POWERLINK

POWERLINK PL-APN High Power 802.11bgn AP Router

Quick Installation Guide

Part I: External Installation Direction

Package Content
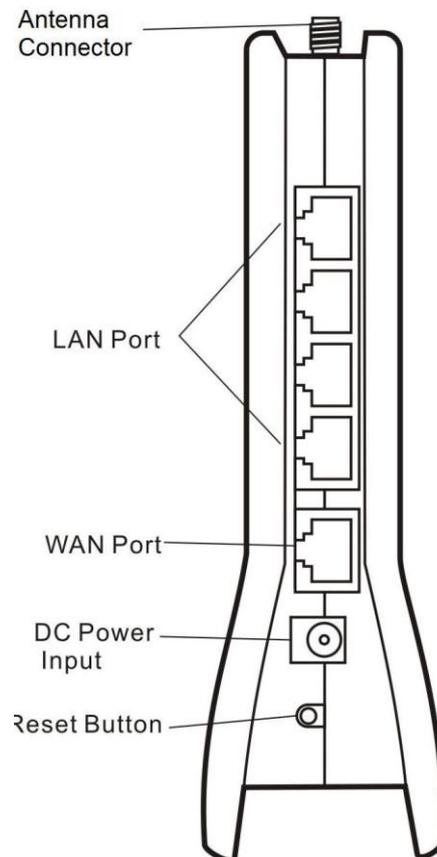
AP Router	1
DC 12V Power Adapter	1
Antenna	2
PoE DC Injector	1
Paper QIG	1
Manual/QIG CD	1

POWERLINK

AP Router Connection

Before installing the router, connect your PC to the internet through your broadband service. (If there is any problem, contact your ISP.)Then proceed through the following steps.


1. Turn off your PC(s), cable/ ADSL modem and the router.
2. Adjust the antenna if needed. Normally, straight up on router is good.
3. Connect the PC(s) and each switch/hub on your local area network to the LAN ports on the router.
4. Connect the ADSL/DSL/cable modem to the router WAN port.
5. Connect the power adapter between the DC-Jack on the router and an electrical outlet. The router will start to work automatically.

