

OAP1750

User Manual

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OVERVIEW

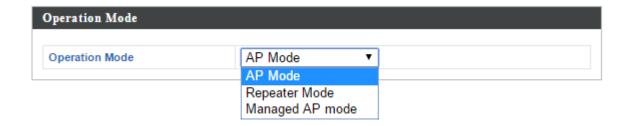
Your access point can function in three different modes.

The default mode for your access point is **AP mode**.

AP mode is a regular access point for use in your wireless network.

Managed AP mode acts as a "slave" AP within the AP array (controlled by the AP Controller "master").

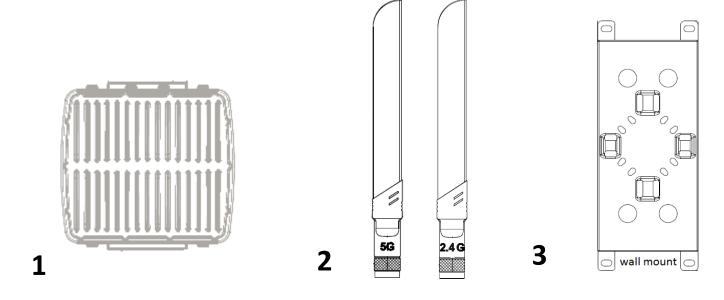
In **Repeater mode** the access point connects wirelessly to your existing 2.4GHz and/or 5GHz network and repeats the wireless signal(s).



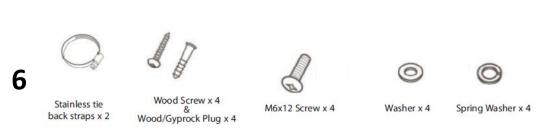


I. Product Information

I-1. Package Contents



4 5



1. Access Point

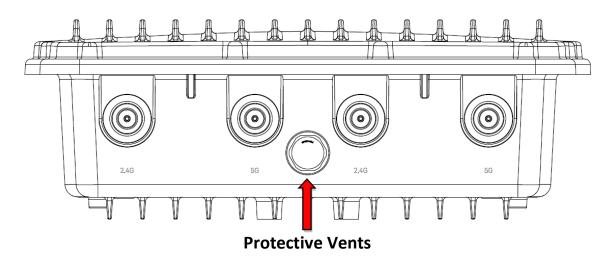
- 4. CD
- 2. Antennas (2.4G x 3 & 5G x 3)
- 5. Quick Installation Guide
- 3. Wall Mount Bracket x 1
- 6. Wall/Pole Mount Screws Kits

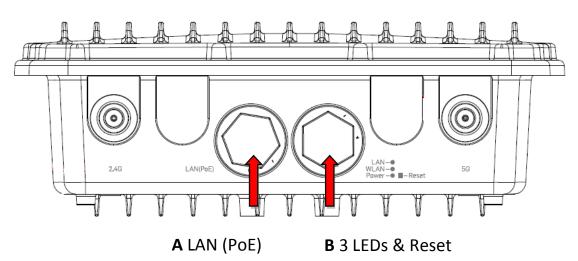


I-2. System Requirements

- Existing cable/DSL modem & router
- Computer with web browser for access point configuration

I-3. Hardware Overview





- **A.** LAN port with Power over Ethernet (PoE PD)
- **B.** 3 LEDs + Reset M-smart interface



I-4. LED Status

LED Behavior				
Power	Green	The access point is on.		
Power	Off	The access point is off.		
	Green	LAN port is connected.		
LAN	Flashing	Activity (transferring and receiving)		
	Off	LAN port is unconnected.		
	Green	Wireless enabled.		
Wireless	Flashing	Activity (transferring and receiving)		
	Off	Wireless disabled.		

I-5. Reset

If you experience problems with your access point, you can reset the device back to its factory settings. This resets all settings back to default.

1. Press and hold the reset button on the access point for at least 10 seconds. Then release the button.



You may need to use a pencil or similar sharp object to push the teset button.

2. Wait for the access point to restart. The access point is ready for setup when the LED is green.



I-6. Safety Information

In order to ensure the safe operation of the device and its users, please read and act in accordance with the following safety instructions.

- 1. Do not place the access point in or near hot/humid places, such as a kitchen or bathroom.
- 2. Do not pull any connected cable with force; carefully disconnect it from the access point.
- 3. Handle the access point with care. Accidental damage will void the warranty of the access point.
- 4. The device contains small parts which are a danger to small children under 3 years old. Please keep the access point out of reach of children.
- 5. Do not place the access point on paper, cloth, or other flammable materials. The access point may become hot during use.
- 6. There are no user-serviceable parts inside the access point. If you experience problems with the access point, please contact your dealer of purchase and ask for help.
- 7. If you smell burning or see smoke coming from the access point or power adapter, then disconnect the access point and power adapter immediately, as far as it is safely possible to do so. Call your dealer of purchase for help.



II. Hardware Installation



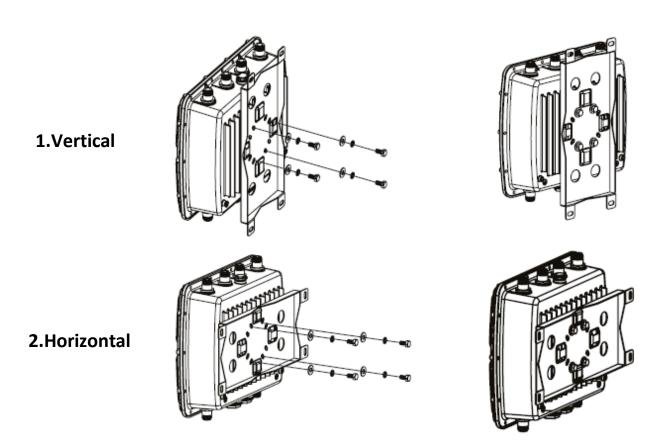
When using the access point in AP mode it is recommended to **configure some basic settings as shown in** III. Quick Setup **before** hardware installation.

The access point includes a mount for wall or pole which requires some assembly.

Attach the mount to the back of the access point using the twelve included M6 screws and four washers, as shown below.



Ensure your access point is securely attached to the wall mount bracket.





II-1. Wall Mount

1. Attach the mount and access point to a wall using the included wood screws and plugs.







II-2. Pole Mount

1. Fix the mount and access point to a pole using the included stainless tie back straps.

Type 1 Type 2 Type 3



III. Quick Setup

The Long Range 802.11ac Dual-Band Concurrent Outdoor Access Point features a range of powerful functions:

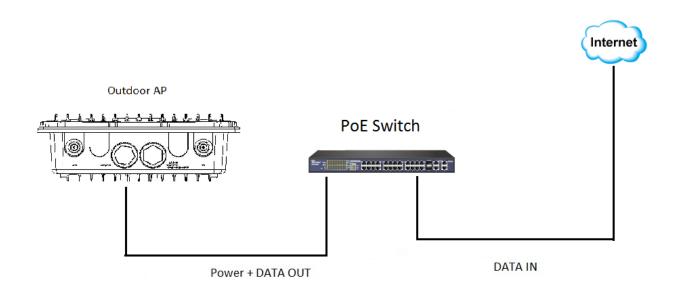
- 802.11ac Dual-band Concurrent high speed wireless technology
- 32 SSIDs for Management
- SNMP v1/v2c/v3

Your access point can be up and running in just a few minutes. It can function as a standalone access point (AP mode) or as part of an AP array (Managed AP mode).

For use a Managed AP in an AP array, the access point will automatically switch mode when an AP Controller is configured as described in III-2. Edimax Pro NMS.

III-1. AP Mode Initial Setup

1. Connect the access point to a PoE Switch or PoE Injector via Ethernet cable which can supply power and data out.



2. Please wait a moment for the access point to start up. The access point is ready when the LED is **green**.



3. Set your computer's IP address to 192.168.2.x where x is a number in the range **3 – 100**.

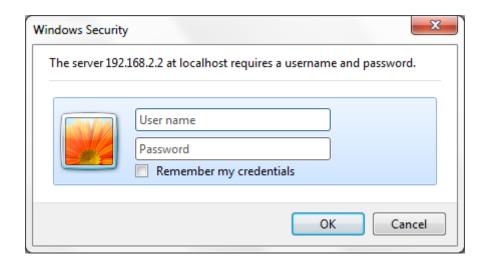


Please ensure there are no other active network connections on byour computer (disconnect Wi-Fi connections and Ethernet cables).

4. Enter the access point's default IP address 192.168.2.2 into the URL bar of a web browser.

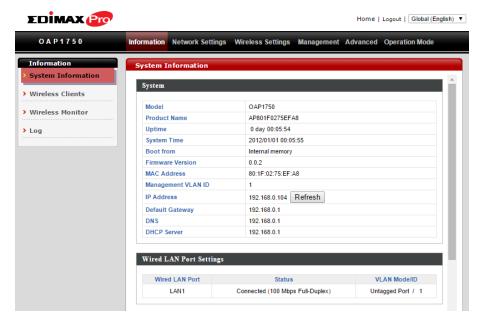


5. You will be prompted for a user name and password. Enter the default username "admin" and the default password "1234".



6. You will arrive at the "System Information" screen shown below.





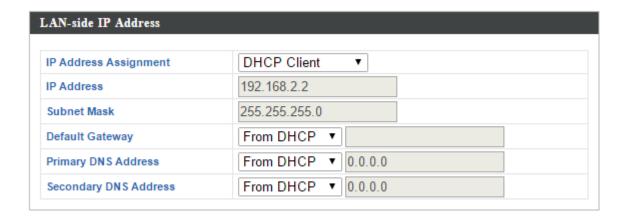
The next steps will help you to configure the following basic settings of the access point:

- LAN IP Address
- 2.4GHz & 5GHz SSID & Security
- Administrator Name & Password
- Time & Date



It is recommended you configure these settings before using the access point.

To change the access point's LAN IP address, go to "Network Settings" >
 "LAN-side IP Address" and you will see the screen below.



2. Enter the IP address settings you wish to use for your access point. You can use a dynamic (DHCP) or static IP address, depending on your network



environment. Click "Apply" to save the changes and wait a few moments for the access point to reload.

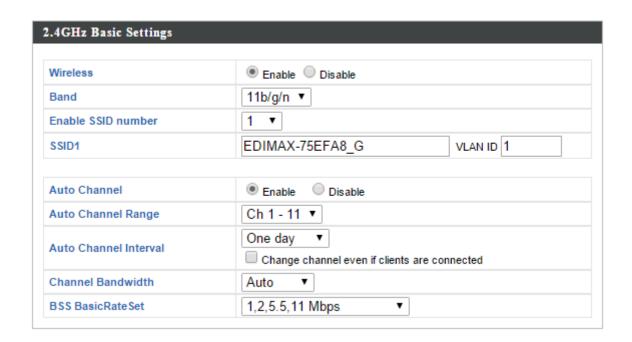


When you change your access point's IP address, you need to use the new IP address to access the browser based configuration interface instead of the default IP 192.168.2.2.

3. To change the SSID of your access point's 2.4GHz wireless network(s), go to "Wireless Settings" > "2.4GHz 11bgn" > "Basic". Enter the new SSID for your 2.4GHz wireless network in the "SSID1" field and click "Apply".



To utilize multiple 2.4GHz SSIDs, open the drop down menu labelled "Enable SSID number" and select how many SSIDs you require. Then enter a new SSID in the corresponding numbered fields below, before clicking "Apply".

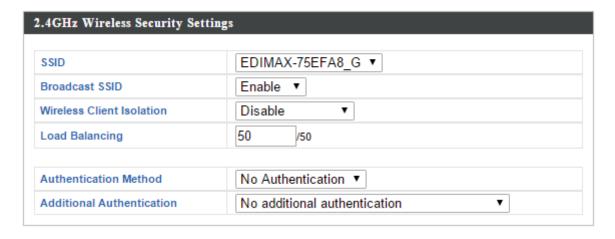


4. To configure the security of your access point's 2.4GHz wireless network(s), go to "Wireless Settings" > "2.4GHz 11bgn" > "Security". Select an "Authentication Method" and enter a "Pre-shared Key" or "Encryption Key" depending on your choice, then click "Apply".

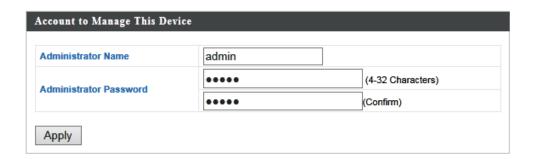


If using multiple SSIDs, specify which SSID to configure using the 🏜 "SSID" drop down menu.



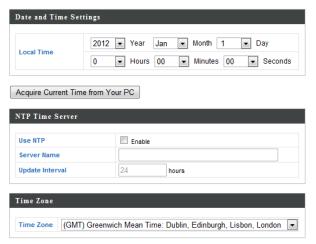


- **5.** Go to "Wireless Settings" > "5GHz 11ac 11an" and repeat steps 3 & 4 for the access point's 5GHz wireless network.
- **6.** To change the administrator name and password for the browser based configuration interface, go to "Management" > "Admin".



- **7.** Complete the "Administrator Name" and "Administrator Password" fields and click "Apply".
- **8.** To set the correct time for your access point, go to "Management" > "Date and Time Settings".





9. Set the correct time and time zone for your access point using the drop down menus. The access point also supports NTP (Network Time Protocol) so alternatively you can enter the host name or IP address of a time server. Click "Apply" when you are finished.



You can use the "Acquire Current Time from your PC" button if byou wish to set the access point to the same time as your PC.

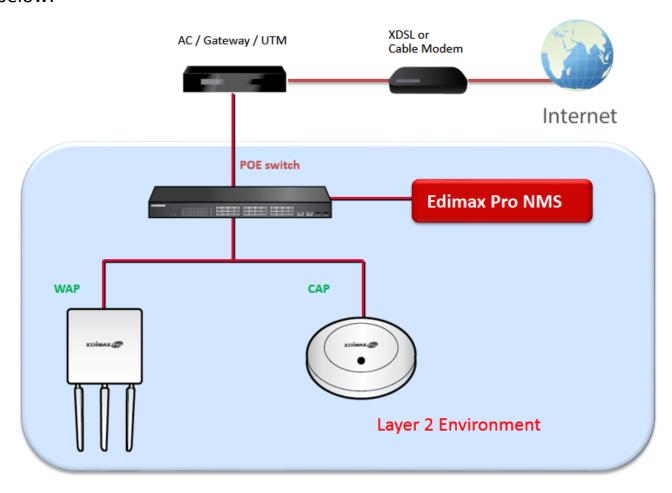
10. The basic settings of your access point are now configured.



III-2. Edimax Pro NMS

Edimax Pro Network Management Suite (NMS) supports the central management of a group of access points, otherwise known as an AP Array. NMS supports up to 16 Edimax Pro access points with no additional wireless controller required or 32 access points with the APC 500 AP controller reducing costs and facilitating efficient remote AP management.

Edimax Pro NMS is simple to setup. An overview of the system is shown below:



One AP (access point) is designated as the AP Controller (master) and other connected Edimax Pro APs are automatically designated as Managed APs (slaves). Using Edimax Pro NMS you can monitor, configure and manage all Managed APs (up to 32) from the single AP Controller.

