

Question:

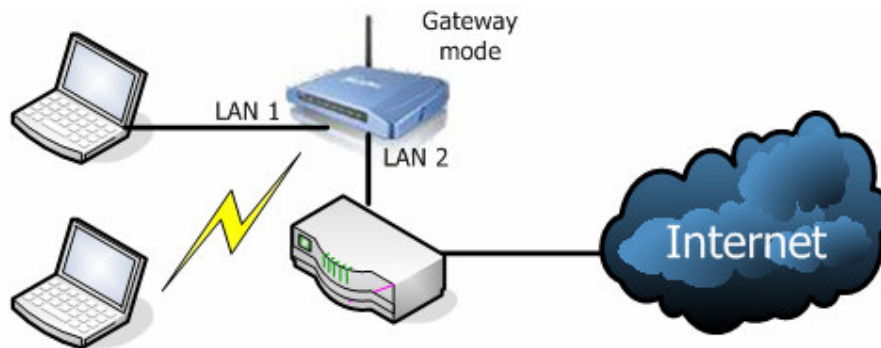
I have a modem of my ISP installed at home. I want to connect my WL-5460AP v2 to it, so need to connect one of the two Ethernet ports of the back of the WL-5460AP to the modem exit (Ethernet port). Only 1 IP address comes out of the modem, so the WL-5460AP needs to behave as router as well. Can it be done and if so, which settings do I need to select to:

- 1) Use it as a router (providing IP addresses to the multiple PC's that want to connect to the WL-5460AP
- 2) Can I still also use the second Ethernet port to connect a wired PC to the WL-5460AP?

Ps: also some PC's are unable to see the WL-5460AP? Do I need to update the new firmware?

Answer:

Your network environment is like this picture.



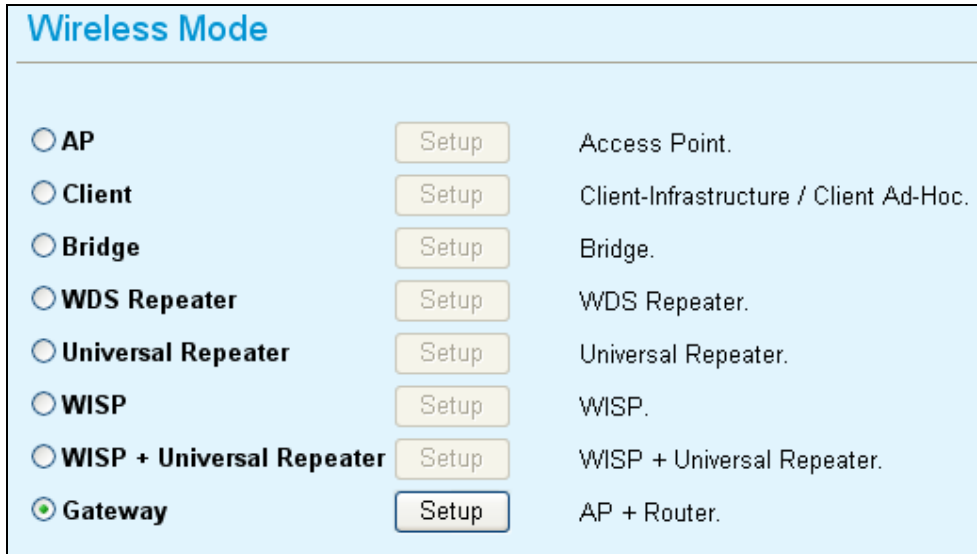
The modem is connected to WL-5460AP LAN 2 port, and client PC is connected to WL-5460AP LAN 1 port.

When WL-5460AP is set to Gateway mode, it provides several IP addresses to multiple client PC for connecting to the WL-5460AP.

