



ALL1682511

500Mbps Powerline WLAN N Access Point



Quick Installation Guide

PREFACE

This document describes installation of the 500Mbps PLC WiFi AP Network products.

Please read this document before installing the product.

To the Installer

This publication contains the following sections:

- Important safety instructions
- Product installation guide

Default:	
IP-Address:	192.168.1.2
Username:	admin
Password:	12345

IMPORTANT SAFETY INSTRUCTIONS

This product is intended for connection to the AC power line. For installation instructions, refer to the Installation section. For removing the device, refer to the Unplug section. The following precautions should be taken when using this product.

- Please read all instructions before installing and operating this product.
 - Please keep all instructions for later reference.
 - Please follow all warnings and instructions marked on the product.
 - **Unplug the AC coupler from the wall outlet before cleaning. Use a damp cloth for cleaning. DO NOT use liquid cleaners or aerosol cleaners.**
 - **DO NOT** operate this product near water.
 - **The opening of enclosure near AC plug to face up or frontal, the connector face bottom or rear.**
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- This product should **never** be placed near or over a radiator, or heat register.
- This product relies on the building's electrical installation for short-circuit (over current) protection.
- Ensure that a fuse or circuit breaker **no larger than 120 VAC 20A or 240 VAC 16A** is used on the phase conductors (all current-carrying conductors).
- **DO NOT** allow anything to rest on the product interconnect cords.
- **DO NOT** locate this product where people may walk on the cords.
- Because the 500Mbps PLC WiFi AP product sends data over the powerline, it is recommended that you plug directly into a power outlet. Do not plug the device into a UPS or power strip with surge protection. The 500Mbps PLC WiFi AP product has its own power filter for protection against surges.
- The product can be operated at an ambient temperature of 40°C.
- For pluggable equipment, the socket-outlet shall be installed near the equipment and shall be easily accessible.
- **Only** a qualified technician should service this product. Opening or removing covers may result in exposure to dangerous voltage points or other risks.
- Unplug the AC coupler from the wall outlet and refer the product to qualified service personnel for the following conditions:
 - When the interconnect cords are damaged or frayed.
 - If liquid has been spilled into the product.
 - If the product has been exposed to rain or water.
 - If the product does not operate normally when the operating instructions are followed.
 - If the product exhibits a distinct change in performance.

Hardware installation guide

Important:

Do not plug the device into a power strip or surge protector because these devices may consist of filter and impair signal. Also avoid plugging the device right next to noisy sources such as cell phone charger, Halogen light, Energy saving bulb, noisy desktop computer, vacuum cleaner, etc. Both cases result in poor transmission speed.

1. Use the supplied Ethernet cable to connect the PLC WiFi AP's Ethernet port to the broadband router's LAN port.
2. Plug the PLC WiFi AP to outlet.
3. Use the supplied Ethernet cable to connect one PLC Ethernet Bridge and your PC's Ethernet port.
4. Plug the PLC Ethernet Bridge to outlet.
5. The PWR LED indicator will light on after plugging.
6. The PLC LED indicator starts blinking when the data communication proceeds on Powerline.
7. The ETH LED indicator starts blinking when the data communication proceeds on Ethernet.

LEDs

(from left to right)



(PWR) **On:** Power on

Off: Power off



(PLC) **On:** Powerline Link detected and no traffic

Blinking: Powerline traffic detected

■ Green: The Powerline connection quality is good

■ Orange: The Powerline connection quality is fair

■ Red: The Powerline connection quality is bad

Off: No Powerline Link detected



(ETH) **On:** Ethernet Link detected

Blinking: Ethernet traffic detected

Off: No Ethernet Link detected



(WiFi) **Blinking:** WiFi AP is ready

Off: WiFi AP is not ready

Push Buttons *(Only applicable for models with push button)*



(for PLC)

NID/RST Button Usage:

1. Set 2 PLC device into same group (private network):

Step 1. Press and hold one PLC device's "NID/RST" button for less than 3 seconds. You can see the PWR led blinking.

Step 2. Then press and hold another PLC device's "NID/RST" button for less than 3 seconds. You can see the PWR led blinking.

If the two PLC devices complete connection, they will reboot. Then these two PLC devices would into same private network.

If failed, please repeat Step 1 to Step 2 again.

2. Add a new device to the existing private network:

Step 1. Plug the new device with grouped devices. Press and hold its "NID/RST" button for less than 3 seconds.

Step 2. Then press and hold another PLC device's "NID/RST" button for less than 3 seconds.

The new device starts to communicate with the device in existing private network, and tries to join this existing private network.

If failed, please repeat Step 1 to Step 2 again.

3. Leave the private network:

Step 1. If one device wants to leave the private network, press and hold the device's "NID/ RST" button for 5-8 seconds to randomize the network encryption setting. This device will leave the private network.