The OAP1750 functions as a Managed AP and cannot act as an AP Controller.

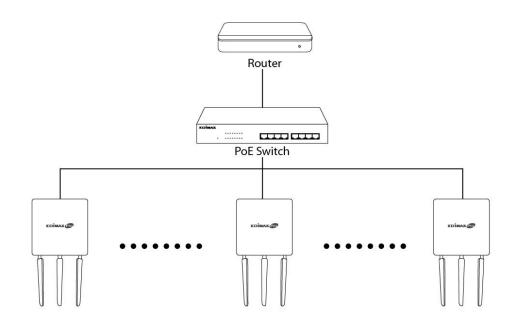


When using an Edimax NMS AP controller, other connected APs are automatically set to Managed APs. In the case that the AP Controller cannot find your OAP1750 as a Managed AP, you can configure the setting manually as below:

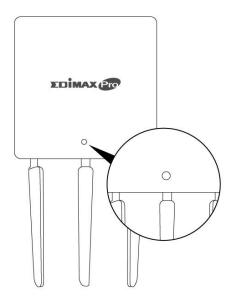
1. Ensure all APs including your OAP1750 are connected to an Ethernet or PoE switch which is connected to a gateway/router.



You can use your router as a DHCP server or you can later configure your AP Controller as a DHCP server.

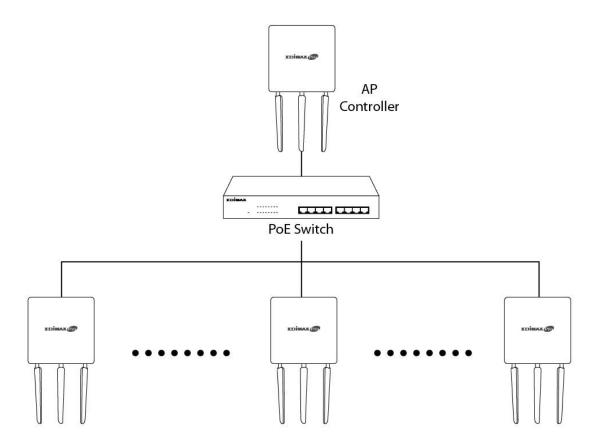


2. Ensure all APs are powered on and check LEDs.

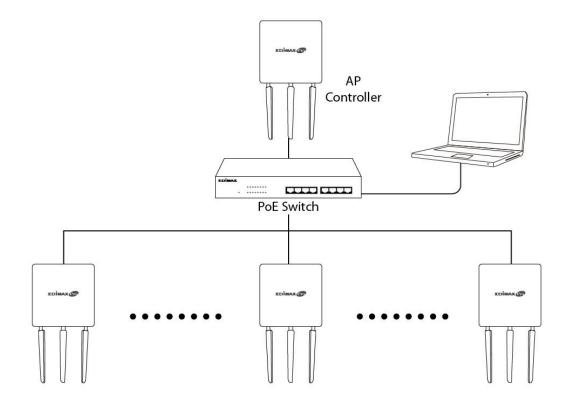




3. Ensure you have setup and designated one AP as the AP Controller which will manage all other connected APs (up to 32 depending on model).



4. Connect a computer to the OAP1750 via PoE switch using an Ethernet cable.

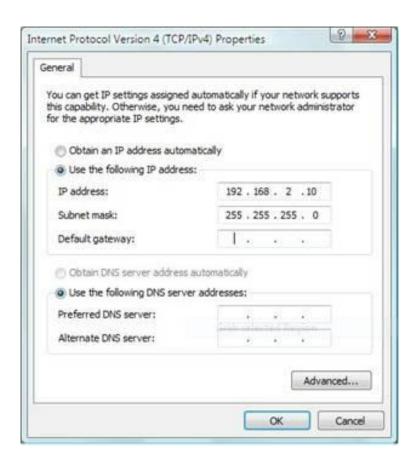




5. Open a web browser and enter the OAP1750's IP address in the address field. The default IP address is 192.168.2.2



Your computer's IP address must be in the same subnet as the OAP1750. Refer to the user manual for more help.

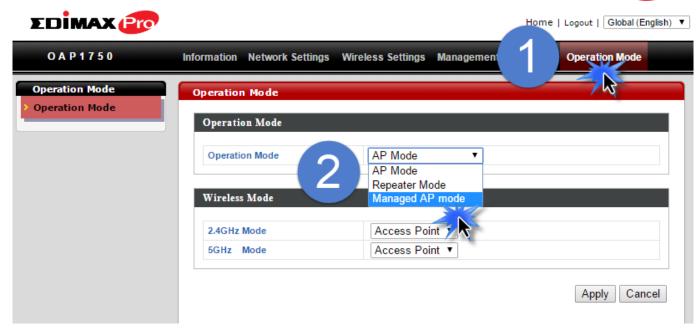




If you changed the AP Controller's IP address, or if your gateway/router uses a DHCP server, ensure you enter the correct IP address. Refer to your gateway/router's settings.

- **6.** Enter the username & password to login. The default username & password are admin & 1234.
- 7. You will arrive at the Edimax Pro NMS Dashboard. Go to "Operation Mode" and select "Managed AP Mode" from the drop down menu.





8. Click "Apply" to save the settings and your AP Controller & Managed APs should be fully functional. Use Edimax NMS on your AP controller to manage & monitor your Managed APs.



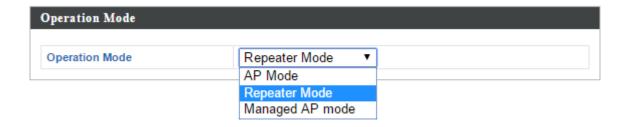
Refer to your AP controller's user manual for help with Edimax NMS.



III-3. Repeater Mode

When you set the **operation mode** to **repeater mode**, the AP will not get an IP address from the router/root AP. You will need to set your computer's IP address and use the APs default IP address to access the UI for the first time, refer to **Appendix** for more help.

Wireless Settings → Wireless Extender displays details about the APs wireless connection in repeater mode and enables you to connect to a source SSID and configure the new (repeater) SSID. Settings are saved as **profiles**.

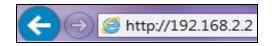


1. Set your computer's IP address to **192.168.2.x** where \mathbf{x} is a number in the range $\mathbf{3} - \mathbf{100}$.



Please ensure there are no other active network connections on your computer (disconnect Wi-Fi connections and Ethernet cables).

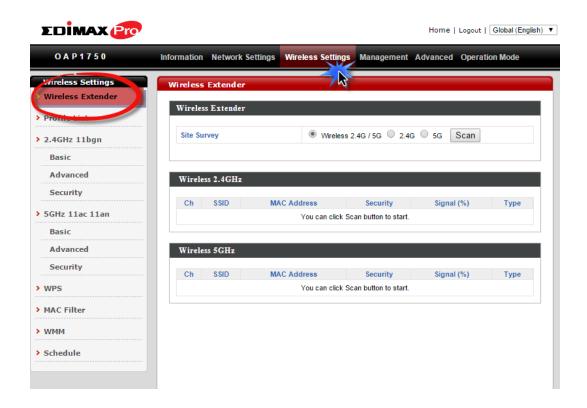
2. Enter the access point's default IP address **192.168.2.2** into the URL bar of a web browser.



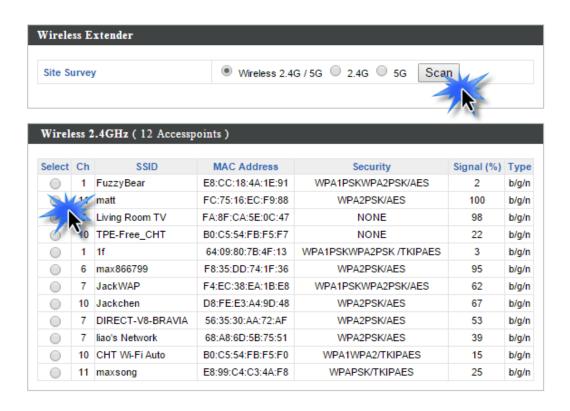
3. You will be prompted for a user name and password. Enter the default username "admin" and the default password "1234".



4. Go to Wireless Settings → Wireless Extender.

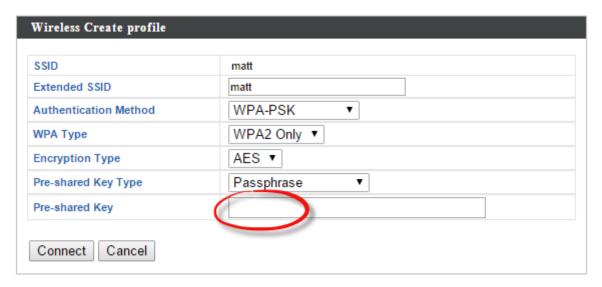


5.Click **Scan** to search for and display available SSIDs and click **Select** to connect to an available source SSID. SSIDs can be configured independently for each frequency 2.4GHz & 5GHz.

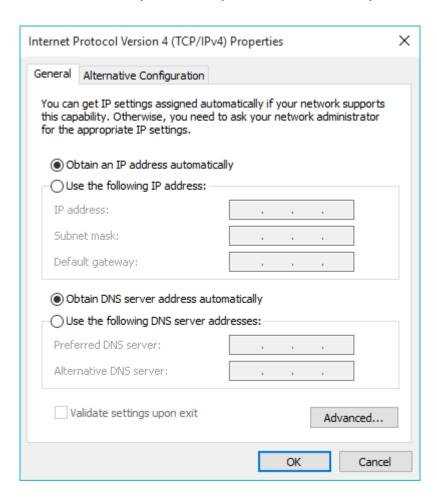




6.Edit the new **extended** SSID according to your preference and enter the security details for the source SSID, and then click **Connect**.



7. The AP in repeater mode will establish a connection to the source SSID and repeat the extended SSID. The repeater AP will become a DHCP client of the router/root AP. Switch your computer back to a dynamic IP address.





8.To access the web U.I. use the URL http://edimax.setup.com when connected to the same network as the repeater, or check your router/root AP's settings to determine the repeater's new IP address.





IV. **Browser Based Configuration Interface**

In Managed AP mode some functions of the browser based 🣤 configuration interface are disabled. Please use Edimax Pro NMS on your Controller AP to configure your Managed AP(s).

The browser-based configuration interface enables you to configure the access point's advanced features. The OAP1750 features a range of advanced functions such as MAC filtering, MAC RADIUS authentication, VLAN configurations, up to 32 SSIDs and many more. To access the browser based configuration interface:

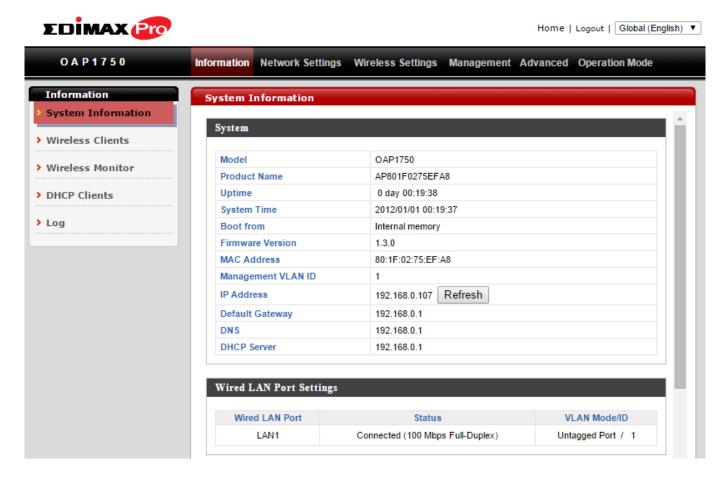
- 1. Connect a computer to your access point using an Ethernet cable.
- 2. Enter your access point's IP address in the URL bar of a web browser. The access point's default IP address is 192.168.2.2.
- **3.** You will be prompted for a username and password. The default username is "admin" and the default password is "1234", though it was recommended that you change the password during setup (see III-2. Basic Settings).



If you cannot remember your password, reset the access point back to its factory default settings. Refer to 1-5. Reset

4. You will arrive at the "System Information" screen shown below.





5. Use the menu across the top and down the left side to navigate. Click "Apply" to save changes and reload the access point, or "Cancel" to cancel changes.





Please wait a few seconds for the access point to reload after you 🃤 "Apply" changes, as shown below.

Configuration is complete. Reloading now... Please wait for 23 seconds.

6. Please refer to the following chapters for full descriptions of the browser based configuration interface features.



IV-1. Information

Information Network Settings Wireless Settings Management Advanced Operation Mode



Screenshots displayed are examples. The information shown on your screen will vary depending on your configuration.

IV-1-1. System Information

System Information

The "System Information" page displays basic system information about the access point.

Model	OAP1750
Product Name	AP801F0275EFA8
Uptime	0 day 00:38:18
System Time	2012/01/01 00:55:18
Boot from	Internal memory
Firmware Version	1.3.0
MAC Address	80:1F:02:75:EF:A8
Management VLAN ID	1
IP Address	192.168.0.107 Refresh
Default Gateway	192.168.0.1
DNS	192.168.0.1
DHCP Server	192.168.0.1



Wired LAN Port Settings

Wired LAN Port	Status	VLAN Mode/ID
LAN1	Connected (100 Mbps Full-Duplex)	Untagged Port / 1

Wireless 2.4GHz

Status	Enabled	
MAC Address	80:1F:02:75:EF:A8	
Channel	Ch 2 (Auto)	
Transmit Power	100%	
RSSI	-91/-83/-80	

Wireless 2.4GHz /SSID

SSID	Authentication Method	Encryption Type	VLAN ID	Additional Authentication	Wireless Client Isolation
EDIMAX-75EFA 8_G	No Authentication	No Encryption	1	No additional authentication	Disabled

Wireless 2.4GHz /WDS Disabled

 MAC Address	Encryption Type	VLAN Mode/ID

Wireless 5GHz

Status	Enabled
MAC Address	80:1F:02:75:EF:A9
Channel	Ch 36 + 40 + 44 + 48 (Auto)
Transmit Power	100%
RSSI	0/0

Wireless 5GHz /SSID

SSID	Authentication Method	Encryption Type	VLAN ID	Additional Authentication	Wireless Client Isolation
EDIMAX-75EFA 8_A	No Authentication	No Encryption	1	No additional authentication	Disabled

Wireless 5GHz /WDS Disabled

Encryption Type	VLAN Mode/ID
No WDS entries	
	Encryption Type No WDS entries.

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System	
Model	Displays the model number of the access point.
Product Name	Displays the product name for reference, which consists of "AP" plus the MAC address.
Uptime	Displays the total time since the device was turned on.
Boot From	Displays information for the booted hardware, booted from either USB or internal memory.
Firmware Version	Displays the firmware version.
MAC Address	Displays the access point's MAC address.
Management VLAN ID	Displays the management VLAN ID.
IP Address	Displays the IP address of this device. Click "Refresh" to update this value.
Default	Displays the IP address of the default
Gateway	gateway.
DNS	IP address of DNS (Domain Name Server)
DHCP Server	IP address of DHCP Server.