PREMIERTEK

6. Turn on your PC(s) and the cable/ADSL modem.
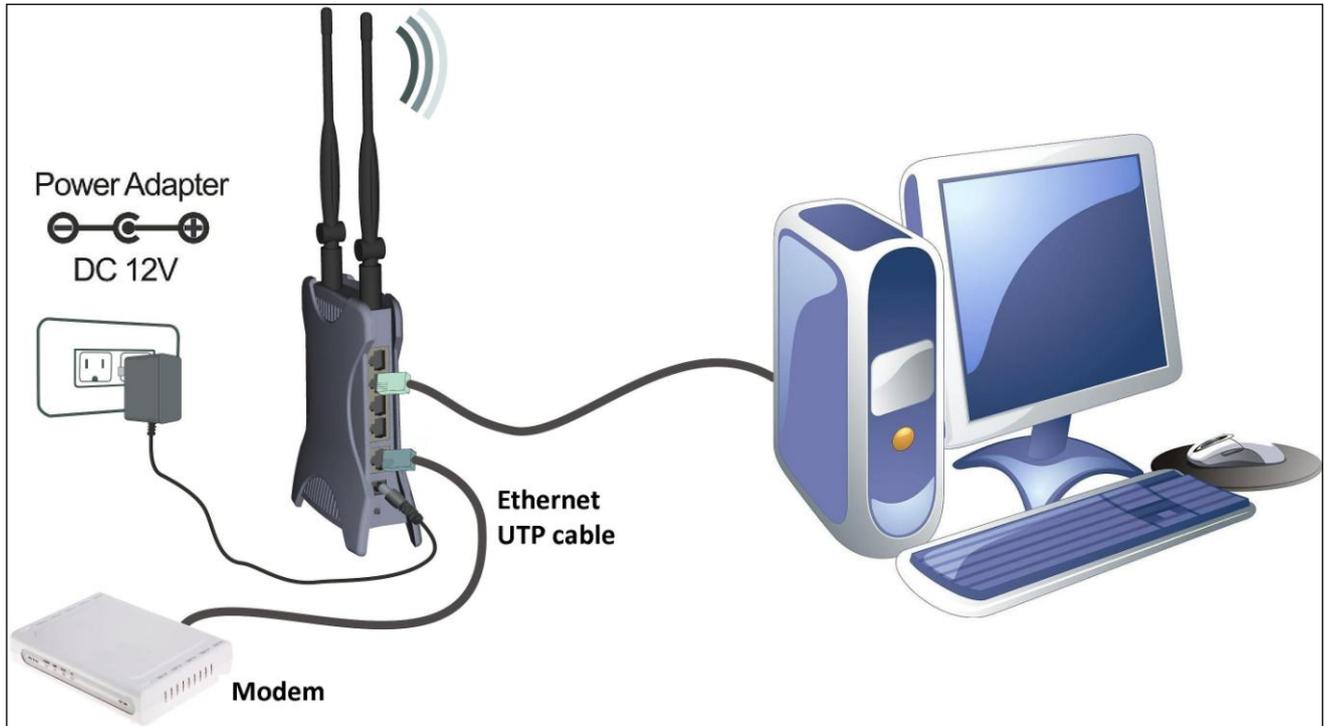
The front LED indicator

POWERLINK

WAN	WAN
LAN1	1
LAN2	2
LAN3	3
LAN4	4
WLAN	WLAN
POWER	POWER
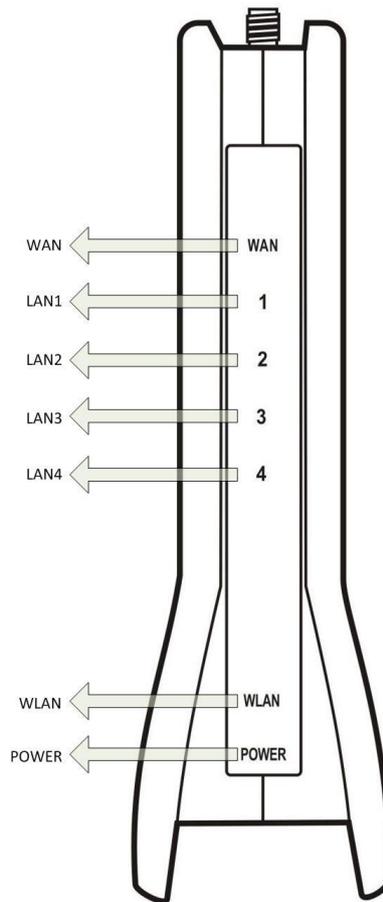
AP Router configuration

The AP Router is delivered with the following factory default parameters on the Ethernet LAN interfaces.

Default IP Address: 192.168.1.254
Default IP subnet mask: 255.255.255.0
Web login User Name: <empty>
Web login Password: <empty>

