

QUICK START GUIDE

# WK-1-C Access Point

802.11ac dual band access point

Version 1.0



SectorMaxx™



TruStream™



SmartWav™



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## Package Contents

Please refer to the installation manual of your product.

### **WK-1-C**

- 802.11ac Dual Band Access Point
- Built in 2x2 internal antennas
- Powered by PoE+
- 2 LAN ports for Network Extensions

### **System Requirements**

Windows or Mac PC with an Ethernet interface.

### **WK-1-C Default Settings**

Operation Mode: Access Point

IP Address: **192.168.1.250**

Username/Password: **pakedge/pakedgea**

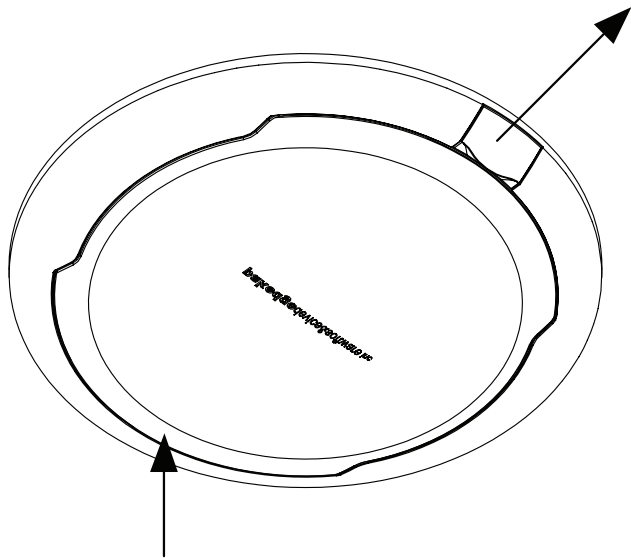
SSID: **Pakedge2.4-1 and Pakedge5-1**

Power Output: **High**

Security: **Disabled**

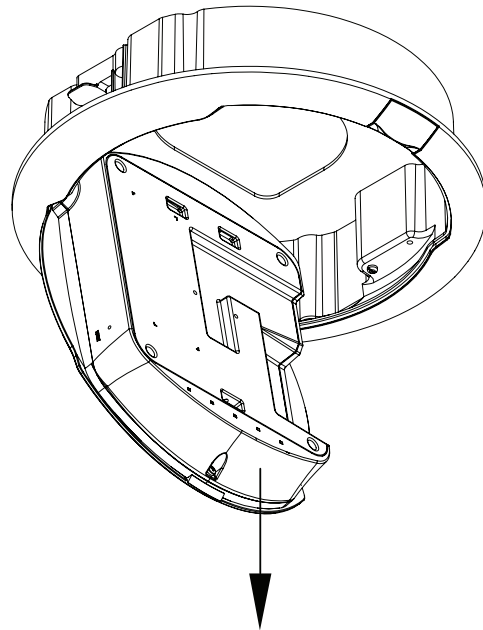
## WK-1-C Mounting

1. Open the release latch and push on the back of WK-1-C to swing the WAP out from the ceiling/wall bracket.

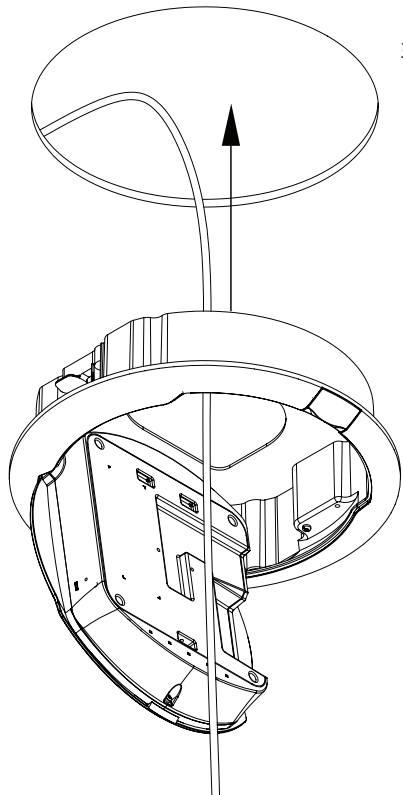


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2. Swing WAP down.

