



Access Point Controller

English User's Manual



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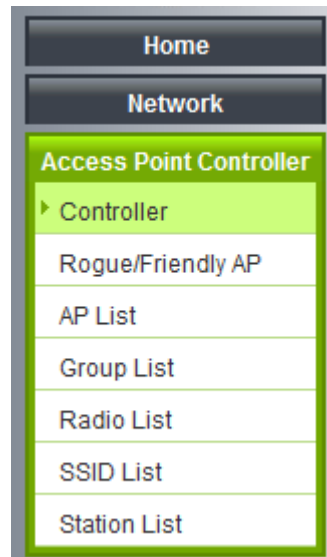
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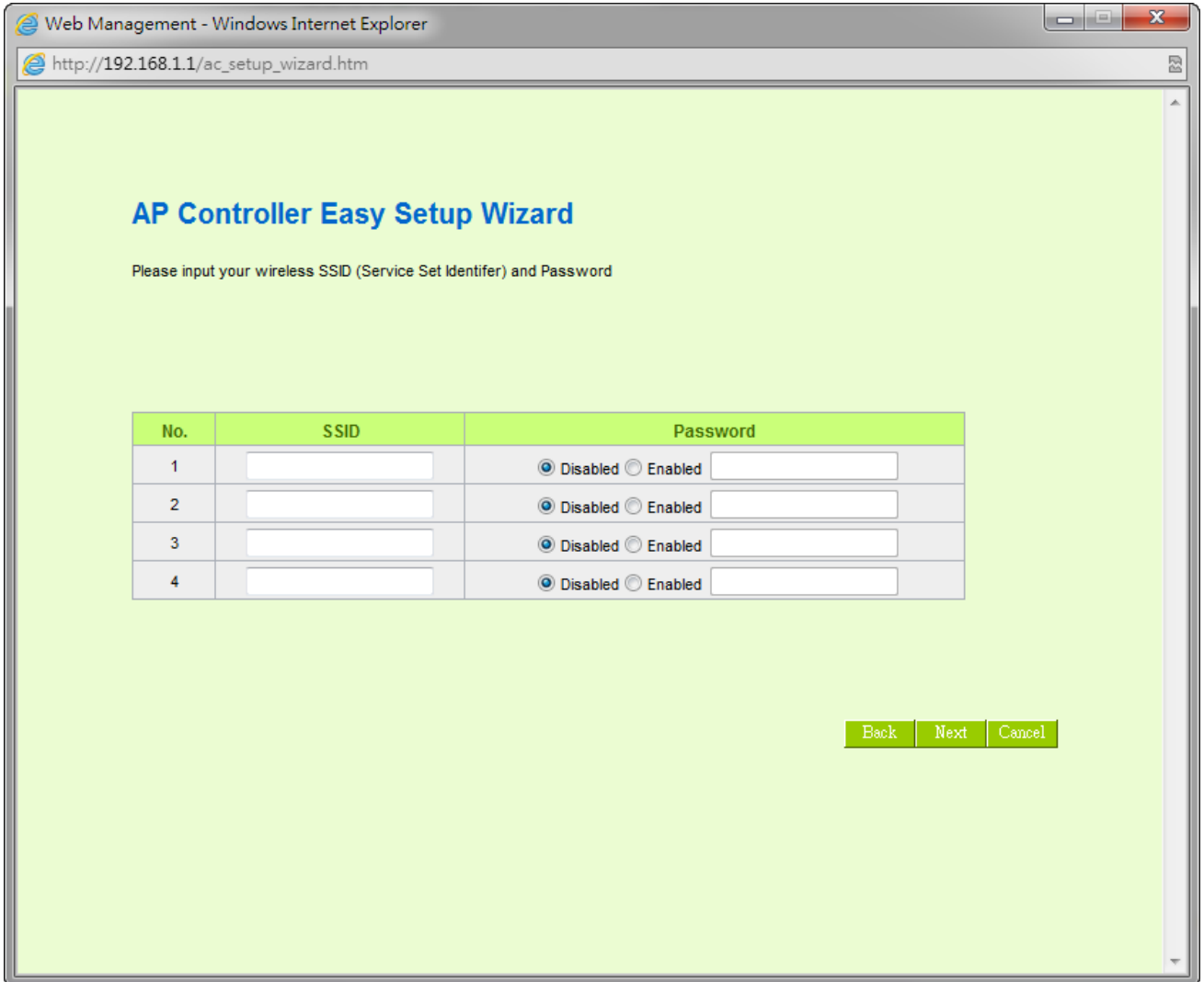
The Access Point Controller (APC) function can simultaneously manage multiple APs through a unified central interface, including modify wireless settings, import configuration files, firmware upgrades and AP restart. We can also monitor the wireless network status through the Web interface as well.



