

Used Model by :



| AS-AP515915ACN-S |  
| AS-AP515904ACNO-S |  
| AS-AP515919ACN-S | | AS-AP515919ACNO-S |  
| AS-AP515920ACN-S | | AS-AP515920ACNO-S |  
| AS-AP515923ACN-S | | AS-AP515923ACNO-S |  
| AS-AP5159X51ACN-S | | AS-AP5159X52ACN-S |  
| AS-AP245915X51ACN-S | | AS-AP2459X52ACN-S |  
| AS-AP24590819ACN-S | | AS-AP24590820ACN-S | | AS-AP24590823ACN-S |

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# User Manual Quick Setup Wizard v1.03

## Specifications



5150~5250MHz full frequency band supports a minimum cut frequency every 5MHz

**Band support**

**Wireless Specification**

802.11 a/n/ac standard specification  
The highest bandwidth transmission rate can reach 867Mbps



Recommended transmission distance 1~2KM

**Scope of use**

**Watch Dogs**

Support dual hardware to watch the door, the device will restart automatically when the device crashes or the packet is blocked

## Step 1 : Modify the network segment of the computer network card

**AP Mode Setup** : IP do not use 192.168.2.66

**Client Mode Setup** : IP do not use 192.168.2.66



Internet Protocol Version 4 (TCP/IPv4) Properties

General

You can get IP settings assigned automatically if your network supports this capability. Otherwise, you need to ask your network administrator for the appropriate IP settings.

Obtain an IP address automatically

Use the following IP address:

IP address: 192 . 168 . 2 . 253

Subnet mask: 255 . 255 . 255 . 0

Default gateway: . . .

Obtain DNS server address automatically

Use the following DNS server addresses:

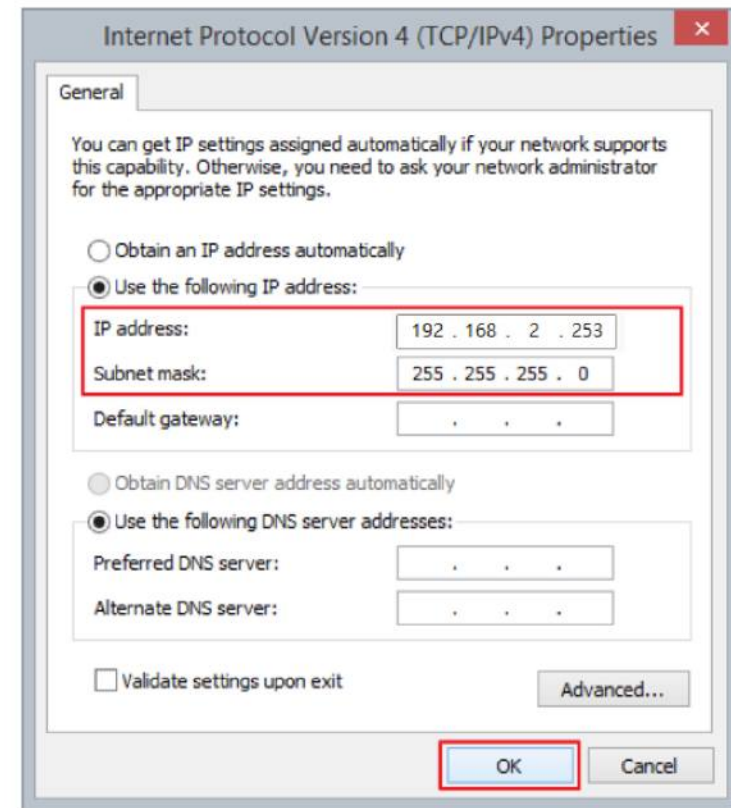
Preferred DNS server: . . .

Alternate DNS server: . . .

Validate settings upon exit

Advanced...

OK Cancel



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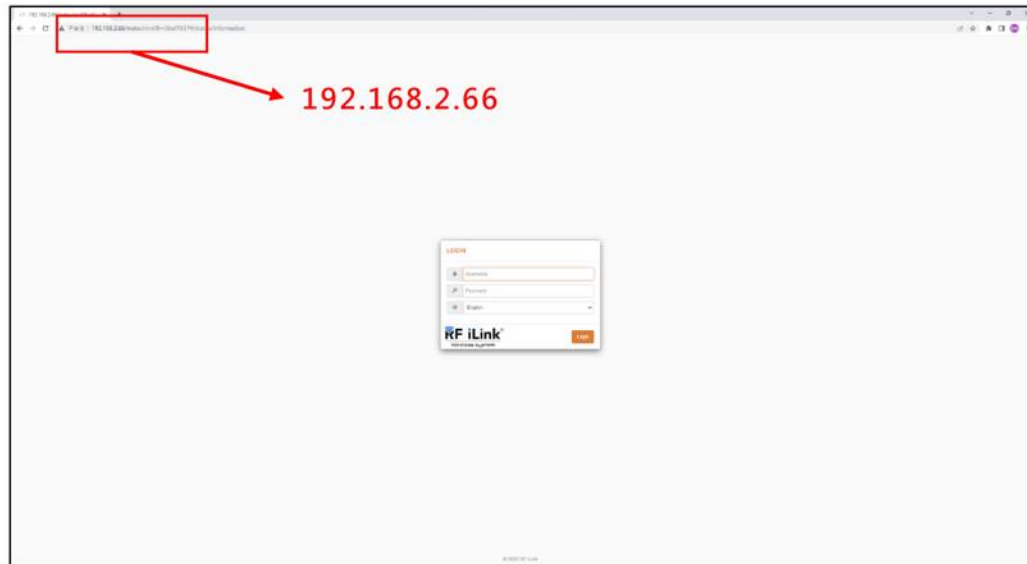
Validate settings upon exit

Advanced...