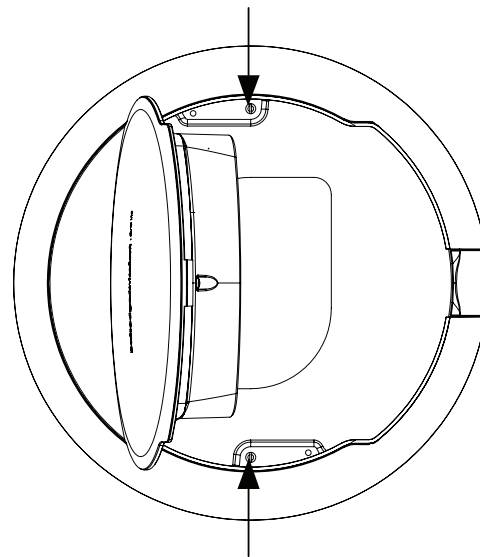


5



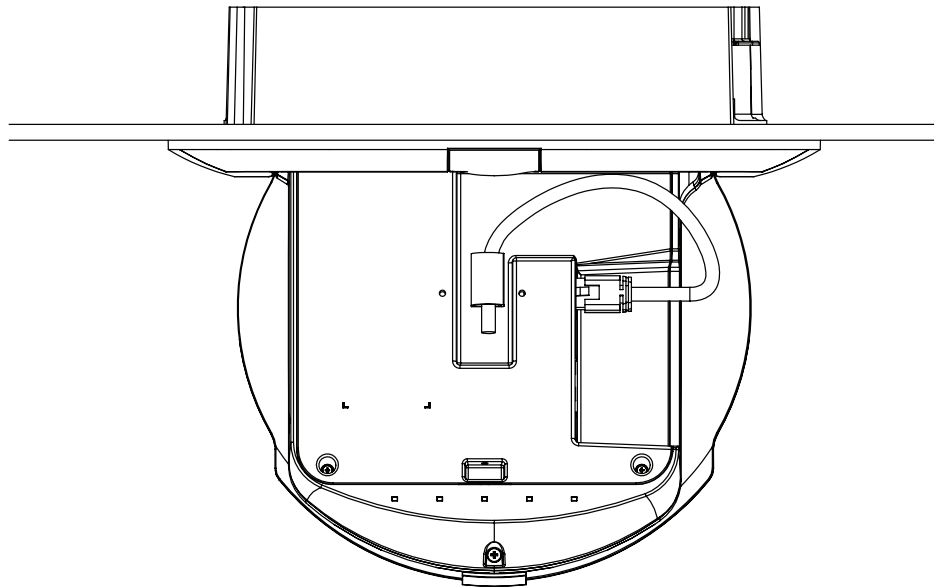
3. Using the supplied template, cut a 9.125" diameter circle at the desired mounting location for your WK-1-C. Route an in-wall Ethernet cable through the opening on the back of WK-1-C housing. Insert the WK-1-C into the ceiling/wall.

4. Use a Phillips screwdriver to tighten the mounting ears. Use a clockwise rotation.

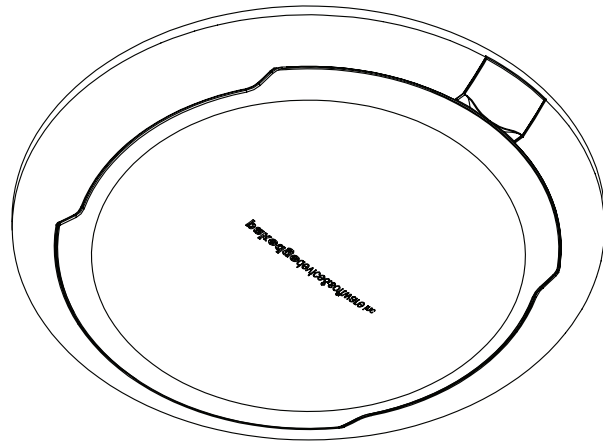


**NOTE:** Do not use excessive force when tightening the mounting-ears. This can strip the mounting ears and render them non-functional.