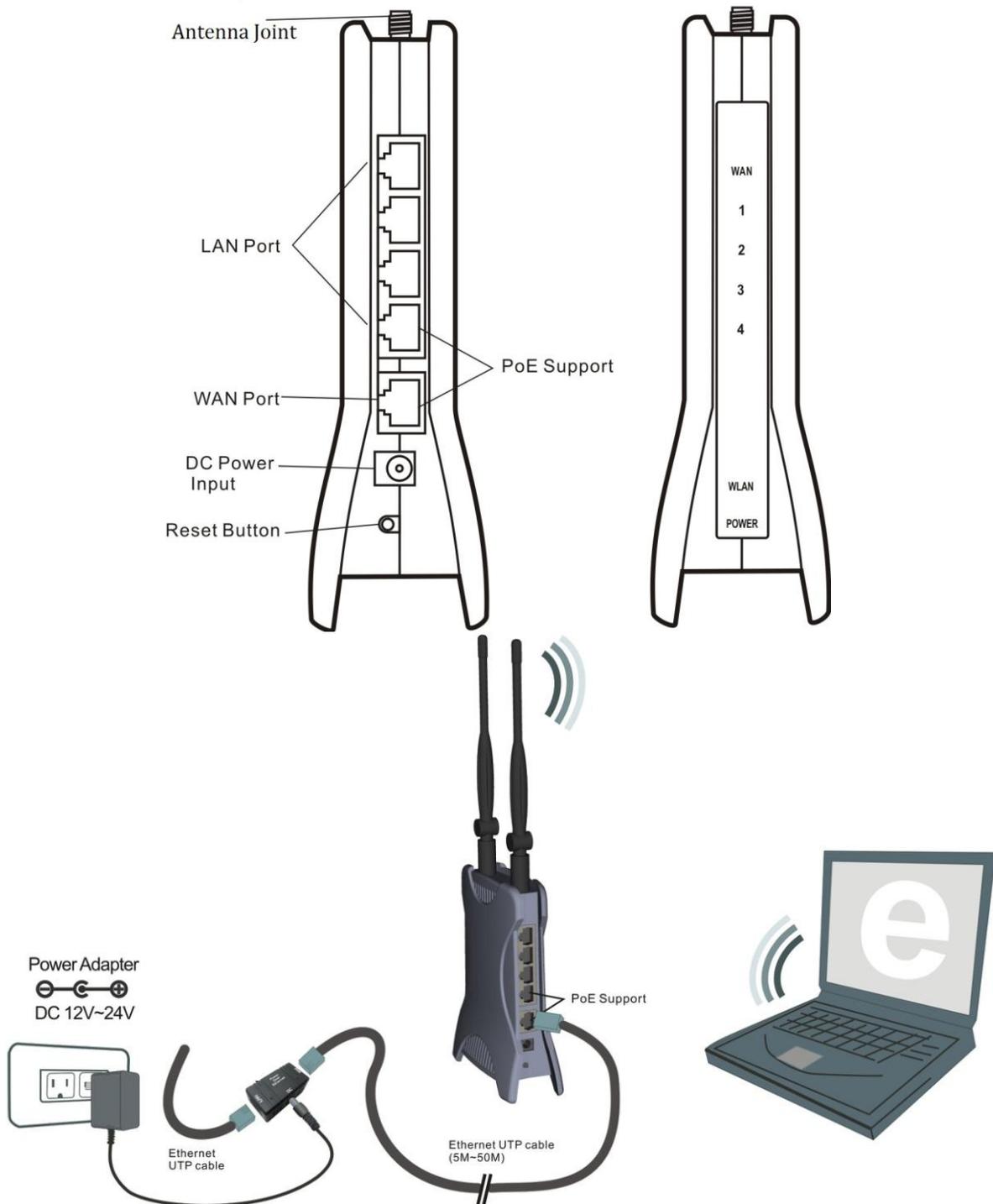The device has three operation modes (Gateway/Bridge/WISP).
The default IP addresses for the device are 192.168.1.254, so you need to make sure the IP address of your PC is in the same subnet as the device, such as 192.168.1.X.
It will take about 55 seconds to complete the boot up sequence after power on.

PoE DC Injector Configuration

POE means Power over Ethernet, usually used with Wireless Device.
You can use it to integrate the power and the Ethernet then connected with the RJ45 cable.
With POE, you can bring the power and Ethernet with long distance as far as the length of RJ45 cable.

Since you used PoE DC Injector, the cable line won't perplex you anymore. Your Access Point & Router are installed conveniently to gain more efficient bandwidth by yourself.

Less space and electricity limitation, more comfortable wireless life.

POWERLINK

POWERLINK PL-APN High Power 802.11bgn AP Router

Part II: Internal Web Management

AP Model Setup (ADSL)

1、 Install the antenna & power adapter, and then connect the LAN cable with LAN port of this equipment. Another side of cable line connects with network card of computer. Waiting for booting around 20 seconds.
2、 Open the IE (Internet Explorer) and type 192.168.1.254 on Website to enter the setup frame. If you can't enter to setup frame, please press Reset button around 10 seconds to restore AP and try to enter again.

Select the Setup Wizard on the left side of setup frame and press Next>>

www.premiertek.com

Setup Wizard

The setup wizard will guide you to configure access point for first time. Please follow the setup wizard step by step.

Welcome to Setup Wizard.

The Wizard will guide you the through following steps. Begin by clicking on Next.

1. Setup Operation Mode
2. Choose your Time Zone
3. Setup LAN Interface
4. Setup WAN Interface
5. Wireless LAN Setting
6. Wireless Security Setting

Next>>

1. In Operation Mode, select Gateway and press Next>>

Gateway: In this mode, the device is supposed to connect to internet via ADSL/Cable Modem. The NAT is enabled and PCs in four LAN ports share the same IP to ISP through WAN port. The connection type can be setup in WAN page by using PPPOE, DHCP client, PPTP client or static IP.