OK Cancel

## Step 2 : Use Default IP to Login

**AP Mode Setup** : Open Web and Keyin IP : 192.168.2.66

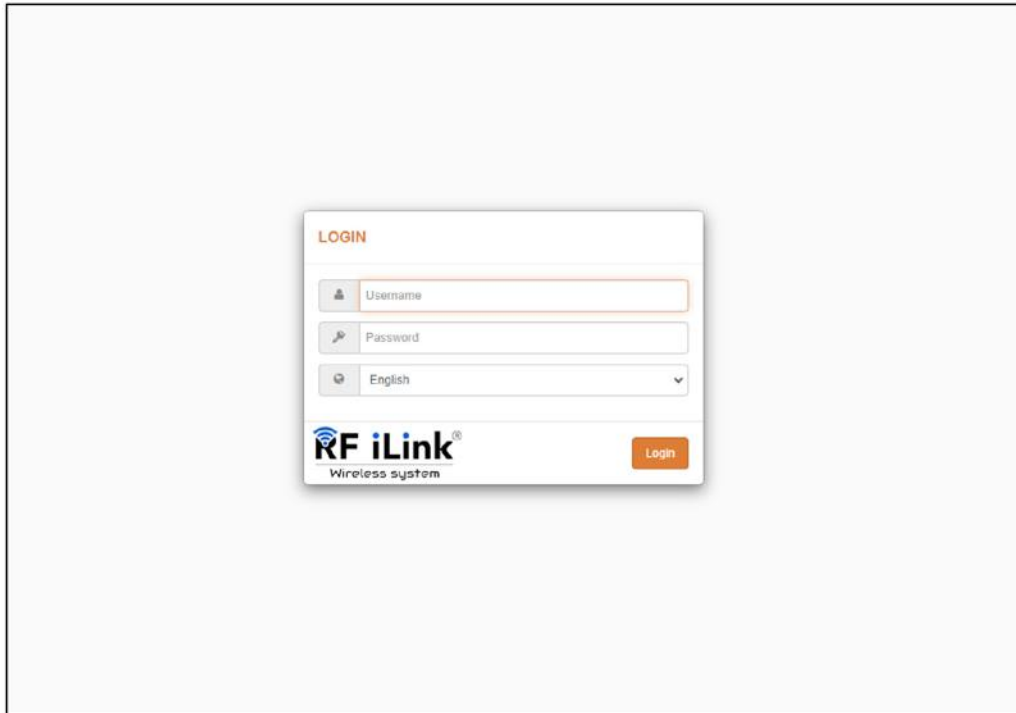


**Client Mode Setup** : Open Web and Keyin IP : 192.168.2.66



## Step 3 : Login to AP

**AP Mode Setup** : ID : admin / Password : admin01 · choose your Language



The screenshot shows a login form titled "LOGIN" with the following fields:

- Username:
- Password:
- Language:

At the bottom left is the "RF iLink" logo with "Wireless system" below it. At the bottom right is an orange "Login" button.

**Client Mode Setup** : ID : admin / Password : admin01 · choose your Language



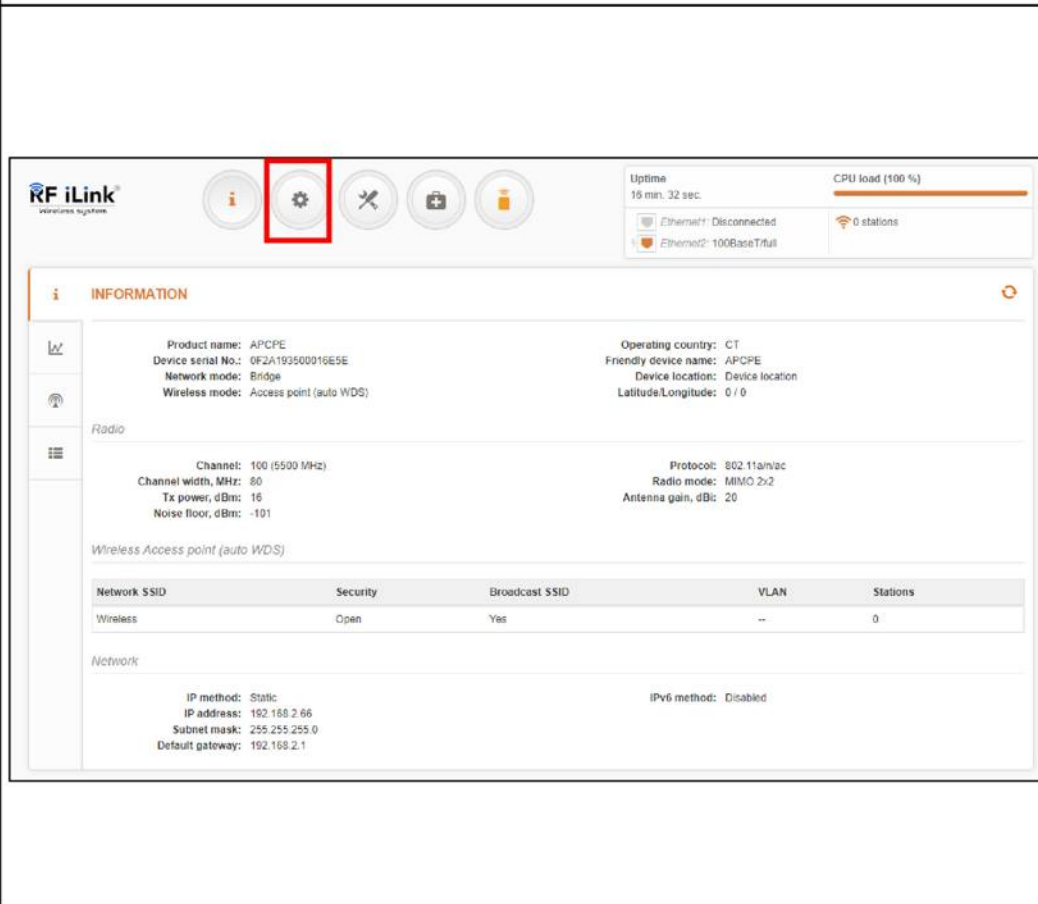
The screenshot shows a login form titled "LOGIN" with the following fields:

- Username:
- Password:
- Language:

At the bottom left is the "RF iLink" logo with "Wireless system" below it. At the bottom right is an orange "Login" button.

## Step 4 : Setup Wireless Information

**AP Mode Setup** : Choose settings button



RF iLink wireless system

Uptime: 16 min. 32 sec. CPU load (100 %)

Ethernet1: Disconnected Ethernet2: 100BaseT/Full 0 stations

### INFORMATION

Product name: APCPE  
Device serial No.: 0F2A193500016E5E  
Network mode: Bridge  
Wireless mode: Access point (auto WDS)

Operating country: CT  
Friendly device name: APCPE  
Device location: Device location  
Latitude/Longitude: 0 / 0

**Radio**

Channel: 100 (5500 MHz)  
Channel width, MHz: 80  
Tx power, dBm: 16  
Noise floor, dBm: -101

