



ALL0360

Wireless LAN Controller



Quick Install Guide

Thank you for choosing the ALL0360 Wireless LAN Controller. This quick installation guide will help you go through hardware installation, WAN port setting, and remote management. You could refer to the appendix for gateway IP address configuration, safety, and technical support. Please read the following description to complete the basic settings.

Product accessory list:

- . CD with User Manual
- . Quick Installation Guide
- . Power adapter or supply
- . RJ45 Ethernet cable

Default IP:	<u>192.168.1.1</u>
User:	<u>admin</u>
Password:	<u>admin</u>

1. Connecting to Your Network

WAN Connection :

The WAN port can be connected with xDSL modem or fiber modem directly to the internet. Or be connected with switching hub or another router to your network.

LAN Connection :

The LAN port can be connected to a switching hub or directly to a PC.

DMZ Connection :

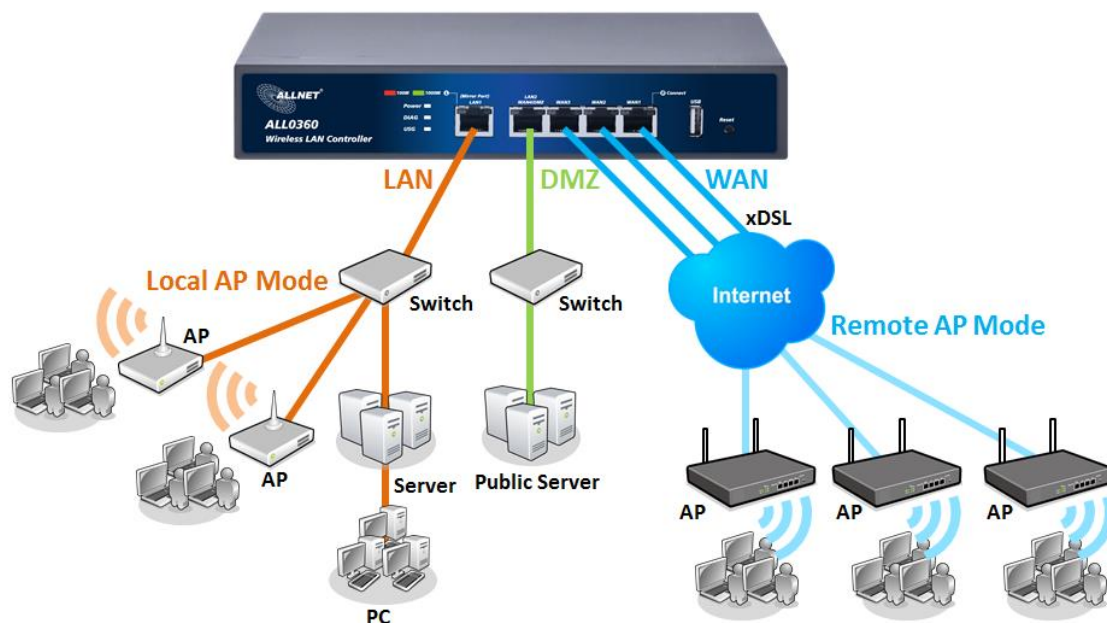
The DMZ port can be connected to servers that have legal IP address, such as web server, mail server, etc.

Local AP Mode :

Under Local AP Mode, the AP connected to one of the APC's LAN ports. While in this mode, the NAT will not be functional, and the UI will only allow the changing of the AP modes

