



WL-5470POE

**802.11g Hi Power
Multifunction AP/Router**

User's Manual



www.airlive.com

Declaration of Conformity


We, Manufacturer/Importer

OvisLink Corp.

**5F., NO.6, Lane 130, Min-Chuan Rd.,
Hsin-Tien City, Taipei County, Taiwan**

Declare that the product
802.11g Hi Power Multifunction AP/Router
AirLive WL-5470POE
is in conformity with

In accordance with 89/336 EEC-EMC Directive and 1999/5 EC-R & TTE Directive

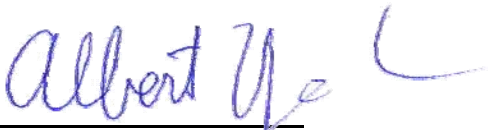
<u>Clause</u>	<u>Description</u>
■ EN 300 328 V1.7.1 (2006-10)	Electromagnetic compatibility and Radio spectrum Matters (ERM); Wideband transmission equipment operating in the 2.4GHz ISM band And using spread spectrum modulation techniques; Part 1 : technical Characteristics and test conditions Part2 : Harmonized EN covering Essential requirements under article 3.2 of the R&TTE Directive
■ EN 301 489-1 V1.5.1 (2004-11)	Electromagnetic compatibility and Radio spectrum Matters (ERM); Electromagnetic compatibility(EMC) standard for radio equipment and
■ EN 301 489-17 V1.2.1 (2002-08)	Services; Part 17 : Specific conditions for wideband data and HIPERLAN equipment
■ EN 50371:2002	Generic standard to demonstrate the compliance of low power Electronic and electrical apparatus with the basic restrictions related to human exposure to electromagnetic field (10MHz – 300GHz) -General public
■ EN 60950-1:2001/A11 :2004	Safety for information technology equipment including electrical business equipment
■ CE marking	

Manufacturer/Importer

Signature :

Name :

Position/ Title :



Albert Yeh

Vice President

Date : **2007/8/29**

(Stamp)

