Quick Install Guide

Compex Wireless Network Access Point

WPE54

Version 1.1



networks@work

networks@work COMPEX 1. Introduction



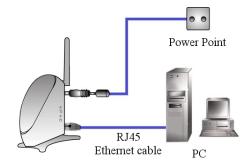
This compact and high-performance access point is designed with support for high security features like enhanced Wi-Fi Protected Access (WPA1/2-PSK, WPA1/2-EAP), IEEE 802.1x Authentication (TLS, TLLS, PEAP, EAP-SIM) and 64-bit or 128-bit Wired Equivalent Privacy.

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.



 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.





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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.

Description	MAC	IP	Mask	Gateway	
Realtek RTL8139	00-01-80-0E-86-37	192.168.88. <mark>4</mark> 3	255.255.255.0		
orward/Route List					
Network Destinatio	n Netmask	Gateway	Interface	Metric	
0.0.0.0	0.0.0	192.168.88.2	192.168.88.43	20	
127.0.0.0	255.0.0.0	127.0.0.1	127.0.0.1	1	
192.168.88.0	255.255.255.0	192.168.88.43	192.168.88.43	20	~
192 168 88 43	255 255 255 255	127001	127 0 0 1	20	
roducts ListCurrent S	elected 1				
Product Model	System Name	MAC	IP		Me
AP	AP	00-80-48-3	c-f6-dc 192.	168.168.1	##
<					>

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.

Wireless LA	N Acces	s Point Management
P	lease enter you	r password:
ad and and a		Log On !
(Forgot your pa	issword? - see th	e User's Guide for instructions.)

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.

IP Address	192	. 168	168	.1
Network Mask	255	. 255	255	.0
Management Gateway Ip	0	0	0	. 0
DHCP Start IP Address	192	168	168	. 100
DHCP End IP Address	192	. 168	168	. 254
DHCP Gateway IP Address	0	. 0	.0	0
Always use these DNS ser	vers:			
Primary DNS IP Address	0	. 0	.0	. 0
Secondary DNS IP Address	0	0	. 0	. 0
DHCP Server	⊙ En	able O	Disable	

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.

The Current Mode Access Poin	t Change
Access Point Name	Access Point
ESSID	Access Point
Wireless Profile 8	302.11b/g mixed 💌
Country N	IO_COUNTRY_SET Edit
Channel	SmartSelect
Tx Rate F	Fully Auto 😒
RTS Threshold	346 (2346:256~2346)
Frag Threshold 2	346 (2346:256~2346)
Closed System [Disable 👻
Transmit Power	Full 💌
Radio Off When Ethernet No Link	Disable 🛩
Use External Antenna Only	

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.

	ation Advanced	
Connect using:		
PCI Fast Et	hernet Adapter	
This connection u	ses the following items:	Configure
M Tinternet F	IPX/SPX/NetBIOS Compatib Protocol (TCP/IP)	~
<		
Install	Uninstall	Properties
Description		
	ontrol Protocol/Internet Proto ork protocol that provides co interconnected networks.	

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.

You can get IP settings assigned automatically if your network supports this capability. Otherwise, you need to ask your network administrator for the appropriate IP settings.	his capability. Otherwise, you need to ask your network administrator f he appropriate IP settings.	eneral	Alternate Configu	uration			
Use the following IP address: IP address: Use the following IP address: Use the following DNS server address automatically Use the following DNS server addresses: Preferred DNS server: Alternate DNS server:	Use the following IP address: IP address: Use the following IP address: Use the following IP address: Default gateway: Use the following DNS server addresses: Preferred DNS server: Alternate DNS server:	this cap	pability. Otherwise,	you need to ask			
IP address: Sybnet mask: Default gateway: Obtain DNS server address automatically O Usg the following DNS server addresses: Preferred DNS server: Alternate DNS server:	IP address:	<u>o o</u> l	btain an IP addres	s automatically			
Subhet mask: Default gateway: Obtain DNS server address automatically O Use the following DNS server addresses: Preferred DNS server: Alternate DNS server.	Subhet mask: Default gateway: Default gateway: Use the following DNS server addresses: Preferred DNS server: Alternate DNS server.	OU;	se the following IP	address:			
Default gateway:	Default gateway: • Obtain DNS server address automatically • Use the following DNS server addresses: Preferred DNS server: Atemate DNS server:	IP a	ddress:				
Obtain DNS server address automatically Ouse the following DNS server addresses: Preferred DNS server. Alternate DNS server.	Obtain DNS server address automatically Ouse the following DNS server addresses: Preferred DNS server. Aternate DNS server.	Sybr	net mask:				
Use the following DNS server addresses: Preferred DNS server. Alternate DNS server.	Use the following DNS server addresses: Preferred DNS server: Alternate DNS server:	Defa	ult gateway:		2	2 F	
Preferred DNS server.	Preferred DNS server.	0	<u>b</u> tain DNS server a	address automati	cally		
Alternate DNS server.	Alternate DNS server	OU	se the following D1	VS server addres	ses:		
		Prefe	erred DNS server.		-		
Advanced	Advanced	Alter	nate DNS server				
Auvanceu	Augance					6	duanced
						2	kuyanceu