Protocol: 802.11a/n/ac  
Radio mode: MIMO 2x2  
Antenna gain, dBi: 20

**Wireless Access point (auto WDS)**

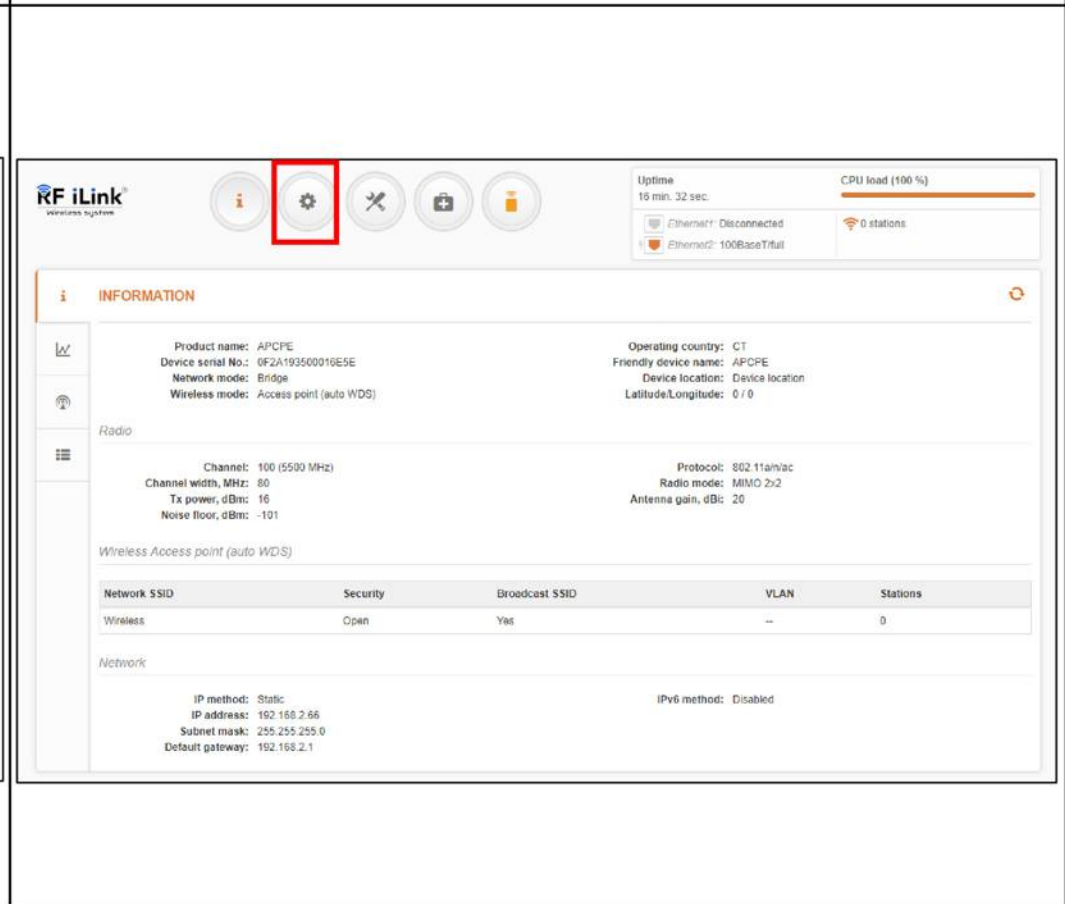
| Network SSID | Security | Broadcast SSID | VLAN | Stations |
|--------------|----------|----------------|------|----------|
| Wireless     | Open     | Yes            | --   | 0        |

**Network**

IP method: Static  
IP address: 192.168.2.66  
Subnet mask: 255.255.255.0  
Default gateway: 192.168.2.1

IPv6 method: Disabled

**Client Mode Setup** : Choose settings button



RF iLink wireless system

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Ethernet1: Disconnected Ethernet2: 100BaseT/Full 0 stations

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**Wireless Access point (auto WDS)**

| Network SSID | Security | Broadcast SSID | VLAN | Stations |
|--------------|----------|----------------|------|----------|
| Wireless     | Open     | Yes            | --   | 0        |

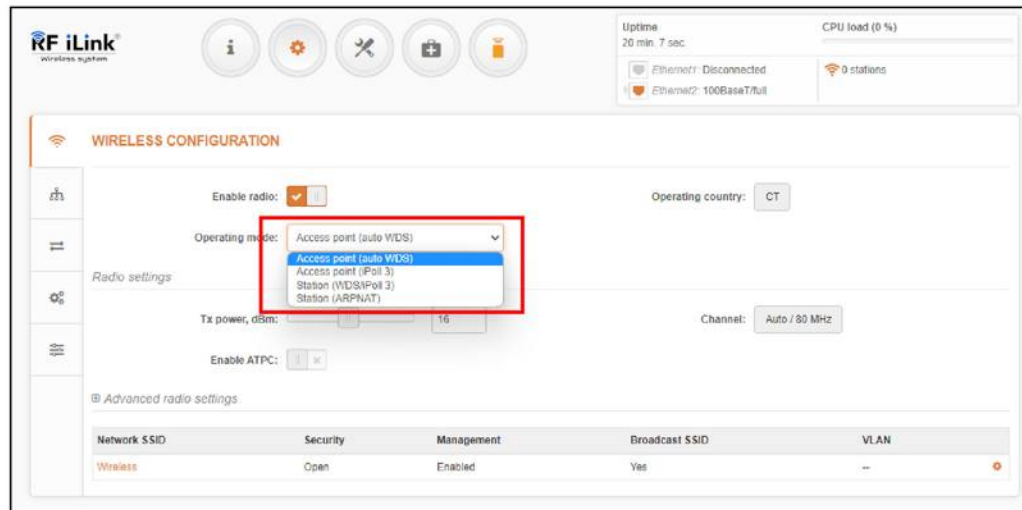
**Network**

IP method: Static  
IP address: 192.168.2.66  
Subnet mask: 255.255.255.0  
Default gateway: 192.168.2.1

IPv6 method: Disabled

## Step 5 : Setup Operation mode

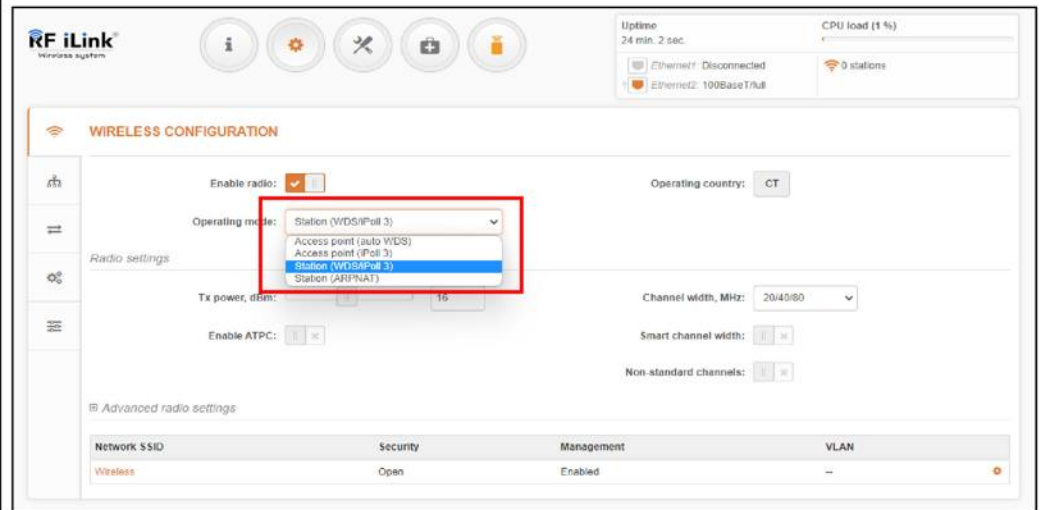
**AP Mode Setup** : Operating mode choose "Access Point"



The screenshot shows the RF iLink Wireless Configuration page. The 'Operating mode' dropdown menu is open, and 'Access point (auto WDS)' is selected. The 'Enable radio' checkbox is checked. The 'Operating country' is set to 'CT'. The 'Tx power, dBm' is set to 16. The 'Channel' is set to 'Auto / 80 MHz'. The 'Enable ATPC' checkbox is unchecked. The 'Advanced radio settings' section is expanded, showing a table with columns: Network SSID, Security, Management, Broadcast SSID, and VLAN.

| Network SSID | Security | Management | Broadcast SSID | VLAN |
|--------------|----------|------------|----------------|------|
| Wireless     | Open     | Enabled    | Yes            | --   |