5. Plug Ethernet cable into WK-1-C. Route Ethernet cable as shown. Use optional cable clip if necessary.



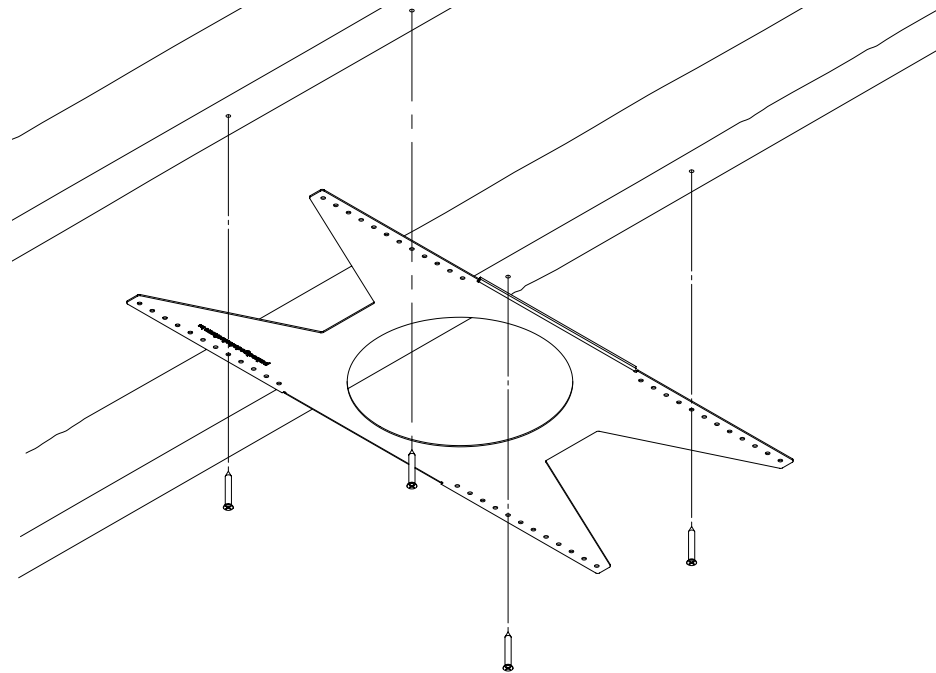
6. Swing WAP back into WK-1-C housing.



### WK-1-C installation with optional pre-construction bracket

Pre-construction bracket sold separately.

1. Place the pre-construction bracket against the bottom of the ceiling studs at the desired mounting location.
2. Mark locations for mounting screws. Drill 1/16" pilot holes at marked locations. Secure pre-construction bracket to ceiling studs using the provided hardware.
3. Install sheet rock over pre-construction bracket. Make note of where the cutout on the pre-construction bracket is when installing the drywall.
4. Cut opening in sheet rock using the cutout on the pre-construction bracket as a guide.

