

# 802.11g Wireless LAN Access Point

## Quick Installation Guide

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The next-generation wireless LAN device – 802.11g Wireless LAN Access Point is a high-speed wireless unit that performs as a transparent Media Access Control (MAC) bridge between wired Local Area Networks, and wireless networks. The 802.11g Wireless LAN Access Point also provides powerful features such as the Web management, WEP security, and more.

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**NOTE:** If any of the above items are missing or damaged, please contact your local dealer for support.

### Installing the Wireless LAN Access Point

- Connect the Wireless LAN Access Point to a hub/station with a UTP Ethernet cable. When connecting the Access Point to a PC, please use a cross-over RJ-45 cable.
- Connect the power adapter to the power socket on the Access Point, and plug the other end of the power pack into an electrical outlet.

**NOTE:** Use **ONLY** the power adapter supplied with the Wireless LAN Access Point. Otherwise, the product may be damaged.

**NOTE:** The button, labeled “**DEFAULT**” on the back panel of the Access Point, enables you to retrieve the Access Point’s default setting. ***This is used when you forget the password.*** Please detach the DC power plug and press the “**DEFAULT**” button on the back panel of the Access Point. Reconnect the power and keep holding the button in for a few seconds until the “**AP**” LED indicator blinks. This will start the Access Point with default settings and enable you to configure the Access Point via utility, telnet or Web again.

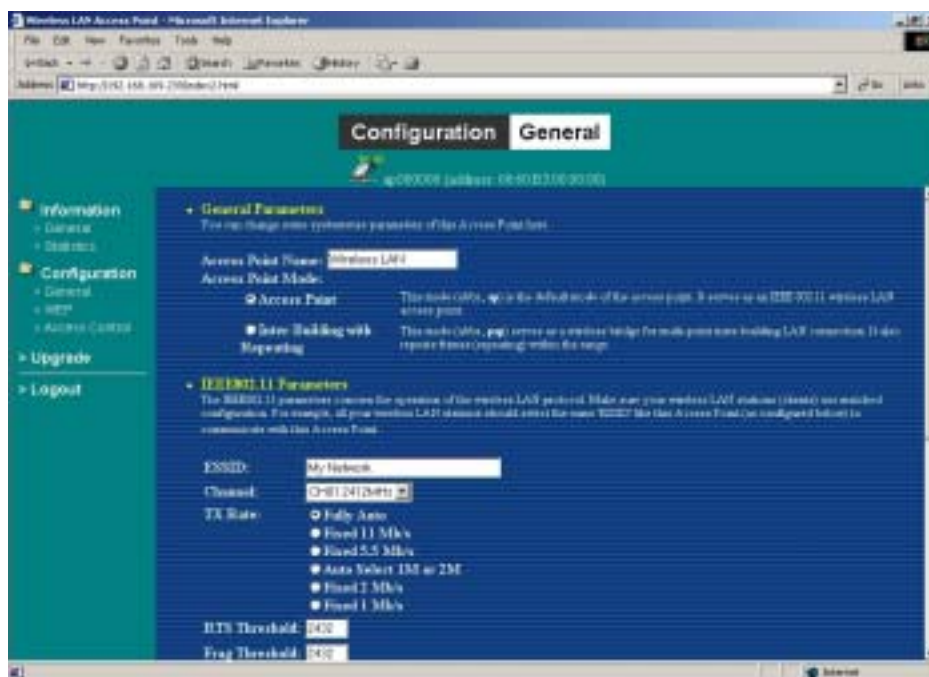
## Configuring the Wireless LAN Access Point

The 802.11g Wireless LAN Access Point allows configuration either via the configuration utility, known as Web Management, or remote access through TCP/IP (Telnet) connection.

### Web Management

The built-in Web Management provides you with a set of user-friendly graphical user interfaces (web pages) to manage your Wireless Access Point. With the assigned IP address (e.g. <http://192.168.1.1>) to the Access Point, you may get access to the **Access Point Web Pages** via a web browser (Netscape Navigator 3.0 ~ 4.5 or MS Internet Explorer 4.0 and later) to monitor and configure the Wireless LAN Access Point.

1. Open your web browser.
2. Enter the IP address of your Wireless Smart Station Adapter in the Address field (e.g. <http://192.168.1.1>). You will have access to the **802.11g Wireless LAN Access Point Web Pages** of the Wireless LAN Access Point.



3. Enter the password to login to the Wireless LAN Access Point. The default password is **default**. The main page will show up.