**Client Mode Setup** : Operating mode choose "Station"

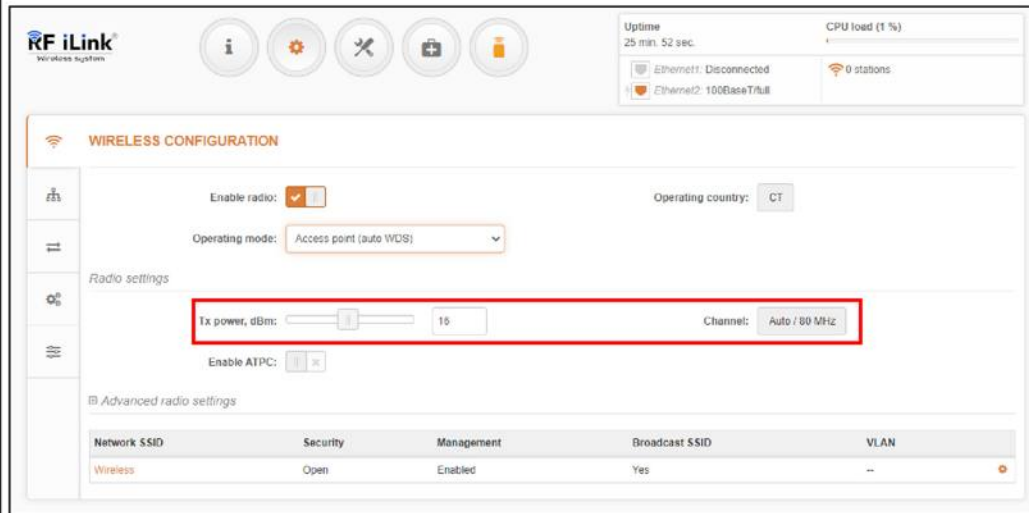


The screenshot shows the RF iLink Wireless Configuration page. The 'Operating mode' dropdown menu is open, and 'Station (WDS/FPoll 3)' is selected. The 'Enable radio' checkbox is checked. The 'Operating country' is set to 'CT'. The 'Tx power, dBm' is set to 16. The 'Channel width, MHz' is set to '20/40/80'. The 'Smart channel width' and 'Non-standard channels' are set to 'x'. The 'Enable ATPC' checkbox is unchecked. The 'Advanced radio settings' section is expanded, showing a table with columns: Network SSID, Security, Management, and VLAN.

| Network SSID | Security | Management | VLAN |
|--------------|----------|------------|------|
| Wireless     | Open     | Enabled    | --   |

## Step 6 : Setup TX Power · Channel

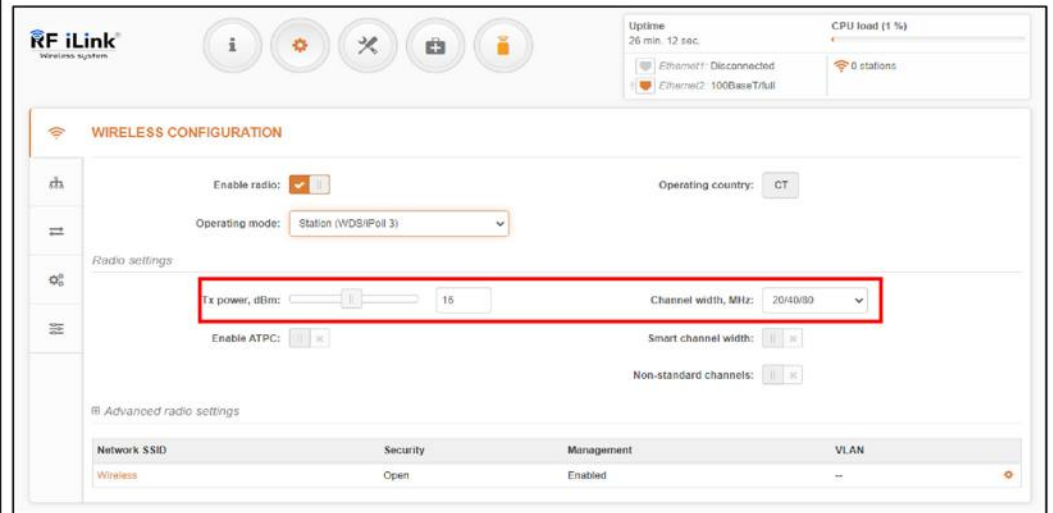
**AP Mode Setup** : TX Power use 16dBm · Channel choose Auto / 80MHz



The screenshot shows the RF iLink Wireless Configuration page. The 'WIRELESS CONFIGURATION' section is active. The 'Enable radio' checkbox is checked. The 'Operating mode' is set to 'Access point (auto WDS)'. The 'Radio settings' section is expanded, showing 'Tx power, dBm' set to 16 and 'Channel' set to 'Auto / 80 MHz'. The 'Advanced radio settings' table is visible at the bottom.

| Network SSID | Security | Management | Broadcast SSID | VLAN |
|--------------|----------|------------|----------------|------|
| Wireless     | Open     | Enabled    | Yes            | --   |

**Client Mode Setup** : TX Power use 16dBm · Channel choose 20/40/80MHz



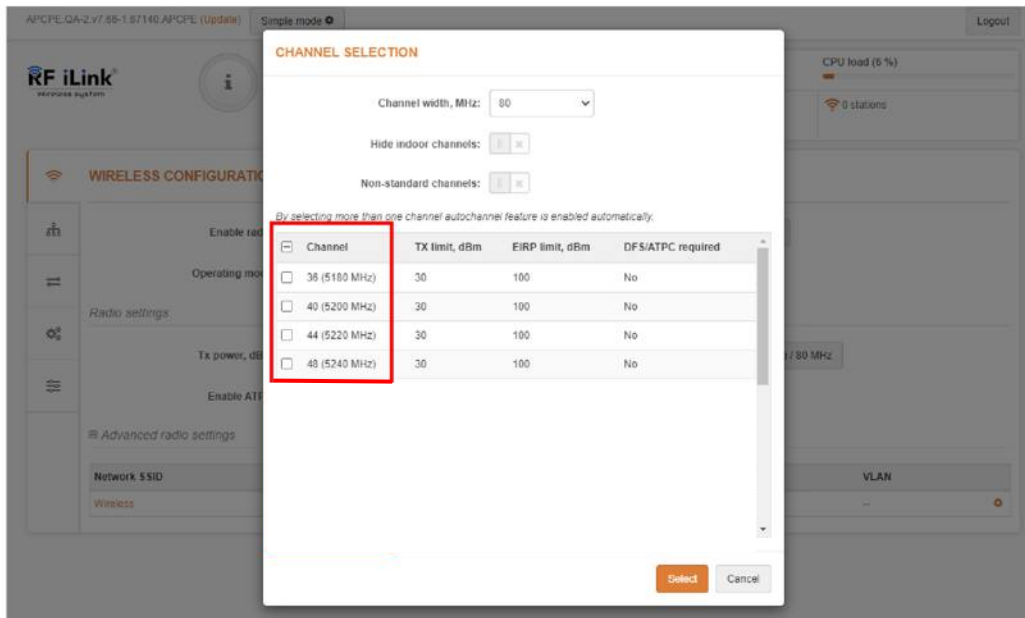
The screenshot shows the RF iLink Wireless Configuration page. The 'WIRELESS CONFIGURATION' section is active. The 'Enable radio' checkbox is checked. The 'Operating mode' is set to 'Station (WDS/IPoL 3)'. The 'Radio settings' section is expanded, showing 'Tx power, dBm' set to 16 and 'Channel width, MHz' set to '20/40/80'. The 'Advanced radio settings' table is visible at the bottom.

