

Quick Installation Guide

5.8GHz Outdoor CPE NC-AP212



Instruction

NC-AP212 is a 5.8GHz 300Mbps High Performance Outdoor CPE, which with 15dBi high gain antenna and maximum transmission power up to 27dBm for long distance wireless connection. Feature with Repeater, Gateway, Access Point, WISP, 802.1Q VLAN and Access Control System. NC-AP212 complied with passive PoE 24V.

Installation requirement

Cross screwdriver
Shielded category 5 (or above)

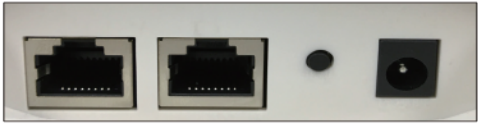
Package content



Hardware overview

LED indicator

LED	Status
Power	ON & Solid: Power connected
WAN	ON: LAN connected Flashing: Data transferring
LAN	ON: WAN connected Flashing: Data transferring
5G	Flashing: 5G wireless operating
Signal Strength	Flashing: Showing signal strength in four stage

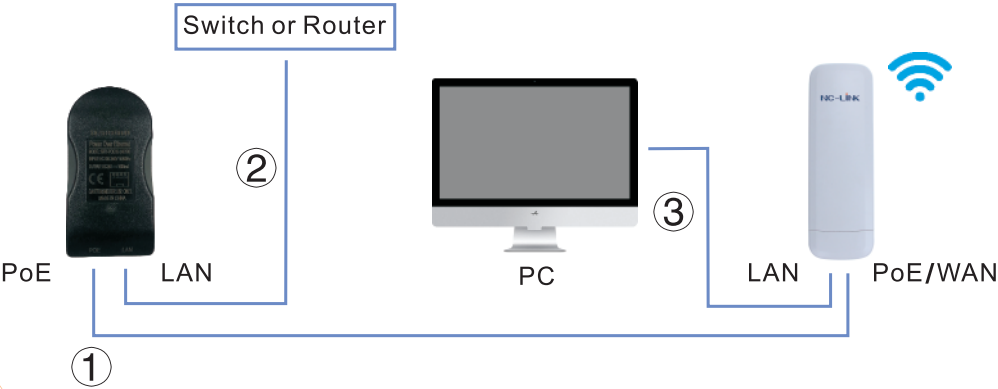


Interface

LAN:The LAN port is used for bridging.
WAN:The WAN port is used to connect to the power andInternet.
Reset button:Press the Reset Button on CPE about **15 seconds**, then release to rest.
DC Jack:It is used for 12V/1A direct current power supply.

I Network topology

- 1.Connect **PoE port** of PoE adapter to NC-AP212 **WAN port**
- 2.Connect **LAN port** of PoE adapter to switch or gateway with Internet
- 3.Connect **LAN port** of NC-AP212 to PC for parameter configuration



II Hardware installation

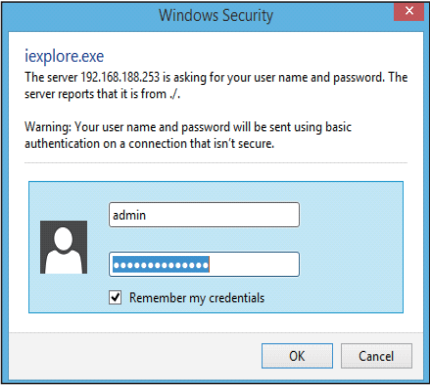
The NC-AP212 can be mounted on a pole. Perform the steps as follow:

- 1.Turn the screw on the Metal Strap counter clockwise to open the strap.
- 2.Slide it through the back of NC-AP212.
- 3.Wrap the strap around the pole with a cross screwdriver to turn the screw clockwise and fasten to the pole.

Suggestion:
Suggest to configure software first then do the outdoor installation.

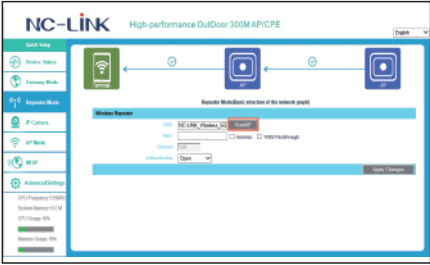
III Software installation

Connect your PC to the NC-AP212 **LAN port**, then login Web Management Page with default IP address: **http://192.168.188.253** default username and password: **admin** Below base on IE browser.