Please follow steps here to setup your WL-5460AP

1. Upgrade new firmware to WL-5460AP (please see the attached file wr253_5460APv2e12_EU_httpupgrade.bin)

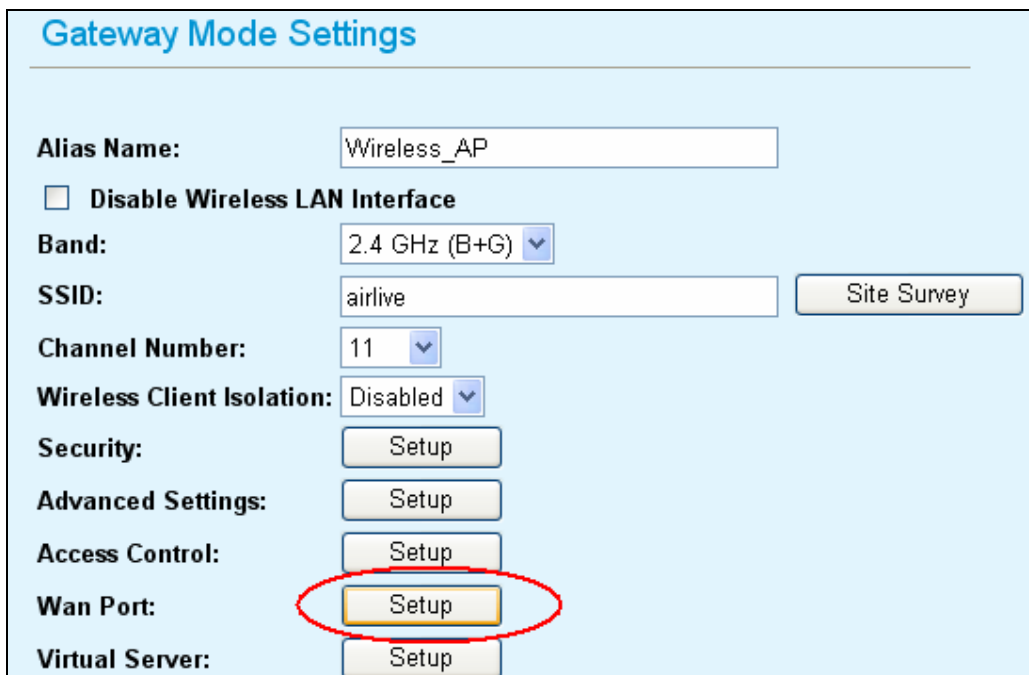
2. After upgrading firmware successfully, please change Wireless mode to Gateway mode



The image shows the 'Wireless Mode' configuration screen. It features a list of radio buttons for different modes, each with a 'Setup' button to its right. The 'Gateway' mode is selected, indicated by a filled radio button.

Mode	Setup Button	Description
<input type="radio"/> AP	Setup	Access Point.
<input type="radio"/> Client	Setup	Client-Infrastructure / Client Ad-Hoc.
<input type="radio"/> Bridge	Setup	Bridge.
<input type="radio"/> WDS Repeater	Setup	WDS Repeater.
<input type="radio"/> Universal Repeater	Setup	Universal Repeater.
<input type="radio"/> WISP	Setup	WISP.
<input type="radio"/> WISP + Universal Repeater	Setup	WISP + Universal Repeater.
<input checked="" type="radio"/> Gateway	Setup	AP + Router.

3. Click Setup of WAN Port



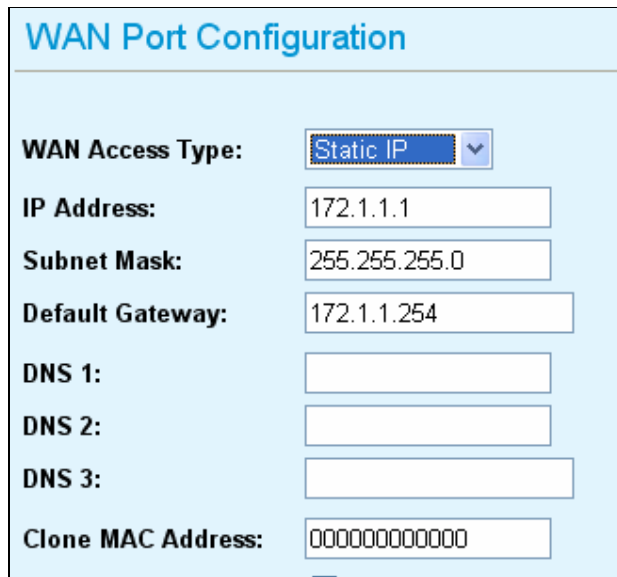
The image shows the 'Gateway Mode Settings' configuration screen. It contains various settings for the wireless network, including Alias Name, Band, SSID, Channel Number, Wireless Client Isolation, Security, Advanced Settings, Access Control, Wan Port, and Virtual Server. The 'Wan Port' 'Setup' button is circled in red.