| Network SSID | Security | Management | VLAN |
|--------------|----------|------------|------|
| Wireless     | Open     | Enabled    | --   |



## Step 7 : Setup individual frequencies Channel

**AP Mode Setup** : If you do not auto channel · you can fixed a frequency



CHANNEL SELECTION

Channel width, MHz: 80

Hide indoor channels: [x]

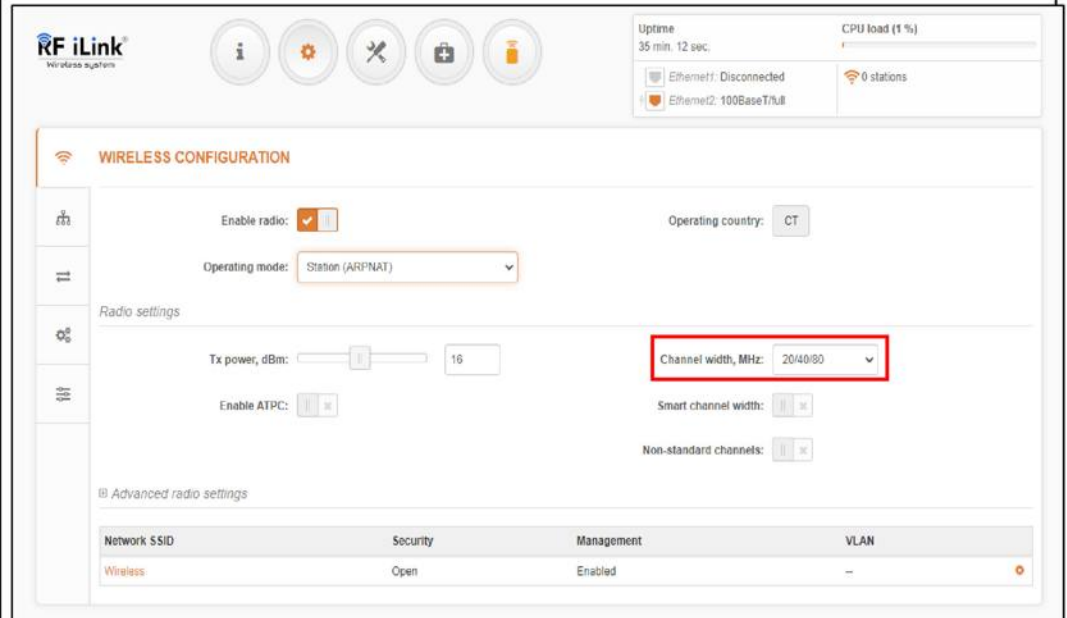
Non-standard channels: [x]

By selecting more than one channel autochannel feature is enabled automatically.

| Channel                                | TX limit, dBm | EIRP limit, dBm | DFS/ATPC required |
|--|---------------|-----------------|-------------------|
| <input type="checkbox"/> 36 (5180 MHz) | 30            | 100             | No                |
| <input type="checkbox"/> 40 (5200 MHz) | 30            | 100             | No                |
| <input type="checkbox"/> 44 (5220 MHz) | 30            | 100             | No                |
| <input type="checkbox"/> 48 (5240 MHz) | 30            | 100             | No                |

Select Cancel

**Client Mode Setup** : Station mode still use 20/40/80MHz



RF iLink Wireless system

Uptime: 35 min. 12 sec. CPU load (1 %)

Ethernet1: Disconnected 0 stations

Ethernet2: 100BaseT/Full

WIRELESS CONFIGURATION

Enable radio: [checked]

Operating mode: Station (ARP/NAT)

Operating country: CT

Radio settings

Tx power, dBm: 16

Channel width, MHz: 20/40/80

Enable ATPC: [x]

Smart channel width: [x]

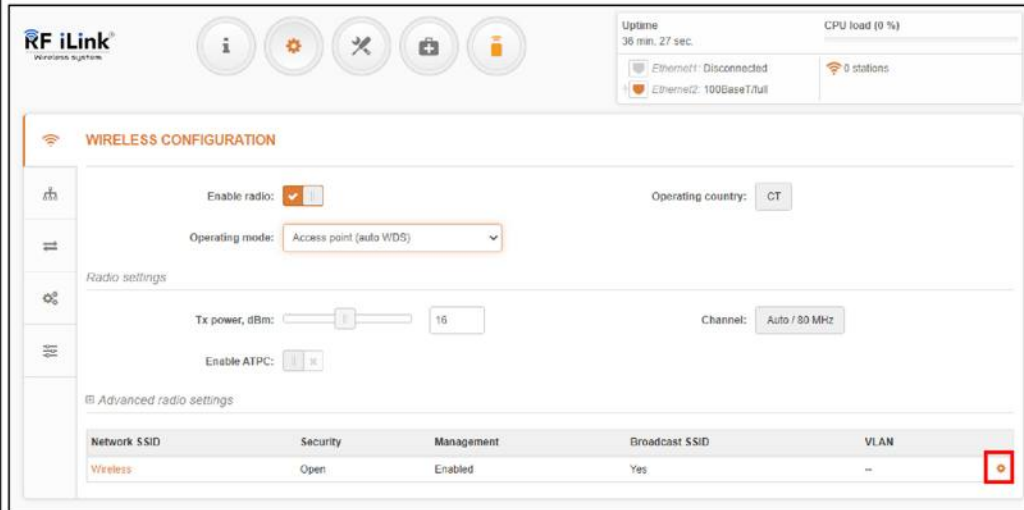
Non-standard channels: [x]

Advanced radio settings

| Network SSID | Security | Management | VLAN |
|--------------|----------|------------|------|
| Wireless     | Open     | Enabled    | -    |