1. Easy Setup Wizard

The Easy Setup Wizard in Controller page can help you finish local AP settings through some simple steps.

Follow the steps from the Wizard by entering the SSID and Password you choose



Web Management - Windows Internet Explorer
http://192.168.1.1/ac_setup_wizard.htm

AP Controller Easy Setup Wizard

Please input your wireless SSID (Service Set Identifier) and Password

No.	SSID	Password
1	<input type="text"/>	<input checked="" type="radio"/> Disabled <input type="radio"/> Enabled <input type="text"/>
2	<input type="text"/>	<input checked="" type="radio"/> Disabled <input type="radio"/> Enabled <input type="text"/>
3	<input type="text"/>	<input checked="" type="radio"/> Disabled <input type="radio"/> Enabled <input type="text"/>
4	<input type="text"/>	<input checked="" type="radio"/> Disabled <input type="radio"/> Enabled <input type="text"/>

Back Next Cancel

When done, put the AP into Local AP Mode.

▶ **AP Mode**

AP Mode :	<input checked="" type="radio"/> Standalone Wireless Router <input type="radio"/> Remote AP <input type="radio"/> Local AP
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▶ **AC Address**

IP Address	:	<input type="text"/>	.	<input type="text"/>	.	<input type="text"/>	.	<input type="text"/>
<input type="button" value="Add to list"/>								
<input type="button" value="Delete selected item"/>								

The AP will automatically restart, then connect the LAN port of AP to a LAN port of the APC, and the wireless settings will be configured to the AP.

2. Local and Remote AP Modes

Some AP can be configured as Local AP or Remote AP. The AP will automatically restart after changing Modes.

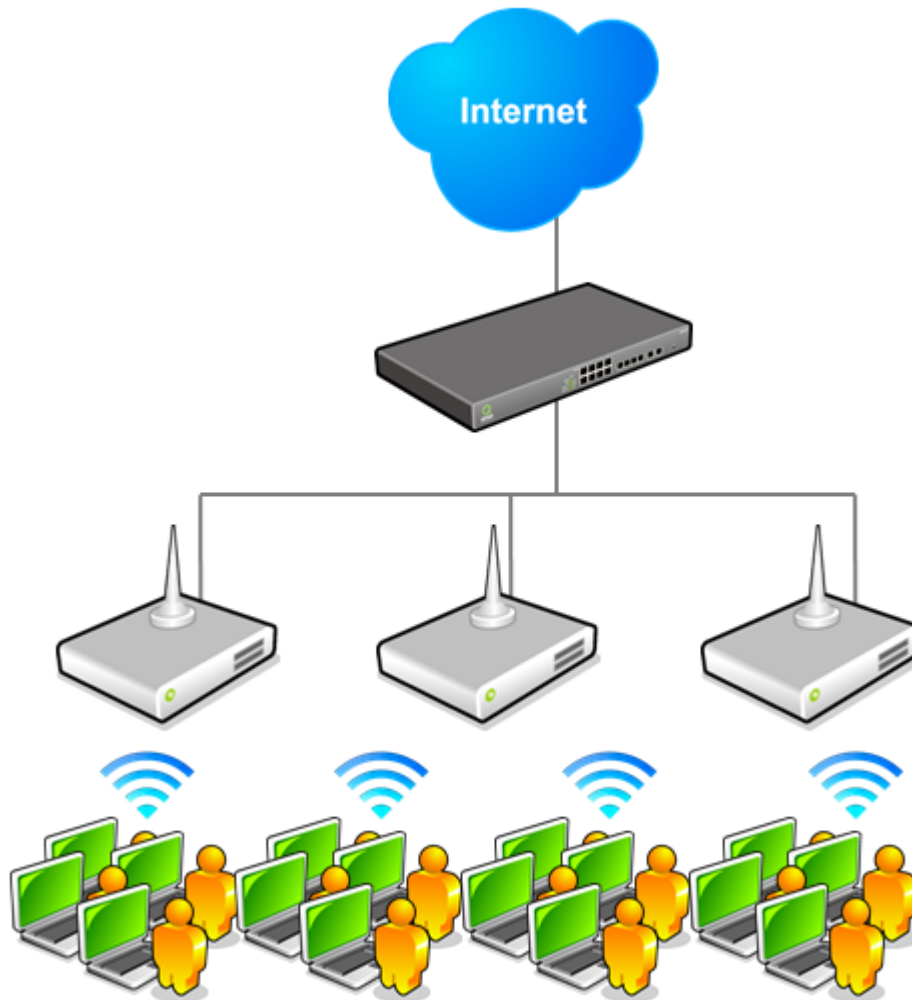
▶ AP Mode

AP Mode :	<input checked="" type="radio"/> Standalone Wireless Router
	<input type="radio"/> Remote AP
	<input type="radio"/> Local AP