AirLive WL-5470POE CE Declaration Statement

Country	Declaration	Country	Declaration
cs Česky [Czech]	OvisLink Corp. tímto prohlašuje, že tento AirLive WL-5470POE je ve shodě se základními požadavky a dalšími příslušnými ustanoveními směrnice 1999/5/ES.	lt Lietuvių [Lithuanian]	Šiuo OvisLink Corp. deklaruoja, kad šis AirLive WL-5470POE atitinka esminius reikalavimus ir kitas 1999/5/EB Direktyvos nuostatas.
da Dansk [Danish]	Undertegnede OvisLink Corp. erklærer herved, at følgende udstyr AirLive WL-5470POE overholder de væsentlige krav og øvrige relevante krav i direktiv 1999/5/EF.	nl Nederlands [Dutch]	Hierbij verklaart OvisLink Corp. dat het toestel AirLive WL-5470POE in overeenstemming is met de essentiële eisen en de andere relevante bepalingen van richtlijn 1999/5/EG.
de Deutsch [German]	Hiermit erkläre OvisLink Corp., dass sich das Gerät AirLive WL-5470POE in Übereinstimmung mit den grundlegenden Anforderungen und den übrigen einschlägigen Bestimmungen der Richtlinie 1999/5/EG befindet.	mt Malti [Maltese]	Hawnhekk, OvisLink Corp, jiddikjara li dan AirLive WL-5470POE jikkonforma mal-ħtiġijiet essenzjali u ma provvedimenti oħrajn relevanti li hemm fid-Dirrettiva 1999/5/EC.
et Eesti [Estonian]	Käesolevaga kinnitab OvisLink Corp. seadme AirLive WL-5470POE vastavust direktiivi 1999/5/EÜ põhinõuetele ja nimetatud direktiivist tulenevatele teistele asjakohastele sätetele.	hu Magyar [Hungarian]	Az OvisLink Corporation kijelenti, hogy az AirLive WL-5470POE megfelel az 1999/05/CE irányelv alapvető követelményeinek és egyéb vonatkozó rendelkezéseinek.
en English	Hereby, OvisLink Corp., declares that this AirLive WL-5470POE is in compliance with the essential requirements and other relevant provisions of Directive 1999/5/EC.	pl Polski [Polish]	Niniejszym OvisLink Corp oświadcza, że AirLive WL-5470POE jest zgodny z zasadniczymi wymogami oraz pozostałymi stosownymi postanowieniami Dyrektywy 1999/5/EC.
es Español [Spanish]	Por medio de la presente OvisLink Corp. declara que el AirLive WL-5470POE cumple con los requisitos esenciales y cualesquiera otras disposiciones aplicables o exigibles de la Directiva 1999/5/CE.	pt Português [Portuguese]	OvisLink Corp declara que este AirLive WL-5470POE está conforme com os requisitos essenciais e outras disposições da Directiva 1999/5/CE.
el Ελληνική [Greek]	ΜΕ ΤΗΝ ΠΑΡΟΥΣΑ OvisLink Corp. ΔΗΛΩΝΕΙ ΟΤΙ AirLive WL-5470POE ΣΥΜΜΟΡΦΩΝΕΤΑΙ ΠΡΟΣ ΤΙΣ ΟΥΣΙΩΔΕΙΣ ΑΠΑΙΤΗΣΕΙΣ ΚΑΙ ΤΙΣ ΛΟΙΠΕΣ ΣΧΕΤΙΚΕΣ ΔΙΑΤΑΞΕΙΣ ΤΗΣ ΟΔΗΓΙΑΣ 1999/5/ΕΚ.	sl Slovensko [Slovenian]	OvisLink Corp izjavlja, da je ta AirLive WL-5470POE v skladu z bistvenimi zahtevami in ostalimi relevantnimi določili direktive 1999/5/ES.
fr Français [French]	Par la présente OvisLink Corp. déclare que l'appareil AirLive WL-5470POE est conforme aux exigences essentielles et aux autres dispositions pertinentes de la directive 1999/5/CE	sk Slovensky [Slovak]	OvisLink Corp týmto vyhlasuje, že AirLive WL-5470POE spĺňa základné požiadavky a všetky príslušné ustanovenia Smernice 1999/5/ES.
it Italiano [Italian]	Con la presente OvisLink Corp. dichiara che questo AirLive WL-5470POE è conforme ai requisiti essenziali ed alle altre disposizioni pertinenti stabilite dalla direttiva 1999/5/CE.	fi Suomi [Finnish]	OvisLink Corp vakuuttaa täten että AirLive WL-5470POE tyyppinen laite on direktiivin 1999/5/EY oleellisten vaatimusten ja sitä koskevien direktiivin muiden ehtojen mukainen
lv Latviski [Latvian]	Ar šo OvisLink Corp. deklarē, ka AirLive WL-5470POE atbilst Direktīvas 1999/5/EK būtiskajām prasībām un citiem ar to saistītajiem noteikumiem.	is Íslenska [Icelandic]	Hér með lýsir OvisLink Corp yfir því að AirLive WL-5470POE er í samræmi við grunnkröfur og aðrar kröfur, sem gerðar eru í tilskipun 1999/5/EC.
sv Svenska [Swedish]	Härmed intygar OvisLink Corp. att denna AirLive WL-5470POE står i överensstämmelse med de väsentliga egenskapskrav och övriga relevanta bestämmelser som framgår av direktiv 1999/5/EG.	no Norsk [Norwegian]	OvisLink Corp erklærer herved at utstyret AirLive WL-5470POE er i samsvar med de grunnleggende krav og øvrige relevante krav i direktiv 1999/5/EF.

A copy of the full CE report can be obtained from the following address:

OvisLink Corp.
5F, No.6 Lane 130,
Min-Chuan Rd, Hsin-Tien City,
Taipei, Taiwan, R.O.C.

This equipment may be used in AT, BE, CY, CZ, DK, EE, FI, FR, DE, GR, HU, IE, IT, LV, LT, LU, MT, NL, PL, PT, SK, SI, ES, SE, GB, IS, LI, NO, CH, BG, RO, TR

FCC Certifications

This equipment has been tested and found to comply with the limits for a Class B digital device, pursuant to Part 15 of the FCC Rules. These limits are designed to provide reasonable protection against harmful interference in a residential installation. This equipment generates uses and can radiate radio frequency energy and, if not installed and used in accordance with the instructions, may cause harmful interference to radio communications. However, there is no guarantee that interference will not occur in a particular installation. If this equipment does cause harmful interference to radio or television reception, which can be determined by turning the equipment off and on, the user is encouraged to try to correct the interference by one or more of the following measures:

- Reorient or relocate the receiving antenna.
- Increase the separation between the equipment and receiver.
- Connect the equipment into an outlet on a circuit different from that to which the receiver is connected.
- Consult the dealer or an experienced radio/TV technician for help.

