Quick Installation Guide of WLAN Access Point

※ **To avoid users without access right through your WLAN Access Point, suggest that use security mechanism like WEP, WPA or set ID/password for web configuration login IP address 192.168.1.254.**

Preparation

1 At lease one PC with IEEE802.11b/g WLAN client installed.

2 One straight-through Category 5 Ethernet cable, used to link LAN interface to configure Access Point.

3 WLAN Access Point.

Check package contents:
- ✓ WLAN Access Point
- ✓ DC 7.5V Power Adapter
- ✓ User's manual CD-ROM
- ✓ 1.8M RJ-45 Cable Line

Collect Installation Information:

LAN configuration

IP Address	192.168.1.254
Subnet Mask	255.255.255.0

WLAN configuration

SSID	MyWLAN
Mode	AP
Channel Number	11

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Parts and Functions of WLAN Access Point:

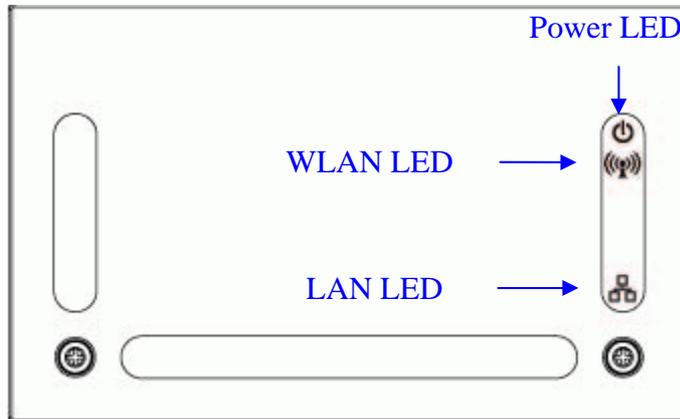Figure 1 – WLAN Access Point Upper Panel

| LED Indicator	State	Description
1. Power LED	On	The WLAN Access Point is powered on.
	Off	The WLAN Access Point is powered off.
2. WLAN LED	Flashing	Data is transmitting or receiving on the antenna.
	Off	No data is transmitting or receiving on the antenna.
3. LAN LED		
ACT	Flashing	Data is transmitting or receiving on the LAN interface.
	On	Port linked.
	Off	No link.

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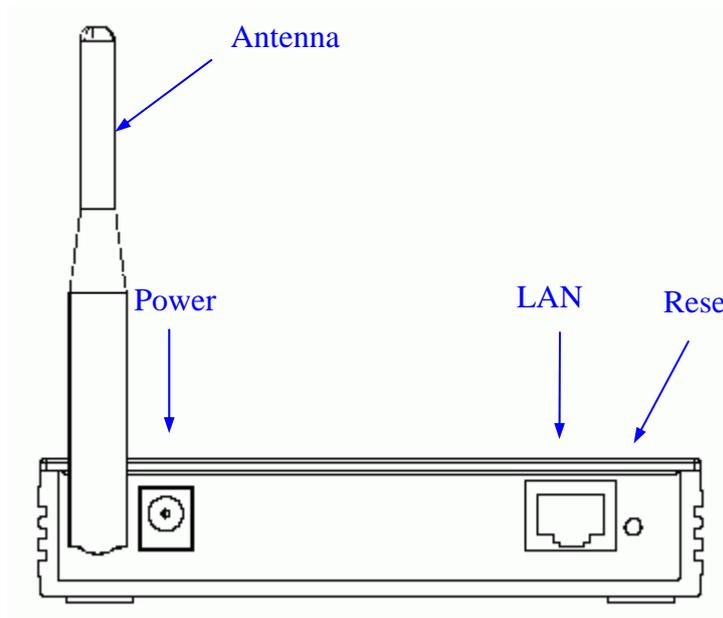
Figure 2 – WLAN Access Point Rear Pane

Interfaces	Description
1. Antenna	The Wireless LAN Antenna.
2. Power	The power jack allows an external DC +7.5 V power supply connection. The external AC to DC adaptor provide adaptive power requirement to the WLAN Access Point.
3. LAN	The RJ-45 sockets allow LAN connection through Category 5 cables. Support auto-sensing on 10/100M speed and half/ full duplex; comply with IEEE 802.3/ 802.3u respectively.
4. Reset	Push continually the reset button 5 ~ 10 seconds to reset the configuration parameters to factory defaults.