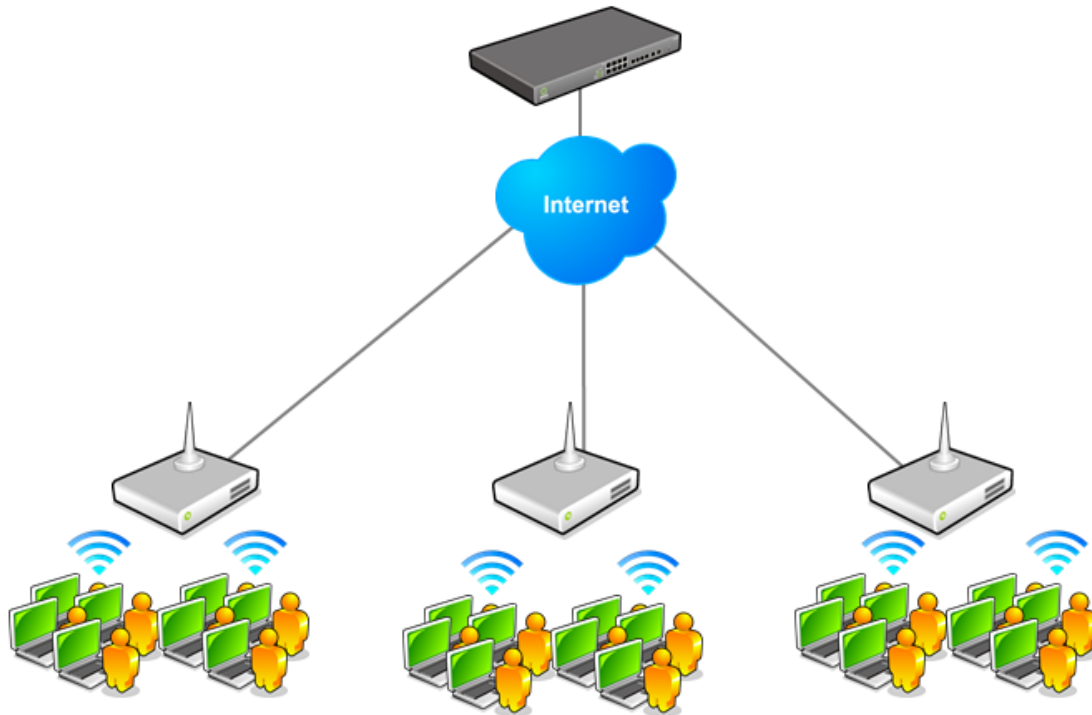
▶ AC Address

IP Address	:	<input type="text"/>	.	<input type="text"/>	.	<input type="text"/>	.	<input type="text"/>
<input type="button" value="Add to list"/>								
<div style="border: 1px solid black; height: 100px; width: 100%;"></div>								
<input type="button" value="Delete selected item"/>								

Under Local AP Mode, the AP connected to one of the APC's LAN ports. While in this mode, the NAT will not be functional, and the UI will only allow the changing of the AP modes



Under Remote AP Mode, the NAT feature will still be operational in translating IPs. While in this mode, the AP and its UI, is functionally the same as a standalone AP, the only difference being the configurations and modifications of setting are done through the APC. When configuring the AP to Remote AP Mode, the IP Address of the APC must be entered.



Please reference the AP User's Manual for other settings related to Remote AP Mode.