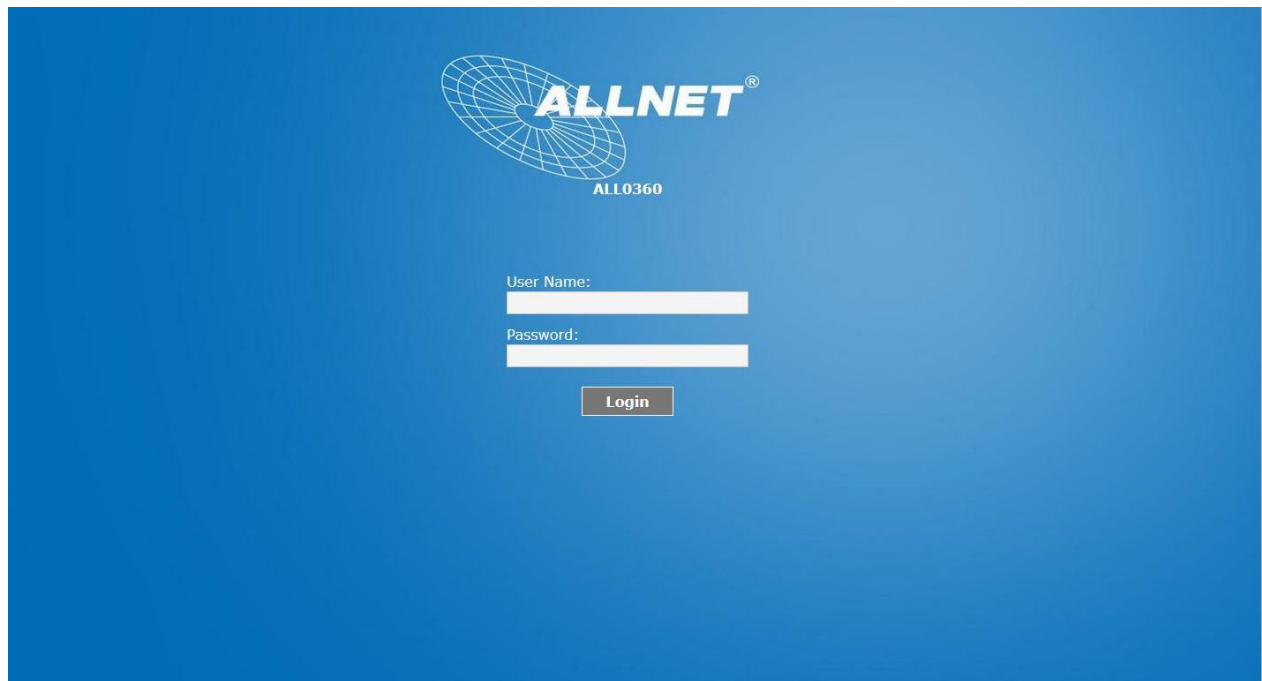
Remote AP Mode :

Under Remote AP Mode, the NAT feature will still be operational in translating IPs. While in this mode, the AP and its UI, is functionally the same as a standalone AP, the only difference being the configurations and modifications of setting are done through the APC. When configuring the AP to Remote AP Mode, the IP Address of the APC must be entered.



2. Logging In

To access the web-based user interface (UI), open your browser on the computer that you will use to configure the router. (Make sure the network adapter in your computer is set as obtain the IP address automatically.) And then enter the default IP address **192.168.1.1** into the URL address box. A login window will appear. Both the default username and password are 「**admin**」. Then click “ok” to enter web-based UI. (If the login window does not appear, please refer to “Appendix I” to check the default gateway IP address into the URL address box.) Once you have logged in, the web-based UI will appear.



After entering the web-based UI screen, choose 「[Network](#)」 → 「[Network Connection](#)」

Click [Edit](#) to enter the WAN and Internet Connection Configuration page.

The following figure is not for all models.

④ WAN Setting

Please choose how many WAN ports you prefer to use : (Default 4)

Interface	Connection Type	Config.
WAN 1	Obtain an IP automatically	Edit
WAN 2	Obtain an IP automatically	Edit
WAN 3	Obtain an IP automatically	Edit
WAN 4	Obtain an IP automatically	Edit

3. Configuring the Network

Obtain an IP automatically :

Interface : WAN1

WAN Connection Type : Obtain an IP automatically

☒ Use the Following DNS Server Addresses:

DNS Server (Required) 1: 0 . 0 . 0 . 0

2: 0 . 0 . 0 . 0

DNS Server :	Input the DNS IP address issued by your ISP. At least one IP group should be input. The maximum acceptable is two IP groups.
--------------	--

