
ON:	System ready
Blinking:	Firmware upgrade failed

Wireless LED

OFF:	No power
ON:	Wireless function ready
Blinking:	Transmitting or receiving data (wireless)

Ethernet LED

OFF:	No power
ON:	Has physical connection to an Ethernet network
Blinking:	Transmitting or receiving data (through Ethernet wire)

Power Requirements

The ASUS WL-330 AP requires power from an external power supply. The ASUS WL-330 AP ships with a UL listed, Class 2 power supply (5V, 1A) and a USB port adapter for USB power.

Installation

This chapter describes the installation procedure for the ASUS WL-330 AP and includes a description of the LEDs found on the unit.

Installation Procedure

Follow these steps to install the ASUS WL-330.

1. Determine the best location for the ASUS WL-330. Keep in mind the following considerations:
   - The length of the Ethernet cable that connects the Access Point to the network must not exceed 100 meters.
   - For standard placement, try to place the Access Point on a flat, stable surface as far from the ground as possible, such as on top of a desk or bookcase, keeping clear of metal obstructions and away from direct sunlight.
   - For external antenna mounting, install the external antennas so that they are clear of obstructions; refer to the documentation that came with the antennas for mounting and installation instructions.
   - Try to centrally locate the Access Point so that it will provide coverage to all wireless mobile devices in the area.
   - Use only the power supply that came with this unit. Other power supplies may fit but the voltage and power may not be compatible.

Note: It is the responsibility of the user to guarantee that this device is operated at least 20 centimeters from any person. This is necessary to insure that the product is operated in accordance with the RF Guidelines for Human Exposure which have been adopted by the Federal Communications Commission.

2. Place the Access Point in the desired location. Wall mounting is also possible for the Access Point. Refer to the section entitled "Wall Mounting Option" on the next page for details.
3. Attach one end of an RJ-45 Ethernet cable to the Access Point and attach the other end to the RJ-45 10Base-T port of a network hub, switch, router, or patch panel (possibly on a wall).

Note: The ASUS WL-330 does not support 100Base-TX. It only supports 10Base-T. Hubs or switches that supports both 10Base-T and 100Base-TX may be used.

4. Attach one end of the AC power adapter, included in the product package, to the back of the ASUS WL-330 and the other end to a power outlet.

Note: Use the Access Point only with the power adapter supplied in the product package. Using another power supply may damage the Access Point.

The Power LED on the front of the Access Point will light up when the unit is powered ON. In addition, the Link LED will turn ON to indicate that the Access Point has a physical Ethernet network connection.

Wall Mounting Option

Out of the box, the ASUS WL-330 is designed to sit on a raised flat surface like a file cabinet or book shelf. The unit may also be converted for mounting to a wall or ceiling.

Follow these steps to mount the Access Point to a wall:

1. Remove the base by pressing the tab and sliding the base.
2. Remove the side cover to expose the mounting hooks.
3. Locate the screws provided with the Access Point.
4. Mark two holes in a flat surface using the provided hole template.
5. Tighten the two provided screws until only 1/4" is showing.
6. Latch the Access Point onto the two screws.

Note: Readjust the screws if you cannot latch the Access Point onto the screws or if it is too loose.

Configuring the ASUS WL-330 AP

The ASUS WL-330 can be configured to meet various usage scenarios. Some of the factory default settings may suit your usage; however, others may need changing. Prior to using the ASUS WL-330, you must check the basic settings to guarantee it will work in your environment.

Configuring the ASUS WL-330 is done through a web browser. You need a Notebook PC or desktop PC connected to the ASUS WL-330 (either directly or through a hub) and running a web browser as a configuration terminal. The connection can be wired or wireless. For the wireless connection, you need an IEEE 802.11b compatible device, e.g. ASUS WLAN Card, installed in your Notebook PC. You should also disable WEP and set the SSID to "default" for your wireless LAN device.

If you want to configure the ASUS WL-330 or want to access the Internet through the ASUS WL-330, TCP/IP settings must be correct. Normally, the TCP/IP setting should be on the IP subnet of the ASUS WL-330.

Note: Changing TCP/IP settings may require rebooting your PC. When rebooting, the ASUS WL-330 should be switched ON and in the ready state.

