

Compex Wireless Network Access Point

WPE54

Version 1.1



1. Introduction



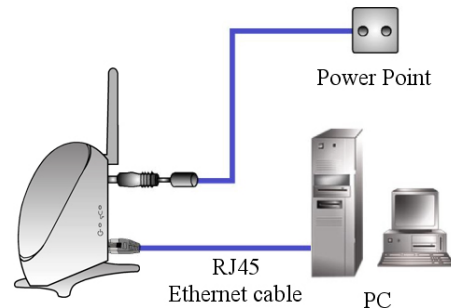
This compact and high-performance access point is designed with support for high security features like enhanced Wi-Fi Protected Access (WPA1/2-PSK, WPA1/2-EAP), IEEE 802.1x Authentication (TLS, TLLS, PEAP, EAP-SIM) and 64-bit or 128-bit Wired Equivalent Privacy.

Exclusive wireless LAN technology Wireless Pseudo VLAN further enhances security in wireless hotspot networks in isolating different users into their own VLANs.

The access point is capable of operating in 6 different modes: Access Point Bridging, Access Point Client, Gateway, Wireless Routing Client, Wireless Ethernet Adapter and Wireless Bridge Link, making it suitable for all kinds of wireless applications.

2. Hardware Installation

1. Connect one end of a RJ45 crossover Ethernet cable to your PC and the other end to the Ethernet port of the access point.
2. Next, attach the power adapter supplied in the packaging to the power point.
3. Connect the power plug into the DC jack of the access point.



4. Power ON the access point and your PC. Notice that the **LAN Link/ACT** and **Power** LEDs will light up. This indicates that the connection has been established successfully between the access point and your PC.



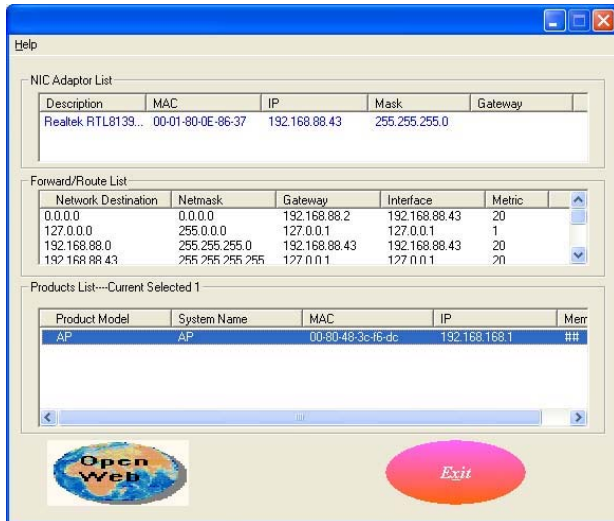
Manual Number:
M-0505-V1.1C
Version 1.1
November 2006



3. Access to Web-based Interface

The powerful uConfig utility has been developed which provides you hassle-free access to the web-based configuration page. To do so, simply

1. Insert your Product CD into your CD-ROM drive. Go to the **Utilities** section. Click **uConfig** to run the program.
2. The following screen shot will appear. Select the access point click on the **OpenWeb** button to access the authentication page.



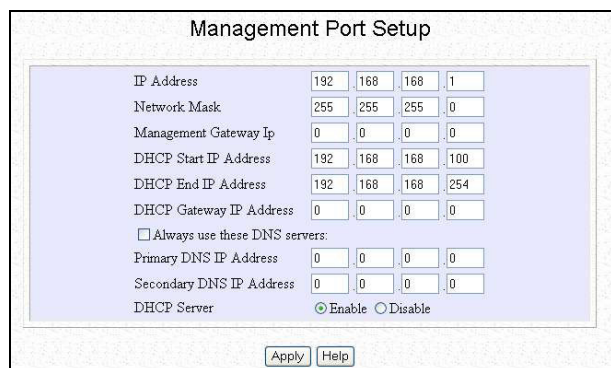
3. The default password is pre-configured as *password* and is already provided in the field below. Click on the **Log On!** button to access the main page.