## Step 8 : Setup SSID · Security

**AP Mode Setup** : Choose settings button to setup SSID / security



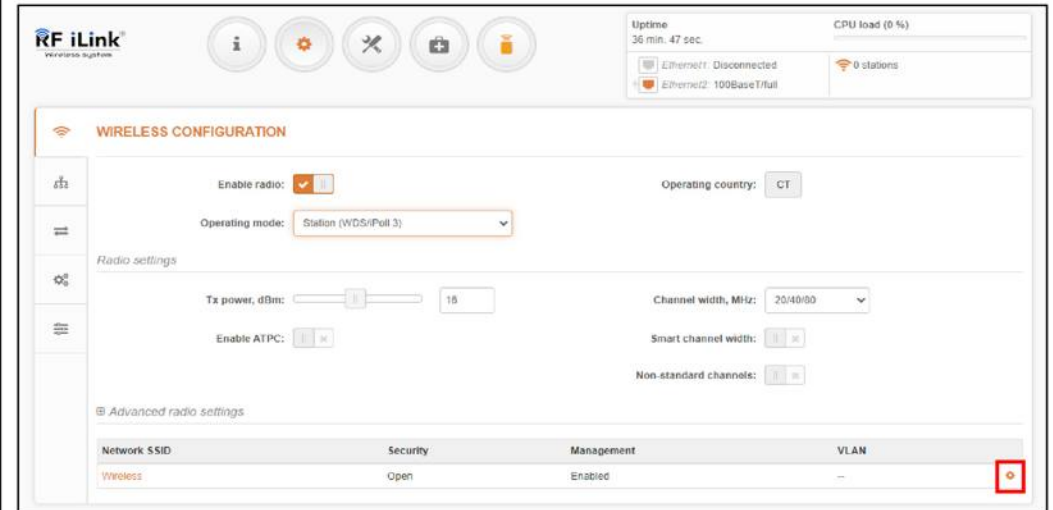
The screenshot shows the RF iLink web interface for AP Mode Setup. The top navigation bar includes icons for Home, Settings, Tools, Security, and Help. The main content area is titled "WIRELESS CONFIGURATION" and contains the following settings:

- Enable radio:
- Operating country: CT
- Operating mode: Access point (auto WDS)
- Radio settings: Tx power, dBm: 16; Channel: Auto / 80 MHz; Enable ATPC:
- Advanced radio settings table:

| Network SSID | Security | Management | Broadcast SSID | VLAN |
|--------------|----------|------------|----------------|------|
| Wireless     | Open     | Enabled    | Yes            | --   |

A red square highlights the settings icon in the bottom right corner of the table.

**Client Mode Setup** : Choose settings button to setup SSID / security



The screenshot shows the RF iLink web interface for Client Mode Setup. The top navigation bar includes icons for Home, Settings, Tools, Security, and Help. The main content area is titled "WIRELESS CONFIGURATION" and contains the following settings:

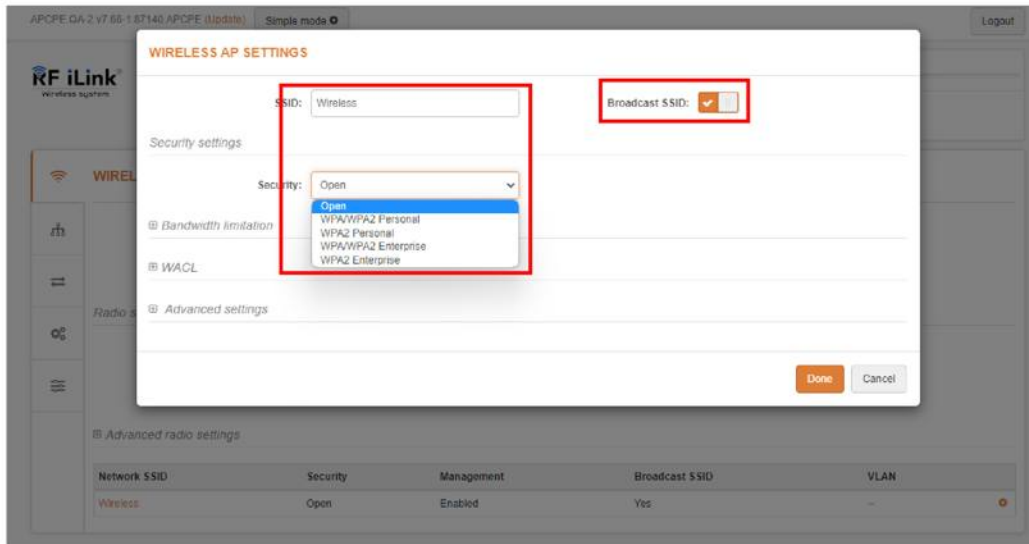
- Enable radio:
- Operating country: CT
- Operating mode: Station (WDS/Poll 3)
- Radio settings: Tx power, dBm: 15; Channel width, MHz: 20/40/80; Smart channel width: ; Non-standard channels:
- Advanced radio settings table:

| Network SSID | Security | Management | VLAN |
|--------------|----------|------------|------|
| Wireless     | Open     | Enabled    | --   |

A red square highlights the settings icon in the bottom right corner of the table.

## Step 9 : Setup SSID、Security

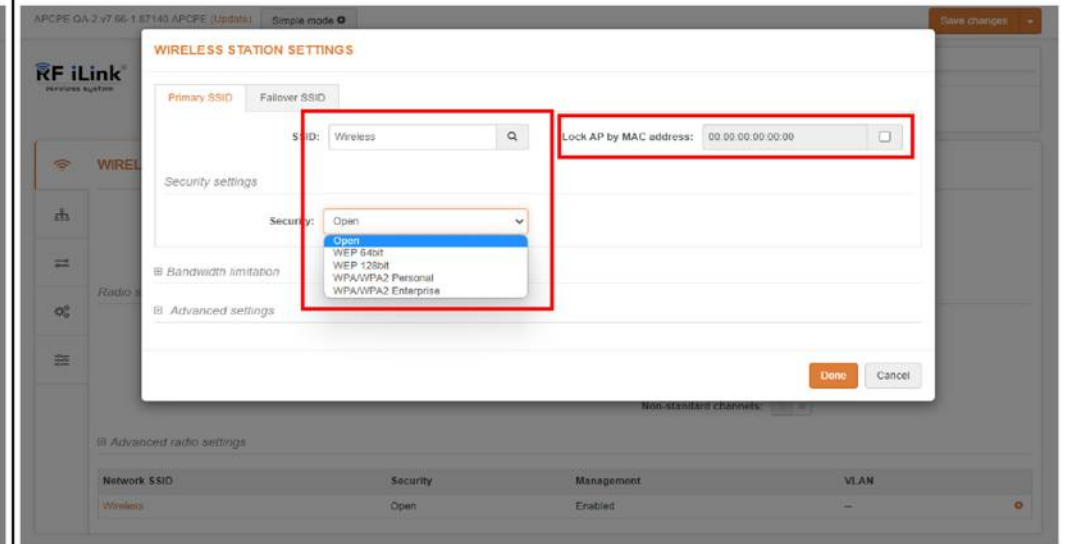
**AP Mode Setup** : Setting SSID、Security、Hide or Broadcast SSID



The screenshot shows the 'WIRELESS AP SETTINGS' dialog box. The 'SSID' field is set to 'Wireless'. The 'Broadcast SSID' checkbox is checked. The 'Security' dropdown menu is open, showing options: Open, WPA/WPA2 Personal, WPA2 Personal, WPA/WPA2 Enterprise, and WPA2 Enterprise. The 'Done' button is highlighted.

| Network SSID | Security | Management | Broadcast SSID | VLAN |
|--------------|----------|------------|----------------|------|
| Wireless     | Open     | Enabled    | Yes            | -    |