CAUTION:

Any changes or modifications not expressly approved by the grantee of this device could void the user's authority to operate the equipment.

This device complies with Part 15 of the FCC rules. Operation is subject to the following two conditions: (1) This device may not cause harmful interference, and (2) This device must accept any interference received, including interference that may cause undesired operation.

For product available in the USA/Canada market, only channel 1~11 can be operated. Selection of other channels is not possible.

This device and its antenna(s) must not be co-located or operation in conjunction with any other antenna or transmitter.

FCC RF Radiation Exposure Statement

This equipment complies with FCC RF radiation exposure limits set forth for an uncontrolled environment. This equipment should be installed and operated with a minimum distance of 20cm between the radiator and your body.

CE Mark Warning

This is a Class B product. In a domestic environment, this product may cause radio interference, in which case the user may be required to take adequate measures. Hereby, Air Live, declares that this device is in compliance with the essential requirement and other relevant provisions of the R&TTE Directive 1999/5/EC.

All trademarks and brand names are the property of their respective proprietors.

Specifications are subject to change without prior notification.

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Introduction

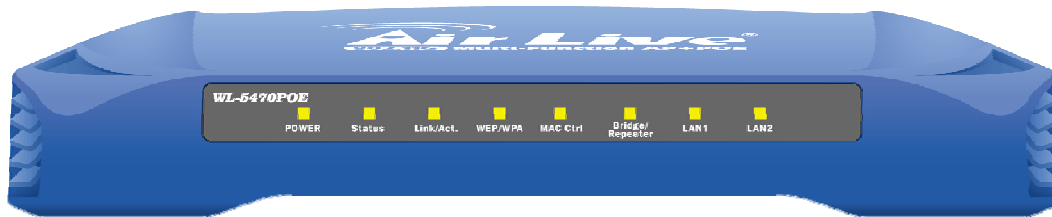
- **WL-5470POE** is world's most popular multi-function access point. It features an impressive total of 7 wireless multi-function modes that are not available in normal access point. In addition, the ACK timeout and RSSI feature makes it suitable for long distance application. From ordinary AP application to Hotspot and WISP usage, you will find the WL-5470POE is the device you want.
- **WL-5470POE** is an IEEE802.11b/g compliant 11 Mbps & 54 Mbps Ethernet Wireless Access Point. The Wireless Access Point is equipped with two 10/100 M Auto-sensing Ethernet ports for connecting to LAN and also for cascading to next Wireless Access Point.
- **WL-5470POE** provides 64/128bit WEP encryption, WPA-PSK, WPA2-PSK and IEEE802.1x which ensures a high level of security to protect users' data and privacy. The MAC Address filter prevents the unauthorized MAC Addresses from accessing your Wireless LAN. Your network security is therefore double assured. The web-based management utility is provided for easy configuration that your wireless network connection is ensured to be always solid and hassle free.

Features

1. 2x100Mbps LAN ports for Wireless AP cascade.,2MB flash,16MB SDRAM.
2. TX output power is limited to 20dBm (EU), 23dBm (FCC), up to 25dBm (South America).
3. **AP , Client, Bridge ,WDS Repeater, Universal Repeater** mode.
4. **WISP Client Router, WISP+ Universal Repeater** mode.
5. Allows WEP 64/128 bit.
6. Support WPA-PSK, WPA2-PSK encryption.
7. Support data rate automatic fallback.
8. Automatic channel selection.
9. Client access control.
10. Supports 802.1x/Radius client with EAP-TLS, TKIP, AES encryption.
11. Supports IAPP.
12. Adjustable Tx power, Tx rate, and SSID broadcast.
13. ACK Timeout , Watch dog function.
14. Web interface management.
15. Support System event log and statistics.
16. MAC filtering (For wireless only).

