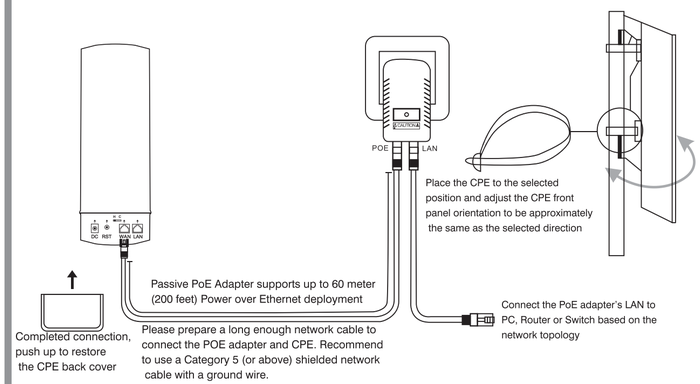
airlive®

Quick Installation Guide

Wi-Fi Outdoor CPE

AirMax5X II

1 Device Installation (AirMax5X II Outdoor CPE taken as an example)

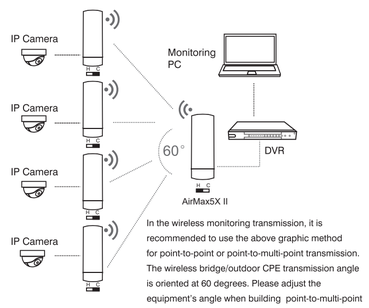


Working Environment:

Only applicable to areas below 2000 meters above sea level

2 Wireless Connection Topology

Point to multiple point

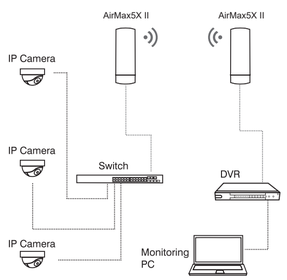


In the wireless monitoring transmission, it is recommended to use the above graphic method for point-to-point or point-to-multi-point transmission. The wireless bridge/outdoor CPE transmission angle is oriented at 60 degrees. Please adjust the equipment's angle when building point-to-multi-point transmission.

IP Camera ---- AirMax5X II

AirMax5X II ---- DVR ---- Monitoring PC

Point to Point



IP Camera --Switch -- AirMax5X II

AirMax5X II --- DVR ---Monitoring PC

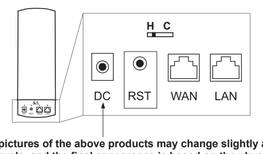
3.Bridge Ways (*Two way bridge setup: One Push Bridge or LED Display Bridge, choose the one best for your setup.)

Quick Installation Guide

1. One Push Bridge

1. Config Master/ Slave CPE

Put the switch to H, CPE will work as Master. Put the switch to C, CPE will work as Slave.



*** Note: The pictures of the above products may change slightly according to the production cycle, and the final appearance is based on the physical object.**

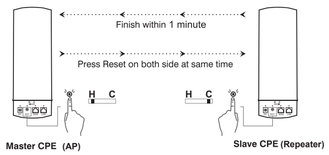
2.Point to Point Connection

Press reset button on both master and slave CPE, will start bridging.

Point to mult Point Connection

Press reset button on master and mult slave CPEs, will start bridging.

Note: Master CPE and slave CPE bridging actions (press reset button) need to be finished in 1 minute.



2.LED Display Bridge

1.Config Master CPE

When bridge two CPEs, make one work as master: press "F" to make H/ C blinking, and press "S" to change to "H", it will save automatically in 5 seconds.

2.Config Slave CPE

Set another CPE to work as slave: press "F" to make H/ C blinking, and press "S" to change to "C", it will save automatically in 5 seconds.

Note:

1.CPE default working mode is AP mode after reset, IP is 192.168.1.253

2.F is select button, can be used to choose master/ slave working mode, wifi channel, IP, and checking signal strength

3.S is config button, can be used to set master/ slave working mode, wifi channel, IP

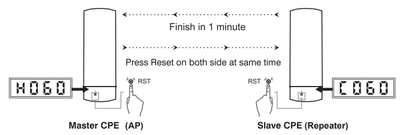
3.Point to Point Connection

Press reset button on both master and slave CPE, will start bridging.

Point to mult Point Connection

Press reset button on master and mult slave CPEs, will start bridging.

Note: Master CPE and slave CPE bridging actions (press reset button) need to be finished in 1 minute.



4.Change Wifi channel

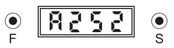
To avoid signal interference, need to change master CPE wifi channel only, slave CPE will reboot and bridge to master CPE automatically. Press F twice, change channel by press S, CPE will save and reboot automatically in 5 seconds.

H--- Master CPE
060---60 Channel

C--- Slave CPE
060---60 Channel

5.Change IP

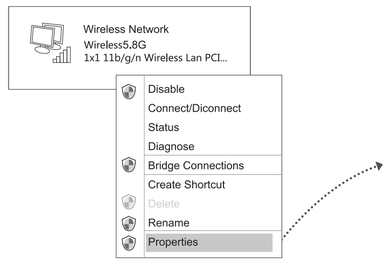
To avoid CPE IP conflicts, need to change CPE IP address. Press F three times until the IP is blinking, press S to change IP, CPE will save and reboot automatically in 5 seconds.