4. Reset the device to the factory default setting:

Push the device's "NID/RST" button for 10-15 sec seconds. You will see the device's all LEDs are off and restart. The device's PLC setting resets to the "factory defaults".



(for WiFi)

WPS Button Usage:

If your wireless device supports WPS (Wi-Fi Protected Setup) function, please click WPS button on wireless device, then press WPS button for less than 2 seconds on this wireless AP device. Please wait about 60 seconds before these wireless devices join together.

WiFi AP Configuration

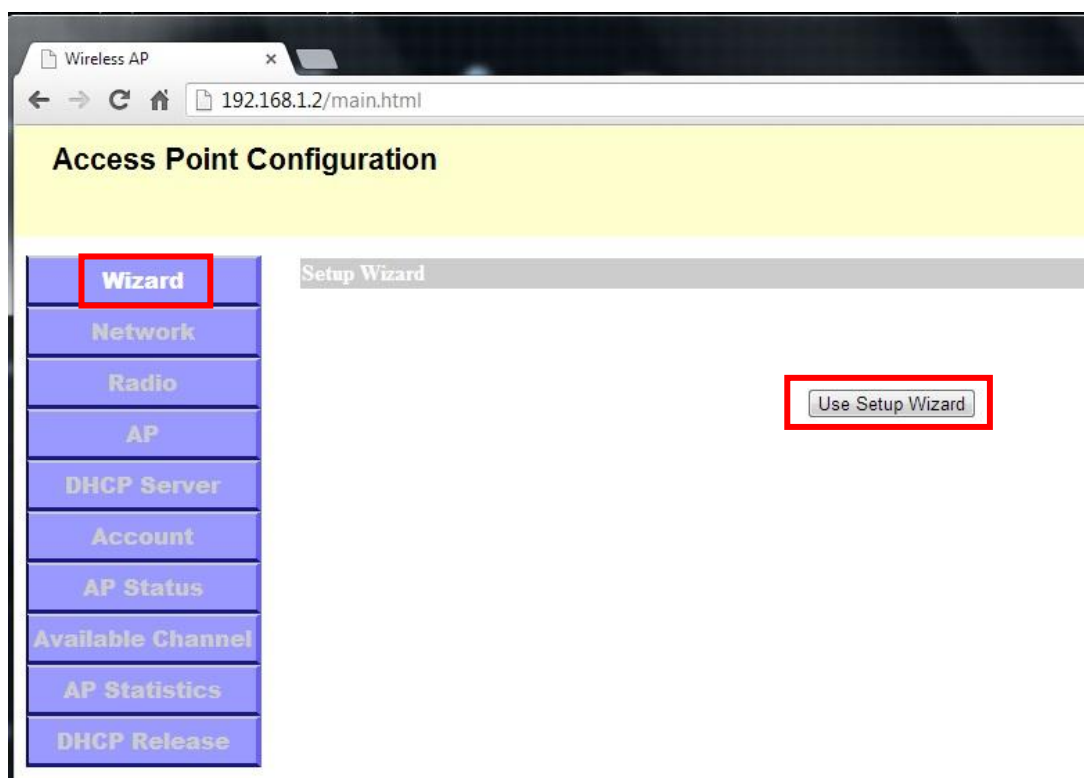
In first time, please connect the ALL1682511 with a PC via Ethernet port or PLC bridge. Then set your PC's IP to 192.168.1.10 or other in the same subnet 192.168.1.x except "192.168.1.2".

Then open the "Microsoft Internet Explorer" window, type "**http://192.168.1.2**" (default value, if not changed.) in the "Address" column and press Enter.

Type "**admin**" as the Username and "**12345**" as the Password in the login page. (default value, if not changed.) Then click the "login" button.



Click **Wizard** -> "Use Setup Wizard"



Choose a SSID (WLAN-Networkname) and a Password (min. 8 digits).

Finally click "Done".

The screenshot shows a web browser window with the title 'Wireless AP' and the address bar displaying '192.168.1.2/main.html'. The main heading is 'Access Point Configuration'. On the left is a vertical menu with buttons: Wizard, Network, Radio, AP, DHCP Server, Account, AP Status, Available Channel, AP Statistics, and DHCP Release. The 'Wizard' button is highlighted. The main content area is titled 'Setup Wizard' and contains two steps. The first step, 'Please assign a name (SSID) for the wireless AP (up to 32 characters)', has a text input field labeled 'Name(SSID)' with the value 'Test'. The second step, 'Please input the security password (8 to 63 characters) for access the wireless AP', has a text input field labeled 'Password' with the value 'Allnet2013'. A 'Done' button is located at the bottom right of the form. A red rectangular box highlights the entire 'Setup Wizard' section.

**Setup Completed.
Now AP is Ready.**

See the AP User Guide for more information on how to change the WiFi AP settings.