Wired LAN Port Settings				
Wired LAN Port	Vired LAN Port Specifies which LAN port.			
Status	Displays the status of the specified LAN port			
	(connected or disconnected).			
VLAN Mode/ID	Displays the VLAN mode (tagged or untagged)			
	and VLAN ID for the specified LAN port. See			
	IV-2-3. VLAN			

Wireless 2.4GHz (5GHz)				
Status	Displays the status of the 2.4GHz or 5GHz			
	wireless (enabled or disabled).			
MAC Address	Displays the access point's MAC address.			
Channel	Displays the channel number the specified			
	wireless frequency is using for broadcast.			
Transmit Power	Displays the wireless radio transmit power			
	level as a percentage.			
RSSI	Displays Received Signal Strength Indicator.			



Wireless 2.4GHZ (5GHz) / SSID				
SSID	Displays the SSID name(s) for the specified			
	frequency.			
Authentication	Displays the authentication method for the			
Method	specified SSID. See IV-3. Wireless Settings			
Encryption Type	Displays the encryption type for the specified			
	SSID. See IV-3. Wireless Settings			
VLAN ID	Displays the VLAN ID for the specified SSID.			
	See IV-2-3. VLAN			
Additional	Displays the additional authentication type for			
Authentication	the specified SSID. See IV-3. Wireless Settings			
Wireless Client	Displays whether wireless client isolation is in			
Isolation	use for the specified SSID. See IV-2-3. VLAN			

Wireless 2.4GHZ (5GHz) / WDS Status				
MAC Address	Address Displays the peer access point's MAC address.			
Encryption Type	Displays the encryption type for the specified			
	WDS. See IV-3-1-4. WDS			
VLAN Mode/ID	Displays the VLAN ID for the specified WDS.			
	See IV-3-1-4. WDS			

Refresh	Click to refresh all information.
---------	-----------------------------------

Extender Mode:

C	Occasion
Connection Status	Connected
Source SSID	matt
Extended SSID	matt
Authentication Method	WPA2-PSK
Encryption Type	AES
MAC Address	02:1F:02:75:EF:A8
Channel	Ch 11
Transmit Power	100%
RSSI	-41/-37/-33

Wireless 2.4GHZ (5GHz) / SSID			
Connection Status Current status of the repeater's connection.			
Source SSID Displays the SSID name(s) for the repeate			
	source.		

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Extended SSID	Displays the SSID name(s) of the repeater.
Authentication	Displays the authentication method for the
Method	specified SSID. See IV-3. Wireless Settings
Encryption Type	Displays the encryption type for the specified
	SSID. See IV-3. Wireless Settings
MAC Address	Displays the access point's MAC address.
Channel	Displays the channel number the specified
	wireless frequency is using for broadcast.
Transmit Power	Displays the wireless radio transmit power
	level as a percentage.
RSSI	Displays Received Signal Strength Indicator.



IV-1-2. Wireless Clients

The "Wireless Clients" page displays information about all wireless clients connected to the access point on the 2.4GHz or 5GHz frequency.

Refresh Time				
Auto Refresh Time	5 seconds 1 second Disable			
Manual Refresh	Refresh			

2.4GHz WLAN Client Table								
#	SSID	MAC Address	Tx	Rx	Signal (%)	Connected Time	Idle Time	Vendor
1	EDIMAX-75EFA 8_G	A4:77:33:1E:0C:47	1.5 MBytes	123.7 KBytes	100	6 min 5 secs	0	Google
2	EDIMAX-75EFA 8_G	F8:A9:D0:0B:7D:A8	31.8 KBytes	39.2 KBytes	100	1 min 54 secs	0	LG Electronics

GI	Hz WLAN Clie	it labie						
#	SSID	MAC Address	Tx	Rx	Signal (%)	Connected Time	Idle Time	Vendor
1	EDIMAX-75EFA 8_A	BC:EE:7B:4B:FA:3A	24.8 KBytes	164.7 KBytes	100	1 min 46 secs	0	ASUSTek COMPUTER INC

Refresh time			
Auto Refresh Time Select a time interval for the client table lis			
	automatically refresh.		
Manual Refresh	Click refresh to manually refresh the client		
	table.		

2.4GHz (5GHz) WLAN Client Table			
SSID	Displays the SSID which the client is		
	connected to.		
MAC Address	Displays the MAC address of the client.		
Тх	Displays the total data packets transmitted by		
	the specified client.		
Rx	Displays the total data packets received by		
	the specified client.		



Signal (%)	Displays the wireless signal strength for the
	specified client.
Connected Time	Displays the total time the wireless client has
	been connected to the access point.
Idle Time	Client idle time is the time for which the client
	has not transmitted any data packets i.e. is
	idle.
Vendor	The vendor of the client's wireless adapter is
	displayed here.



IV-1-3. Wireless Monitor

Wireless Monitor is a tool built into the access point to scan and monitor the surrounding wireless environment. Select a frequency and click "Scan" to display a list of all SSIDs within range along with relevant details for each SSID.

Wireless Monitor		
Site Survey	● Wireless 2.4G/ 5G ○ 2.4G ○ 5G Scan	
Channel Survey result	Export	

Win	reless	2.4GHz				
Ch	SSID	MAC Address	Security	Signal (%)	Туре	Vendor
1	Matt	00:E0:4C:81:96:C1	WPA2PSK/AES	100	11b/g/n	REALTEK SEMICONDUCTOR CORP.

Wireless 5GHz						
Ch	SSID	MAC Address	Security	Signal (%)	Туре	Vendor
You can click Scan button to start.						

Wireless Monitor		
Site Survey Select which frequency (or both) to scan, a		
	click "Scan" to begin.	
Channel Survey	After a scan is complete, click "Export" to save	
Result	the results to local storage.	

Site Survey Results			
Ch	Displays the channel number used by the		
	specified SSID.		
SSID	Displays the SSID identified by the scan.		
MAC Address	Displays the MAC address of the wireless		
	router/access point for the specified SSID.		
Security	Displays the authentication/encryption type		
	of the specified SSID.		



Signal (%)	Displays the current signal strength of the SSID.
Туре	Displays the 802.11 wireless networking standard(s) of the specified SSID.
Vendor	Displays the vendor of the wireless router/access point for the specified SSID.



IV-1-4. DHCP Client Table

DHCP Clients

The DHCP client table displays information about DHCP clients when DHCP server is

enabled.

Client Table		
IP Address	MAC Address	Expiration Time
192.168.2.120	A4:77:33:1E:0C:47	Expired

DHCP Client Table	
IP Address	Displays the IP address of listed DHCP client.
MAC Address	Displays the MAC address of listed DHCP client.
Expiration Time	Displays the expiration time for listed DHCP client.



IV-1-5. Log

The system log displays system operation System Log information such as up time and connection processes. This information is useful for network administrators.

A When the log is full, old entries are overwritten. Use the Search function to quickly locate log entries.

All Even	ts/Activities				
Search [☐ Match whole words				
ID 🕶	Date and Time	Category A	Severity A	Users 🔺	Events/Activities
72	2012/01/01 00:04:45	SYSTEM	Low	admin	WLAN[5G], Best channel selection start, switch to channel 36 + 40 + 44 + 48
71	2012/01/01 00:04:41	SYSTEM	Low	admin	WLAN[2.4G], Best channel selection start, switch to channel 2

Save	Click to save the log as a file on your local	
	computer.	
Clear	Clear all log entries.	
Refresh	Refresh the current log.	



The following information/events are recorded by the log:

◆ USB

Mount & unmount

♦ Wireless Client

Connected & disconnected Key exchange success & fail

♦ Authentication

Authentication fail or successful.

Association

Success or fail

♦ WPS

M1 - M8 messages WPS success

- Change Settings
- ◆ System Boot

 Displays current model name
- **♦ NTP Client**
- Wired Link

LAN Port link status and speed status

Proxy ARP

Proxy ARP module start & stop

Bridge

Bridge start & stop.

♦ SNMP

SNMP server start & stop.

♦ HTTP

HTTP start & stop.

♦ HTTPS

HTTPS start & stop.

◆ SSH

SSH-client server start & stop.

Telnet

Telnet-client server start or stop.

♦ WLAN (2.4G)

WLAN (2.4G] channel status and country/region status

♦ WLAN (5G)

WLAN (5G) channel status and country/region status



IV-2. **Network Settings**

Information **Network Settings** Wireless Settings Management Advanced Operation Mode



Screenshots displayed are examples. The information shown on your screen will vary depending on your configuration.

IV-2-1. **LAN-Side IP Address**

The "LAN-side IP address" page allows you to LAN-side IP Address configure your access point on your Local Area Network (LAN). You can enable the access point to dynamically receive an IP address from your router's DHCP server or you can specify a static IP address for your access point, as well as configure DNS servers.



🚹 The access point's default IP address is 192.168.2.2.

IP Address Assignment	DHCP Client ▼
IP Address	192.168.2.2
Subnet Mask	255.255.255.0
Default Gateway	From DHCP ▼
Primary DNS Address	From DHCP ▼ 0.0.0.0
Secondary DNS Address	From DHCP ▼ 0.0.0.0

LAN-side IP Address		
IP Address	Select "DHCP Client" for your access point to	
Assignment	be assigned a dynamic IP address from your router's DHCP server, or select "Static IP" to manually specify a static/fixed IP address for your access point (below).	
IP Address	Specify the IP address here. This IP address will be assigned to your access point and will replace the default IP address.	
Subnet Mask	Specify a subnet mask. The default value is 255.255.255.0	



Default Gateway	For DHCP users, select "From DHCP" to get
	default gateway from your DHCP server or
	"User-Defined" to enter a gateway manually.
	For static IP users, the default value is blank.

DHCP users can select to get DNS servers' IP address from DHCP or manually enter a value. For static IP users, the default value is blank.

Primary Address	DHCP users can select "From DHCP" to get primary DNS server's IP address from DHCP or "User-Defined" to manually enter a value. For static IP users, the default value is blank.	
Secondary Address	Users can manually enter a value when DNS server's primary address is set to "User-Defined".	

39



IV-2-2. LAN Port

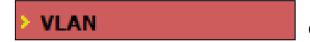
The "LAN Port" page allows you to configure the settings for your access point's two wired LAN (Ethernet) ports.



Wired LAN Port	Identifies LAN port number.	
Enable	Enable/disable specified LAN port.	
Speed & Duplex	Select a speed & duplex type for specified LAN port, or use the "Auto" value. LAN ports can operate up to 1000Mbps and full-duplex	
	enables simultaneous data packets transfer/receive.	
Flow Control	Enable/disable flow control. Flow control can pause new session request until current data processing is complete, in order to avoid device overloads under heavy traffic.	
802.3az	Enable/disable 802.3az. 802.3az is an Energy Efficient Ethernet feature which disables unused interfaces to reduce power usage.	



IV-2-3. **VLAN**



The "VLAN" (Virtual Local Area Network) enables you to configure VLAN settings. A VLAN is a local area network which maps

workstations virtually instead of physically and allows you to group together or isolate users from each other. VLAN IDs 1 – 4095 are supported.



 $m{4}$ VLAN IDs in the range 1 – 4095 are supported.

N Interface		
Wired LAN Port	VLAN Mode	VLAN ID
LAN1	Untagged Port ▼	1
Wireless 2.4GHz	VLAN Mode	VLAN ID
SSID [EDIMAX-75EFA8_G]	Untagged Port	1
Wireless 5GHz	VLAN Mode	VLAN ID
SSID [EDIMAX-75EFA8_A]	Untagged Port	1

Management VLAN		
VLAN ID	1	

VLAN Interface	
Wired LAN	Identifies LAN port number and wireless SSIDs.
Port/Wireless	
VLAN Mode	Select "Tagged Port" or "Untagged Port" for
	specified LAN interface.
VLAN ID	Set a VLAN ID for specified interface, if
	"Untagged Port" is selected.

Management VLAN	
VLAN ID	Specify the VLAN ID of the management VLAN.
	Only the hosts belonging to the same VLAN can
	manage the device.



IV-3. Wireless Settings

Information Network Settings Wireless Settings Management Advanced Operation Mode

A

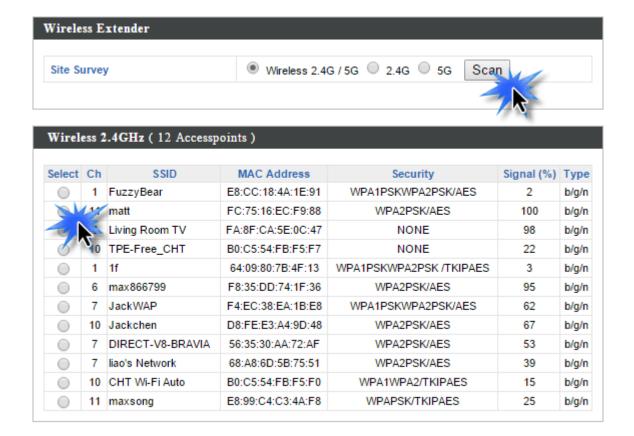
Screenshots displayed are examples. The information shown on your screen will vary depending on your configuration.

IV-3-1. Wireless Extender

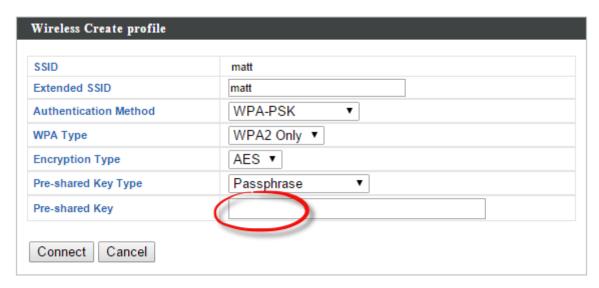


🦺 Only available in Repeater Mode

The wireless extender page displays details about the APs wireless connection in repeater mode and enables you to connect to a source SSID and configure the new (repeater) SSID. Settings are saved as **profiles**. Click **Scan** to search for and display available SSIDs and click **Select** to connect to an available SSID. SSIDs can be configured independently for each frequency 2.4GHz & 5GHz.







Wireless 2.4GHz/5GHz		
Select	Click to select an SSID and display a new Create	
	Profile window to enter security information	
	(below).	
Channel	Displays the channel number of listed SSID.	
SSID	Displays the SSID.	
MAC Address	Displays the MAC address of specified SSID.	
Security	Displays the existing security type for listed SSID.	
Signal (%)	Displays the available signal strength for listed SSID.	
Туре	Displays the wireless 802.11 standard for each SSID.	

Wireless Create Profile		
SSID	Displays the selected source SSID for this	
	profile.	
Extended SSID	Edit the new SSID for this profile.	
Authentication	Select the source SSIDs authentication method	
Method	and enter encryption key/pre-shared key.	



Profile List IV-3-2.



📤 Only available in Repeater Mode

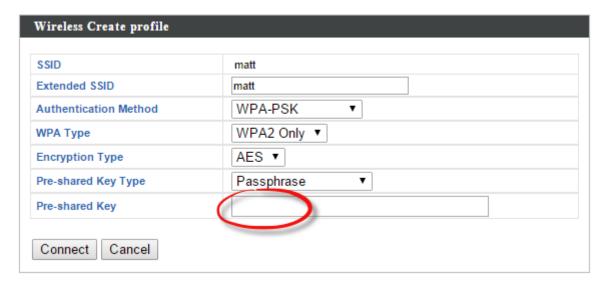
Profile List

Repeater mode settings are saved as profiles. Profiles can be edited and multiple profiles can be created to switch between profiles

easily as required. Select an existing profile and click **Edit** or **Connect**.