After accessing the main page, you can start doing your configuration

4. Basic Configuration

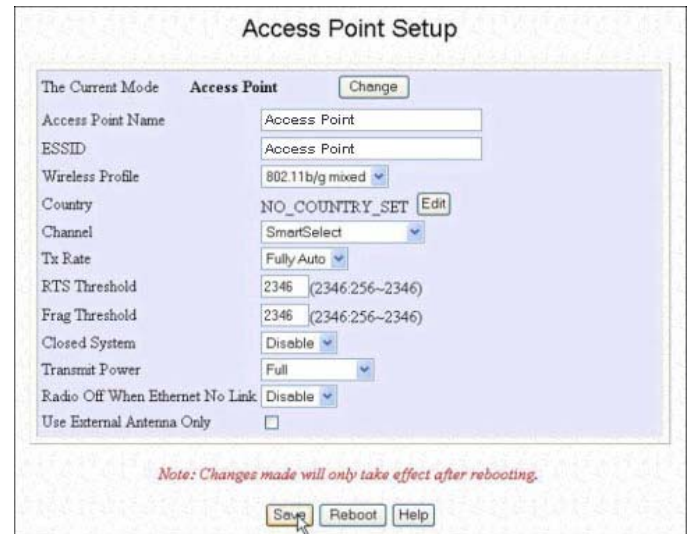
1. To handle automatic IP addressing, go to **Management Port** under the **CONFIGURATION** section.
2. Go to the **DHCP Server** option and select the **Enable** radio button. Click on the **Apply** button to update the changes.



Now, the access point acts as a DHCP Server that can assign IP address to your PC/clients.

5. WLAN Basic Setup

1. To configure the access point for your wireless user, go to **WLAN Basic Setup** from the **CONFIGURATION** section.
2. From your **Access Point Setup** window, key in the **ESSID** that you intend to use for your wireless network.
3. You may leave the frequency channel as **SmartSelect**. This allows your access point to select the channel automatically.
4. Leave the remaining settings as default and click the **Apply** button to update the changes.



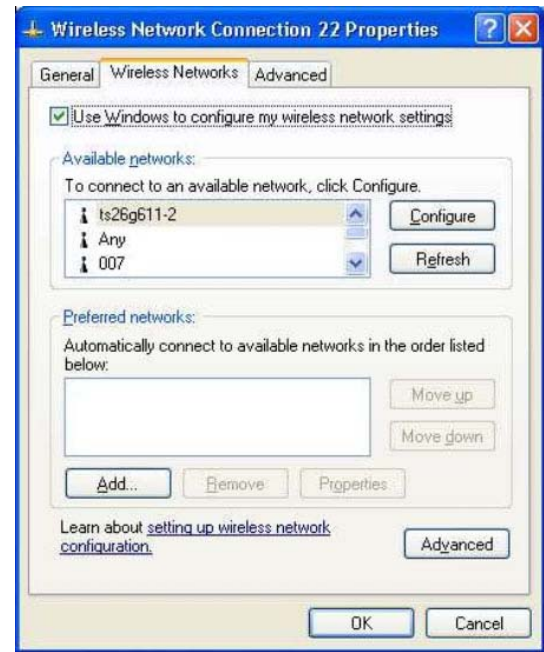
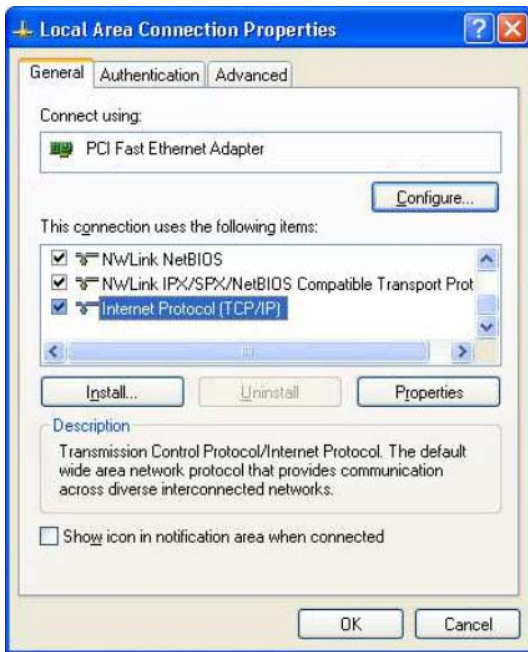
6. TCP/IP Configuration for wireless clients