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Installation

Step One – Power On WLAN Access Point

Connect DC 7.5V Power Adapter to WLAN Access Point and the wall power socket.

Notice: It will take about 55 seconds to complete the boot up sequence after powered on the WLAN Access Point; Power LED will be active, and after that the WLAN Activity LED will be flashing to show the WLAN interface is enabled and working now.

Step Two – Configure WLAN Access Point

1. Connect your PC to LAN port for configuration setting

   WLAN Access Point is delivered with the following factory default parameters on the Ethernet LAN interfaces.

   ■ Default IP Address**: *192.168.1.254***
   ■ Default IP subnet mask**: *255.255.255.0***
   ■ WEB login User Name**: *<empty>***
   ■ WEB login Password**: *<empty>***
   ■ Configure your PC with IP address between 192.168.1.1 to 192.168.1.253 and subnet mask to be 255.255.255.0, then open an Internet browser (i.e. Microsoft IE6.1 SP1 or above) to connect WLAN Access Point by entering http://192.168.1.254 to URL field.

WLAN Access Point / Client

Access Point Status

This page shows the current status and some basic settings of the device.

System	
Uptime	0day:0h:6m:51s
Firmware Version	a1.4.0
Wireless Configuration	
Mode	AP
Band	2.4 GHz (B+G)
SSID	MyWLAN
Channel Number	11
Encryption	Disabled
BSSID	00:0e:8e:7d:3a:bf
Associated Clients	1
TCP/IP Configuration	
Attain IP Protocol	Fixed IP
IP Address	192.168.1.254
Subnet Mask	255.255.255.0
Default Gateway	192.168.1.254
MAC Address	00:0e:8e:7d:3a:bf

Site contents:
- Status
- Setup Wizard
- Wireless
- TCP/IP Settings
- Log
- Statistics
- Upgrade Firmware
- Save/Reload Settings
- Password

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The following example is to configure Access Point as "AP" mode that use factory default value. You may change those values if you think that is necessary.

2. Click "Setup Wizard" in submenu of Site contents
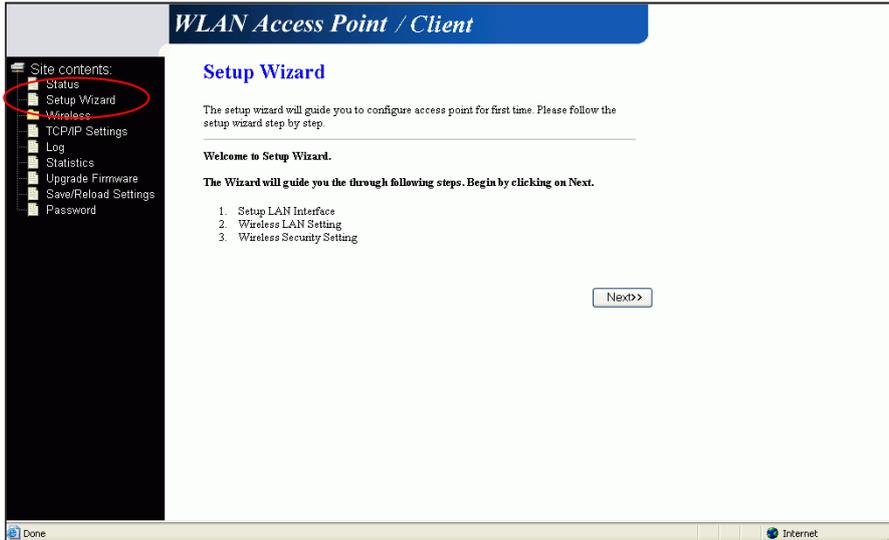
■ Click "Next>>" button to go next.

3. Configure LAN Interface

■ IP Address – Assign LAN IP address.
■ Subnet Mask – Given Subnet Mask
■ Click "Next>>" button to go next.
■ Click "<<Back" button to go previous
■ Click "Cancel button to go back Setup Wizard page.