3. Adding a SSID List

SSID Profile settings page

▶ SSID Profile

SSID Profile Name :	<input type="text"/>
SSID :	<input type="text"/>
Broadcast SSID :	<input checked="" type="radio"/> Enabled <input type="radio"/> Disabled
AP Isolation :	<input type="radio"/> Enabled <input checked="" type="radio"/> Disabled
Guest Access :	<input type="radio"/> Enabled <input checked="" type="radio"/> Disabled <input type="button" value="Protect Subnet"/>
VLAN :	<input type="text"/>
802.1p :	<input type="text" value="0"/>
Station Max :	<input type="text" value="25"/>
Flow Limit :	Upstream : <input type="text" value="0"/> Kbit/sec Downstream : <input type="text" value="0"/> Kbit/sec

▶ Security Mode

Auth Mode :	<input type="text" value="Disabled"/>
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- **SSID Profile Name**
- **SSID Name**
- **Broadcast SSID:** if enabled, the SSID name will be broadcasted to all clients. When Broadcast SSID is disabled, clients will have to manually enter SSID name to connect to this network.
- **AP Isolation:** when enabled, any wireless clients of this SSID will not be able to connect other wireless clients.
- **Guest Access:** when enabled, any wireless client of this SSID can only connect to the Internet.
- **VLAN:** the 802.1q VLAN Tag ID of this SSID.
- **802.1p:** the 802.1p value of this SSID.
- **Station Max:** the maximum number of clients that can connect to this SSID on this device.
- **Flow Limit:** the upload and download limits of this SSID's clients.
- **Security Mode:** the authentication and encryption methods of this SSID.

▶ **Access Filter**

[Show new MAC address](#)

Policy : Disabled ▾

Add Station MAC : - - - - -

Name :

[Add to list](#)

[Delete selected item](#)

- **Access Filter:** black list or white list settings for this SSID.

4. Adding a Radio List

Radio Profile settings page:

▶ Radio Profile

Radio Profile Name :	<input type="text"/>
Radio Type :	2.4G
Network Mode :	11bgn Mixed Mode ▾
Country Code :	TW (Taiwan) ▾
Tx Power :	100 (Range 1-100, Default 100)
Channel Bandwidth :	<input type="radio"/> 20 <input checked="" type="radio"/> 20/40
SSID1 :	Default ▾
SSID2 :	None ▾
SSID3 :	None ▾
SSID4 :	None ▾
	<input type="button" value="Add SSID Profile"/>

- **Radio Profile Name**
- **Radio Type**
- **Network Mode:** choose between the different 802.11 modes.
- **Country Code:** choose your country or the same country that uses the same wireless channels, some wireless channels are not available in certain countries.
- **Tx Power**
- **Channel Bandwidth:** this is available only when a Network Mode with 802.11n is selected. You can choose whether to use the 20MHz channel only or both 20/40MHz (auto switching) channels.
- **SSID 1~4:** choose the SSID that should be used by this Radio Profile.

5. Adding a Group List

Group Profile settings page:

▶ Group Profile

Group Profile Name :	<input type="text"/>
Radio 2.4G :	Default <input type="button" value="Add Radio Profile"/>
Radio 5G :	Default <input type="button" value="Add Radio Profile"/>
Keep Radio On :	<input checked="" type="radio"/> Enabled <input type="radio"/> Disabled

▶ Associated AP

MAC Address :	<input type="text"/> - <input type="text"/> - <input type="text"/> - <input type="text"/> - <input type="text"/> - <input type="text"/>
Name :	<input type="text"/>
<input type="button" value="Add to list"/>	

- **Radio:** choose the Radio Profile this group will use.
- **Keep Radio On:** if enabled, when AP lose its connection to APC, it will keep its wireless radio on and provides local wireless connection (**Remote AP Mode only**).
- **Associated AP:** the APs associated with the Group, can be added manually or by using the tables below.

6. Station List

▶ Station List

Enable Auto Refresh Every

Show More Fields

Jump to /Page

entries per page

[Next Page >>](#)

No.	Name / MAC Address ▲	Associated AP ▲	IP Address ▲	SSID ▲
1		office	192.168.20.111	QNO
2		office	192.168.20.101	QNO
3		lab	192.168.30.101	QnoFAE
4		lab	192.168.30.127	QnoFAE
5		lab	192.168.40.102	QNO_1X

- **Enable Auto Refresh Every:** auto refreshes this list on every selected intervals
- **Show More Fields:** select or de-select the fields to show in the table below
- **Add Station Name:** manually enter the Name and MAC Address of a station, Station Names will be shown in Station List instead of MAC Address.

7. Group Management

You can restart, import configuration file, or firmware upgrade a group of APs in the Group List page.

▶ Group Restart

Group :

▶ Group Import Configuration File

Group :

▶ Group Firmware Upgrade

Group :

The Group Schedule section can set the functions above into scheduled within a week in a specific time.

▶ Group Schedule

Action :
 Group :
 Time : Sun. Mon. Tue. Wed. Thu. Fri. Sat.
 :

Scheduled actions will be executed at specified time and day, results will be recorded in System Log. The executed schedule will then be removed from the list except for Periodic Restart, which will not be removed after execution.