

Quick Installation Guide

2.4GHz Outdoor CPE Series
NC-AP111/NC-AP211
NC-AP2110/NC-AP213D



Instruction

2.4GHz Outdoor CPE Series are High Performance at 150Mbps or 300Mbps transmission rate, which with high gain antenna for long distance wireless connection. Feature with Repeater, Gateway, Access Point, WISP, PTP/PTMP and Access Control System. All complied with passive PoE 24V. **(Below NC-AP111 for example)**

Installation requirement

Cross screwdriver
 Shielded category 5 (or above)

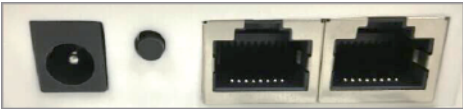
Package content



Hardware overview

LED indicator

| LED | Status |
|-----------------|--|
| Power | ON & Solid: Power connected |
| WAN | ON: WAN connected Flashing: Data transferring |
| LAN | ON: LAN connected Flashing: Data transferring |
| 2.4G Wireless | ON & Flashing: 2.4G wireless operating |
| Signal Strength | ON & Flashing: Showing signal strength in four stage |



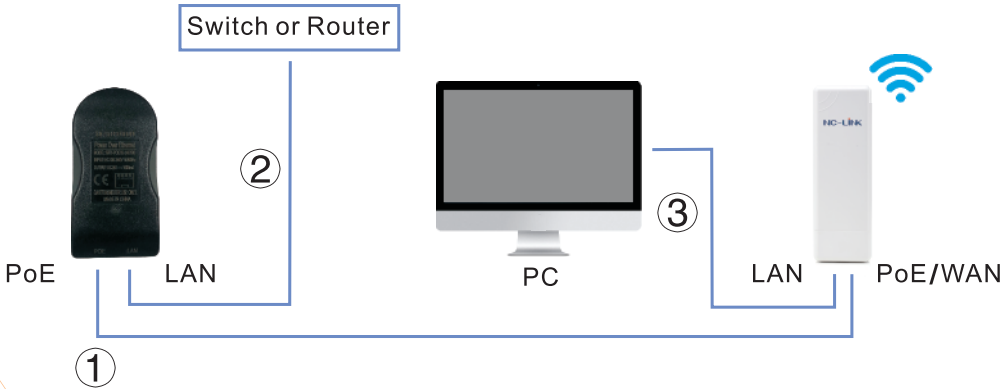
⊕ ⊖ ⊕ ⊖ Reset LAN PoE/WAN

Interface

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

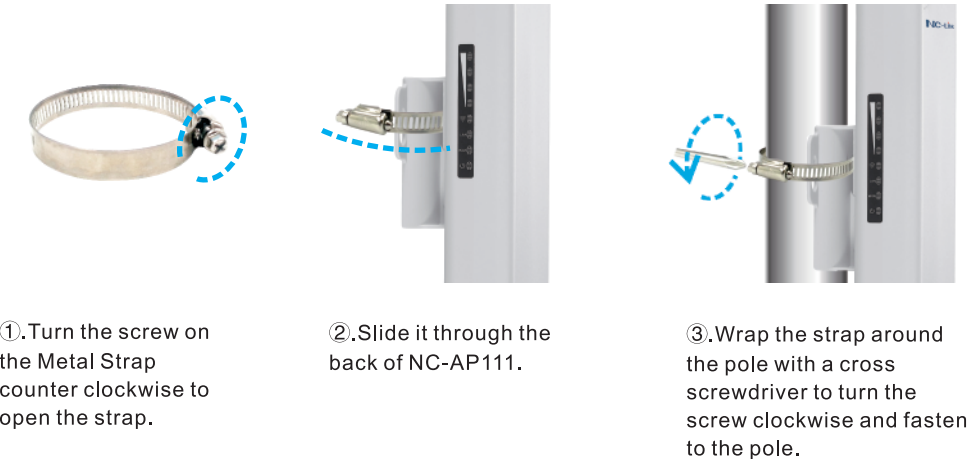
I Network topology

1. Connect **PoE** port of PoE adapter to NC-AP111 **WAN port**
2. Connect **LAN** port of PoE adapter to switch or gateway with Internet
3. Connect **LAN** port of NC-AP111 to PC for parameter configuration



II Hardware installation

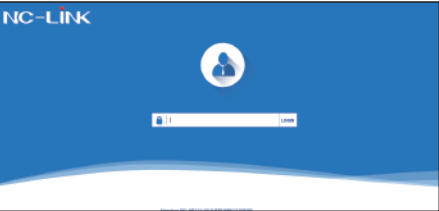
The NC-AP111 can be mounted on a pole. Perform the steps as follow:



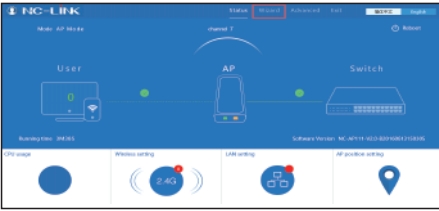
Suggestion:
 Suggest to configure software first then do the outdoor installation.