4. Configure Wireless Basic configuration

- Band – Assign Radio Freq.
- Mode – WLAN Mode (AP/Client/WDS/AP+WDS).
- Network Type – Infrastructure/Ad hoc.
- SSID – Assign SSID.
- Channel – Assign wireless channel number.
- Enable Mac Clone(Single Ethernet Client) – Clone Ethernet Mac address to replace default Mac address (Only Client mode).
- Click "Next>>" button to go next.
- Click "<<Back" button to go previous
- Click "Cancel button to go back Setup Wizard page.

5. Configure Wireless Security

- Encryption – Setup Wireless Security.
- Click "Finished>>" button to end wizard.
- Click "<<Back" button to go previous
- Click "Cancel button to go back Setup Wizard page.

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Step Three – Connect WLAN client to WLAN Access Point wirelessly
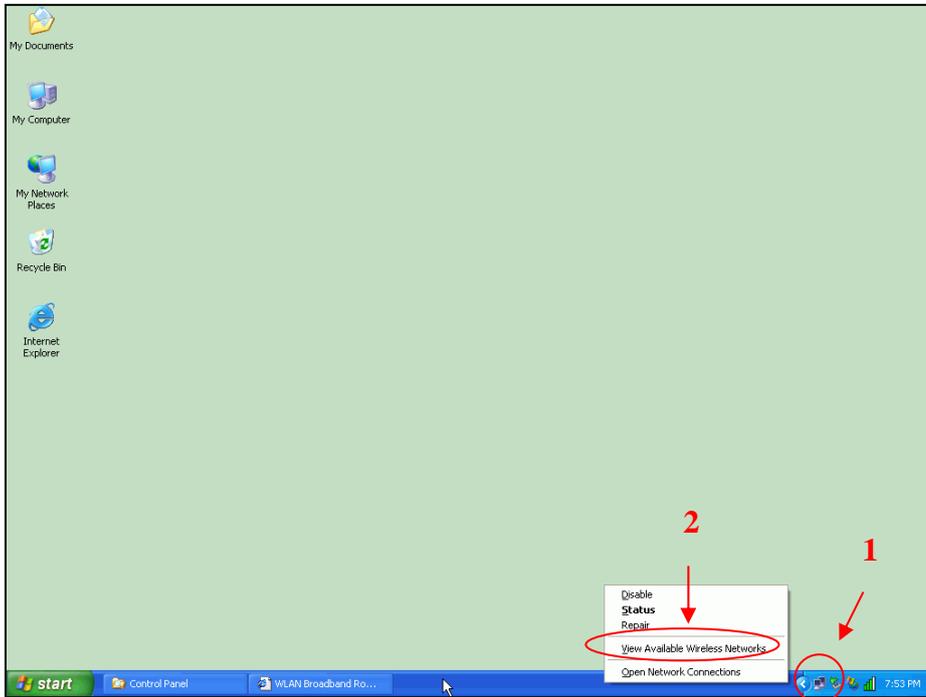
On your wireless client PC:

1. Move your mouse to the Network icon on the Task bar and right click the mouse button to bring up the pop-up menu.

2. Click the View Available Wireless Networks on the pop-up menu.
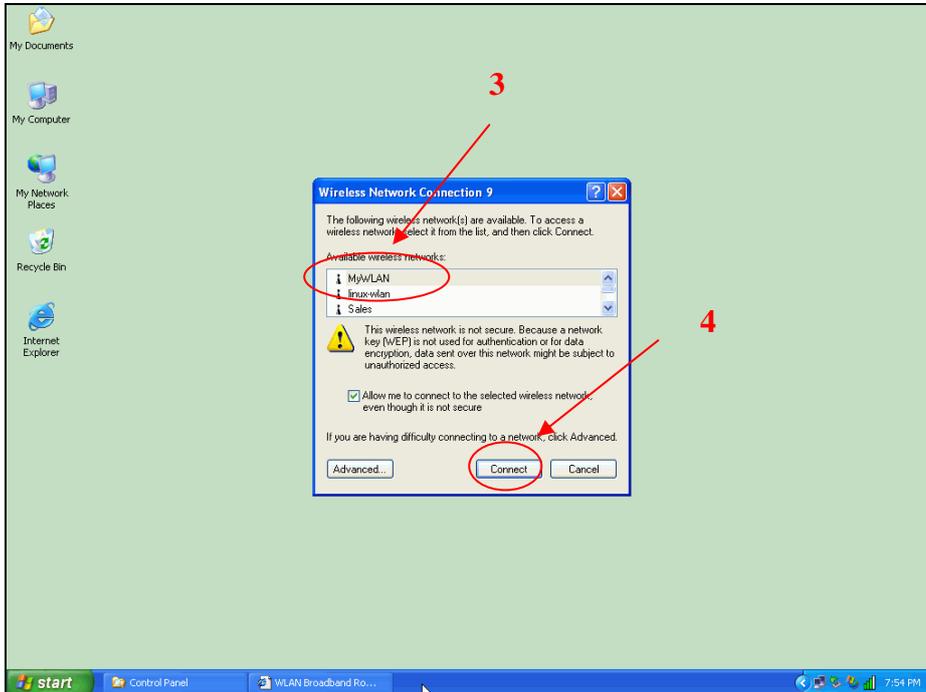
3. Select the specific WLAN network (SSID) from the Available Networks list.