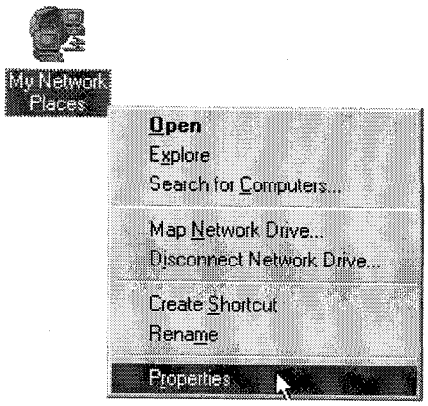
Advanced IP Settings

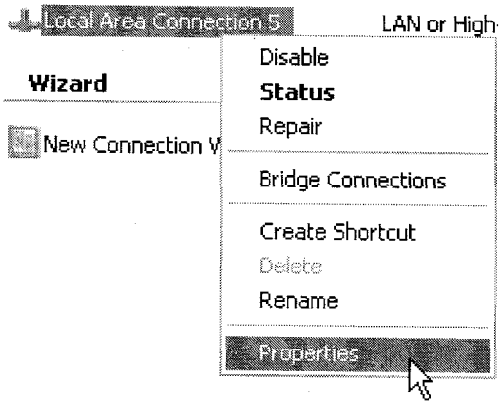
If you want to set your IP address manually, the following default settings of the ASUS WL-330 should be known:

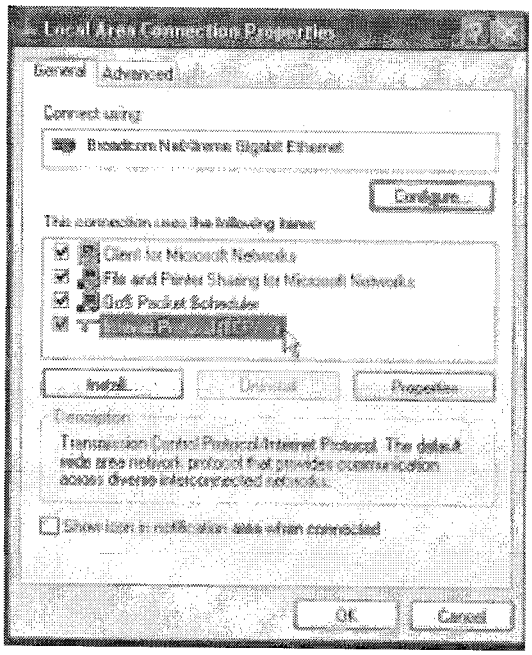
- IP address 192.168.1.1
- Subnet Mask 255.255.255.0.

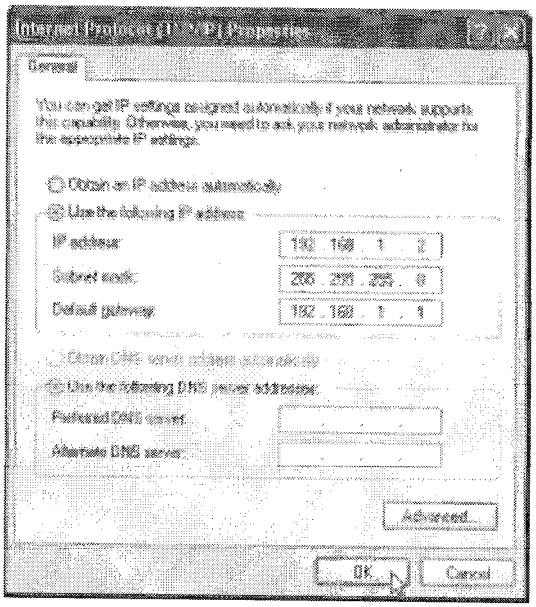
If you set your computer's IP manually, it needs to be on the same segment. For example:

- IP address 192.168.1.xxx (xxx can be any number between 2 and 254 that is not used by another device)
- Subnet Mask 255.255.255.0 (same as the ASUS WL-330)
- Gateway 192.168.1.1 (this is the ASUS WL-330 IP address)
- DNS 192.168.1.1 (ASUS WL-330 IP address or your own).