Static IP :

Interface : WAN1

WAN Connection Type: Static IP

WAN IP Address: 0 . 0 . 0 . 0

Subnet Mask: 0 . 0 . 0 . 0

Default Gateway: 0 . 0 . 0 . 0

DNS Server (Required): 0 . 0 . 0 . 0

DNS Server (Optional): 0 . 0 . 0 . 0

WAN IP Address :	Input the available static IP address issued by your ISP.
Subnet Mask :	Input the subnet mask of the static IP address issued by your ISP, such as : Issued 8 static IP addresses : 255.255.255.248 Issued 16 static IP addresses : 255.255.255.240
Default Gateway Address :	Input the default gateway issued by your ISP. For ADSL users, it is usually an ATU-RIP address. As for optical fiber users, please input the optical fiber switching IP.
DNS Server :	Input the DNS IP address issued by your ISP. At least one IP group should be input. The maximum acceptable is two IP groups.

PPPoE :

Interface: **WAN 1**

WAN Connection Type : **PPPoE**

UserName :

Password :

☐ Connect on Demand: Max Idle Time Min.
☒ Keep Alive: Redial Period Sec.

☐ Use the Following DNS Server Addresses

DNSServer(Required) : . . .

DNSServer(Optional) : . . .

DNSServer(Optional) : . . .

DNSServer(Optional) : . . .

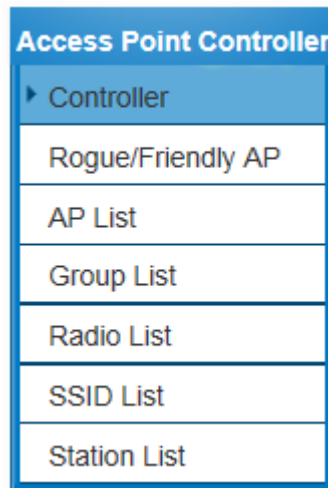
Shared-Circuit WAN environment : ☐ Yes ☒ NO (Filter broadcast packets from WAN)

MTU : ☒ Auto ☐ Manual bytes

User Name :	Input the user name issued by your ISP.
Password :	Input the password issued by your ISP.
Connect on Demand :	This function enables the auto-dialing function to be used in a PPPoE dial connection. When the client port attempts to connect with the Internet, the router will automatically make a dial connection. If the line has been idle for a period of time, the system will break the connection automatically. (The default time for automatic break-off resulting from no packet transmissions is five minutes).
Keep Alive :	This function enables the PPPoE dial connection to keep connected, and to automatically redial if the line is interrupted. It also enables a user to set up a time for redialing. The default is 30 seconds.
DNS Server :	Input the DNS IP address issued by your ISP. At least one IP group should be input. The maximum acceptable is four IP groups.

4. The Access Point Controller

The Access Point Controller (APC) function can simultaneously manage multiple APs through a unified central interface, including modify wireless settings, import configuration files, firmware upgrades and AP restart. We can also monitor the wireless network status through the Web interface as well.



The Easy Setup Wizard in Controller page can help you finish local AP settings through some simple steps.

Follow the steps from the Wizard by entering the SSID and Password you choose

AP Controller Easy Setup Wizard

Please input your wireless SSID (Service Set Identifier) and Password

No.	SSID	Password
1	<input type="text"/>	<input checked="" type="radio"/> Disabled <input type="radio"/> Enabled <input type="text"/>
2	<input type="text"/>	<input checked="" type="radio"/> Disabled <input type="radio"/> Enabled <input type="text"/>
3	<input type="text"/>	<input checked="" type="radio"/> Disabled <input type="radio"/> Enabled <input type="text"/>
4	<input type="text"/>	<input checked="" type="radio"/> Disabled <input type="radio"/> Enabled <input type="text"/>

When done, put the AP into Local AP Mode.

▶ **AP Mode**

AP Mode	<input checked="" type="radio"/> Standalone Wireless Router
	<input type="radio"/> Remote AP
	<input type="radio"/> Local AP

▶ **AC Address**

IP Address	:	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>
<input type="button" value="Add to list"/>					
<input type="button" value="Delete selected item"/>					

The AP will automatically restart, and then connect the LAN port of AP to a LAN port of the APC, and the wireless settings will be configured to the AP.