Parts, Names, and Functions

1. Front Panel: LED Indicators



LED	Function	Color	Status	Description
Power	Power indication	Green	Solid	Power is being applied to this product.
Status	Firmware executions indicator	Green	On and off	Turns solid green when the device is booting, after boot successfully, the light turn off.
Link/Act.	LAN port activity	Green	Solid	Turns solid green when connected and associated to at least a client station.
			Blinking	Receiving/Sending data
WEP/WPA	Encryption Status	Green	Solid	Turns solid orange when wireless security is enabled.
MAC Ctrl	MAC Ctrl Status	Green	Solid	Turns solid light when MAC Control is enabled.
Bridge/ Repeater	Bridge Repeater indicator	Green	Solid	Turn solid light when Bridge or Repeater is enabled.
LAN 1	Link activity	Green	Blinking	An active station is connected to the corresponding LAN port.
LAN 2				

Table 1: LED Indicators

2. Rear Panel: Connection Ports



Port	Functions
DC 12V	Connects the power adapter plug.
LAN 1	Connects inside network group. POE Power Input is available on LAN port 1.
LAN 2	
Reset	Press over 3 seconds to reboot this device. Press for over 10 seconds to restore factory settings. Performing the Factory Reset will erase all previously entered device settings.
Ant.	Connects antenna.

Table 2: Connection Ports

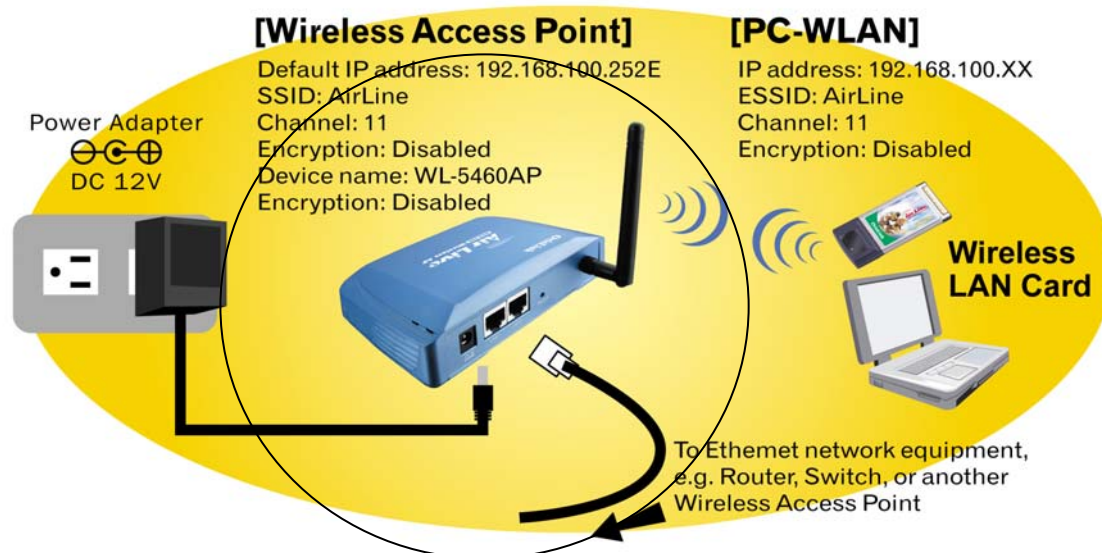
Factory Default Settings

Setting	Wireless Access Point
Device Name	WL-5470POE
SSID	Default value: airlive
Channel	Default value: 13
WEP	Default value: Disabled
IP Address	Default value: 192.168.100. 252
DHCP Server	<ul style="list-style-type: none"> ● In AP, Client, and Repeater mode, the default DHCP Server is disabled, Please set your PC's IP to the same subnet as the AP to access the AP. ● In WISP, mode, the default DHCP server is enabled. Please restart your PC to renew the IP address.
DHCP Server IP Range	192.168.100.100~192.168.100.200

Table 3: Default Setting

Hardware Connection

Note: Before you starting hardware connection, you are advised to find an appropriate location to place the Access Point. Usually, the best place for the Access Point is at the center of your wireless network, with line of straight to all your wireless stations. Also, remember to adjust the antenna; usually the higher the antenna is placed the better will be the performance.



