

# Quick Installation Guide

## 802.11g/802.11b Access Point/Router

### 1. Introduction

#### Package Contents

The following items should be included:

- 1. Wireless Access Point    2. Power Adapter    3. Quick Start Guide    4. CD-ROM**

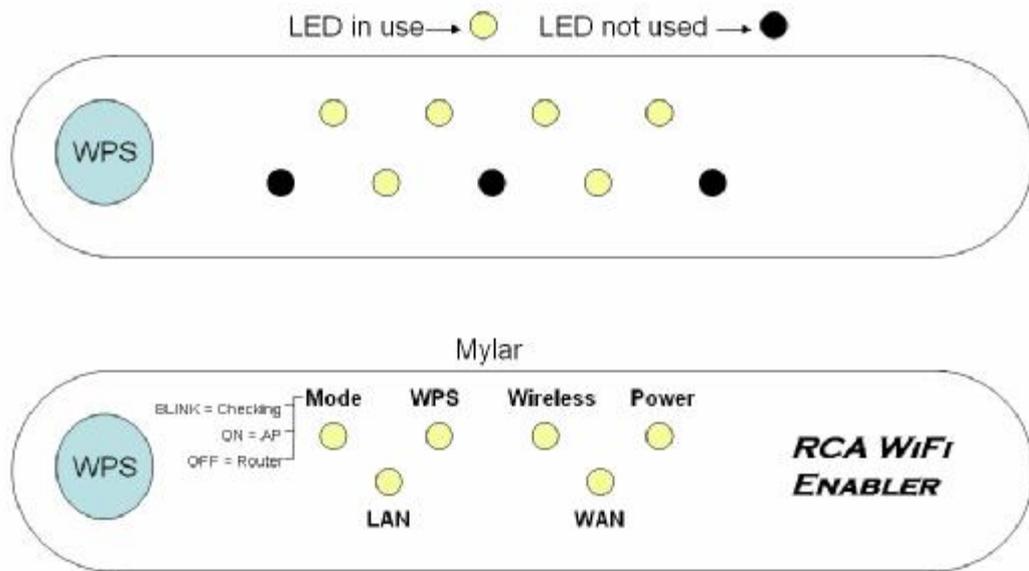


If any of the above items are damaged or missing, please contact your dealer immediately.

#### Physical Details

##### Front Panel LEDs

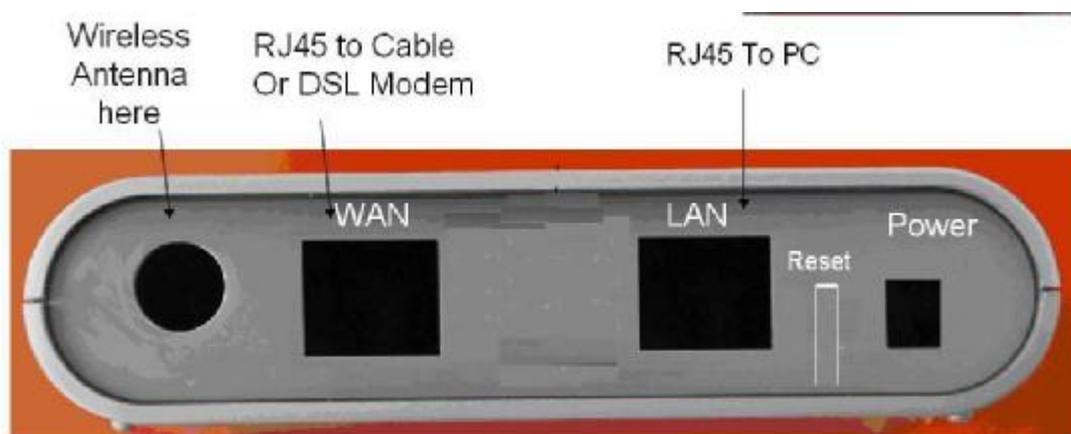
<b>Power</b>	<b>On</b> - Normal operation. <b>Off</b> - No power
<b>LAN</b>	<b>On</b> - The LAN (Ethernet) port is active. <b>Off</b> - No active connection on the LAN (Ethernet) port. <b>Flashing</b> - Data is being transmitted or received via the corresponding LAN (Ethernet) port.
<b>WAN</b>	<b>On</b> - The WAN (Ethernet) port is active. <b>Off</b> - No active connection on the WAN (Ethernet) port. <b>Flashing</b> - Data is being transmitted or received via the corresponding WAN (Ethernet) port.
<b>Wireless LAN</b>	<b>On</b> - Idle. <b>Off</b> - Error- Wireless connection is not available. <b>Flashing</b> - Data is being transmitted or received via the Wireless access point. Data includes "network traffic" as well as user data.
<b>Mode</b>	<b>On</b> - AP mode <b>Off</b> - Router mode
<b>WPS</b>	Following WPS standard SPEC