5. Remote Management

Remote Management function can enable you to manage the router at remote sites and to allow technical personals to assist you to solve in connection setting problem.

Open the screen of "General Policy" tab from "Firewall" menu. And then click "Enable" to activate the "Remote Management". Then enter the control port number you want to use.

General Policy

Firewall	<input checked="" type="radio"/> Enabled <input type="radio"/> Disabled
SPI (Stateful Packet Inspection)	<input checked="" type="radio"/> Enabled <input type="radio"/> Disabled
DoS (Denial of Service)	<input checked="" type="radio"/> Enabled <input type="radio"/> Disabled Advanced Function
Block WAN Request	<input checked="" type="checkbox"/> WAN 1 <input checked="" type="checkbox"/> WAN 2 <input checked="" type="checkbox"/> WAN 3 <input checked="" type="checkbox"/> WAN 4
Remote Management	<input type="radio"/> Enabled <input checked="" type="radio"/> Disabled Port : <input type="text" value="8080"/>
Multicast Pass Through	<input type="radio"/> Enabled <input checked="" type="radio"/> Disabled
Prevent ARP Virus Attack	<input checked="" type="radio"/> Enabled <input type="radio"/> Disabled Router sends ARP <input type="text" value="5"/> times per-second.

- http default is 8080, and you can change to port 80 or a port number that is greater than 1024.
- https default is 443, you can also change it to a port number greater than 1024.

※Please note, if your login password is still set as default password 「admin」, the system will request you to change your password as the bellow window. And then re-log into the web-based UI to enable the remote management (as above configuration step).

Password Setup

User Name	<input type="text" value="admin"/>
Password	<input type="password"/>
New Password	<input type="password"/>
Confirm New Password	<input type="password"/>

To ensure the router WAN condition information is correct, please enter Home page to check the information of WAN Status. If the internet connection is successful, you can read the WAN1 IP information as below example figure. For remote access from technical personals, you can inform them the information on remote management control port, WAN IP, login name and password.

▶ WAN Status

Interface	WAN 1
WAN IP Address	192.168.3.126
Default Gateway	192.168.3.1
DNS	192.168.3.20 192.168.3.253
Downstream Bandwidth Usage(KBytes/sec)	<1
Upstream Bandwidth Usage(KBytes/sec)	<1
DDNS Setup	NOIP Disabled
Quality of Service	0 rules set
Manual Connect	<div>Release</div> <div>Renew</div>

6. Basic Configuration complete

Your network should be connected successfully after the setting above. If there is any other feature or setting required, please refer to the user manual. User manuals are on the included CD, or you could also visit QNO website (<http://www.qno.com.tw>) for download.

【Appendix I】Check Your IP Address

The network adapter in your computer should obtain the IP address with 192.168.1.1 as default gateway automatically from a DHCP server. To verify your IP address, click **Start** from Windows→**Run**. And at the prompt, type **ipconfig** and press **Enter**. The IP address and default gateway will display on screen. (for example below case : The default gateway is "192.168.1.1".)

```
C:\WINDOWS\system32\CMD.exe
Microsoft Windows XP
(C) Copyright 1985-2001 Microsoft Corp.

C:\Documents and Settings\PM01>ipconfig

Windows IP Configuration

Ethernet adapter :

    Connection-specific DNS Suffix  . :
    IP Address. . . . . : 192.168.1.100
    Subnet Mask . . . . . : 255.255.255.0
    Default Gateway . . . . . : 192.168.1.1

C:\Documents and Settings\PM01>
```

If the default gateway is 0.0.0.0 or 169.x.x.x, it means the router did not obtain an IP address correctly, check your adapter installation, security settings and the network connection.

[\[Appendix II\] Return to Factory Default](#)

(Please note that the product will clear all the previous configurations after a factory default.)