Generally, automatic IP addressing should be configured for your wireless client PCs or notebooks. You may configure the TCP/IP settings of two PCs using Microsoft windows XP as follows:

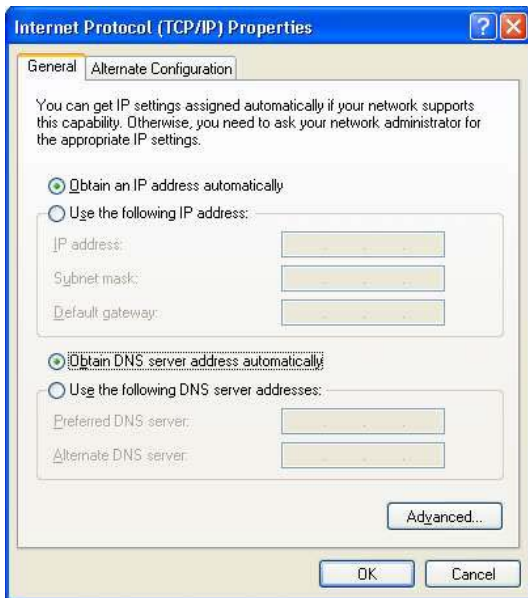
1. From your desktop, right click on **My Network Places** and select **Properties**.
2. Next, right click on your Ethernet Adapter go to **Properties**.



3. Highlight **Internet Protocol (TCP/IP)** and click on the **Properties** button.



4. Select the radio buttons for **Obtain an IP address automatically** and **Obtain DNS server address automatically**. Click on the **OK** button to update the changes.



7. Next, enter the **Network name (SSID)** that must be the same as the ESSID that you input earlier for your access point.



Next, you may set up Windows XP's Wireless Network Connection as follows:

5. Right click on **Wireless Network Connection** corresponding to the Wireless Ethernet Adapter you wish to connect to the access point, and click on **Properties**.
6. Go to **Wireless Networks** tab and click on **Add..** button.

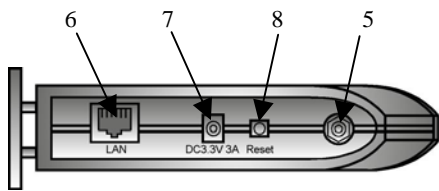
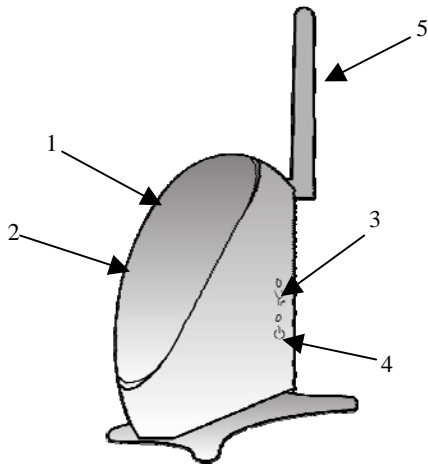


Ensure that the Network name (SSID) value should be the same for all wireless clients in the same wireless network.

For now, you may leave the other information as their default value.
Network Authentication: Open
Data encryption: Disabled

For details in configuring the access point, kindly refer to the User's Manual stored in the Product CD.