Wireless Create Profile	
SSID	Displays the selected source SSID for this profile.
Extended SSID	Edit the new SSID for this profile.
Authentication	Select the source SSIDs authentication method
Method	and enter encryption key/pre-shared key.



IV-3-3. 2.4GHz 11bgn

> 2.4GHz 11bgn

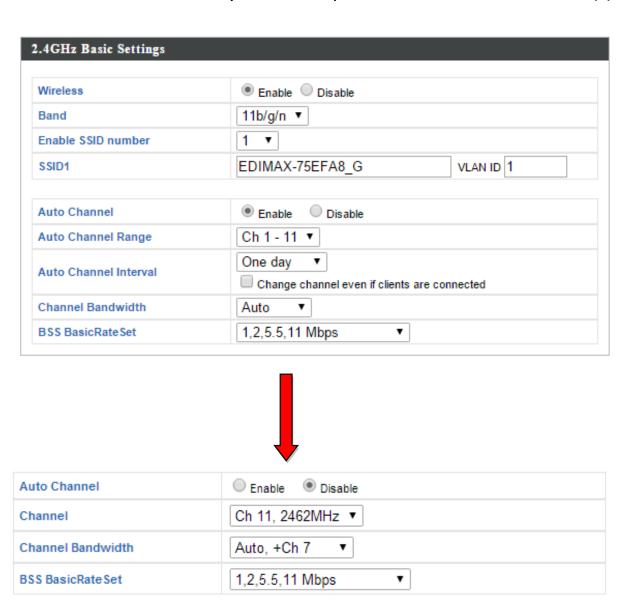
The "2.4GHz 11bgn" menu allows you to view and configure information for your access point's 2.4GHz wireless network across five

categories: Basic, Advanced, Security, WDS & Schedule.

IV-3-3-1. Basic



The "Basic" screen displays basic settings for your access point's 2.4GHz Wi-Fi network (s).





Wireless	Enable or disable the access point's 2.4GHz
VVII CIC33	wireless radio. When disabled, no 2.4GHz
	·
Donal	SSIDs will be active.
Band	Select the wireless standard used for the
	access point. Combinations of 802.11b,
	802.11g & 802.11n can be selected.
Enable SSID Number	Select how many SSIDs to enable for the
	2.4GHz frequency from the drop down menu.
	A maximum of 16 can be enabled.
SSID#	Enter the SSID name for the specified SSID (up
	to 16). The SSID can consist of any
	combination of up to 32 alphanumeric
	characters.
VLAN ID	Specify a VLAN ID for each SSID.
Auto Channel	Enable/disable auto channel selection. Auto
	channel selection will automatically set the
	wireless channel for the access point's 2.4GHz
	frequency based on availability and potential
	interference. When disabled, select a channel
	manually as shown in the next table.
Auto Channel Range	Select a range from which the auto channel
	setting (above) will choose a channel.
Auto Channel	Specify a frequency for how often the auto
Interval	channel setting will check/reassign the
	wireless channel. Check/uncheck the "Change
	channel even if clients are connected" box
	according to your preference.
Channel Bandwidth	Set the channel bandwidth: 20MHz (lower
Chamici Banawiath	performance but less interference), 40MHz
	(higher performance but potentially higher
	, , , , , , , , , , , , , , , , , , , ,
	interference) or Auto (automatically select
DCC DecieDateCat	based on interference level).
BSS BasicRateSet	Set a Basic Service Set (BSS) rate: this is a
	series of rates to control communication
	frames for wireless clients.



When auto channel is disabled, select a wireless channel manually:

Channel	Select a wireless channel from 1 – 11.
Channel Bandwidth	Set the channel bandwidth: 20MHz (lower
	performance but less interference), 40MHz
	(higher performance but potentially higher
	interference) or Auto (automatically select
	based on interference level).
BSS BasicRate Set	Set a Basic Service Set (BSS) rate: this is a
	series of rates to control communication
	frames for wireless clients.



IV-3-3-2. Advanced

These settings are for experienced users only.
Please do not change any of the values on this page unless you are already familiar with these functions.



Changing these settings can adversely affect the performance of your access point.

Contention Slot	Short V	Short V	
Preamble Type	Short ∨		
Guard Interval	Short GI	~	
802.11g Protection	Enable	Obisable	
802.11n Protection	Enable	Obisable	
DTIM Period	1	(1-255)	
RTS Threshold	2347	(1-2347)	
Fragment Threshold	2346	(256–2346)	
Multicast Rate	Auto	Auto	
Tx Power	100% 🗸		
Beacon Interval	100	(40-1000 ms)	
Station idle timeout	60	(30-65535 seconds)	

Contention Slot	Select "Short" or "Long" – this value is used for contention windows in WMM (see IV-3-6. WMM).
Preamble Type	Set the wireless radio preamble type. The preamble type in 802.11 based wireless communication defines the length of the CRC (Cyclic Redundancy Check) block for communication between the access point and roaming wireless adapters. The default value is "Short Preamble".
Guard Interval	Set the guard interval. A shorter interval can improve performance.



802.11g Protection	Enable/disable 802.11g protection, which increases reliability but reduces bandwidth
	(clients will send Request to Send (RTS) to
	access point, and access point will broadcast
	Clear to Send (CTS), before a packet is sent
	from client.)
802.11n Protection	Enable/disable 802.11n protection, which
00212211111000001011	increases reliability but reduces bandwidth
	(clients will send Request to Send (RTS) to
	access point, and access point will broadcast
	Clear to Send (CTS), before a packet is sent
	from client.)
DTIM Period	Set the DTIM (delivery traffic indication
Dilly reliou	message) period value of the wireless radio.
	The default value is 1.
RTS Threshold	Set the RTS threshold of the wireless radio. The
K13 Tillesilolu	default value is 2347.
Fragment	Set the fragment threshold of the wireless
Threshold	radio. The default value is 2346.
Multicast Rate	
Willicast Rate	Set the transfer rate for multicast packets or
Ty Dower	use the "Auto" setting.
Tx Power	Set the power output of the wireless radio. You
	may not require 100% output power. Setting a
	lower power output can enhance security since
	potentially malicious/unknown users in distant
December of	areas will not be able to access your signal.
Beacon Interval	Set the beacon interval of the wireless radio.
Ctation idla	The default value is 100.
Station idle	Set the interval for keepalive messages from
timeout	the access point to a wireless client to verify if
	the station is still alive/active.



IV-3-3-3. Security

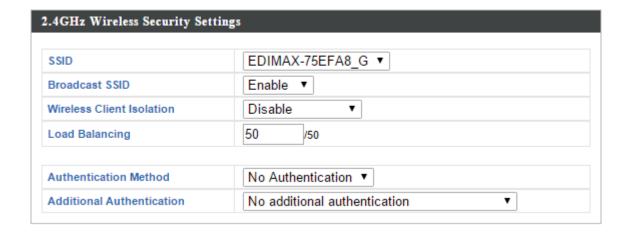
The access point provides various security options (wireless data encryption). When data is encrypted, information transmitted wirelessly cannot be read by anyone who does not know the correct encryption key.

A

It's essential to configure wireless security in order to prevent unauthorised access to your network.



Select hard-to-guess passwords which include combinations of numbers, letters and symbols, and change your password regularly.







2.4GHz Wireless Secu	urity Settings
SSID Selection	Select which SSID to configure security settings for.
Broadcast SSID	Enable or disable SSID broadcast. When enabled, the SSID will be visible to clients as an available Wi-Fi network. When disabled, the SSID will not be visible as an available Wi-Fi network to clients — clients must manually enter the SSID in order to connect. A hidden (disabled) SSID is typically more secure than a visible (enabled) SSID.
Wireless Client Isolation	Enable or disable wireless client isolation. Wireless client isolation prevents clients connected to the access point from communicating with each other and improves security. Typically, this function is useful for corporate environments or public hot spots and can prevent brute force attacks on clients' usernames and passwords.
Load Balancing	Load balancing limits the number of wireless clients connected to an SSID. Set a load balancing value (maximum 50).
Authentication Method	Select an authentication method from the drop down menu and refer to the information below appropriate for your method.
Additional Authentication	Select an additional authentication method from the drop down menu and refer to the information below (IV-3-1-3-6.) appropriate for your method.

2.4GHz Wireless Advanced Settings		
Smart Handover	r Enable or disable smart handover.	
RSSI Threshold	Set the Received Signal Strength Indicator (RSSI) threshold to maintain quality connection speeds (minimum receiver sensitivity required for a connection).	



IV-3-3-3-1. No Authentication

Authentication is disabled and no password/key is required to connect to the access point.



Disabling wireless authentication is not recommended. When disabled, anybody within range can connect to your device's SSID.

IV-3-3-3-2. WEP

WEP (Wired Equivalent Privacy) is a basic encryption type. For a higher level of security consider using WPA encryption.

Key Length	Select 64-bit or 128-bit. 128-bit is more secure than 64-bit and is recommended.
Key Type	Choose from "ASCII" (any alphanumerical character 0-9, a-z and A-Z) or "Hex" (any characters from 0-9, a-f and A-F).
Default Key	Select which encryption key (1 – 4 below) is the default key. For security purposes, you can set up to four keys (below) and change which is the default key.
Encryption Key 1 –	Enter your encryption key/password according
4	to the format you selected above.

IV-3-3-3. IEEE802.1x/EAP

Key Length	Select 64-bit or 128-bit. 128-bit is more secure
	than 64-bit and is recommended.

IV-3-3-3-4. WPA-PSK

WPA-PSK is a secure wireless encryption type with strong data protection and user authentication, utilizing 128-bit encryption keys.

WPA Type	Select from WPA/WPA2 Mixed Mode-PSK,
	WPA2 or WPA only. WPA2 is safer than WPA
	only, but not supported by all wireless clients.
	Please make sure your wireless client supports



	your selection.
Encryption	Select "TKIP/AES Mixed Mode" or "AES" encryption type.
Key Renewal Interval	Specify a frequency for key renewal in minutes.
Pre-Shared Key Type	Choose from "Passphrase" (8 – 63 alphanumeric characters) or "Hex" (up to 64 characters from 0-9, a-f and A-F).
Pre-Shared Key	Please enter a security key/password according to the format you selected above.

IV-3-3-3-5. WPA-EAP

WPA Type	Select from WPA/WPA2 Mixed Mode-EAP,
	WPA2-EAP or WPA-EAP.
Encryption Type	Select "TKIP/AES Mixed Mode" or "AES"
	encryption type.
Key Renewal	Specify a frequency for key renewal in
Interval	minutes.



WPA-EAP must be disabled to use MAC-RADIUS authentication.

IV-3-3-6. Additional Authentication

Additional wireless authentication methods can also be used:



A WPS must be disabled to use additional authentication. See IV-3-3. for WPS settings.

MAC Address Filter

Restrict wireless clients access based on MAC address specified in the MAC filter table.



A See IV-3-5.MAC Filter **to configure MAC filtering.**

MAC Filter & MAC-RADIUS Authentication

Restrict wireless clients access using both of the above MAC filtering & RADIUS authentication methods.



MAC-RADIUS Authentication

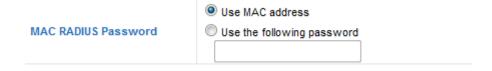
Restrict wireless clients access based on MAC address via a RADIUS server, or password authentication via a RADIUS server.



See IV-3-4.RADIUS to configure RADIUS servers.



WPS must be disabled to use MAC-RADIUS authentication. See IV-3-3. for WPS settings.



Password Select whether to use MAC address or password authentication via RADIUS server. If you select "Use the following password", enter the password in the field below. The password should match the "Shared Secret" used in IV-3-4. RADIUS.



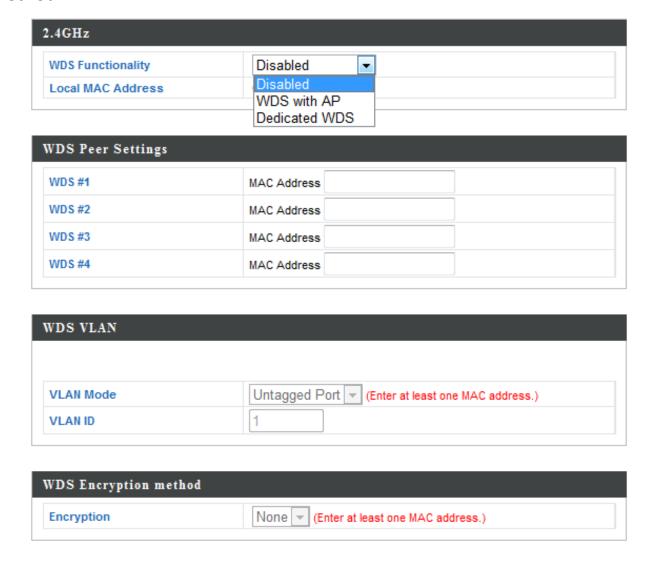
IV-3-3-4. WDS

Wireless Distribution System (WDS) can WDS bridge/repeat access points together in an extended network. WDS settings can be configured as shown below.



When using WDS, configure the IP address of each access point to be in the same subnet and ensure there is only one active DHCP server among connected access points, preferably on the WAN side.

WDS must be configured on each access point, using correct MAC addresses. All access points should use the same wireless channel and encryption method.





2.4GHz	
WDS Functionality	Select "WDS with AP" to use WDS with access point or "WDS Dedicated Mode" to use WDS and also block communication with regular wireless clients. When WDS is used, each access point should be configured with corresponding MAC addresses, wireless channel and wireless encryption method.
Local MAC Address	Displays the MAC address of your access point.

WDS Peer Settings	
WDS#	Enter the MAC address for up to four other
	WDS devices you wish to connect.

WDS VLAN	
	Specify the WDS VLAN mode to "Untagged Port" or "Tagged Port".
	Specify the WDS VLAN ID when "Untagged Port" is selected above.

WDS Encryption method	
Encryption	Select whether to use "None" or "AES"
	encryption and enter a pre-shared key for AES consisting of 8-63 alphanumeric characters.



IV-3-4. 5GHz 11ac 11an

> 5GHz 11ac 11an

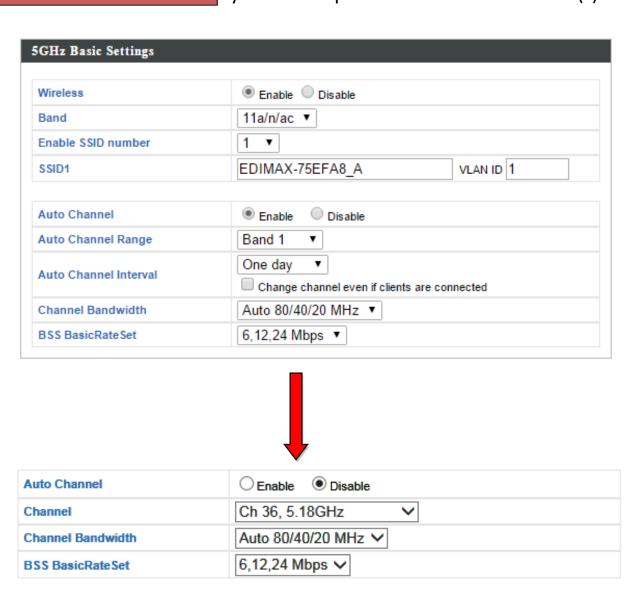
The "5GHz 11ac 11an" menu allows you to view and configure information for your access point's

5GHz wireless network across five categories: Basic, Advanced, Security, WDS & Schedule.