1.Router factory default

Gateway IP : 192.168.1.1

Username/ Password : admin / admin

2.Hardware Factory Default

Press reset button on router until DIAG LED is blinking quickly, which is around 15 seconds. Release reset button and router will start to return to factory default.

3.Return to factory default with UI

- (1) Enter 「[System Tool](#)」 → 「[Restart](#)」
- (2) Click 「[Return to Factory Default Setting](#)」.

[Factory Default](#)

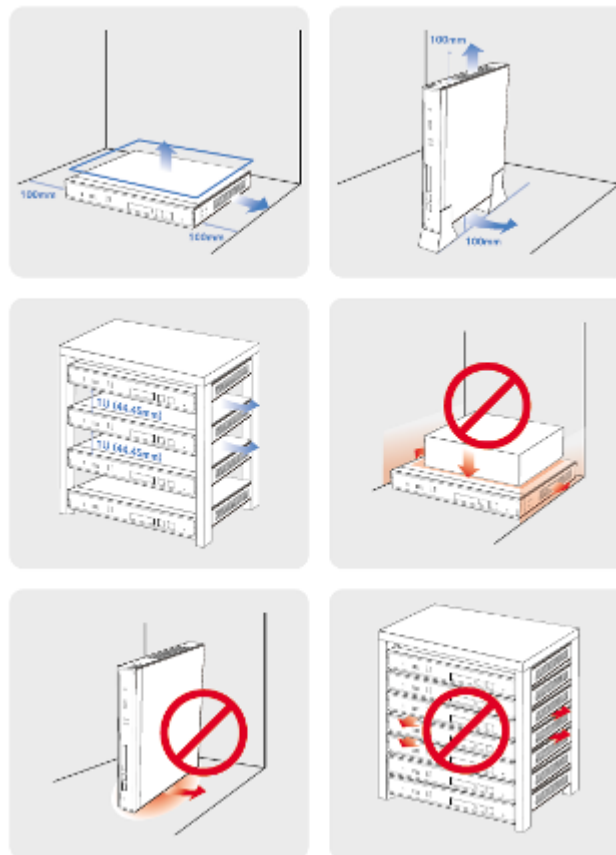
[Return to Factory Default Setting](#)

【Appendix III】 Safety Warnings of Physical Setup

The follow precautions will help you plan a safe operating environment for your router by avoiding environmental hazards caused equipment failures.

Please note that for the environment protection non-ventilator design, the shell of the router is used as heat conductor, so the operating temperature of shell is slightly higher than normal temperature.

1. Do not place anything on top of the router.
2. Do not obstruct the ventilation slots on each side of the router or expose it to direct sunlight or other heat sources. Keep at least 10cm space in front of both the vents for air convection. Excessive temperatures may damage the router.
3. If the router is installed in a rack with other machines, keep at least 1U space between machines.





CE-Declaration of Conformity

For the following equipment:

Germering, 30th of October, 2014

Wireless Controller

ALL0360



The safety advice in the documentation accompanying the products shall be obeyed.
The conformity to the above directive is indicated by the CE sign on the device.

The Allnet ALL0360 conforms to the Council Directives of 2004/108/EC.

This equipment meets the following conformance standards:

EN 55022:2010+AC:2011, Class B

IEC 61000-4-2:2008 ED.2.0

AS/NZS CISPR 22: 2009+A1 2010, Class B

IEC 61000-4-3:2010 ED. 3.2

CISPR 22:2008, Class B

IEC 61000-4-4:2012 ED. 3.0

EN 61000-3-2:2006+A1:2009+A2:2009, Class A

IEC 61000-4-5:2005 ED. 2.0

EN 61000-3-3:2013

IEC 61000-4-6:2013 ED. 4.0

EN 55024:2010

IEC 61000-4-8:2009 ED. 2.0

IEC 61000-4-11:2004 ED. 2.0

This equipment is intended to be operated in all countries.

This declaration is made by
ALLNET Computersysteme GmbH
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82110 Germering
Germany

Germering, 30.10.2014



Wolfgang Marcus Bauer
CEO

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Version 2.1, February 1999

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