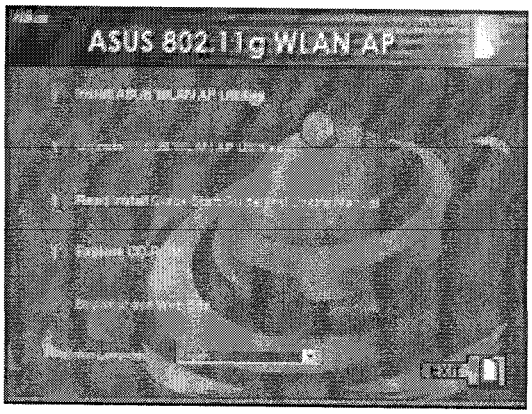




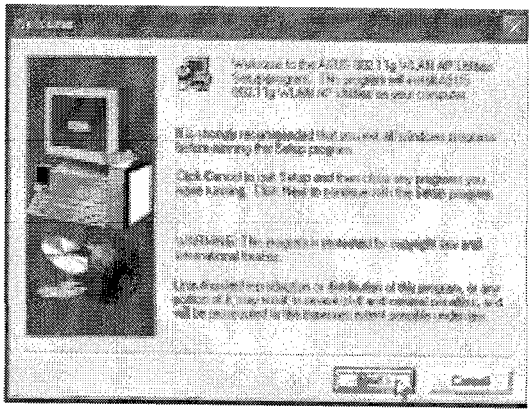


Installing the ASUS WLAN Utilities

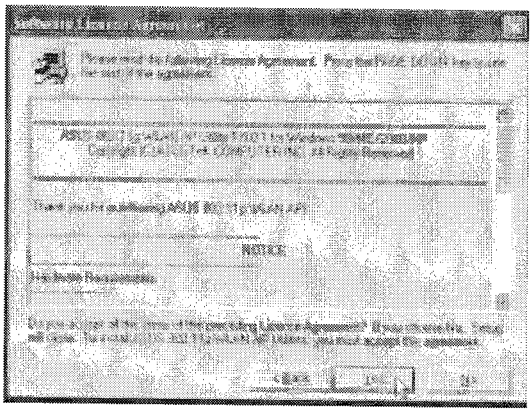
Follow these steps to install the ASUS WLAN Utilities in Microsoft Windows. Insert the support CD. Double-click **setup.exe** (in the root of the support CD) if your autorun has been disabled.



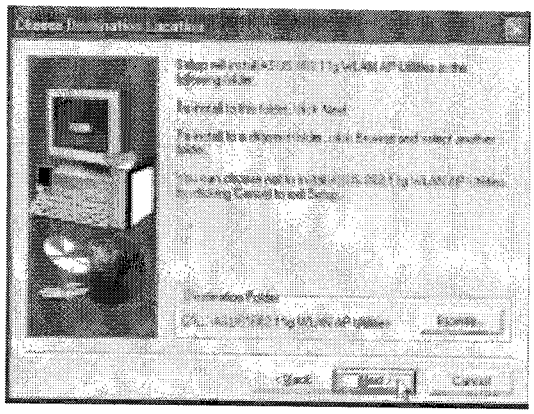
(1) Click **Install...Utilities.**



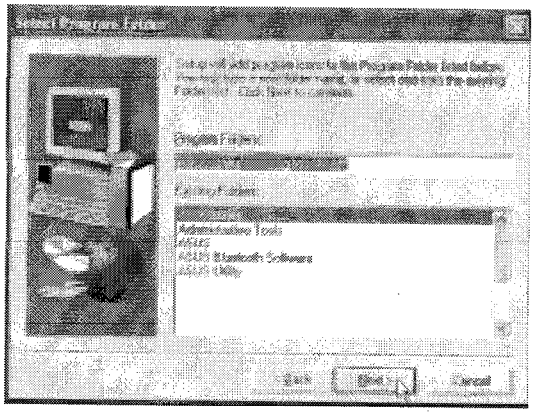
(2) Click **Next** after reading the welcome screen.