IV-3-4-1. Basic



The "Basic" screen displays basic settings for your access point's 5GHz Wi-Fi network (s).



Wireless	Enable or disable the access point's 5GHz wireless radio. When disabled, no 5GHz SSIDs will be active.
Band	Select the wireless standard used for the



	access point. Combinations of 802.11a,
	802.11n & 802.11ac can be selected.
Enable SSID Number	Select how many SSIDs to enable for the 5GHz
	frequency from the drop down menu. A
	maximum of 16 can be enabled.
SSID#	Enter the SSID name for the specified SSID (up
	to 16). The SSID can consist of any
	combination of up to 32 alphanumeric
	characters.
VLAN ID	Specify a VLAN ID for each SSID.
Auto Channel	Enable/disable auto channel selection. Auto
	channel selection will automatically set the
	wireless channel for the access point's 5GHz
	frequency based on availability and potential
	interference. When disabled, select a channel
	manually as shown in the next table.
Auto Channel Range	Select a range from which the auto channel
	setting (above) will choose a channel.
Auto Channel	Specify a frequency for how often the auto
Interval	channel setting will check/reassign the
	wireless channel. Check/uncheck the "Change
	channel even if clients are connected" box
	according to your preference.
Channel Bandwidth	Set the channel bandwidth: 20MHz (lower
	performance but less interference), Auto
	40/20MHz or Auto 80/40/20MHz
	(automatically select based on interference
	level).
BSS BasicRate Set	Set a Basic Service Set (BSS) rate: this is a
	series of rates to control communication
	frames for wireless clients.

When auto channel is disabled, select a wireless channel manually:

Channel	Select a wireless channel.
Channel Bandwidth	Set the channel bandwidth: 20MHz (lower
	performance but less interference), Auto
	40/20MHz or Auto 80/40/20MHz
	(automatically select based on interference
	level).



BSS BasicRate Set	Set a Basic Service Set (BSS) rate: this is a
	series of rates to control communication
	frames for wireless clients.

IV-3-4-2. Advanced

These settings are for experienced users only. Please do not change any of the values on this page unless you are already familiar with these functions.



Changing these settings can adversely affect the performance of your access point.

Guard Interval	Short GI	~
802.11n Protection	Enable	Obisable
DTIM Period	1	(1-255)
RTS Threshold	2347	(1-2347)
Fragment Threshold	2346	(256–2346)
Multicast Rate	Auto	▽
Tx Power	100% 🗸	
Beacon Interval	100	(40-1000 ms)
Station idle timeout	60	(30-65535 seconds)

Guard Interval	Set the guard interval. A shorter interval can
	improve performance.
802.11n Protection	Enable/disable 802.11n protection, which
	increases reliability but reduces bandwidth
	(clients will send Request to Send (RTS) to
	access point, and access point will broadcast
	Clear to Send (CTS), before a packet is sent
	from client.)
DTIM Period	Set the DTIM (delivery traffic indication
	message) period value of the wireless radio.
	The default value is 1.
RTS Threshold	Set the RTS threshold of the wireless radio. The
	default value is 2347.



Fragment Threshold	Set the fragment threshold of the wireless radio. The default value is 2346.
Multicast Rate	Set the transfer rate for multicast packets or
	use the "Auto" setting.
Tx Power	Set the power output of the wireless radio. You
	may not require 100% output power. Setting a
	lower power output can enhance security since
	potentially malicious/unknown users in distant
	areas will not be able to access your signal.
Beacon Interval	Set the beacon interval of the wireless radio.
	The default value is 100.
Station idle	Set the interval for keepalive messages from
timeout	the access point to a wireless client to verify if
	the station is still alive/active.



IV-3-4-3. Security

Security

The access point provides various security options (wireless data encryption). When data is encrypted, information transmitted wirelessly

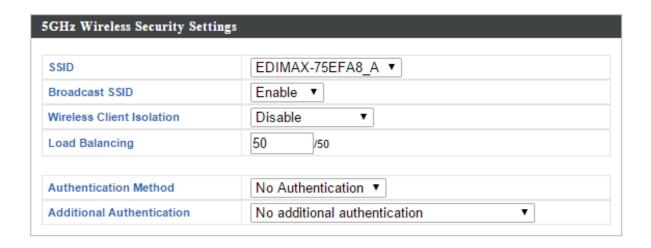
cannot be read by anyone who does not know the correct encryption key.



It's essential to configure wireless security in order to prevent unauthorised access to your network.



Select hard-to-guess passwords which include combinations of numbers, letters and symbols, and change your password regularly.



SSID Selection	Select which SSID to configure security settings for.
Broadcast SSID	Enable or disable SSID broadcast. When enabled, the SSID will be visible to clients as an available Wi-Fi network. When disabled, the SSID will not be visible as an available Wi-Fi network to clients — clients must manually enter the SSID in order to connect. A hidden (disabled) SSID is typically more secure than a visible (enabled) SSID.



Wireless Client	Enable or disable wireless client isolation.
Isolation	Wireless client isolation prevents clients
	connected to the access point from
	communicating with each other and improves
	security. Typically, this function is useful for
	corporate environments or public hot spots
	and can prevent brute force attacks on clients'
	usernames and passwords.
Load Balancing	Load balancing limits the number of wireless
	clients connected to an SSID. Set a load
	balancing value (maximum 50).
Authentication	Select an authentication method from the drop
Method	down menu and refer to the information
	below appropriate for your method.
Additional	Select an additional authentication method
Authentication	from the drop down menu and refer to the
	information below appropriate for your
	method.

Please refer back to **IV-3-1-3. Security** for more information on authentication and additional authentication types.



IV-3-4-4. WDS



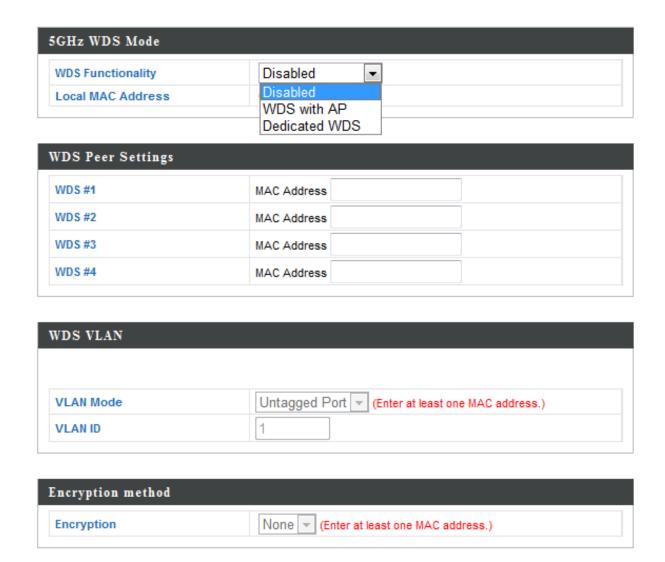
Wireless Distribution System (WDS) can bridge/repeat access points together in an extended network. WDS settings can be

configured as shown below.



When using WDS, configure the IP address of each access point to be in the same subnet and ensure there is only one active DHCP server among connected access points, preferably on the WAN side.

WDS must be configured on each access point, using correct MAC addresses. All access points should use the same wireless channel and encryption method.





5GHz WDS Mode	
WDS Functionality	Select "WDS with AP" to use WDS with access point or "WDS Dedicated Mode" to use WDS and also block communication with regular wireless clients. When WDS is used, each access point should be configured with corresponding MAC addresses, wireless channel and wireless encryption method.
Local MAC Address	Displays the MAC address of your access point.

WDS Peer Settings	
WDS#	Enter the MAC address for up to four other
	WDA devices you wish to connect.

WDS VLAN	
	Specify the WDS VLAN mode to "Untagged Port" or "Tagged Port".
	Specify the WDS VLAN ID when "Untagged Port" is selected above.

WDS Encryption	
Encryption	Select whether to use "None" or "AES"
	encryption and enter a pre-shared key for AES with 8-63 alphanumeric characters.



IV-3-5. WPS

WI-Fi Protected Setup is a simple way to establish connections between WPS

compatible devices. WPS can be activated on compatible devices by pushing a WPS button on the device or from within the device's firmware/configuration interface (known as PBC or "Push Button Configuration"). When WPS is activated in the correct manner and at the correct time for two compatible devices, they will automatically connect. "PIN code WPS" is a variation of PBC which includes the additional use of a PIN code between the two devices for verification.



Please refer to manufacturer's instructions for your other WPS device.







Wireless 2.4GHz		
SSID	EDIMAX-75EFA8_G	
Security	WPA/WPA2-PSK TKIP/AES Mixed Mode	
Encryption		

Wireless 5GHz		
SSID	EDIMAX-75EFA8_A	
Security	WPA/WPA2-PSK TKIP/AES Mixed Mode	
Encryption		

WPS	Check/uncheck this box to enable/disable WPS functionality. WPS must be disabled when
	using MAC-RADIUS authentication (see IV-3-1-3-6 & IV-3-4).

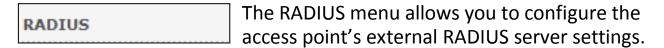
WPS	
Product PIN	Displays the WPS PIN code of the device, used for PIN code WPS. You will be required to enter this PIN code into another WPS device for PIN code WPS. Click "Generate PIN" to generate a new WPS PIN code.
Push-Button WPS	Click "Start" to activate WPS on the access point for approximately 2 minutes. This has the same effect as physically pushing the access point's WPS button.
WPS by PIN	Enter the PIN code of another WPS device and click "Start" to attempt to establish a WPS connection for approximately 2 minutes.

WPS Security	
WPS Status	WPS security status is displayed here. Click "Release" to clear the existing status.

Wireless 2.4GHz/5GHz		
SSID	Displays the SSID name(s) for the specified	
	frequency.	
Security	Displays the security for the specified SSID.	
Encryption	Displays the encryption type for the specified SSID. See IV-3. Wireless Settings	



IV-3-6. RADIUS



A RADIUS server provides user-based authentication to improve security and offer wireless client control – users can be authenticated before gaining access to a network.

The access point can utilize both a primary and secondary (backup) external RADIUS server for each of its wireless frequencies (2.4GHz & 5GHz)..



To use RADIUS servers, go to "Wireless Settings" → "Security" and select "MAC RADIUS Authentication" → "Additional Authentication" and select "MAC RADIUS Authentication" (see IV-3-1-3. & IV-3-2-3).

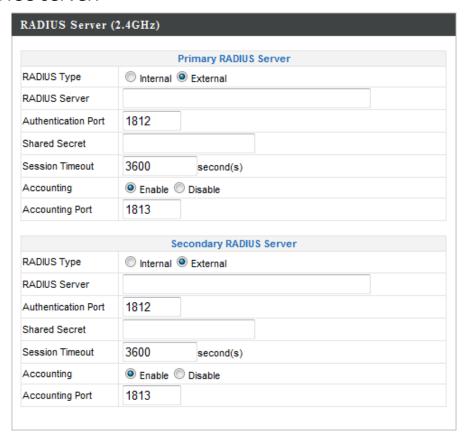


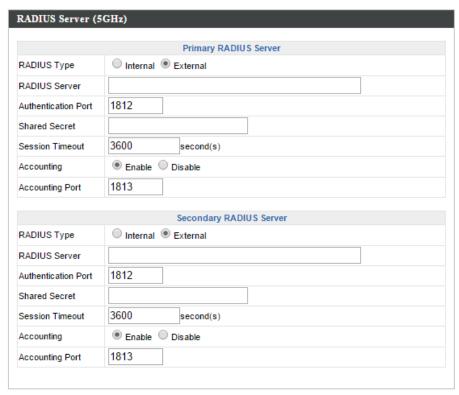
IV-3-6-1. RADIUS Settings

Radius Settings

Configure the RADIUS server settings for 2.4GHz. Each frequency can use an internal or

external RADIUS server.







_	
RADIUS Type	Select "Internal" to use the access point's
	built-in RADIUS server or "external" to use an
	external RADIUS server.
RADIUS Server	Enter the RADIUS server host IP address.
RADIOS SEIVEI	Litter the NADIOS server host in address.
Authentication	Set the UDP port used in the authentication
Port	protocol of the RADIUS server. Value must be
	between 1 – 65535.
Shared Secret	Enter a shared secret/password between 1 –
Shared Secret	99 characters in length. This should match the
	"MAC-RADIUS" password used in IV-3-1-3-6 or
	IV-3-2-3.
Session Timeout	Set a duration of session timeout in seconds
	between 0 – 86400.
Accounting	
Accounting	Enable or disable RADIUS accounting.
Accounting Port	When accounting is enabled (above), set the
	UDP port used in the accounting protocol of
	the RADIUS server. Value must be between 1 –
	65535.
	0000.

IV-3-6-2. Internal Server

The access point features a built-in RADIUS server which can be configured as shown below used when "Internal" is selected for "RADIUS Type" in the "Wireless Settings" → "RADIUS" → "RADIUS Settings" menu.



To use RADIUS servers, go to "Wireless Settings" → "Security" and select "MAC RADIUS Authentication" → "Additional Authentication" and select "MAC RADIUS Authentication" (see IV-3-1-3. & IV-3-2-3).



Internal Server		
Internal Server	Enable	
EAP Internal Authentication	PEAP(MS-PEAP) ▼	
EAP Certificate File Format	PKCS#12(*.pfx/*.p12)	
EAP Certificate File	Upload	
Shared Secret		
Session-Timeout	3600	second(s)
	Reauthenication (RAD)	IUS-Request)
Termination-Action	Not-Reauthenication (I	Default)
	Not-Send	

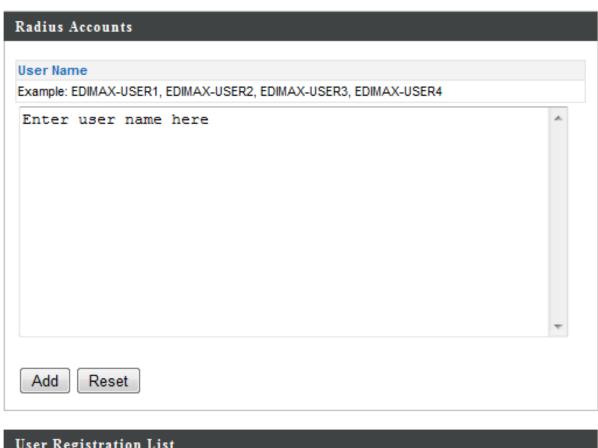
Internal Server	Check/uncheck to enable/disable the access
	point's internal RADIUS server.
EAP Internal	Select EAP internal authentication type from
Authentication	the drop down menu.
EAP Certificate File	Displays the EAP certificate file format:
Format	PCK#12(*.pfx/*.p12)
EAP Certificate File	Click "Upload" to open a new window and select the location of an EAP certificate file to use. If no certificate file is uploaded, the internal RADIUS server will use a self-made certificate.
Shared Secret	Enter a shared secret/password for use between the internal RADIUS server and RADIUS client. The shared secret should be 1 – 99 characters in length. This should match the "MAC-RADIUS" password used in IV-3-1-3-6 or IV-3-2-3.
Session Timeout	Set a duration of session timeout in seconds between 0 – 86400.
Termination Action	Select a termination-action attribute: "Reauthentication" sends a RADIUS request to the access point, "Not-Reathentication" sends a default termination-action attribute to the access point, "Not-Send" no termination-action attribute is sent to the access point.