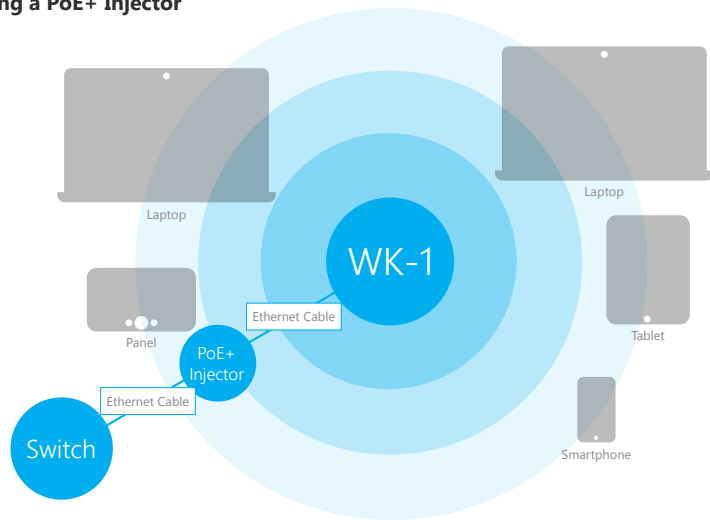


**Note:** the Pakedge logo should be facing outwards.

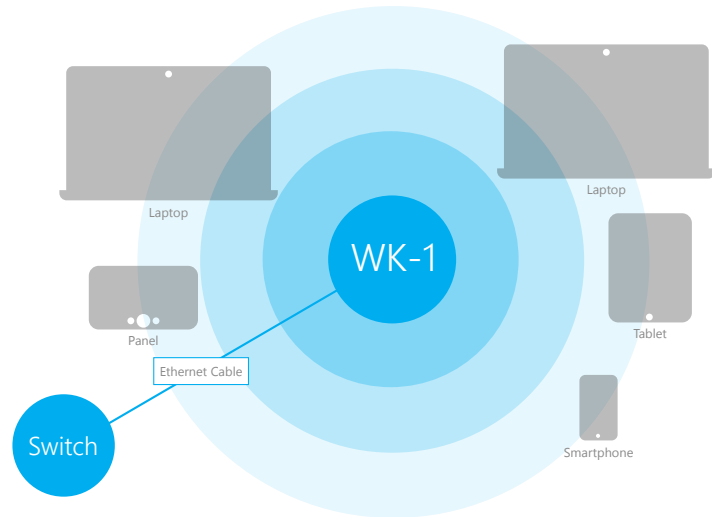
## Powering Up the Access Point

The access point can be powered via PoE+ or by the included power adapter. Please see below for examples:

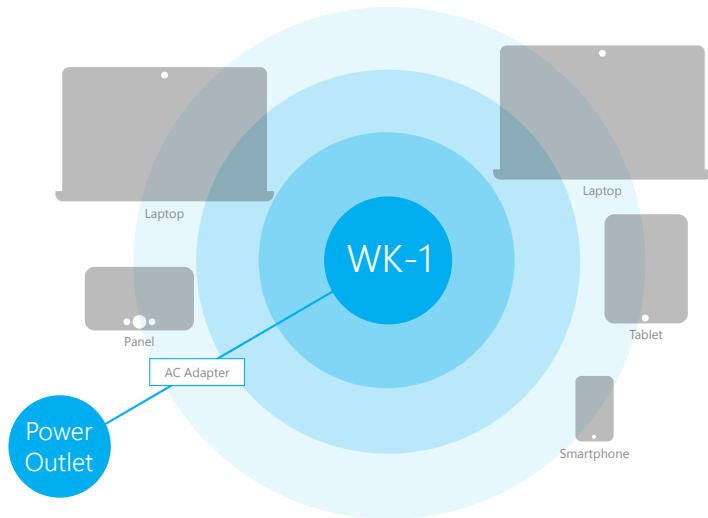
### Power Using a PoE+ Injector



### Power using a PoE+ Switch



## Power using the included power adapter



The Wireless Access Point should now be up and running with its default settings. It does not need to be configured to be functional. To make changes to the SSID and security settings, you need to access the WK-1-C using a web browser.

## Configuring the Hardware

### Step 1: Login

There are two options to log in to the unit:

#### Option 1:

Connect a computer to the WK-1-C through an Ethernet cable. Enter 192.168.1.250 into the address bar of your web browser. You should see a login page. In the username box, type pakedge. In the password box, type pakedgea and click Login.



**NOTE:** If your computer is not set to the default IP scheme of the WK-1-C (192.168.1.X), you must first configure the TCP/IP settings on your computer to log in to the WK-1-C through a web browser.



## Using Windows 7

Under Control Panel – Network and Internet, click on **View Network Status and Tasks**.

On the left panel, click on **Change Adapter Settings** and right-click **Local Area Connection**. Select **Properties**.

Select **Internet Protocol Version 4 (TCP/IPv4)** and click **Properties**.

Select **Use The Following IP Address** and enter the following information:

IP Address: **192.168.1.10**

Subnet Mask: **255.255.255.0**

Additional settings can be left blank.

Click **OK** and **Close**

Internet Protocol Version 4 (TCP/IPv4) Properties

General

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.

☐ Obtain an IP address automatically

☒ Use the following IP address:

IP address: 192 . 168 . 1 . 10

Subnet mask: 255 . 255 . 255 . 0

Default gateway: . . . .