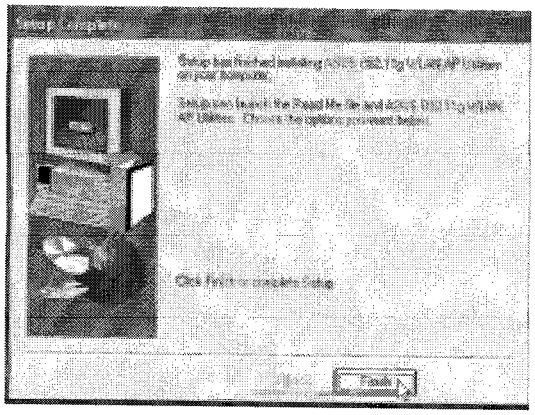
(3) Click **Yes** after reading the license agreement.



(4) Click **Next** to accept the default destination folder or click Browse to specify another path.



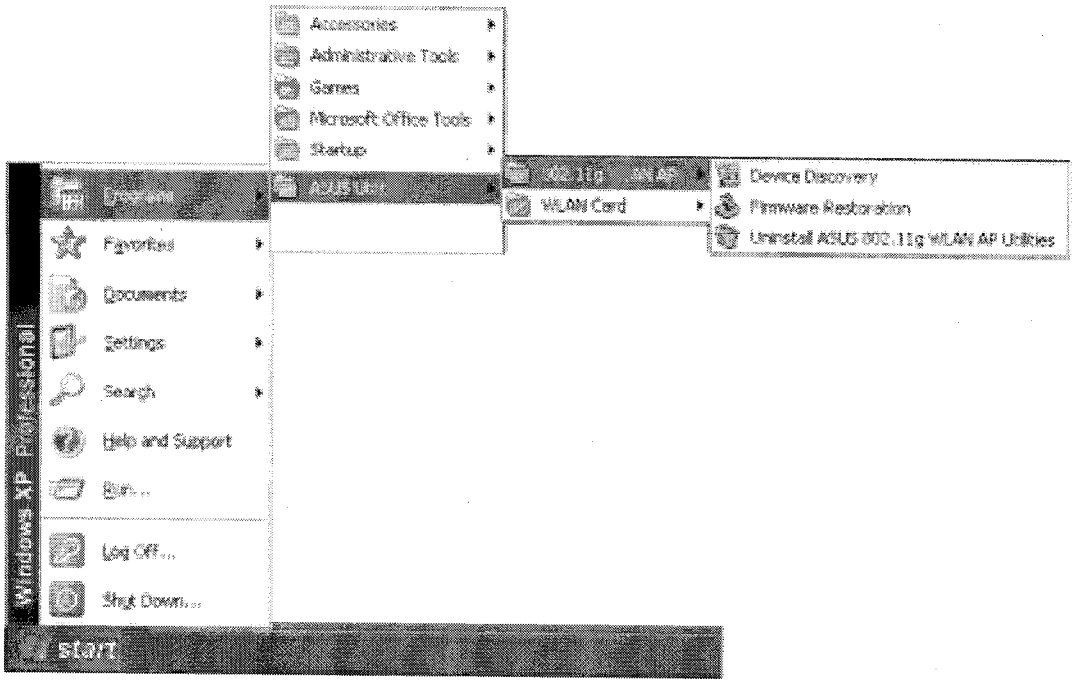
(5) Click **Next** to accept the default program folder or enter another name.



(6) Click **Finish** when setup is complete.

ASUS WLAN Utilities

After installation, you can launch the utilities through the Start menu.



