



IO-Power Outdoor WiFi MIMO AP

APM-101R(H) / APM-102R(H) / APM-103R(H)

7 Steps Quick Installation AP Link AC PtP Guide

Step 1: System Login (Default IP address of wireless device 192.168.1.1)

Set up the IP address of LAN in your computer, set 192.168.1.X (Fixed IP) (EX:192.168.1.100)

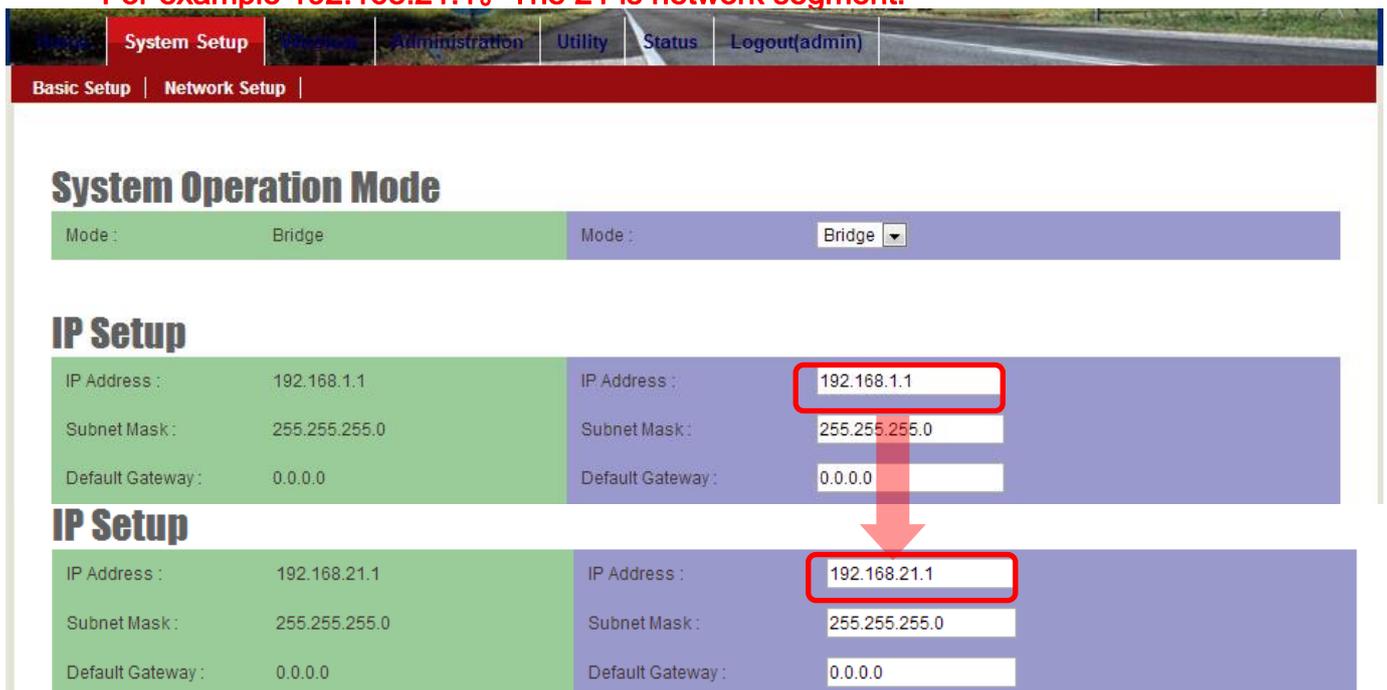
Remind: IP address of Computer and Wireless device must be the same network segment.

- A. Enter the web browser <http://192.168.1.1>
- B. Enter the account and password, Enter the system (Default Account: admin, Default Password: admin)

Step 2: Change IP address of wireless device

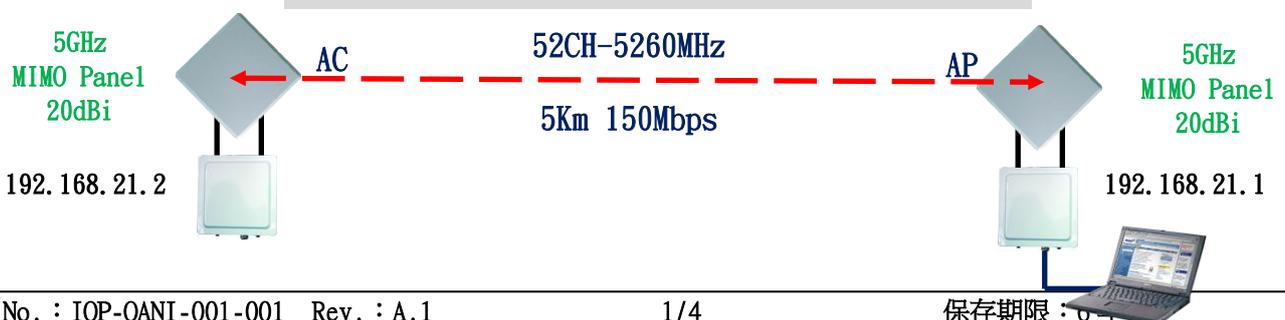
- A. System Setup / Network Setup: Setting the IP address of Wireless device.