Web Configuration

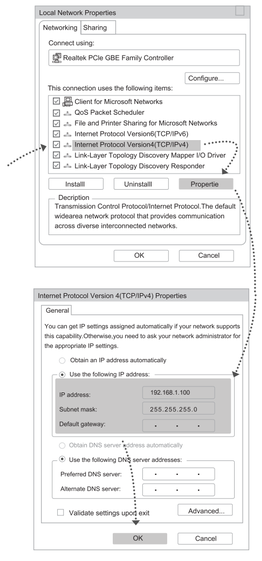
1.PC configuration if PC connect CPE by wireless

Set PC wireless network IP to 192.168.1.x (x: 2--250), same network segment as CPE, subnet mask: 255.255.255.0:



Check wireless connection

After IP address configuration, connect to CPE's wireless SSID: Wireless 5.8G, and input password (Default Password: 123456789)

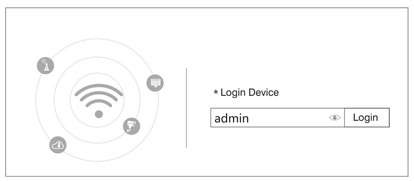


Set wireless network

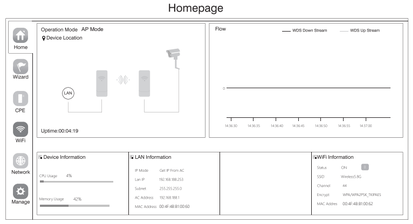
2. Login Web Configuration

Use a browser to access http://192.168.1.253, pop up the login page shown below,input the login password: admin, enter into the home page.

Login Web Interface



Homepage

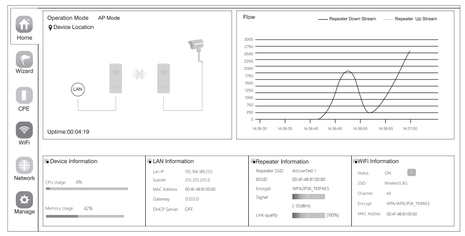


Setup Wizard

▶ **Repeat mode**
Bridge the exist wireless signal then transmit Wi-Fi for more range

▶ **AP mode**
In this mode, NAT, DHCP, firewall, and all WAN-related functions are turned off. All wireless and wired interfaces are bridged together, regardless of LAN and WAN

3.Bridge Status



Login CPE (work as repeater), will see signal strength, green is normal, between -70dBm to -40dBm.

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Declaration of Conformity

We, Manufacturer/Importer

AirLive Technology Corporation
4F, No.132, Lane 235, Baoqian Rd., Xindian Dist., New Taipei City 23145, Taiwan

Declare that the product

Wi-Fi 5Ghz N300 Outdoor CPE
AirMax5X II

is in conformity with

In accordance with 2014/30/EU and 2014/35/EU Directive

Clause	Description
■ **EN 55032:2015**	Electromagnetic compatibility (EMC)
■ **EN 62368-1**	Electromagnetic compatibility (LVD)
■ **CE marking**	CE

Manufacturer/Importer

Name : A van Rossem Position/ Title : Product Manager
Place : Republic of China (Taiwan) Date : June 2022

Regulatory Approvals

- **CE Statement**

This product complies with the 2014/30/EU and 2014/35/EU directives, including the following safety and EMC standards:

- **EN 55032:2015**
  Electromagnetic compatibility (EMC)
- **ETSI EN 301 489-1 V2.2.3 (2019-11)**
  Electromagnetic compatibility (EMC)
- **ETSI EN 301 489-17 V3.2.4 (2020-09)**
  Electromagnetic compatibility (EMC)
- **EN 55035:2017**
  Electromagnetic compatibility (EMC)
- **EN 62368-1:2014+A11:2017**
  Electromagnetic compatibility (LVD) - Safety
- **ETSI EN 302 502 V2.1.3 (2017-07)**
- **EN IEC 62311:2020**
- **EN 50665:2017**

- **CE Marking Warning**

This is a Class A product. In a domestic enviroment this product may cause radio interference in which case the user may be required to take adequate measures.

Trouble Shooting

Trouble Shooting

Trouble	Reason	Solution
Packet Latency	1.Wireless Interference 2.Distance is too long,or there are some bar between them 3.CPE's angle in wrong direction, weak signal	1.Use Wi-Fi analysis to choose the best channel, or change to 5G CPE 2.CPE should be in normal distance,and avoid bar 3.Adjust the angle of CPE according to signal strength
Wrong password	1.Forget password 2.Input wrong password 3.Too much cookie	1.Press reset button in 10 seconds to reset device, the default password is admin 2.Re-input the password 3.Clear cookie,run arp -d to clear MAC table.
Can not login WEB	1.Local IP is not in the same network segment of CPE 2.IP is taken by other devices 3.LAN Connection or Ethernet cable has problem 4.Too much cookie, MAC address haven't update	1.Ping 192.168.1.253 to see connection status 2.Stop other devices or change to another IP 3.Check LAN Connection and Ethernet cable 4.Clear cookie,run arp -d to clear MAC address
System LED light off	1.PoE power supply is not working 2.Some problem in CPE's PoE port 3.Ethernet cable is loose, RJ45 port is wrong Power current/voltage lower or wrong	1.Check if POE Adapter or POE switch work 2.Check if POE port of CPE is OK 3.Check if Ethernet cable is loose,if Ethernet cable plugged in to POE port 4.Check if voltage is normal ,if socket has problem, if input voltage of POE adapter is normal
Low transmission Rate	1.Packet Latency 2.Ethernet cable circuit 3.Network virus attack 4.Too much access users	1.Adjust the distance, angle and channel to decrease latency 2.Check if there is circuit in the network 3.Check if port isolated to avoid network virus and broadcast storm 4.Decrease the access users.
Device always dead	1.Static electricity 2.Running time too long 3.Lightning stroke	1.Make CPE or POE adapter need ground connection 2.Running time over 7 days, reboot it 3.After lightning,device POE port broken or unstable, better to deploy lightning conductor .

AirLive Technology Corporation declares that this device is in compliance with the essential requirements and other relevant provisions of directive 2014/30/EU.