4. Click the Connect button to establish the communication link to the wireless network

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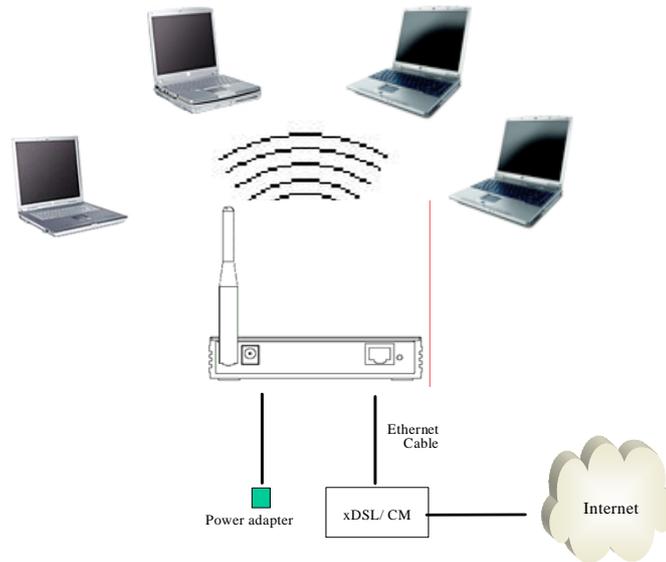
The wireless network diagram of WLAN Access Point..

Reference

Please consult the user's manual of WLAN Access Point for detailed and complete operation guide.

The equipment has been tested and found to comply with FCC and CE 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.

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Federal Communication Commission Interference 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.

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.

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

IMPORTANT NOTE:

FCC Radiation Exposure Statement:

This equipment complies with FCC radiation exposure limits set forth for an uncontrolled environment. This equipment should be installed and operated with minimum distance 20cm between the radiator & your body.

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

The WAPR-141 (FCCID: RYK-WAPR141) is limited in CH1~CH11 for 2.4 GHz by specified firmware controlled in U.S.A.

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EC Declaration of Conformity

Name applicant:

SparkLAN Communications, Inc.

3F, No. 246, Sec. 1, Neihu Road, Neihu Chiu, Taipei, Taiwan, ROC 114

Hereby declares under sole responsibility that product

Brand name:	**Sparklan**
Product number:	**WAPR-141**
Product description:	**Wireless 802.11g Multi-mode AP**

To which this declaration relates complies with the requirements of the following standards:

EN 300 328

EN 301 489

EN 60950-1 2001

This certifies that the designated product as described above complies with the directives described above and carries the CE marking accordingly.

This declaration has been signed under responsibility of the manufacturer / importer.

Name manufacturer / importer:

Sparklan Communications

Date: July 31, 2006

Mike Chen

CEO

Product article code: **WAPR-141**

Product description: **Wireless 802.11g Multi-mode AP**

Product manufacturer / importer: **Sparklan Communications, Inc.**

Countries in which the product as described above may be used freely:

Austra, Belgium, Denmark, Finland, France, Germany, Greece, Iceland, Ireland, Italy, Luxembourg, Netherlands, Norway, Portugal, Spain, Sweden, Switzerland, UK

Countries where usage of the product as described above is prohibited:

None.

Countries where usage of the product as described below is limited:

France: The use of other channels than the channels 10 through 13 is prohibited by law.