Connecting to the ASUS WLAN Web Manager

Wired Ethernet Connection

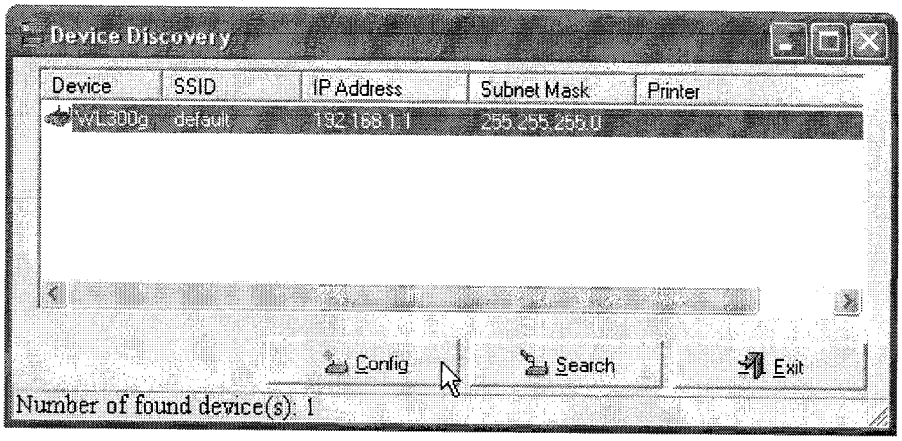
Besides using a network hub, you can also connect a LAN cable from your computer to the ASUS WL-330 using either a straight or crossover cable because the ASUS WL-330 has auto-crossover capability.

Wireless Connection

If you are using a Notebook PC with a wireless adapter, you can connect to the ASUS WLAN Web Manager without a wired Ethernet connection. Just make sure your TCP/IP settings are set correctly.

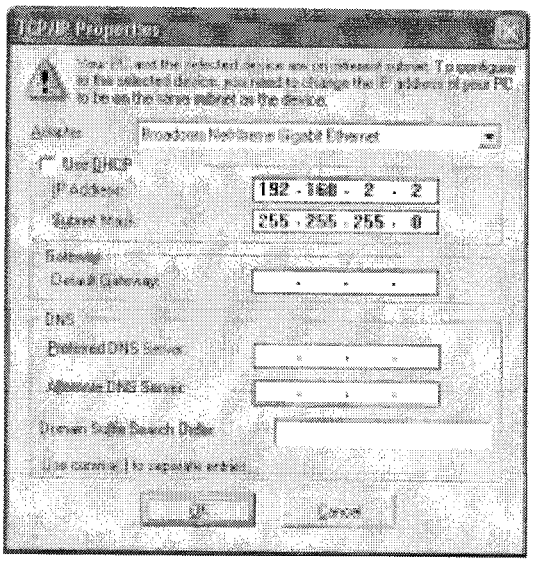
Device Discovery

Run the ASUS WLAN **Device Discovery** from the **Start** menu and click **Config** on the device.



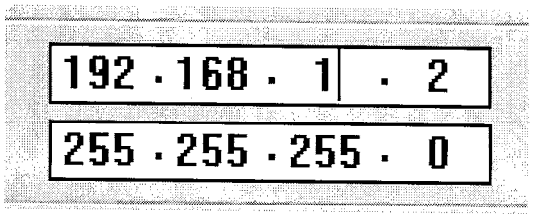
Manually Entering the Address

You can also open your PC's web browser and enter the IP address of the ASUS WL-330: **http://192.168.1.1**



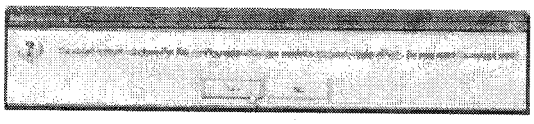
(This is the wrong setting.)

If your computer's IP is not on the same subnet as the ASUS WL-330 AP (192.168.1.X), you will be asked to change it. The IP address can be any number from 2 to 254 that is not used by another device. Gateway is not required.



(This is the correct setting.)

Note: You can also change your TCP/IP settings through Windows network properties as shown earlier.

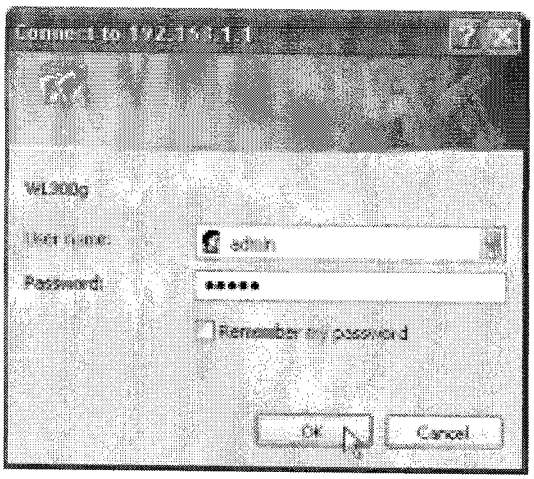


Restart your Windows if you are asked to.