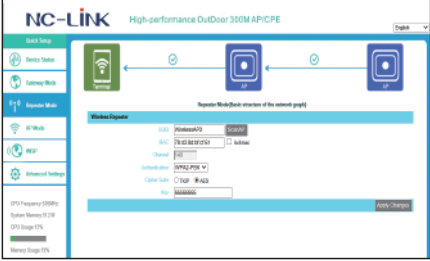


Repeater Mode Configuration

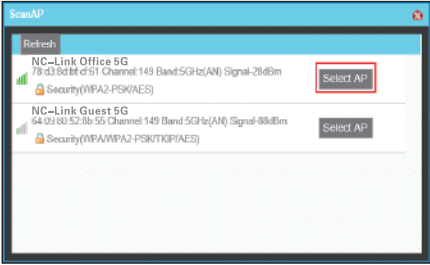
- a). Click **"Repeater Mode"**, then **"Scan AP"**



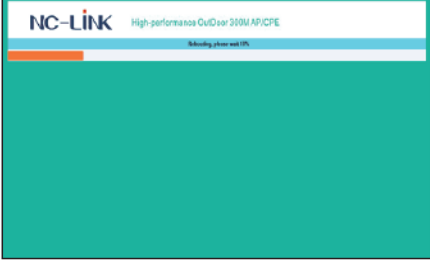
- c). Input the password and **"Apply Changes"**



- b). Select the AP signal you want to repeated



- d). Configuration complete, device will reboot.



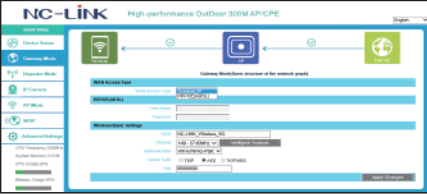
AP Mode Configuration

Click AP Mode and configure the **SSID** and **password** then **"Apply Changes"**



Gateway Mode Configuration

WAN Access Type
a).Dynamic IP: It will get the IP address from the ISP automatically after connected.

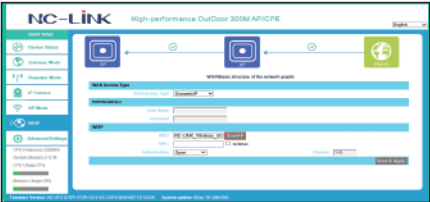


- b).PPPOE (ADSL): Input the **username** and **password** provided by ISP then connect.

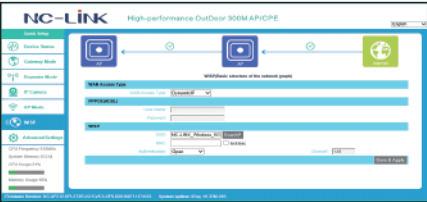


WISP Mode Configuration

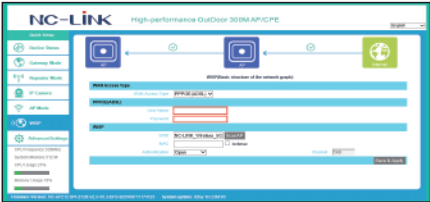
Click WISP Mode then **scan AP**, the select the signal you want to access.



- a).Dynamic IP: It will get the IP address from the ISP automatically after connected.



- b).PPPOE (ADSL): Input the **username** and **password** provided by ISP then connect.



Trouble shooting

Failure phenomenon	Solution
SYS Indicator off	Make sure the PoE module connection is right. POE Port connect with CPE, LAN port connect with computer
Can't land to CPE through Web page	Check the IP address of computer and CPE to see whether they are in same networking segment, The method is click "start"->"Run" input"cmd", ping 192.168.188.253 to test the CPE connectivity. Reset CPE and load it again ; Make sure the IP address 192.168.188.253 is not occupied by other device in CPE's networking. Check computer and cable problem, recommend to use 10/100M UTP unshielded cable; Clean up Arp binding from "Start"->"Run" input"cmd" arp -d Clean the IE Brower's temporary files and Cache fileo
CPE can't connect with AP (the status display unconnected)	Try to scan the available wireless networking again ; Make sure the CPE's wireless standard (11b/g/n, 5.8G) is correct ; The Security and passwords are matched between CPE and AP ; The signal strength of AP is too weak to connect, should be more than -75dBm ;
Can't scan the wireless AP	Scan it several times more ; Make sure there are 5G signal existed. Reset the CPE, scan it again after CPE restart ;
The connection of CPE and AP is success, but the computer can't share internet	Check the computer's IP address and DNS setting. If it is dynamic, set the network card as automatically obtain. If it is static IP, pls contact with ISP for correct IP address and DNS address.
How to Reset CPE	Press the "Reset" button more than 15 seconds after power on. The CPE will restore factory default after the CPE restart.

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