IP address must be change 192.168.1.1 to another , to avoid conflict with other IP address , For example 192.168.21.1。 The 21 is network segment.



Reminds: When the IP address has been changed(EX.192.168.21.1) , Be sure to change to the same network segment of your computer(EX.192.168.21.99) , Then keep up setting。

Point to Point Wireless Network Setting





Step 3: Setting Wireless Access Point (Access Point=AP) **Radio Setup**

Radio Setup

Wireless Band: 802.11na HT40 Plus
 Channel: 52 CH - 5260MHz
 Transmission Power: Full
 Antenna Number: 2
 Short Guard Interval: On
 Aggregation: Enable
 Distance(x 100m): 10

Wireless Band: 802.11na HT40 Plus
 Channel: 52 CH - 5260MHz
 Transmission Power: Full
 Antenna Number: 2
 Short Guard Interval: On(400ns)
 Aggregation: Disabled Enable
 Distance(x 100m): 10

Cancel Apply

COPYRIGHT (C) 2011 BY CO., LTD. ALL RIGHTS RESERVED.

Exp: Red frame option must be set. Other frame option, set by default do not need to change.

Step 4: Setting Wireless Access Point (Access Point=AP) **WLAN Setup**

Exp: Wireless AP (Access Point = AP) has to set a name (SSID), for other wireless devices (Wireless Station = AP Client = AC). PTP_AP1_1 is the name of wireless device this time (SSID).

WLAN Setup

SSID: PTP_AP1_1 Broadcast
 Enable: Yes
 WLAN Mode: Access Point
 RTS: 2312
 Fragmentation: 2345
 Data Rate: Auto (Limited)
 Multicast Rate: Auto
 Rate Adaptation: Default
 VLAN: ID: 0 Priority: 0
 Client Numbers: 64
 Client Isolation: Off
 Bandwidth Profile: 0-Disable

SSID: PTP_AP1_1 PTP_AP1_1 Broadcast
 Enable: No Yes
 WLAN Mode: Access Point
 RTS: 2312
 Fragmentation: 2345
 Limited Data Rate: Auto 0 kbps Fixed
 Multicast Rate: Auto
 Rate Adaptation: Default
 VLAN: ID: 0 Priority: 0
 Client Numbers: 64
 Client Isolation: Off On
 Bandwidth Profile: 0-Disable Edit Bandwidth Profile

Cancel Apply

Exp: Red frame option must be set. other frame option, set by default do not need to change.



Step 5: Setting Wireless Station (Wireless Station=AC) **Radio Setup**

**** Remember , IP address of second wireless device must be set 192.168.21.2****

Radio Setup | WLAN Setup | Wireless Security | WMM Setup | Bandwidth Control

RADIO - 1

Wireless Band : 802.11ng HT20 | Wireless Band : 802.11na HT40 Plus

Channel : 1 CH - 2412MHz | Channel : Auto

Transmission Power : Full | Transmission Power : Full

Antenna Number : 2 | Antenna Number : 2

Short Guard Interval : On | Short Guard Interval : On(400ns)

Aggregation : Enable | Aggregation : Disabled Enable

Distance(x 100m) : 0 | Distance(x 100m) : 10

Select wireless band, AC and AP transmission need the same frequency mode

Select wireless channel/frequency Recommend starting set the same channel to accelerate connection successful and then change to Auto , helps to adjust AP channel , AC can Automatically change the channel to re-connection.

Set the wireless response from the parameters each 100m represent 1 Unit Distance less than 1000 m. set 10parameters.

EXP: Red frame option must be set. other frame option , set by default do not need to change.

Step 6: Setting Wireless Station (Wireless Station=AC) **WLAN Setup**

Exp: Wireless AC (Wireless Station = AC)connect with wireless access point(Access Point = AP) has to set a name (SSID) , for other wireless devices , So that wireless can connect to each.

PTP_AP1_1 is the name of wireless device this time(SSID).