Note: If you cannot find any Access Points due to a problem in the IP settings, push and hold the "Reset" button on the ASUS WL-330 over five seconds to restore factory default settings.

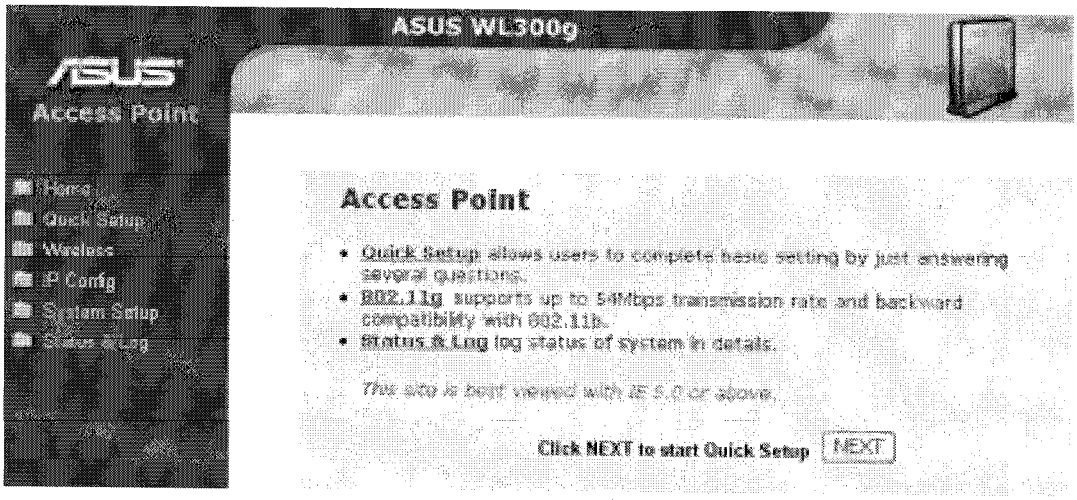
User Name and Password

Once connected, a window will ask for the User name and Password in order to log in. The factory default values are "**admin**" and "**admin**".

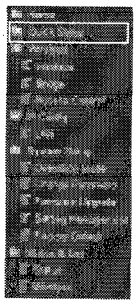


Home Page

After logging in, you will see the ASUS WL-330 home page.

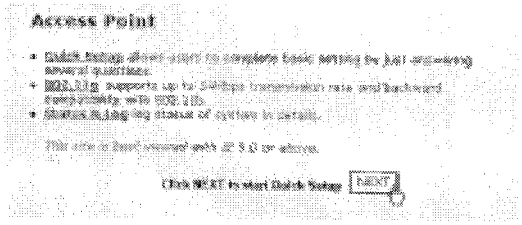


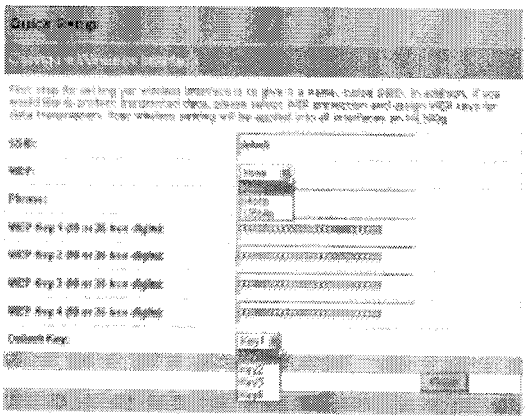
Quick Setup



Click **Next** to enter the Quick Setup page. Follow the instructions to setup the ASUS WL-330.

Configure Wireless Interface





First step for setting your wireless interface is to give it a name, called SSID. In addition, if you would like to protect transmitted data, please select WEP protection and assign WEP keys for data transmission. Your wireless setting will be applied into all interfaces.

Appendix : Warning Statement

15.21 CAUTION: 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.
15.105 Federal Communications Commission Requirements, Part 15 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.
MPE Statement (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.