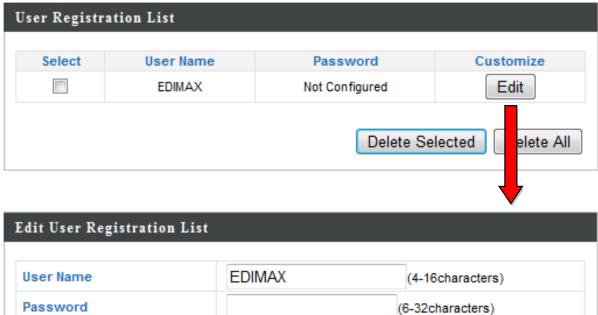


IV-3-6-3. RADIUS Accounts

The internal RADIUS server can authenticate up to 256 user accounts. The "RADIUS"

Accounts" page allows you to configure and manage users.







User Name	Enter the user names here, separated by commas.
Add	Click "Add" to add the user to the user registration list.
Reset	Clear text from the user name box.

Select	Check the box to select a user.	
User Name	Displays the user name.	
Password	Displays if specified user name has a password (configured) or not (not configured).	
Customize	Click "Edit" to open a new field to set/edit a password for the specified user name (below).	

Delete Selected	Delete selected user from the user registration list.
Delete All	Delete all users from the user registration list.

Edit User Registration List

User Name	Existing user name is displayed here and can be edited according to your preference.
Password	Enter or edit a password for the specified user.

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MAC Filter IV-3-7.

MAC Filter

Mac filtering is a security feature that can help to prevent unauthorized users from

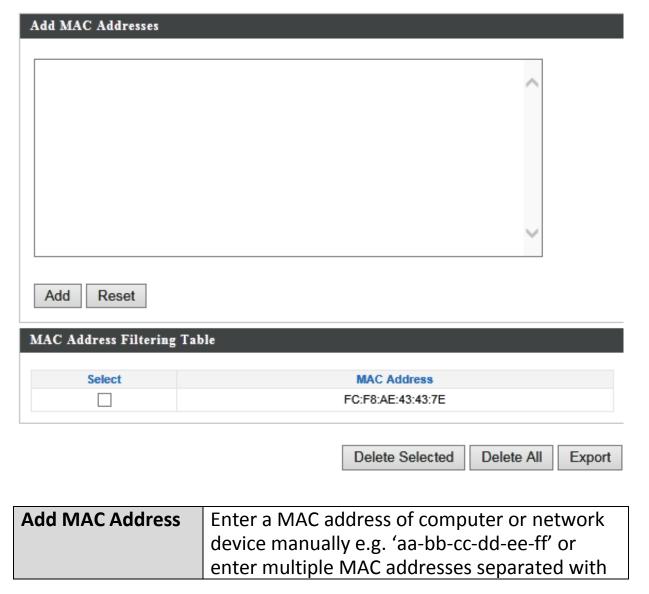
connecting to your access point.

This function allows you to define a list of network devices permitted to connect to the access point. Devices are each identified by their unique MAC address. If a device which is not on the list of permitted MAC addresses attempts to connect to the access point, it will be denied.



To enable MAC filtering, go to "Wireless Settings" → "2.4G \rightarrow "Security" \rightarrow "Additional Authentication" **and select** "MAC Filter" (see IV-3-1-3).

The MAC address filtering table is displayed below:





	commas, e.g. 'aa-bb-cc-dd-ee-ff,aa-bb-cc-dd-ee-gg'
Add	Click "Add" to add the MAC address to the MAC address filtering table.
Reset	Clear all fields.

MAC address entries will be listed in the "MAC Address Filtering Table". Select an entry using the "Select" checkbox.

Select	Delete selected or all entries from the table.	
MAC Address	The MAC address is listed here.	
Delete Selected	Delete the selected MAC address from the	
	list.	
Delete All	Delete all entries from the MAC address	
	filtering table.	
Export	Click "Export" to save a copy of the MAC	
	filtering table. A new window will pop up for	
	you to select a location to save the file.	



IV-3-8. WMM



Wi-Fi Multimedia (WMM) is a Wi-Fi Alliance interoperability certification based on the IEEE 802.11e standard, which provides

Quality of Service (QoS) features to IEE 802.11 networks. WMM prioritizes traffic according to four categories: background, best effort, video and voice.

	WMM Parai	meters of Access	s Point	
	CWMin	CWMax	AIFSN	TxOP
Back Ground	4	10	7	0
Best Effort	4	6	3	0
Video	3	4	1	94
Voice	2	3	1	47
	WMM Pa	arameters of Stat	tion	
	CWMin	CWMax	AIFSN	TxOP
Back Ground	4	10	7	0
Best Effort	4	10	3	0
Video	3	4	2	94
		3	2	47

Configuring WMM consists of adjusting parameters on queues for different categories of wireless traffic. Traffic is sent to the following queues:

Background	Low	High throughput, non time sensitive bulk	
	Priority	data e.g. FTP	
Best Effort	Medium	Traditional IP data, medium throughput and	
	Priority	delay.	
Video	High	Time sensitive video data with minimum	
	Priority	time delay.	
Voice	High	Time sensitive data such as VoIP and	
	Priority	streaming media with minimum time delay.	

Queues automatically provide minimum transmission delays for video, voice, multimedia and critical applications. The values can further be adjusted manually:



CWMin	Minimum Contention Window (milliseconds):
CVVIVIIII	·
	This value is input to the initial random
	backoff wait time algorithm for retry of a data
	frame transmission. The backoff wait time will
	be generated between 0 and this value. If the
	frame is not sent, the random backoff value is
	doubled until the value reaches the number
	defined by CWMax (below). The CWMin value
	must be lower than the CWMax value. The
	contention window scheme helps to avoid
	frame collisions and determine priority of
	frame transmission. A shorter window has a
	higher probability (priority) of transmission.
CWMax	Maximum Contention Window (milliseconds):
	This value is the upper limit to random
	backoff value doubling (see above).
AIFSN	Arbitration Inter-Frame Space (milliseconds):
	Specifies additional time between when a
	channel goes idle and the AP/client sends
	data frames. Traffic with a lower AIFSN value
	has a higher priority.
ТхОР	Transmission Opportunity (milliseconds): The
	maximum interval of time an AP/client can
	transmit. This makes channel access more
	efficiently prioritized. A value of 0 means only
	one frame per transmission. A greater value
	effects higher priority.



IV-9. Schedule

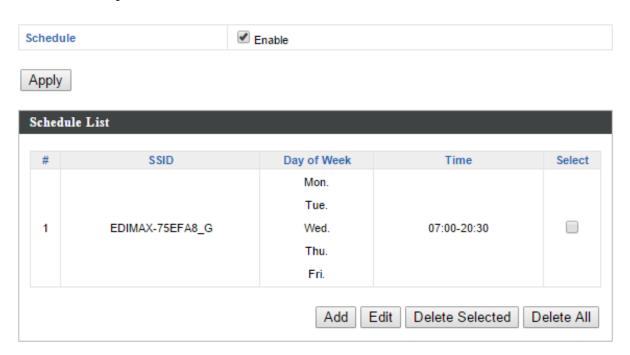
Schedule

The schedule feature allows you to automate the wireless network for specified times.

Check/uncheck the box "Enable Wireless Schedule" to enable/disable the wireless scheduling function.



The access point's time and date settings must be set in order to use this function.

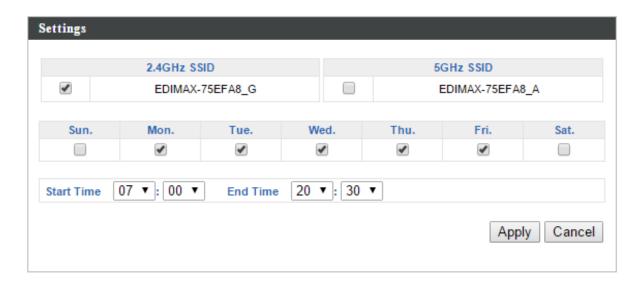


A

Wireless scheduling can save energy and increase the security of your network.

- Check Enable and use the Select, Add, Edit or Delete checkboxes to select and modify schedule(s).
- **2.** When you click **Add**, specify day(s), start time and end time for the schedule using the drop-down menus and click **Apply**.





3. Remember to **Apply** your changes and make sure **Enable** is checked.





IV-3-10. Traffic Shaping

Traffic Shaping

The traffic shaping function allows you to regulate network data transfer to ensure or prioritize performance by limiting uplink and downlink speeds according to SSID.

Traffic Shaping for ssid(2.4GHz)				
Enable				
Unlimited : 0 Mbps				
Down Link/Up Link Maximum : 1024	Mbps			
SSID	Dow	n Link	Up	Link
EDIMAX-75EFA8_G	0	Mbps	0	Mbps
EDIMAX-75EFA8_G_2	0	Mbps	0	Mbps
EDIMAX-75EFA8_G_3 Unlimited: 0 Mbps	0	Mbps	0	Mbps
Down Link/Up Link Maximum: 1024	Mbps			
SSID	Dow	n Link	Up	Link
EDIMAX-75EFA8_A	0	Mbps	0	Mbps
EDIMAX-75EFA8_A_2	0	Mbps	0	Mbps
EDIMAX-75EFA8_A_3	0	Mbps	0	Mbps
EDIMAX-75EFA8_A_4	0	Mbps	0	Mbps
EDIMAX-75EFA8_A_5	0	Mbps	0	Mbps
EDIMAX-75EFA8_A_6	0	Mbps	0	Mbps
EDIMAX-75EFA8_A_7	0	Mbps	0	Mbps
EDIMAX-75EFA8_A_8	0	Mbps	0	Mbps
EDIMAX-75EFA8_A_9	0	Mbps	0	Mbps
EDIMAX-75EFA8_A_10	0	Mbps	0	Mbps
EDIMAX-75EFA8_A_11	0	Mbps	0	Mbps
EDIMAX-75EFA8_A_12	0	Mbps	0	Mbps
EDIMAX-75EFA8_A_13	0	Mbps	0	Mbps
EDIMAX-75EFA8_A_14	0	Mbps	0	Mbps
EDIMAX-75EFA8_A_15	0	Mbps	0	Mbps
EDIMAX-75EFA8_A_16	0	Mbps	0	Mbps

Enable Unlimited: 0	Check/uncheck to enable or disable unlimited	
Mbps	transfer speed.	
Downlink/Uplink	Specify the maximum down/uplink capacity in	



Maximum	Mbps.	
Downlink	Enter a downlink limit in MB for the listed	
	SSID.	
Uplink	Enter an uplink limit in MB for the listed SSID.	



IV-4. Management

Information Network Settings Wireless Settings Management Advanced Operation Mode



Screenshots displayed are examples. The information shown on your screen will vary depending on your configuration.

IV-4-1. Admin

You can change the password used to login to the browser-based configuration interface here. It is advised to do so for security purposes.



If you change the administrator password, please make a note of the new password. In the event that you forget this password and are unable to login to the browser based configuration interface, see 1-5. Reset for how to reset the access point.





Product Name	AP801F0275EFA8	
HTTP Port	80	(80, 1024-65535)
HTTPS Port	443	(443, 1024-65535)
Management Protocol	# HTTF HTTF TELN SSH SNMF	PS ET
SNMP Version	v1/v2c	▼
SNMP Get Community	public	
SNMP Set Community	private	
SNMP Trap	Disable	ed ▼
SNMP Trap Community	public	
SNMP Trap Manager		

Account to Manage This Device	
Administrator	Set the access point's administrator name.
Name	This is used to log in to the browser based
	configuration interface and must be between
	4-16 alphanumeric characters (case sensitive).
Administrator	Set the access point's administrator password.
Password	This is used to log in to the browser based
	configuration interface and must be between
	4-32 alphanumeric characters (case sensitive).

Advanced Settings



Product Name	Edit the product name according to your
Product Name	Edit the product name according to your
	preference consisting of 1-32 alphanumeric
	characters. This name is used for reference
	purposes.
HTTP Port	Specify HTTP port number.
HTTPS Port	Specify HTTPS port number.
Management	Check/uncheck the boxes to enable/disable
Protocol	specified management interfaces (see below).
	When SNMP is enabled, complete the SNMP
	fields below.
SNMP Version	Select SNMP version appropriate for your
	SNMP manager.
SNMP Get	Enter an SNMP Get Community name for
Community	verification with the SNMP manager for
	SNMP-GET requests.
SNMP Set	Enter an SNMP Set Community name for
Community	verification with the SNMP manager for
	SNMP-SET requests.
SNMP Trap	Enable or disable SNMP Trap to notify SNMP
•	manager of network errors.
SNMP Trap	Enter an SNMP Trap Community name for
Community	verification with the SNMP manager for
•	SNMP-TRAP requests.
SNMP Trap	Specify the IP address or sever name (2-128
Manager	alphanumeric characters) of the SNMP
	manager.
	lilialiagei.

HTTP

Internet browser HTTP protocol management interface

TELNET

Client terminal with telnet protocol management interface

SNMP

Simple Network Management Protocol. SNMPv1, v2 & v3 protocol supported. SNMPv2 can be used with community based authentication. SNMPv3 uses user-based security model (USM) architecture.



IV-4-2. Date and Time

You can configure the time zone settings of your access point here. The date and time of the device can be configured manually or can be synchronized with a time server.

Date and Time Settings	
Local Time	2012 ▼ Year Jan ▼ Month 1 ▼ Day 0 ▼ Hours 00 ▼ Minutes 00 ▼ Seconds
Acquire Current T	ime from Your PC
NTP Time Server	
Use NTP	Enable
Server Name	
Update Interval	24 (Hours)
Time Zone	

Date and Time Settings	
Local Time	Set the access point's date and time manually
	using the drop down menus.
Acquire Current	Click "Acquire Current Time from Your PC" to
Time from your PC	enter the required values automatically
	according to your computer's current time and
	date.

NTP Time Server	
	The access point also supports NTP (Network Time Protocol) for automatic time and date setup.



Server Name	Enter the host name or IP address of the time server if you wish.
Update Interval	Specify a frequency (in hours) for the access point to update/synchronize with the NTP server.

Time Zone	
Time Zone	Select the time zone of your country/ region. If your country/region is not listed, please select another country/region whose time zone is the same as yours.