Radio Setup | **WLAN Setup** | Wireless Security | WMM Setup | Bandwidth Control

RADIO-1 WLAN Setup

SSID : PTP_AP1_1 | Broadcast | SSID : PTP_AP1 | PTP_AP1_1

Enable : Yes | Enable : No Yes

WLAN Mode : Access Point | WLAN Mode : Wireless Station

AP MAC Address : 00.00.00.00.00.00

RTS : 2312 | RTS : 2312

Fragmentation : 2346 | Fragmentation : 2346

Data Rate : Auto (Limited) | Limited Data Rate : Auto | 0

Setting the wireless AP's SSID . enter SSID as PTP AP1 1

Select wireless mode Wireless Station

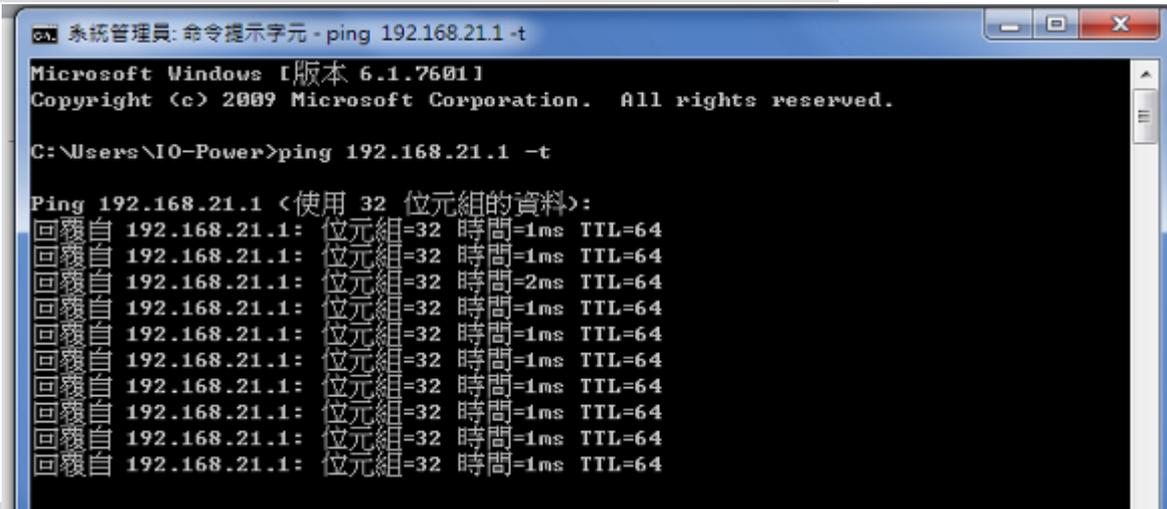
Strongly recommended Do not fill the AP Mac address , to avoid lock the AP , It will leads to it can no longer automatically connect with other AP.

EXP: Red frame option must be set. other frame option , set by default do not need to change.

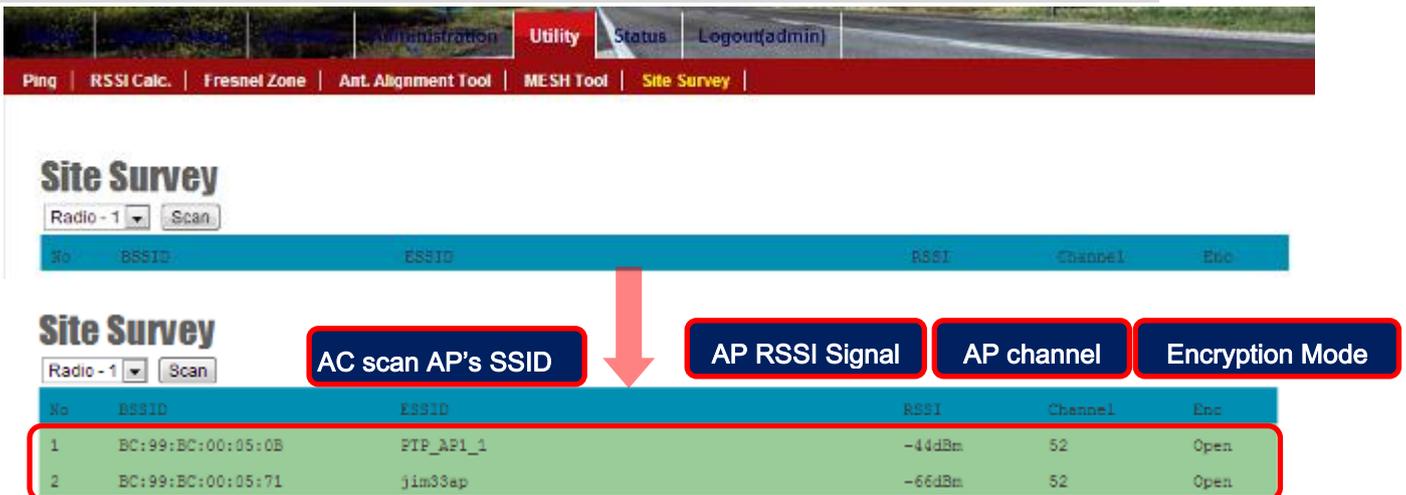


Step 7: Test the Point to Point wireless of AP and AC connection is complete

A. Check the Ping of the Wireless devices connection



B. From the client side of wireless AC (Wireless Station=AC) get into the website of device , in Utility/Site Survey, scan the AP signal of the environment.



C. From the client side of wireless AP (Wireless Station=AC) get into the website of device , in Status / Nodes (Station Side) scan the AP signal of the environment.



Please download manual from internet: <http://www.io-power.com/Product%20User%20Manual.htm>