#### Rear Panel

Antennae	One antenna is supplied. Best results are usually obtained with the antennae in a vertical position.
Reset Button	<p>This button has two (2) functions:</p> <p>Reboot. When pressed and released, the Wireless Access Point will reboot (restart).</p> <p>Reset to Factory Defaults. This button can also be used to clear ALL data and restore ALL settings to the factory default values, as follows:</p> <ol style="list-style-type: none"> <li>1. Power off the Access Point.</li> <li>2. Hold the Reset Button down while you Power On the Access Point.</li> <li>3. Continue holding the Reset Button until the Status (Red) LED blinks TWICE.</li> <li>4. Release the Reset Button.</li> </ol> <p>The factory default configuration has now been restored, and the Access Point is ready for use.</p>

WPS Button	The button is for WPS function: After pressed and released, router enter into mode which can support WPS client to connect
Ethernet LAN	Use a standard LAN cable (RJ45 connectors) to connect this port to a 10BaseT or 100BaseT hub on your LAN.
Ethernet WAN	Use a standard LAN cable (RJ45 connectors) to connect this port. In AP mode, connect this port to a 10BaseT or 100BaseT hub on your LAN. In Router mode, connect this port to a DSL modem
Power port	Connect the supplied power adapter here.



## 2. Installation

1. Select a suitable location for the installation of your Wireless Access Point. To maximize reliability and performance, follow these guidelines:
  - Use an elevated location, such as wall mounted or on the top of a cubicle.
  - Place the Wireless Access Point near the center of your wireless coverage area.
  - If possible, ensure there are no thick walls or metal shielding between the Wireless Access Point and Wireless stations.
2. Use a standard LAN cable to connect the “LAN” port on the Wireless Access Point to a 10/100BaseT hub on your LAN.

3. If used as router, use a standard LAN cable to connect the “Wan” port on the Wireless Access Point to DSL modem.
4. Connect the supplied power adapter to the Wireless Access Point and a convenient power outlet, and power up.
5. Check the LEDs:
  - The Power, Wireless LAN, and LAN LEDs should be ON.

### 3. Access Point Setup

The default settings are:

- SSID: Thomson
- WPA-PSK: Enabled
- Key: Generate from MAC address

If you need to change these, follow this procedure.

1. Check the Wireless Access Point to determine its Default Name. This is shown on a label on the base or rear, and is in the following format:  
SCxxxxxx  
Where xxxxxx is a set of 6 Hex characters ( 0 ~ 9, and A ~ F ).
2. Use a PC which is already connected to your LAN, either by a wired connection or another Access Point.
  - Until the Wireless Access Point is configured, establishing a Wireless connection to it may be not possible.
  - If your LAN contains a Router or Routers, ensure the PC used for configuration is on the same LAN segment as the Wireless Access Point.
3. Start your Web browser.
4. For the Address enter "HTTP://" and the Default IP of the Wireless Access Point  
  
e.g. HTTP://192.168.0.1
5. You should then see a login prompt, which will ask for a User Name and Password. Enter admin for the User Name, and leave the Password blank. These are the default values. If they are changed, use the current values.
6. You will then see the Status screen, which displays the current settings and status. No data input is possible on this screen.
7. From the menu, select and configure the following options, using the on-line help if necessary.
8. Setup of the Wireless Access Point is now complete.

Note:

The CD-ROM contains a Windows utility which can be used to assist setup.

#### 4. Client (PC) Configuration

##### WEP/WPA-PSK Mode

Each Wireless Station must have the same settings as the Wireless Access Point.

Mode	On each PC, the mode must be set to Infrastructure.
SSID (ESSID)	This must match the value used on the Wireless Access Point. The default value is default Note! The SSID is case sensitive.
WEP WPA-PSK	If WEP or WPA-PSK is enabled on the Wireless Access Point, each station must use the same settings as the Wireless Access Point.

# Regulatory Approvals

## FCC Statement

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 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.

To assure continued compliance, any changes or modifications not expressly approved by the party responsible for compliance could void the user's authority to operate this equipment. (Example - use only shielded interface cables when connecting to computer or peripheral devices).

## FCC Radiation Exposure Statement

This 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.

This 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, and
- (2) This device must accept any interference received, including interference that may cause undesired operation.

This transmitter must not be co-located or operating in conjunction with any other antenna or transmitter.

The antennas used for this transmitter must be installed to provide a separation distance of at least 20 cm from all persons and must not be co-located or operating in conjunction with any other antenna or transmitter.

## Channel

The Wireless Channel sets the radio frequency used for communication.

- Access Points use a fixed Channel. You can select the Channel used. This allows you to choose a Channel which provides the least interference and best performance. In the USA and Canada, 11 channels are available. If using multiple Access Points, it is better if adjacent Access Points use different Channels to reduce interference.
- In "Infrastructure" mode, Wireless Stations normally scan all Channels, looking for an Access Point. If more than one Access Point can be used, the one with the strongest signal is used. (This can only happen within an ESS.)
- If using "Ad-hoc" mode (no Access Point), all Wireless stations should be set to use the same Channel. However, most Wireless stations will still scan all Channels to see if there is an existing "Ad-hoc" group they can join.

Note: This equipment marketed in USA is restricted by firmware to only operate on 2.4G channel 1-11