Bridge: In this mode, all ethernet ports and wireless interface are bridged together and NAT function is disabled. All the WAN related function and firewall are not supported.

Wireless ISP: In this mode, all ethernet ports are bridged together and the wireless client will connect to ISP access point. The NAT is enabled and PCs in ethernet ports share the same IP to ISP through wireless LAN. You must set the wireless to client mode first and connect to the ISP AP in Site-Survey page. The connection type can be setup in WAN page by using PPPOE, DHCP client, PPTP client or static IP.

Cancel   <<Back   Next>>

2. In Time Zone Setting, if you don't need any change, please press Next>>

2. Time Zone Setting

You can maintain the system time by synchronizing with a public time server over the Internet.

☐ **Enable NTP client update**

Time Zone Select : (GMT+08:00)Taipei

NTP server : 192.5.41.41 - North America

Cancel   <<Back   Next>>

3. In LAN Interface Setup, you may change the setting of IP address, DHCP and etc. then press Next>>

3. LAN Interface Setup

This page is used to configure the parameters for local area network which connects to the LAN port of your Access Point. Here you may change the setting for IP addresss, subnet mask, DHCP, etc..

IP Address:	192.168.1.254
Subnet Mask:	255.255.255.0

Cancel   <<Back   Next>>

4. In WAN Interface Setup, select PPPoE for your connection of WAN Access Type and enter User Name & Password which presented by your ISOP. And then press Next>>

4. WAN Interface Setup

This page is used to configure the parameters for Internet network which connects to the WAN port of your Access Point. Here you may change the access method to static IP, DHCP, PPPoE, PPTP or L2TP by click the item value of WAN Access type.

WAN Access Type:	PPPoE
User Name:	
Password:	

Cancel   <<Back   Next>>

5. In Wireless Basic Setting, select AP for your Mode and change your SSID setup, then press Next>>

5. Wireless Basic Settings

This page is used to configure the parameters for wireless LAN clients which may connect to your Access Point.

Band: 2.4 GHz (B+G)

Mode: AP
- AP
- Client
- WDS
- AP+WDS

Network Type:

SSID:

Channel Number: 11

☐ Enable Mac Clone (Single Ethernet Client)

Cancel   <<Back   Next>>

6. In Wireless Security, select your setup of wireless security (WEP, WPA) and press Finished to reboot around 20 seconds.

6. Wireless Security Setup

This page allows you setup the wireless security. Turn on WEP or WPA by using Encryption Keys could prevent any unauthorized access to your wireless network.

Encryption: None
- None
- WEP
- WPA (TKIP)
- WPA2(AES)
- WPA2 Mixed

Cancel   <<Back   Finished

Change setting successfully!

OK

POWERLINK PL-APN High Power 802.11bgn AP Router

Note: You have to connect ADSL cable with WAN port of this equipment.

===

AP Model Setup (IP Share)

1、 Install the antenna & power adapter, and then connect the LAN cable with LAN port of this equipment. Another side of cable line connects with network card of computer. Waiting for booting around 20 seconds.
2、 Open the IE (Internet Explorer) and type 192.168.1.254 on Website to enter the setup frame. If you can't enter to setup frame, please press Reset button around 10 seconds to restore AP and try to enter again.

Select the Setup Wizard on the left side of setup frame and press Next>>

WLAN Broadband Router

Broadband Router Status

This page shows the current status and some basic settings of the device.

Site contents:
- Status
- Setup Wizard
- Operation Mode
- Wireless
- TCP/IP Settings
- Firewall
- VPN Setting
- Management

System	
Uptime	0day:0h:32m:9s
Firmware Version	v1.4.2
Wireless Configuration	
Mode	AP
Band	2.4 GHz (B+G)
SSID	MyWLAN_BG
Channel Number	11
Encryption	Disabled
BSSID	00:e0:4c:d3:a1:8d
Associated Clients	0
TCP/IP Configuration	
Attain IP Protocol	Fixed IP

POWERLINK PL-APN High Power 802.11bgn AP Router

Setup Wizard

The setup wizard will guide you to configure access point for first time. Please follow the setup wizard step by step.