Alias Name:	Wireless_AP
<input type="checkbox"/> Disable Wireless LAN Interface	
Band:	2.4 GHz (B+G) ▼
SSID:	airlive Site Survey
Channel Number:	11 ▼
Wireless Client Isolation:	Disabled ▼
Security:	Setup
Advanced Settings:	Setup
Access Control:	Setup
Wan Port:	Setup
Virtual Server:	Setup

4. Change WAN Access Type to "Static IP" , set the IP address , subnet mask , and default gateway as the following picture.

There is only one IP address which comes from modem.

(If your ISP locks your MAC address, you can set your MAC address into Clone MAC Address as the following picture)



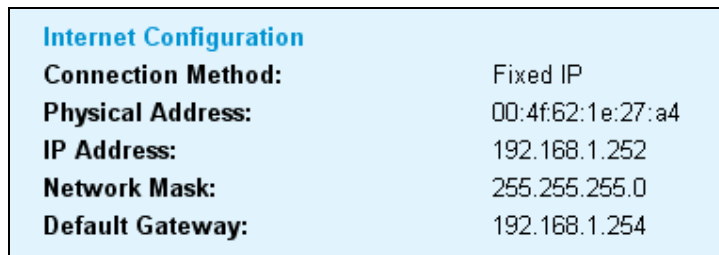
The screenshot shows the WAN Port Configuration page with the following settings:

WAN Port Configuration	
WAN Access Type:	Static IP
IP Address:	172.1.1.1
Subnet Mask:	255.255.255.0
Default Gateway:	172.1.1.254
DNS 1:	
DNS 2:	
DNS 3:	
Clone MAC Address:	000000000000

5. After setting is saved, click the status on system page.



6. Check the internet configuration setting is correct or not.



The screenshot shows the Internet Configuration page with the following settings:

Internet Configuration	
Connection Method:	Fixed IP
Physical Address:	00:4f:62:1e:27:a4
IP Address:	192.168.1.252
Network Mask:	255.255.255.0
Default Gateway:	192.168.1.254

7. Check your client PC IP address setting is correct or not

(You can use command line and key in "ipconfig /all" to check the setting)

```
C:\Documents and Settings\JackHsu>ipconfig /all

Windows IP Configuration

    Host Name . . . . . : Ovislink-PE
    Primary Dns Suffix . . . . . :
    Node Type . . . . . : Unknown
    IP Routing Enabled. . . . . : Yes
    WINS Proxy Enabled. . . . . : Yes

Ethernet adapter LAN:

    Connection-specific DNS Suffix . . :
    Description . . . . . : Realtek RTL8139/810x Family Fast Eth
ernet NIC
    Physical Address. . . . . : 00-20-ED-74-33-D2
    Dhcp Enabled. . . . . : Yes
    Autoconfiguration Enabled . . . . : Yes
    IP Address. . . . . : 192.168.100.100
    Subnet Mask . . . . . : 255.255.255.0
    Default Gateway . . . . . : 192.168.100.252
    DHCP Server . . . . . : 192.168.100.252
    DNS Servers . . . . . : 168.95.1.1
```

8. Try to ping a website, or browse a website.

If you can't open a website, please check your client PC whether it gets correct IP from WL-5460AP or not.