☐ Obtain DNS server address automatically

☒ Use the following DNS server addresses:

Preferred DNS server: . . . .

Alternate DNS server: . . . .

☐ Validate settings upon exit

Advanced...

OK Cancel

Following page will display when logged in:

WK-1

Status Network Management Maintenance Logout

Thu 05/07/2015  
Welcome to your  
WK-1

Wireless LAN

LAN MAC 00:00:00:00:00:00	Wireless LAN - 2.4GHz MAC 00:00:00:00:00:00	Wireless LAN - 5GHz MAC 00:00:00:00:00:00	IP Address 192.168.1.250	Subnet Mask 255.255.255.0	Gateway 192.168.1.99
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2.4 GHz

5 GHz

Wireless LAN Information		Wireless LAN Information	
Operation Mode	Access Point	Operation Mode	Access Point
Wireless Mode	802.11 G/N-Mixed	Wireless Mode	802.11 A/N/AC-Mixed
Channel Bandwidth	20/40 MHz	Channel Bandwidth	80 MHz
Channel	6	Channel	44

## Second Option

You can use the Where's My WAP (WMW) software, which is free to download from the Dealer Portal section of the Pakedge website.

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### Where's My WAP?

**Model**

**MAC Address**

**IP Address**

Re-Scan

This application will automatically scan the network for any Pakedge access point. Once the application finds the access points, you will have the option to change their IP addresses by clicking on the pencil icon.




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### Where's My WAP?

**Model**

**MAC Address**

**IP Address**

WX-01 Wireless Access Point	90:aa:cc:00:00:00	192.168.1.240	
WK-01 Wireless Access Point	90:aa:cc:00:00:00	192.168.1.241	
W7 Wireless Access Point	90:aa:cc:00:00:00	192.168.1.242	

Re-Scan

**NOTE:** If you plan on using multiple access points at your home, remember that they all come with the same IP address by default.

Once you are logged in to the AP, hover over **Network** and click on **LAN**.

LAN

IP Network Setting	Static address ▼
IP Address	192.168.1.250
Subnet Mask	255.255.255.0 ▼
Gateway	192.168.1.99
Use custom DNS servers	8.8.8.8 +

## Step 2: Radio

The first tab under Wireless is **Radio**. By default, the WK-1-C operates in Access Point Mode. The mode can be set for either the 2.4 or the 5 GHz band. The available modes for the WK-1-C are: Access Point, WDS Root Access Point, WDS Repeater and WDS Bridge.

Wireless

Radio Security Profiles Configuration Guest Network

Country Code US - United States ▼ Country Code will be locked after you click Apply button.

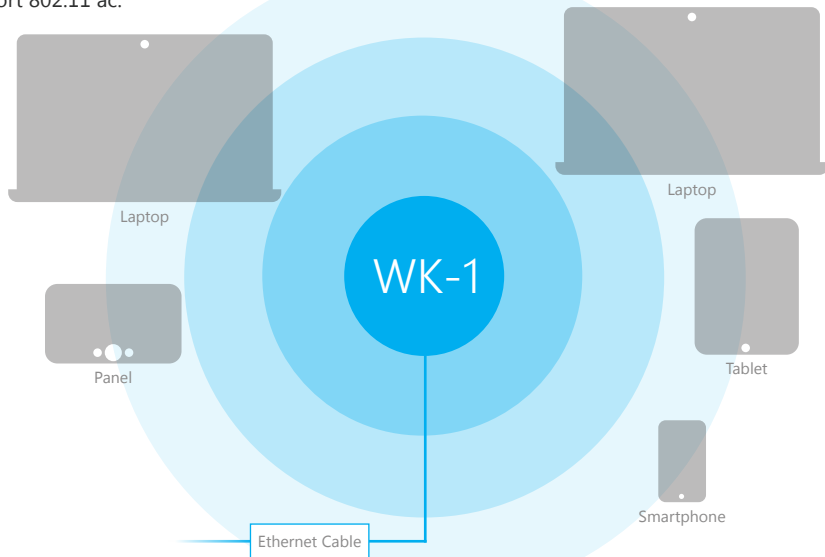
	2.4GHz	5GHz
Operation Mode	Access Point ▼	Access Point ▼
Wireless Mode	G/N-Mixed ▼	A/N/AC-Mixed ▼
Channel Mode	HT 20/40 MHz ▼	VHT 80 MHz ▼
Channel	Auto ▼	Auto ▼
AP Detection	Scan	Scan