Welcome to Setup Wizard.

The Wizard will guide you the through following steps. Begin by clicking on Next.

1. Setup Operation Mode
2. Choose your Time Zone
3. Setup LAN Interface
4. Setup WAN Interface
5. Wireless LAN Setting
6. Wireless Security Setting

Next>>

1. In Operation Mode, select Bridge and press Next>>

○ **Gateway:** In this mode, the device is supposed to connect to internet via ADSL/Cable Modem. The NAT is enabled and PCs in four LAN ports share the same IP to ISP through WAN port. The connection type can be setup in WAN page by using PPPOE, DHCP client, PPTP client or static IP.

◉ **Bridge:** In this mode, all ethernet ports and wireless interface are bridged together and NAT function is disabled. All the WAN related function and firewall are not supported.

○ **Wireless ISP:** In this mode, all ethernet ports are bridged together and the wireless client will connect to ISP access point. The NAT is enabled and PCs in ethernet ports share the same IP to ISP through wireless LAN. You must set the wireless to client mode first and connect to the ISP AP in Site-Survey page. The connection type can be setup in WAN page by using PPPOE, DHCP client, PPTP client or static IP.

Cancel | <<Back | Next>>

2. In Time Zone Setting, if you don't need any change, please press Next>>

2. Time Zone Setting

You can maintain the system time by synchronizing with a public time server over the Internet.

☐ **Enable NTP client update**

Time Zone Select : (GMT+08:00)Taipei

NTP server : 192.5.41.41 - North America

Cancel | <<Back | Next>>

3. In LAN Interface Setup, you may change the setting of IP address, DHCP and etc. then press
Next>>

3. LAN Interface Setup

This page is used to configure the parameters for local area network which connects to the LAN port of your Access Point.
Here you may change the setting for IP addresss, subnet mask, DHCP, etc..

IP Address:	192.168.1.254
Subnet Mask:	255.255.255.0

<div align="right">

Cancel   <<Back   Next>>

</div>

4.In WAN Interface Setup, select DHCP Client for your connection of WAN Access Type and press
Next>>

4. WAN Interface Setup

This page is used to configure the parameters for Internet network which connects to the WAN port of your Access Point.
Here you may change the access method to static IP, DHCP, PPPoE or PPTP by click the item value of WAN Access type.

WAN Access Type: DHCP Client

Static IP
DHCP Client
PPPoE
PPTP

<div align="right">

Cancel   <<Back   Next>>

</div>

5. In Wireless Basic Setting, select AP for your Mode and change your SSID setup, then press Next>>

5. Wireless Basic Settings

This page is used to configure the parameters for wireless LAN clients which may connect to your Access Point.

Band:	2.4 GHz (B+G)
Mode:	AP
	AP
	Client
Network Type:	WDS
	AP+WDS
SSID:	
Channel Number:	11

☐ **Enable Mac Clone (Single Ethernet Client)**

Cancel | <<Back | Next>>

6. In Wireless Security, select your setup of wireless security (WEP, WPA) and press Finished to reboot around 20 seconds.

6. Wireless Security Setup

This page allows you setup the wireless security. Turn on WEP or WPA by using Encryption Keys could prevent any unauthorized access to your wireless network.

Encryption:	None
	None
	WEP
	WPA (TKIP)
	WPA2(AES)
	WPA2 Mixed

Cancel | <<Back | Finished

Select the TCP/IP Settings from left side of setup frame and choice LAN Interface.
Then choosing Disable from DHCP and press Apply Changes to reboot around 20 seconds to complete the setup.

This page is used to configure the parameters for local area network which connects to the LAN port of your Access Point. Here you may change the setting for IP addresss, subnet mask, DHCP, etc..

IP Address:	192.168.1.254
Subnet Mask:	255.255.255.0
Default Gateway:	0.0.0.0
DHCP:	Server
DHCP Client Range:	192.168.1.1 – 192.168.1.253 Show Client
Domain Name:	
802.1d Spanning Tree:	Disabled
Clone MAC Address:	000000000000

Apply Changes   Reset

Change setting successfully!

OK

Note: Please connect cable line with LAN port when you use this equipment to connect IP Share.