**Client Mode Setup** : Setting SSID、Security、and lock AP MAC address



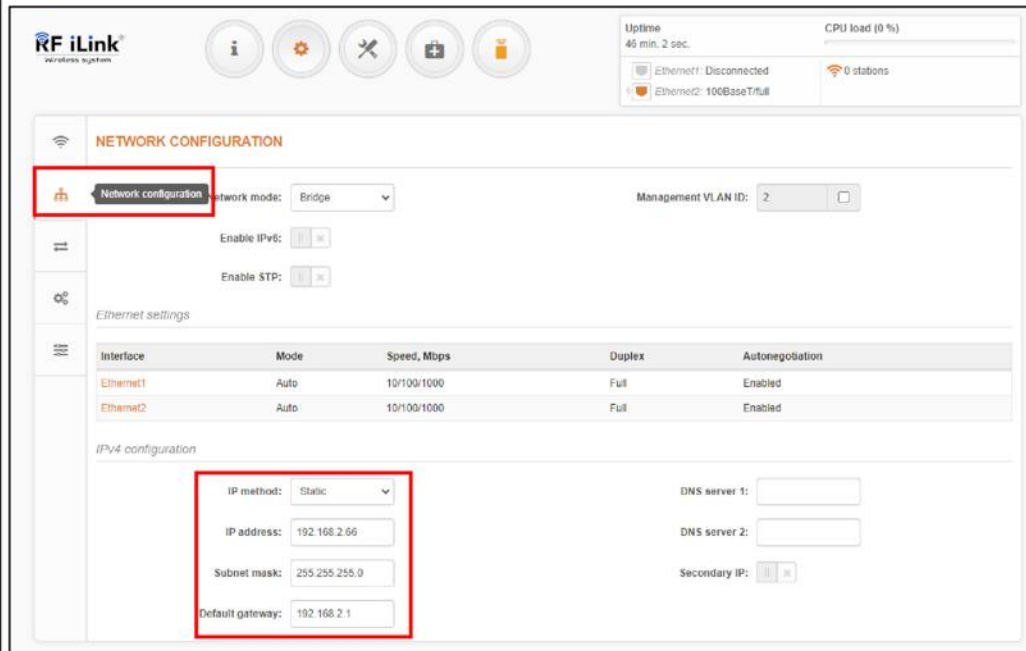
The screenshot shows the 'WIRELESS STATION SETTINGS' dialog box. The 'SSID' field is set to 'Wireless'. The 'Lock AP by MAC address' checkbox is checked. The 'Security' dropdown menu is open, showing options: Open, WEP 64bit, WEP 128bit, WPA/WPA2 Personal, and WPA/WPA2 Enterprise. The 'Done' button is highlighted.

| Network SSID | Security | Management | VLAN |
|--------------|----------|------------|------|
| Wireless     | Open     | Enabled    | -    |

## Step 10 : Setup IP、Mask、Gateway and DNS

**AP Mode Setup** : Choose Network configuration to setup IP/Mask/Gateway

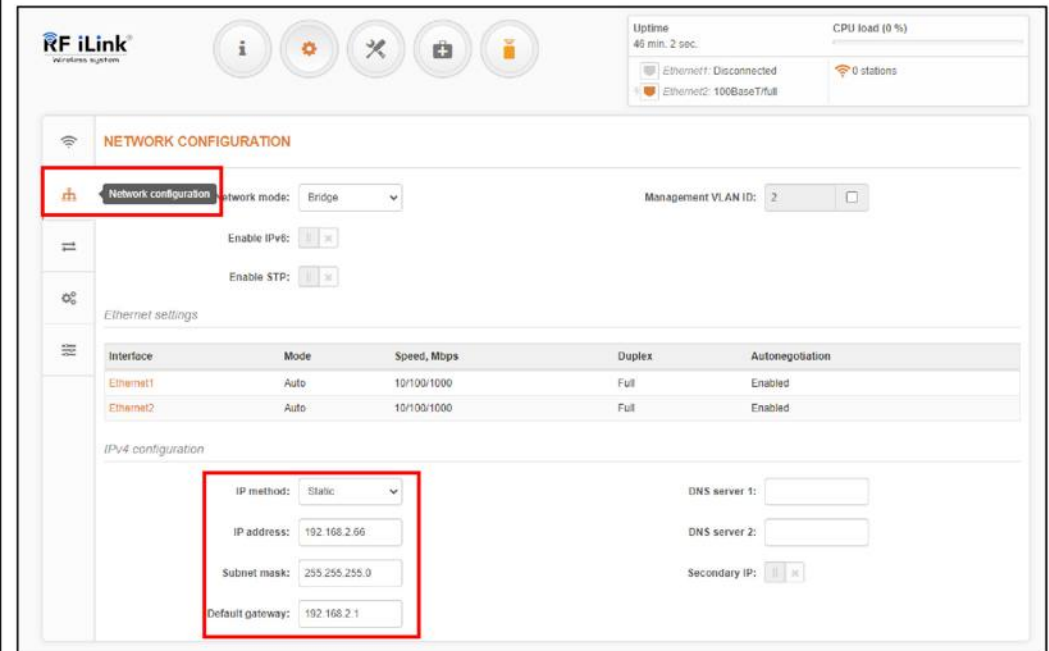
**Client Mode Setup** : Choose Network configuration to setup IP/Mask/Gateway



The screenshot shows the 'NETWORK CONFIGURATION' page in AP Mode. The 'Network configuration' tab is selected and highlighted with a red box. The 'Network mode' is set to 'Bridge'. The 'Management VLAN ID' is set to 2. The 'IPv4 configuration' section is highlighted with a red box, showing the following settings:

- IP method: Static
- IP address: 192.168.2.66
- Subnet mask: 255.255.255.0
- Default gateway: 192.168.2.1

| Interface | Mode | Speed, Mbps | Duplex | Autonegotiation |
|-----------|------|-------------|--------|-----------------|
| Ethernet1 | Auto | 10/100/1000 | Full   | Enabled         |
| Ethernet2 | Auto | 10/100/1000 | Full   | Enabled         |