Apply

**NOTE:** That once you apply a country code, you cannot change it unless you reset the WK-1-C to factory default.

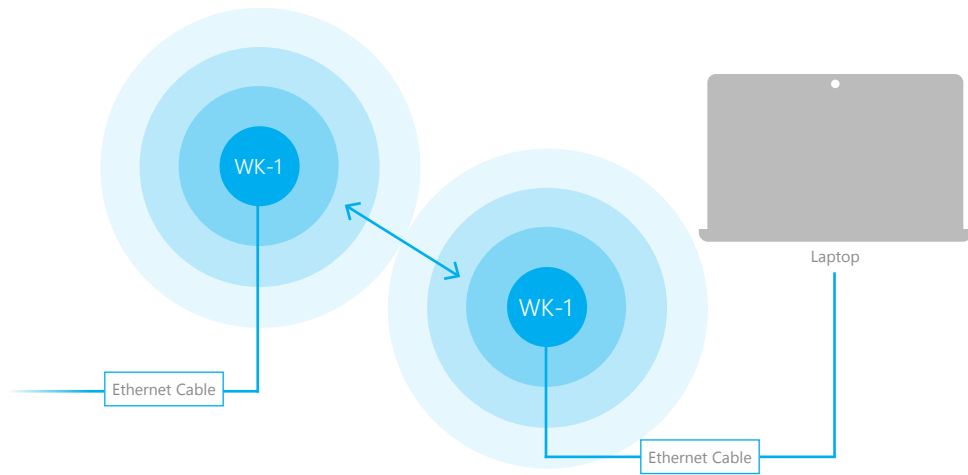
## Access Point Mode

In Access Point Mode, the WK-1-C broadcasts both 2.4 GHz and 5 GHz signals to stations that support 802.11 ac.



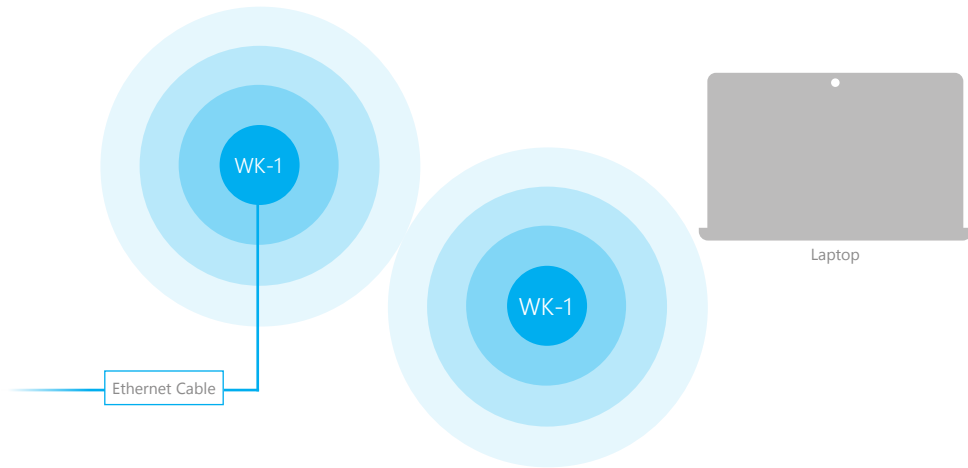
## WDS Bridge Mode

In WDS Bridge Mode, you can connect the WK-1-C to a client by its Ethernet port. The WK-1-C will receive the wireless signal from an access point and send the signal, through its Ethernet port, to the client. A separate WK-1-C must be in WDS Root Access Point mode for this setting to operate.



## WDS Repeater Mode

WDS Repeater Mode can be used to connect two WK-1-C access points wirelessly and extend your wireless network coverage. A separate WK-1-C must be in WDS Root Access Point mode for this setting to operate.



Refer to the user manual for information on the other operating modes.