III Software installation

Connect your PC to the NC-AP111 **LAN port**, then login Web Management Page with default IP address: **http://192.168.188.253** default password: **admin**
 Below base on IE browser.

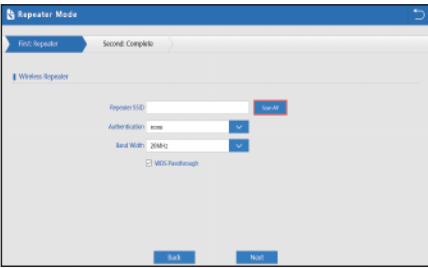


Click **"Wizard"** to start operating mode configuration.

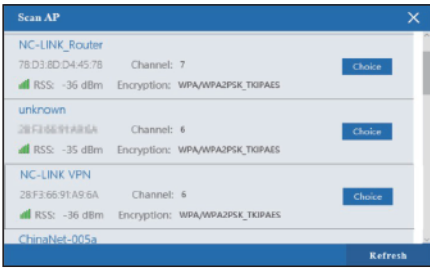


Repeater Mode Configuration

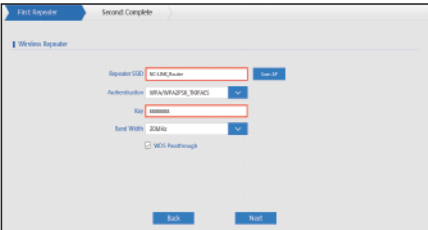
a). Click **"Repeater Mode"**, then **"Scan AP"**



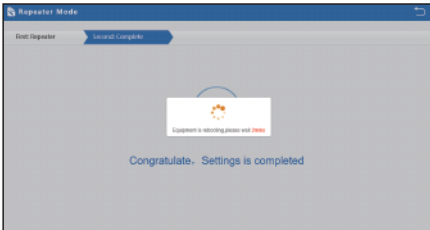
b). Select the AP signal you want to repeated



c) Input the password and click **"Next"**



d) Configuration complete, device will be reboot.

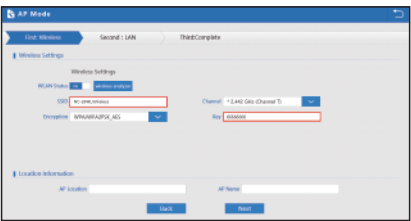


Trouble shooting

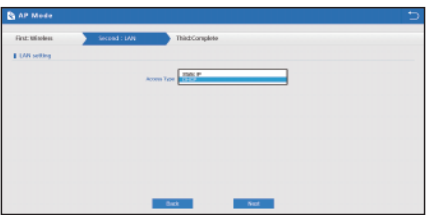
| Failure phenomenon | Solution |
|--|--|
| SYS Indicator off | Make sure the PoE module connection is right. POE Port connect with CPE, LAN port connect with computer |
| Can't land to CPE through Web page | Pls check the IP address of computer and CPE to see whether they are in same networking segment, The method is click "start"- "Run" input"cmd", ping 192.168.188.253 to test the CPE connectivity. Reset CPE and load it again ; Pls 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 file. |
| 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) 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 | Pls 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. |

AP Mode Configuration

a) Click AP Mode and configure the SSID and password then **"Next"**



b) Setting the LAN information. DHCP for obtain IP from upper DHCP server, Static IP for manually configure the LAN IP address.

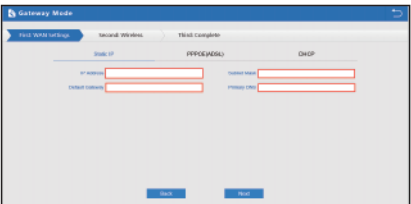


c) Click **"Next"** and finished the configuration, then the device will reboot in **2 minutes**.

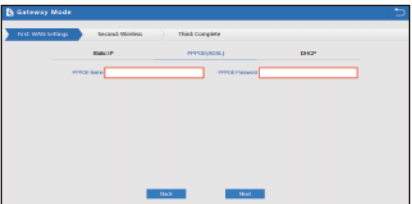


Gateway Mode Configuration

WAN Access Type
 a) Static IP: Input below information provided by ISP



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



c) DHCP: If your access type is DHCP, then you can get the IP address from the ISP automatically.

WISP Mode Configuration
 Click WISP Mode then scan AP; rest refer to the **Gateway Mode** Configuration in above.

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