IV-4-3. Syslog Server

Syslog Server

The system log can be sent to a server or to attached USB storage.

Syslog Server Settings	
Transfer Logs	
Copy Logs to Attached USB Device	Enable
Syslog E-mail Settings	
E-mail Logs	
E-mail Subject	
SMTP Server Address	
SMTP Server Port	
Sender E-mail	
Receiver E-mail	
Authentication	Disable ▼

Syslog Server Settings	
Transfer Logs	Check/uncheck the box to enable/disable the use of a syslog server, and enter a host name, domain or IP address for the server, consisting of up to 128 alphanumeric
	characters.
Copy Logs to	Check/uncheck the box to enable/disable
Attached USB Device	copying logs to attached USB storage.

Syslog E-mail Settings	
E-mail Logs	Check the box to enable/disable e-mail logs.
E-mail Subject	Specify the subject line of log emails.
SMTP Server	Specify the SMTP server address used to send
Address	log emails.
SMTP Server Port	Specify the SMTP server port used to send log
	emails.
Sender E-mail	Specify the sender email address.
Receiver E-mail	Specify the email to receive log emails.



Authentication	Disable or select authentication type: SSL or TLS.
	When using SSL or TLS, enter the username and
	password.

IV-4-4. Ping Test



The access point includes a built-in ping test function. Ping is a computer network administration utility used to test

whether a particular host is reachable across an IP network and to measure the round-trip time for sent messages.



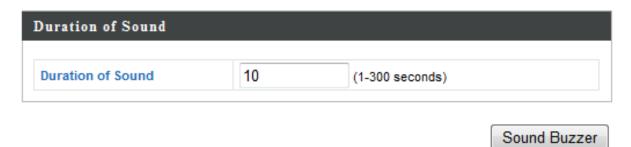
Destination Address	Enter the address of the host.
Execute	Click execute to ping the host.



I'm Here IV-4-5.

The access point features a built-in buzzer I'm Here which can sound on command using the "I'm

Here" page. This is useful for network administrators and engineers working in complex network environments to locate the access point.

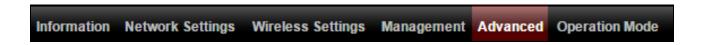


🚹 The buzzer is loud!

Duration of Sound	Set the duration for which the buzzer will sound when the "Sound Buzzer" button is clicked.
Sound Buzzer	Activate the buzzer sound for the above specified duration of time.



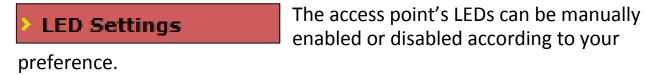
IV-5. **Advanced**





Screenshots displayed are examples. The information shown on your screen will vary depending on your configuration.

IV-5-1. **LED Settings**





Power/Diag LED	Select on or off.
----------------	-------------------

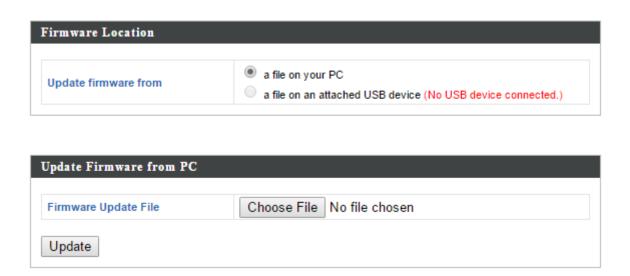


IV-5-2. Update Firmware

Update Firmware

The "Firmware" page allows you to update the system firmware to a more recent version. Updated firmware versions often

offer increased performance and security, as well as bug fixes. You can download the latest firmware from the Edimax website.





Do not switch off or disconnect the access point during a firmware upgrade, as this could damage the device.

Update Firmware	Select "a file on your PC" to upload firmware
From	from your local computer or from an
	attached USB device.
Firmware Update File	Click "Choose File" to open a new window to
	locate and select the firmware file in your
	computer.
Update	Click "Update" to upload the specified
	firmware file to your access point.



IV-5-3. Save/Restore Settings

Save/Restore SettingsThe access point's "Save/Restore Settings" page enables you to save/backup the access point's current settings as a file to your local computer or a USB device attached to the access point, and restore the access point to previously saved settings.

Save/Restore Method	
Using Device	Using your PC Using your USB device (No USB device connected.)
Save Settings to PC	
Save Settings	Encrypt the configuration file with a password.
Save	
Restore Settings from PC	
Restore Settings	Choose File No file chosen Open file with password.
Restore	

Save / Restore Settings	
Using Device	Select "Using your PC" to save the access
	point's settings to your local computer or to
	an attached USB device.

Save Settings to PC	
Save Settings	Click "Save" to save settings and a new window will open to specify a location to
	save the settings file. You can also check the "Encrypt the configuration file with a password" box and enter a password to protect the file in the field underneath, if you wish.

Restore Settings from PC	
Restore Settings	Click the browse button to find a previously
	saved settings file on your computer, then
	click "Restore" to replace your current
	settings. If your settings file is encrypted with



a password, check the "Open file with
password" box and enter the password in
the field underneath.



IV-5-4. Factory Default

responding, then it is recommended that you reboot the device (see IV-5.5) or reset the device back to its factory default settings. You can reset the access point back to its default settings using this feature if the location of the access point is not convenient to access the reset button.

This will restore all settings to factory defaults.

Factory Default

Factory Default	Click "Factory Default" to restore settings to
	the factory default. A pop-up window will
	appear and ask you to confirm.



After resetting to factory defaults, please wait for the access point to reset and restart.



IV-5-5. Reboot

Reboot

If the access point malfunctions or is not responding, then it is recommended that

you reboot the device or reset the access point back to its factory default settings (see **IV-5-4**). You can reboot the access point remotely using this feature.

This will reboot the product. Your settings will not be changed. Click "Reboot" to reboot the product now.

Reboot

Reboot	Click "Reboot" to reboot the device. A
	countdown will indicate the progress of the
	reboot.



IV-6. Operation Mode

Information Network Settings Wireless Settings Management Advanced Operation Mode



Screenshots displayed are examples. The information shown on your screen will vary depending on your configuration.

The access point can function in three different modes. Set the operation mode of the access point here.

Your access point can function in three different modes.

The default mode for your access point is **AP mode**.

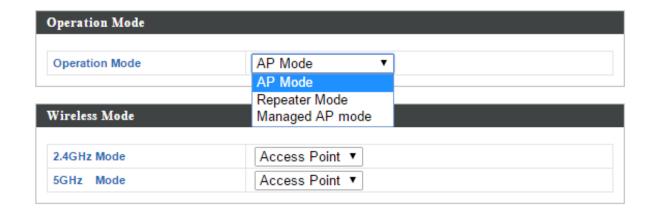
AP mode is a regular access point for use in your wireless network.

Managed AP mode acts as a "slave" AP within the AP array (controlled by the AP Controller "master").

In **Repeater mode** the access point connects wirelessly to your existing 2.4GHz and/or 5GHz network and repeats the wireless signal(s).



In Managed AP mode some functions of the access point will be disabled in this user interface and must be set using Edimax Pro NMS on the AP Controller.



Operation Mode	AP Mode is a standard access point in a
	wireless network.



AP Controller Mode is the master of an AP array and controls all other managed APs (below) using Edimax Pro NMS.

Managed AP mode is an AP which is part of the AP array and is managed by the Controller AP.



When you set the operation mode to repeater mode, the AP will not get an IP address from the router/root AP. You will need to set your computer's IP address and use the APs default IP address to access the UI for the first time, refer to Appendix for more help.



V. Appendix

Configuring your IP address V-1.

The access point uses the default IP address **192.168.2.2**. In order to access the browser based configuration interface, you need to modify the IP address of your computer to be in the same IP address subnet e.g. 192.168.2.x (x = 3 -254).

The procedure for modifying your IP address varies across different operating systems; please follow the guide appropriate for your operating system.

In the following examples we use the IP address 192.168.2.10 though you can use any IP address in the range 192.168.2.x (x = 3 - 254).



If you changed the AP Controller's IP address, or if your gateway/router uses a DHCP server, ensure you enter the correct IP address. Refer to your gateway/router's settings. Your computer's IP address must be in the same subnet as the AP Controller.

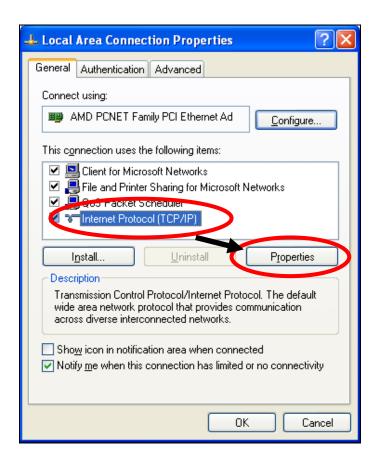


If using a DHCP server on the network, it is advised to use your DHCP server's settings to assign the AP Controller a static IP address.



V-1-1. Windows XP

1. Click the "Start" button (it should be located in the lower-left corner of your computer), then click "Control Panel". Double-click the "Network and Internet Connections" icon, click "Network Connections", and then double-click "Local Area Connection". The "Local Area Connection Status" window will then appear, click "Properties".

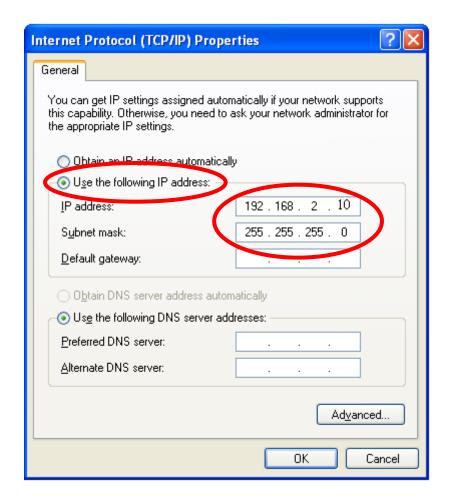


2. Select "Use the following IP address", then input the following values:

IP address: 192.168.2.10 Subnet Mask: 255.255.255.0

Click 'OK' when finished.

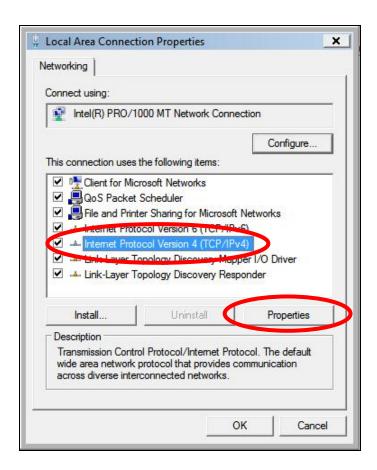






V-1-2. Windows Vista

1. Click the "Start" button (it should be located in the lower-left corner of your computer), then click "Control Panel". Click "View Network Status and Tasks", then click "Manage Network Connections". Right-click "Local Area Network", then select "Properties". The "Local Area Connection Properties" window will then appear, select "Internet Protocol Version 4 (TCP / IPv4)", and then click "Properties".

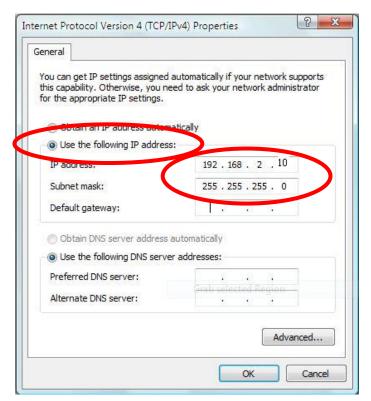


2. Select "Use the following IP address", then input the following values:

IP address: 192.168.2.10 Subnet Mask: 255.255.255.0

Click 'OK' when finished.

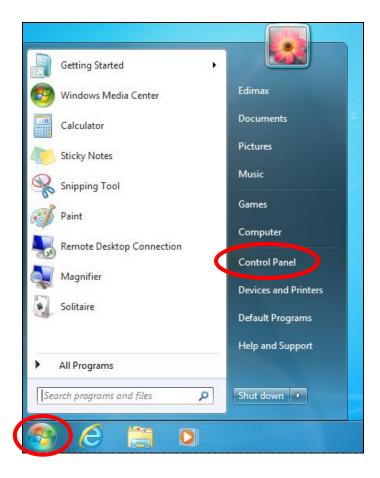






V-1-3. Windows 7

1. Click the "Start" button (it should be located in the lower-left corner of your computer), then click "Control Panel".

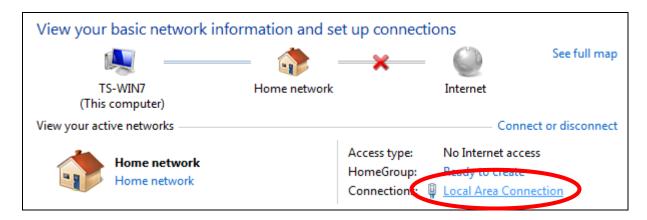


2. Under "Network and Internet" click "View network status and tasks".

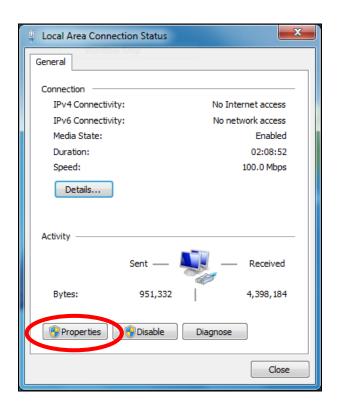


3. Click "Local Area Connection".



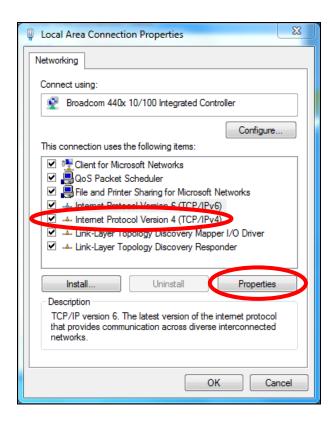


4. Click "Properties".





5. Select "Internet Protocol Version 4 (TCP/IPv4) and then click "Properties".



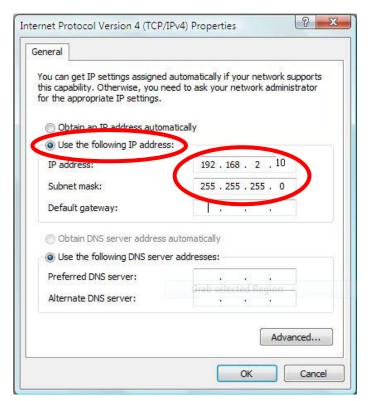
6. Select "Use the following IP address", then input the following values:

IP address: 192.168.2.10

Subnet Mask: 255.255.255.0

Click 'OK' when finished.