7. Panel Views and Descriptions



Features		Status and Indications	
1	LAN Link/Act LED	Steady Yellow	Operating at the speed of 10Mbps.
		Steady Green	Operating at the speed of 100Mbps.
2	WLAN Link/Act LED	Steady Green	More than 1 wireless clients are present in the wireless network.
		Blinking Green	Activity is detected in the wireless network.
3	Diagnostic LED	Steady Green	The device is in access point or gateway mode.
		Blinking Green	The device is booting.
		Off	The device is in Client mode.
4	Power LED	Steady Blue	Power is supplied to the device.
		Off	No power is supplied to the device.
5	Antenna	2dbi antenna	
6	LAN RJ45 Ethernet Port	Use an RJ45 Ethernet cable for connection.	
7	DC 3.3V 3A	Power input of 3.3VDC	
8	Reset button	Push button: <ul style="list-style-type: none"> ◆ 2s to reboot your device ◆ between 2s to 10s to restore to its factory default ◆ > 10s for switching between the different modes 	

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Manual Revision by Daniel
Manual Number: M-0505-V1.1C Version 1.1, November 2006

FCC NOTICE: This device 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 device 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 device does cause harmful interference to radio or television reception, 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 computer and receiver.
- Connect the computer 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.

Caution: Any changes or modifications not expressly approved by the grantee of this device could void the user's authority to operate the equipment.

FCC Compliance Statement: 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.

Products that contain a radio transmitter are labeled with FCC ID and may also carry the FCC logo.

Caution: Exposure to Radio Frequency Radiation.

To comply with the FCC RF exposure compliance requirements, the following antenna installation and device operating configurations must be satisfied:

- a. For configurations using the integral antenna, the separation distance between the antenna(s) and any person's body (including hands, wrists, feet and ankles) must be at least 2.5cm (1 inch).
- b. For configurations using an approved external antenna, the separation distance between the antenna and any person's body (including hands, wrists, feet and ankles) must be at least 20cm (8 inch).

The transmitter shall not be collocated with other transmitters or antennas.

ICES 003 Statement

This Class B digital apparatus complies with Canadian ICES-003.

DECLARATION OF CONFORMITY: Compex, Inc. declares that the product:

Product Name: Compex Wireless-A/G Dual-Band Network Access Point

Model No.: WPE54 conforms to the following Product Standards:

Radiated Emission Standards: ETSI EN 300 328-2; July 2000; FCC: 47 CFR Part 15, Subpart B, ANSI C63.4-1992; 47 CFR Part 15, Subpart C (Section 15.247), ANSI C63.4-1992.

Conducted Emission Standards: ETS 300 826; Nov. 1997.

Immunity Standards: IEC 801-2; IEC 801-3; IEC 801-4

Low Voltage Directive: EN 60 950:1992+A1; 1993+A2; 1993+A3; 1995+A4; 1996+A11; 1997

Therefore, this product is in conformity with the following regional standards: FCC Class B – following the provisions of FCC Part 15 directive; **CE Mark** – following the provisions of the EC directive.

Manufacturer's Name: Compex, Inc.
Address: 840 Columbia Street, Suite B
Brea, CA 92821, USA

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WARRANTY REGISTRATION CARD			[M-0088-V2.4C]	
Register via the Internet at http://www.cpx.com or http://www.compex.com.sg				
To activate the warranty, please complete this card and return to Compex within ninety 90 days from the date of purchase.				
Please e-mail this warranty card to support@compex.com.sg .				
Product:	Purchase Date:	Model:	Serial No:	
Name:		E-mail:		
Company:				
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Postal/Zip Code:			Country:	
Phone: ()				

Note:
For purchases within U.S.A and Canada, please fax to Compex, Inc. at (714) 482 0332
For purchases outside U.S.A and Canada, please fax to Compex Systems Pte Ltd at (65) 6280-9947

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