## Step 3: Security Profiles

The next tab over is the **Security Settings**. You can change the SSID and security settings for 2.4 GHz and 5 GHz.

The screenshot shows the 'Wireless' configuration page with the 'Security Profiles' tab selected. The page displays a table of security profiles with columns for Profile Name, Encryption, Password, and Manage.

Profile Name	Encryption	Password	Manage
Pakedge Default	No Encryption		In Use
Test 1	WPA2 PSK	.....	Delete
Test 2	WPA2 PSK	.....	Delete
Test 3	WPA PSK	.....	Delete

Below the table is a button labeled 'Add Wireless Security Profile'. At the bottom of the page is an 'Apply' button.

The most secure and common mode is WPA2-PSK.

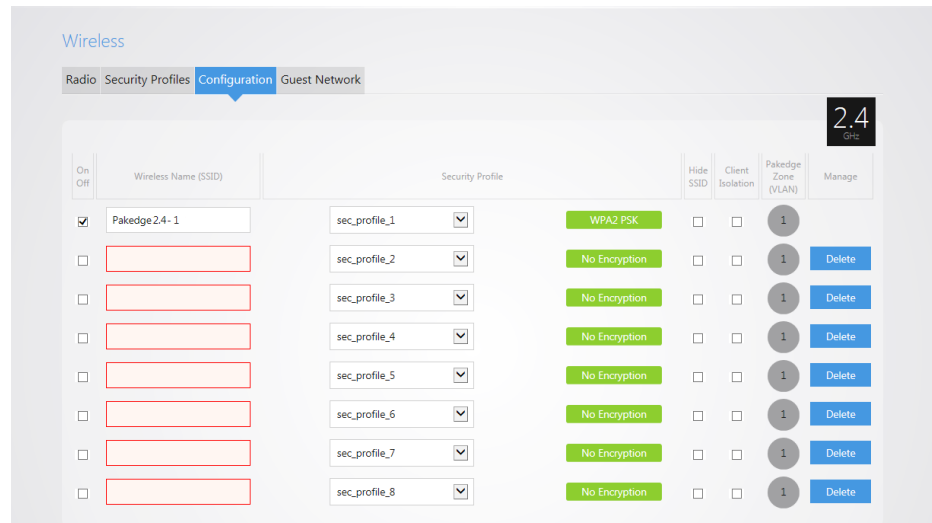


This setting is known to be the most secure and is compatible with all the latest devices.

**NOTE:** When choosing the security settings, consider your client devices. Older laptops or phones do not support WPA2 security. Also, some devices are only compatible with certain security types. You may want to reference your device specifications.

## Step 4: Configuration

In this section, you can change the SSID name by applying the security profile that was set up in step 4. By default, the SSID is Pakedge2.4-1 and Pakedge5-1. You will have the option to change the name and add security profiles by selecting the options from the drop-down menu.



5  
GHz

On/Off	Wireless Name (SSID)	Security Profile	Hide SSID	Client Isolation	Pakedge Zone (VLAN)	Manage
<input checked="" type="checkbox"/>	Pakedge5 - 1	sec_profile_9			1	
<input type="checkbox"/>		sec_profile_10			1	Delete
<input type="checkbox"/>		sec_profile_11			1	Delete
<input type="checkbox"/>		sec_profile_12			1	Delete
<input type="checkbox"/>		sec_profile_13			1	Delete
<input type="checkbox"/>		sec_profile_14			1	Delete
<input type="checkbox"/>		sec_profile_15			1	Delete
<input type="checkbox"/>		sec_profile_16			1	Delete

## Guest Network

This will allow you to set up a guest network. Please see manual for further details.

Wireless

Radio Security Profiles Configuration **Guest Network**

SSID

Radio

On/Off

Wireless Name (SSID)

Security Profile

2.4GHz

☐

Guest-2.4GHz

sec\_profile\_17

No Encryption

5GHz

☐

Guest-5GHz

sec\_profile\_18

No Encryption

Manual IP Settings

IP Address

192.168.200.1

Subnet Mask

255.255.255.0

Automatic DHCP Server Settings

Starting IP Address

192.168.200.100

Ending IP Address

192.168.200.250

DNS Server IP

8.8.8.8



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