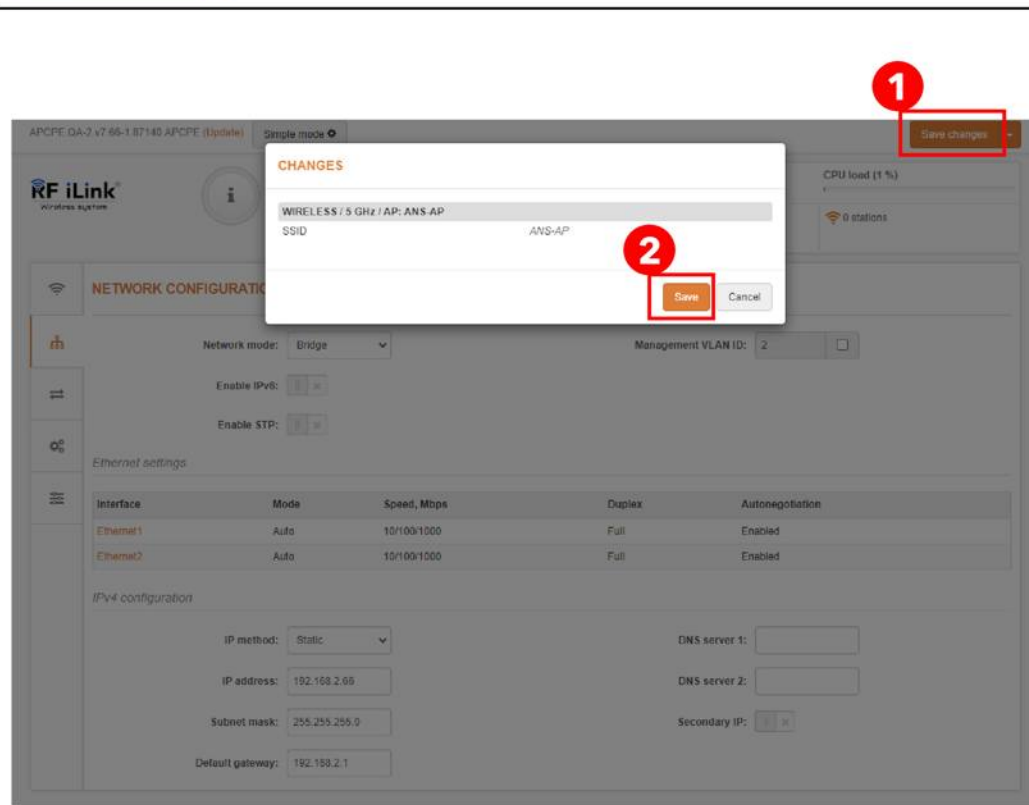
The screenshot shows the 'NETWORK CONFIGURATION' page in Client Mode. The 'Network configuration' tab is selected and highlighted with a red box. The 'Network mode' is set to 'Bridge'. The 'Management VLAN ID' is set to 2. The 'IPv4 configuration' section is highlighted with a red box, showing the following settings:

- IP method: Static
- IP address: 192.168.2.66
- Subnet mask: 255.255.255.0
- Default gateway: 192.168.2.1

| Interface | Mode | Speed, Mbps | Duplex | Autonegotiation |
|-----------|------|-------------|--------|-----------------|
| Ethernet1 | Auto | 10/100/1000 | Full   | Enabled         |
| Ethernet2 | Auto | 10/100/1000 | Full   | Enabled         |

## Step 11 : Save the Changes

**AP Mode Setup** : Choose Save changes and Save the setup changes

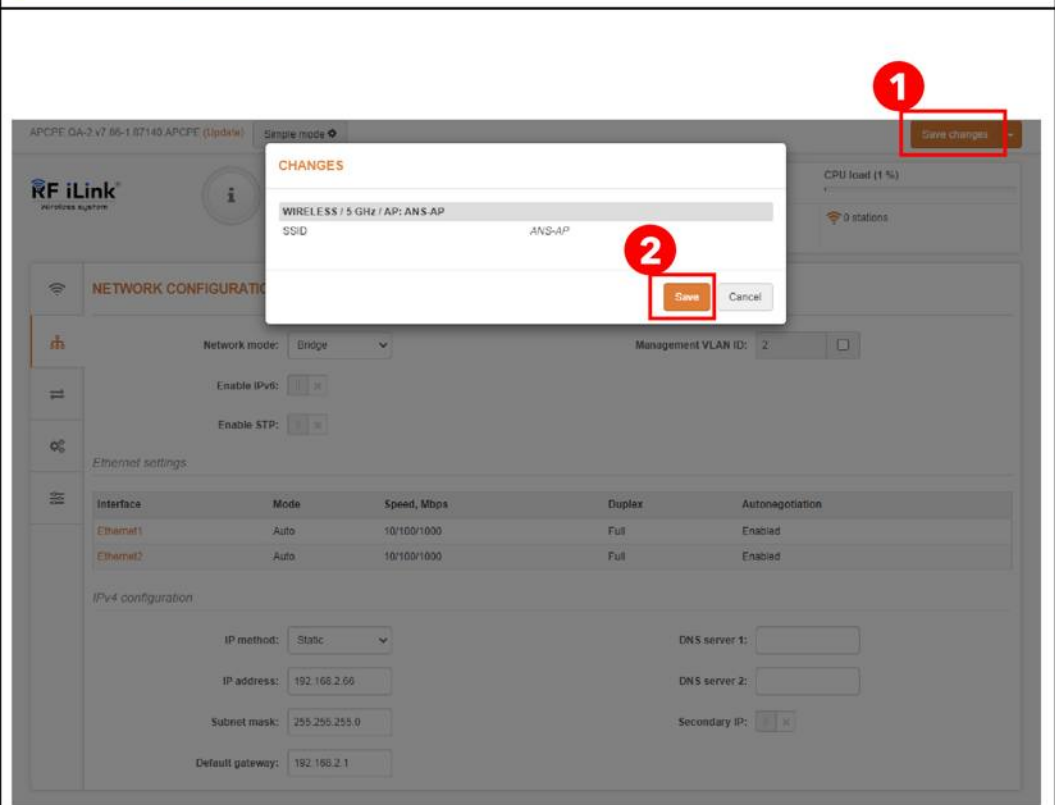


The screenshot shows the 'NETWORK CONFIGURATION' page for an AP. A 'CHANGES' dialog box is open, displaying the following information:

| CHANGES                       |        |
|-------------------------------|--------|
| WIRELESS / 5 GHz / AP: ANS-AP |        |
| SSID                          | ANS-AP |

The 'Save' button in the dialog box is highlighted with a red box and labeled with a red '2'. The 'Save changes' button in the top right corner of the main interface is also highlighted with a red box and labeled with a red '1'.

**Client Mode Setup** : Choose Save changes and Save the setup changes



The screenshot shows the 'NETWORK CONFIGURATION' page for a client. A 'CHANGES' dialog box is open, displaying the following information:

| CHANGES                       |        |
|-------------------------------|--------|
| WIRELESS / 5 GHz / AP: ANS-AP |        |
| SSID                          | ANS-AP |

The 'Save' button in the dialog box is highlighted with a red box and labeled with a red '2'. The 'Save changes' button in the top right corner of the main interface is also highlighted with a red box and labeled with a red '1'.

## FCC Warning



Federal Communications Commission (FCC) Statement

15.21

You are cautioned that changes or modifications not expressly approved by the part responsible for compliance could void the user's authority to operate the equipment.

Section 15.105 (a) for Class A Device

For a Class A digital device or peripheral, the instructions furnished the user shall include the following or similar statement, placed in a prominent location in the text of the manual:

NOTE: This equipment has been tested and found to comply with the limits for a Class A digital device, pursuant to Part 15 of the FCC Rules. These limits are designed to provide reasonable protection against harmful interference when the equipment is operated in a commercial environment. This equipment generates, uses, and can radiate radio frequency energy and, if not installed and used in accordance with the instruction manual, may cause harmful interference to radio communications. Operation of this equipment in a residential area is likely to cause harmful interference in which case the user will be required to correct the interference at his own expense.

Part 15.19(a)(3) unlicensed project

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 of the device.

FCC Radiation Exposure Statement:

This equipment complies with FCC radiation exposure limits set forth for an uncontrolled environment. This transmitter module must not be co-located or operating in conjunction with any other antenna or transmitter. This End equipment should be installed and operated with a minimum distance of 20 centimeters between the radiator and your body.