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.

eneral	Wireless Networks	Advanced	
Use	Windows to configur	e my wireless i	network settings
Avail	able networks:		
	onnect to an available	e network, clic	k Configure.
i	ts26g611-2		Configure
	Any		
	007		Refresh
Prefe	007 rred networks: matically connect to a	vailable netwo	rks in the order listed
Prefe	rred networks: matically connect to a	vailable netwo	rks in the order listed
Erefe Autor below	rred networks: matically connect to a		rks in the order listed

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

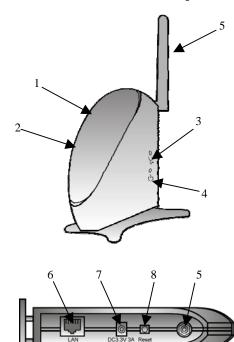
ireless network proper	ties	?
Association Authentication		
Network name (SSID):	access point	
Wireless network key		
This network requires a ke	ey for the following:	
Network Authentication:	Open	*
Data encryption:	Disabled	~
Network key		
Confirm network keyr		
Key indeg (advanced).	1	
The key is provided to	me automatically	
This is a <u>c</u> omputer-to-cor access points are not us	mputer (ad hoc) network; win ed	eless
	ОК	Cancel

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	States	and Indications		
_					
1	LAN Link/Act	Steady Yellow	Operating at the speed		
	LED		of 10Mbps.		
		Steady Green	Operating at the speed		
		-	of 100Mbps.		
2	WLAN Link/Act	Steady Green	More than 1 wireless		
	LED		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 t			
		device.			
		Off	No power is supplied to		
			the device.		
5	Antenna	2dbi antenna			
6	LAN RJ45	Use an RJ45	5 Ethernet cable for		
	Ethernet Port	connection.			
7	DC 3.3V 3A	Power input of 3.	.3VDC		
8	Reset button	Push button:			
		 2s to reboot y 	your device		
		 between 2s to 	o 10s to restore to its		
		factory defau	lt		
			tching between the		
		different mod	les		

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Manual Revision by Daniel Manual Number: M-0505-VI.IC 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 trut to correct the interference by one groups of the following messure:

- encouraged to try to correct the interference by one or more of the following measures:
 Reorient or relocate the receiving antenna.
 Connect the computer into an outlet on a circuit different from that to which the Increase the separation between the computer and receiver. Consult the dealer or an experienced radio / TV

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

- (1) This device may not cause harmful interference, and
 (2) This device must accept any interference received, including interference that may cause undesired (1) (2)
- 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:
- 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). 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). b.
- The trans mitter shall not be collocated with other transmitters or antennas.

ICES 003 Statement

ICES 003 Statement This Class B digital apparatus complets 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; ETS 180 20 328-2: 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. <u>Conducted Emission Standards</u>; ETS 300 326: Nov. 1997. Immunity Standards; IEC 801-2; IEC 801-3; IEC 801-4 Low Voltage Directive; EN 60 950:1992+A1: 1993+A2; 1995+A4; 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

Address:840 Columbia Street, Suite B Brea, CA 92821, USA

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WARRAN Register via the Internet	om.sg	[M-0088-V2.4C]	COMPEX networks@work						
To activate the war	To activate the warranty, please complete this card and return to Compex within ninety 9 days from the date of purchase.								
Please e-mail this wa	arranty card to support@c	compex.co	m.sg.						
Product:	Purchase Date:	Model:		Serial No:					
Name:			E-mail	•					
Company:									
Address:									
Postal/Zip Code:			Count	ry:					
Phone: ()									

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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