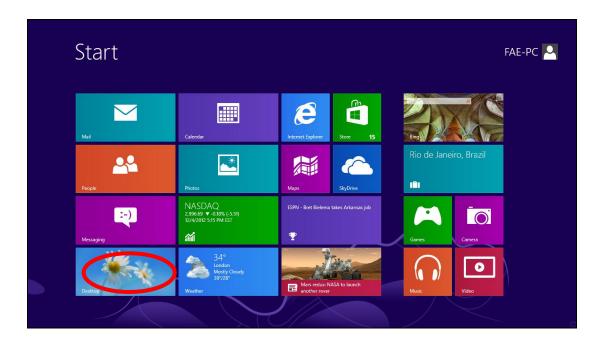




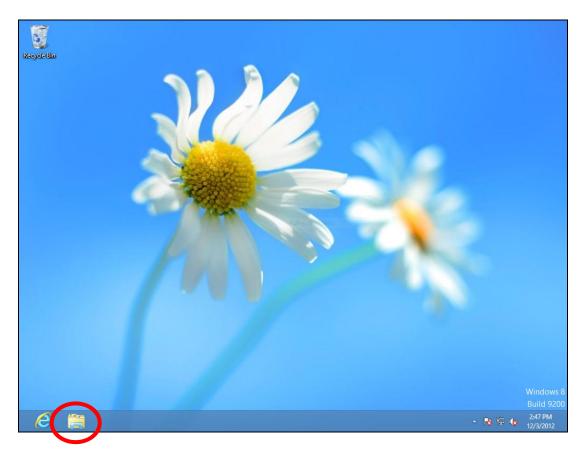


V-1-4. Windows 8

1. From the Windows 8 Start screen, you need to switch to desktop mode. Move your curser to the bottom left of the screen and click.

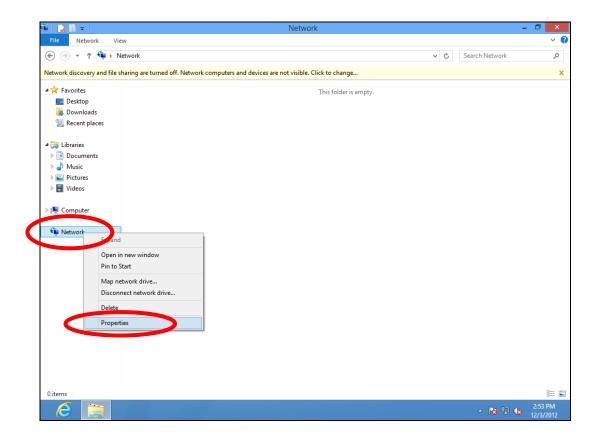


2. In desktop mode, click the File Explorer icon in the bottom left of the screen, as shown below.

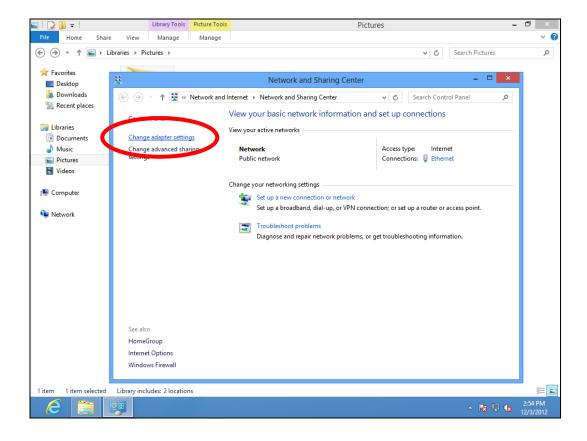




3. Right click "Network" and then select "Properties".

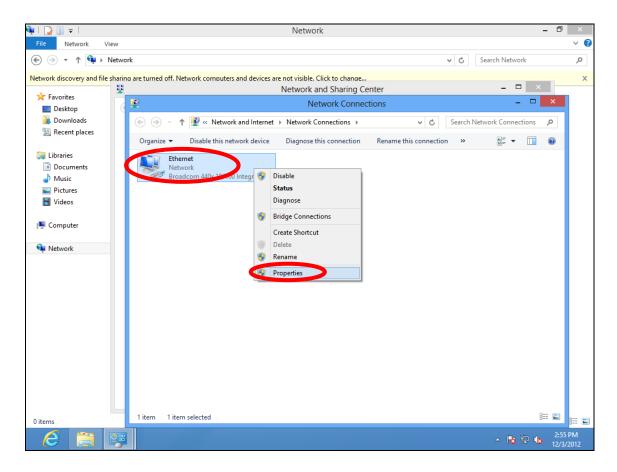


4. In the window that opens, select "Change adapter settings" from the left side.

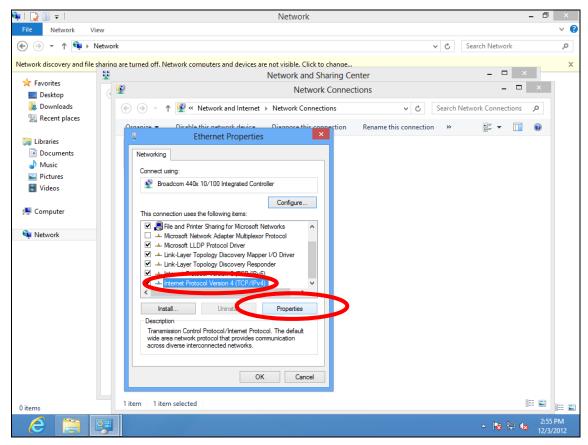




5. Choose your connection and right click, then select "Properties".



6. Select "Internet Protocol Version 4 (TCP/IPv4) and then click "Properties".





7. Select "Use the following IP address", then input the following values:

IP address: 192.168.2.10

Subnet Mask: 255.255.255.0

Click 'OK' when finished.



V-1-5. Mac

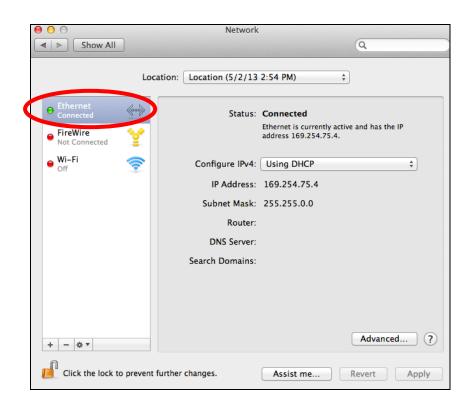
1. Have your Macintosh computer operate as usual, and click on "System Preferences"



2. In System Preferences, click on "Network".

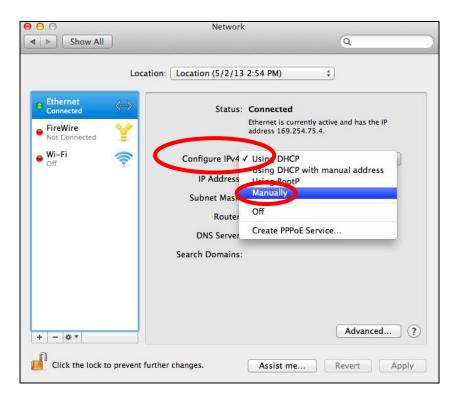


3. Click on "Ethernet" in the left panel.

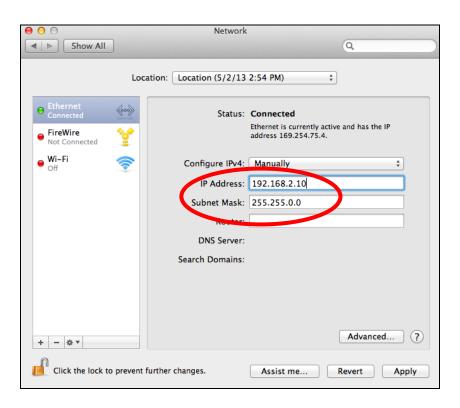


4. Open the drop-down menu labeled "Configure IPv4" and select "Manually".





5. Enter the IP address 192.168.2.10 and subnet mask 255.255.255.0. Click on "Apply" to save the changes.







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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 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 or more of the following measures:

- 1. Reorient or relocate the receiving antenna.
- 2. Increase the separation between the equipment and receiver.
- 3. Connect the equipment into an outlet on a circuit different from that to which the receiver is connected.
- 4. Consult the dealer or an experienced radio technician for help.

FCC Caution

This device and its antenna must not be co-located or operating in conjunction with any other antenna or transmitter. 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. Any changes or modifications not expressly approved by the party responsible for compliance could void the authority to operate equipment.

Federal Communications Commission (FCC) Radiation Exposure Statement

This equipment complies with FCC radiation exposure set forth for an uncontrolled environment. In order to avoid the possibility of exceeding the FCC radio frequency exposure limits, human proximity to the antenna shall not be less than 2.5cm (1 inch) during normal operation.

Federal Communications Commission (FCC) RF Exposure Requirements

SAR compliance has been established in the laptop computer(s) configurations with PCMCIA slot on the side near the center, as tested in the application for certification, and can be used in laptop computer(s) with substantially similar physical dimensions, construction, and electrical and RF characteristics. Use in other devices such as PDAs or lap pads is not authorized. This transmitter is restricted for use with the specific antenna tested in the application for certification. The antenna(s) used for this transmitter must not be co-located or operating in conjunction with any other antenna or transmitter.

R&TTE Compliance Statement

This equipment complies with all the requirements of DIRECTIVE 1999/5/EC OF THE EUROPEAN PARLIAMENT AND THE COUNCIL of March 9, 1999 on radio equipment and telecommunication terminal equipment and the mutual recognition of their conformity (R&TTE). The R&TTE Directive repeals and replaces in the directive 98/13/EEC (Telecommunications Terminal Equipment and Satellite Earth Station Equipment) As of April 8, 2000.

Safety

This equipment is designed with the utmost care for the safety of those who install and use it. However, special attention must be paid to the dangers of electric shock and static electricity when working with electrical equipment. All guidelines of this and of the computer manufacture must therefore be allowed at all times to ensure the safe use of the equipment.

EU Countries Intended for Use

The ETSI version of this device is intended for home and office use in Austria, Belgium, Bulgaria, Cyprus, Czech, Denmark, Estonia, Finland, France, Germany, Greece, Hungary, Ireland, Italy, Latvia, Lithuania, Luxembourg, Malta, Netherlands, Poland, Portugal, Romania, Slovakia, Slovenia, Spain, Sweden, Turkey, and United Kingdom. The ETSI version of this device is also authorized for use in EFTA member states: Iceland, Liechtenstein, Norway, and Switzerland.

EU Countries Not Intended for Use

None



EU Declaration of Conformity

English: This equipment is in compliance with the essential requirements and other relevant

provisions of Directive 1995/5/EC, 2009/125/EC, 2006/95/EC, 2011/65/EC.

Français: Cet équipement est conforme aux exigences essentielles et autres dispositions de la

directive 1995/5/CE, 2009/125/CE, 2006/95/CE, 2011/65/CE.

Čeština: Toto zařízení je v souladu se základními požadavky a ostatními příslušnými ustanoveními

směrnic 1995/5/ES, 2009/125/ES, 2006/95/ES, 2011/65/ES.

Polski: Urządzenie jest zgodne z ogólnymi wymaganiami oraz szczególnymi warunkami

określonymi Dyrektywą UE 1995/5/EC, 2009/125/EC, 2006/95/EC, 2011/65/EC...

Română: Acest echipament este în conformitate cu cerințele esențiale și alte prevederi relevante ale

Directivei 1995/5/CE, 2009/125/CE, 2006/95/CE, 2011/65/CE.

Русский: Это оборудование соответствует основным требованиям и положениям Директивы

1995/5/EC, 2009/125/EC, 2006/95/EC, 2011/65/EC.

Magyar: Ez a berendezés megfelel az alapvető követelményeknek és más vonatkozó irányelveknek

(1995/5/EK, 2009/125/EK, 2006/95/EK, 2011/65/EK).

Türkçe: Bu cihaz 1995/5/EC, 2009/125/EC, 2006/95/EC, 2011/65/EC direktifleri zorunlu istekler ve

diğer hükümlerle ile uyumludur.

Українська: Обладнання відповідає вимогам і умовам директиви 1995/5/ЕС, 2009/125/ЕС,

2006/95/EC, 2011/65/EC.

Slovenčina: Toto zariadenie spĺňa základné požiadavky a ďalšie príslušné ustanovenia smerníc

1995/5/ES, 2009/125/ES, 2006/95/ES, 2011/65/ES.

Deutsch: Dieses Gerät erfüllt die Voraussetzungen gemäß den Richtlinien 1995/5/EC, 2009/125/EC,

2006/95/EC, 2011/65/EC.

Español: El presente equipo cumple los requisitos esenciales de la Directiva 1995/5/EC,

2009/125/EC, 2006/95/EC, 2011/65/EC.

Italiano: Questo apparecchio è conforme ai requisiti essenziali e alle altre disposizioni applicabili

della Direttiva 1995/5/CE, 2009/125/CE, 2006/95/CE, 2011/65/CE.

Nederlands: Dit apparaat voldoet aan de essentiële eisen en andere van toepassing zijnde bepalingen

van richtlijn 1995/5/EC, 2009/125/EC, 2006/95/EC, 2011/65/EC...

Português: Este equipamento cumpre os requesitos essênciais da Directiva 1995/5/EC, 2009/125/EC,

2006/95/EC, 2011/65/EC.

Norsk: Dette utstyret er i samsvar med de viktigste kravene og andre relevante regler i Direktiv

1995/5/EC, 2009/125/EC, 2006/95/EC, 2011/65/EC.

Svenska: Denna utrustning är i överensstämmelse med de väsentliga kraven och övriga relevanta

bestämmelser i direktiv 1995/5/EG, 2009/125/EG, 2006/95/EG, 2011/65/EG.

Dansk: Dette udstyr er i overensstemmelse med de væsentligste krav og andre relevante

forordninger i direktiv 1995/5/EC, 2009/125/EC, 2006/95/EC, 2011/65/EC.

suomen kieli: Tämä laite täyttää direktiivien 1995/5/EY, 2009/125/EY, 2006/95/EY, 2011/65/EY

oleelliset vaatimukset ja muut asiaankuuluvat määräykset.





WEEE Directive & Product Disposal



At the end of its serviceable life, this product should not be treated as household or general waste. It should be handed over to the applicable collection point for the recycling of electrical and electronic equipment, or returned to the supplier for disposal.



Declaration of Conformity

We, Edimax Technology Co., Ltd., declare under our sole responsibility, that the equipment described below complies with the requirements of the European R&TTE directives.

Equipment: Outdoor Access Point

Model No.: OAP1750

The following European standards for essential requirements have been followed:

Directives 1999/5/EC

Spectrum : ETSI EN 300 328 V1.9.1 (2015-02);

EMC : EN 301 489-1 V1.9.2 (2011-09);

EN301 489-17 V2.2.1(2012-09);

EN 301 893 V1.8.1(2015-03);

Safety (LVD) : IEC 60950-1:2005 (2nd Edition)+Am 1:2009+Am 2:2013

EN 60950-1:2006+A11:2009+A1:2010+A12:2011+A2:2013

Recommendation19 99/5/EC

EMF : EN 62311:2008

Directives 2006/95/EC; 2014/35/EU

Safety (LVD) : IEC 60950-1:2005 (2nd Edition)+Am 1:2009+Am 2:2013

EN 60950-1:2006+A11:2009+A1:2010+A12:2011+A2:2013

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New Taipei City, Taiwan

 $C \in$

Date of Signature: Dec, 2015

Signature:

Printed Name: Albert Chang

Title: Director

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