1. Connect to your local area network: connect an Ethernet cable to one of the Ethernet port.
2. (LAN1 & LAN2) of this Wireless Access Point, and the other end to a hub, switch, router, or another wireless access point.
3. Power on the device: connect the included AC power adapter to the Wireless Access Point's power port and the other end to a wall outlet. **PoE port is available at the LAN port 1.**

• **Check the LED:**

The Power and LAN # LED should be ON. LAN# LED will even blink if there is traffic.

The Link/Act LED will be on in static when associated with a station and blink whenever this AP receives data packets in the air.

If the Status LED glows after self-test, it means the Wireless Access Point fails on self test. Please ask your dealer for technical support.

4. Please make sure your computer IP is in the same subnet as the AP (i.e. 192.168.100.x).
5. please make sure your computer has wireless network adapter installed.
6. Open the web browser and enter <http://192.168.100.252/>.

About the Wireless Operation Modes

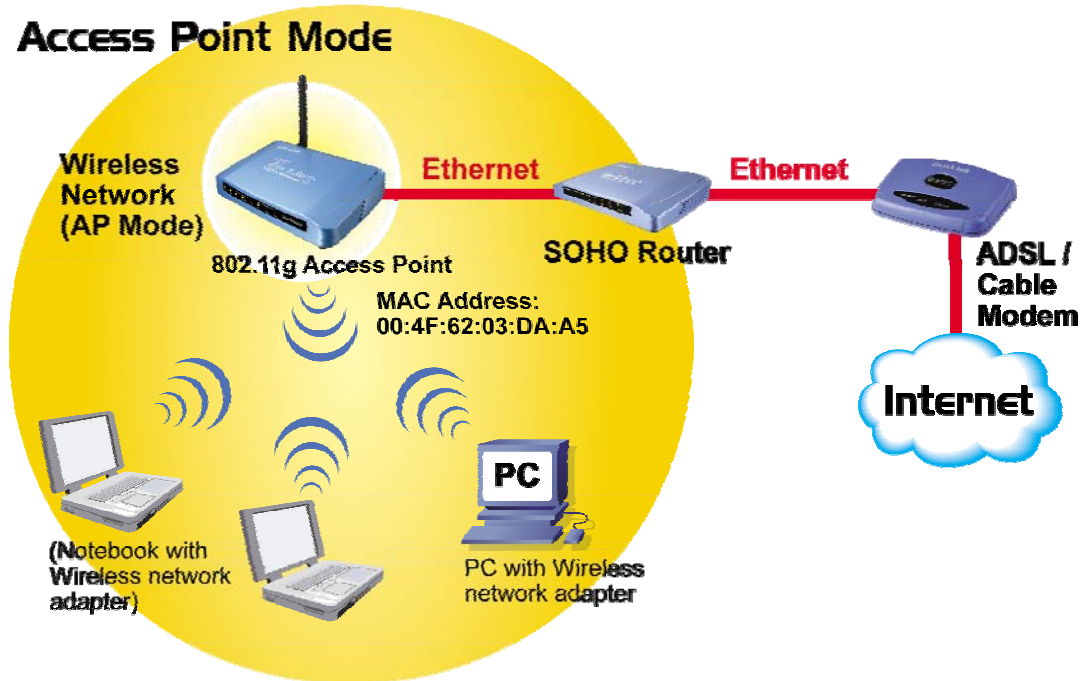
The WL-5470POE device provides 7 modes of wireless operational applications with:

- 1 **Access Point Mode.**
- 2 **Client Mode.**
- 3 **Bridge Mode.**
- 4 **WDS Repeater Mode.**
- 5 **Universal Repeater Mode.**
- 6 **WISP (Client Router) Mode.**
- 7 **WISP + Universal Repeater Mode.**

This device is shipped with configuration that is functional right out of the box. If you want to change the settings in order to perform more advanced configuration or even change the mode of operation, you can use the web-based utility provided by the manufacturer as described in the following sections.

Access Point Mode

When acting as an access point (default setting), this device connects all the stations (PC/notebook with wireless network adapter) to a wired network. All stations can have the Internet access if only the Access Point has the Internet connection. See the sample application below.



To set the operation mode to “Access Point”, please go to “Mode →AP” and click the **Setup** button.