**NOTE:** The default password to get access to the Access Point is “**default**”.

The Wireless LAN Access Point main page contains five items for you to manage your Wireless LAN Access Point.

| Parameter            | Description                                                                                               |
|----------------------|-----------------------------------------------------------------------------------------------------------|
| <b>Information</b>   | Include Access Point's MAC address, frequency domain and firmware version.                                |
| <b>Statistics</b>    | Monitor the Ethernet and wireless network traffic.                                                        |
| <b>Configuration</b> | Set the Radio mode, IEEE802.11 parameters (ESSID, channel), password, IP address, WEP and Access Control. |
| <b>Upgrade</b>       | Upgrade the firmware of the Wireless LAN Access Point.                                                    |

- **Assign Access Point Name:** You may assign any name to the Access Point.

#### ■ **Assigning the ESSID**

The ESSID is a unique ID given to the Wireless LAN Access Point. Assign an ESSID to your Access Point (Default value: My Network). The ESSID can be up to 32 characters.

#### ■ **Assigning the Channel**

From **Configuration** → **IEEE802.11**, select a clear channel for your Wireless LAN Access Point. You may use the **Site Survey** tool came with the wireless PC Card utility to monitor each channel and choose a channel with good quality.

#### ■ **Assigning IP address (optional)**

Assign an IP address to your Access Point if you wish to configure the Wireless LAN Access Point via the Web Management or Telnet. Consult your network administrator to obtain an available IP address for your Access Point.

|              |                |
|--------------|----------------|
| IP Address : | 192.168.1 .1   |
| Netmask :    | 255.255.255.0  |
| Gateway :    | 192.168.1 .254 |

#### ■ **Using the WEP Encryption (optional)**

If data transmission with high security is required on your network, it is recommended

that the WEP encryption be used. To activate the WEP encryption, select **Configuration**, go to the **WEP** tab, and do the following:

- Pull down the **WEP Encryption** menu and select **WEP40** or **WEP128**.
- From the 4 Key entry field, enter the corresponding key value for each encryption method.

For **WEP40** data encryption:

- **5 alphanumeric characters** in the range of “a-z”, “A-Z” and “0-9” (e.g. MyKey).
- **10 digit hexadecimal** values in the range of “A-F” , “a-f” and “0-9”, preceded by the characters “0x” values (e.g. 0x11AA22BB33).

For **WEP128** data encryption:

- **13 alphanumeric characters** in the range of “a-z”, “A-Z” and “0-9” (e.g. MyKey12345678).
- **26 digit hexadecimal** values in the range of “A-F” , “a-f” and “0-9”, preceded by the characters “0x” values (e.g. 0x00112233445566778899AABBCC).

The screenshot shows a configuration window with tabs: General, IEEE802.11, Administration, IP Address, and WEP. The WEP tab is active. Under 'WEP Encryption:', a dropdown menu is open showing options: disable, WEP40 (highlighted), and WEP128. Below the menu, there are four key entry fields labeled Key 1, Key 2, Key 3, and Key 4. Key 1 has a radio button selected and contains the text 'MyKey'. Key 2 has an unselected radio button and contains '0x1234567890'. Key 3 has an unselected radio button and contains '\*\*\*\*\*'. Key 4 has an unselected radio button and contains '\*\*\*\*\*'.

- Enter the 4 WEP keys in the Key 1, Key 2, Key 3 and Key 4 entry field respectively. Select one WEP key as an active key and click “**Apply**” to make the setting take effect.

**NOTE:** The WEP key must be set up exactly the same on the Access Point as they are on the wireless client stations. If you set “MyKey” for the Access Point, the same WEP Key “MyKey” must be assigned to other client stations.

## Access Point Console

The Wireless LAN Access Point can be configured via the command prompt console with Telnet (TCP/IP) connection.

- **Telnet (TCP/IP) Connection:** Assign an IP address to your Wireless LAN Access Point through Access Point Utility and then telnet to the Access Point anywhere to get access to the Access Point console. Then, you will be able to make the configuration via the TCP/IP connection.

**NOTE:** The default password to get access to the Access Point is “default”.

For detailed configuration procedures under Telnet, please refer to 802.11g Wireless LAN Access Point User's Manual.

## Technical Support

You can find the most recent software and user documentation will be updated periodically on the supplier Web site. If you have difficulty resolving the problem while installing or using the 802.11g Wireless LAN Access Point, please contact the supplier for support.

## FCC Caution

1. The device complies with Part 15 of the FCC rules. Operation is subject to the following two conditions:
  - (1) This device may not cause harmful interference.
  - (2) This device must accept any interference received, including interference that may cause undesired operation.
2. FCC RF Radiation Exposure Statement: The equipment complies with FCC RF radiation exposure limits set forth for an uncontrolled environment. This equipment should be installed and operated with a minimum distance of 20 centimeters between the radiator and your body.
3. This Transmitter must not be co-located or operating in conjunction with any other antenna or transmitter.
4. Changes or modifications to this unit not expressly approved by the party responsible for compliance could void the user authority to operate the equipment.