

WL-5460AP v2

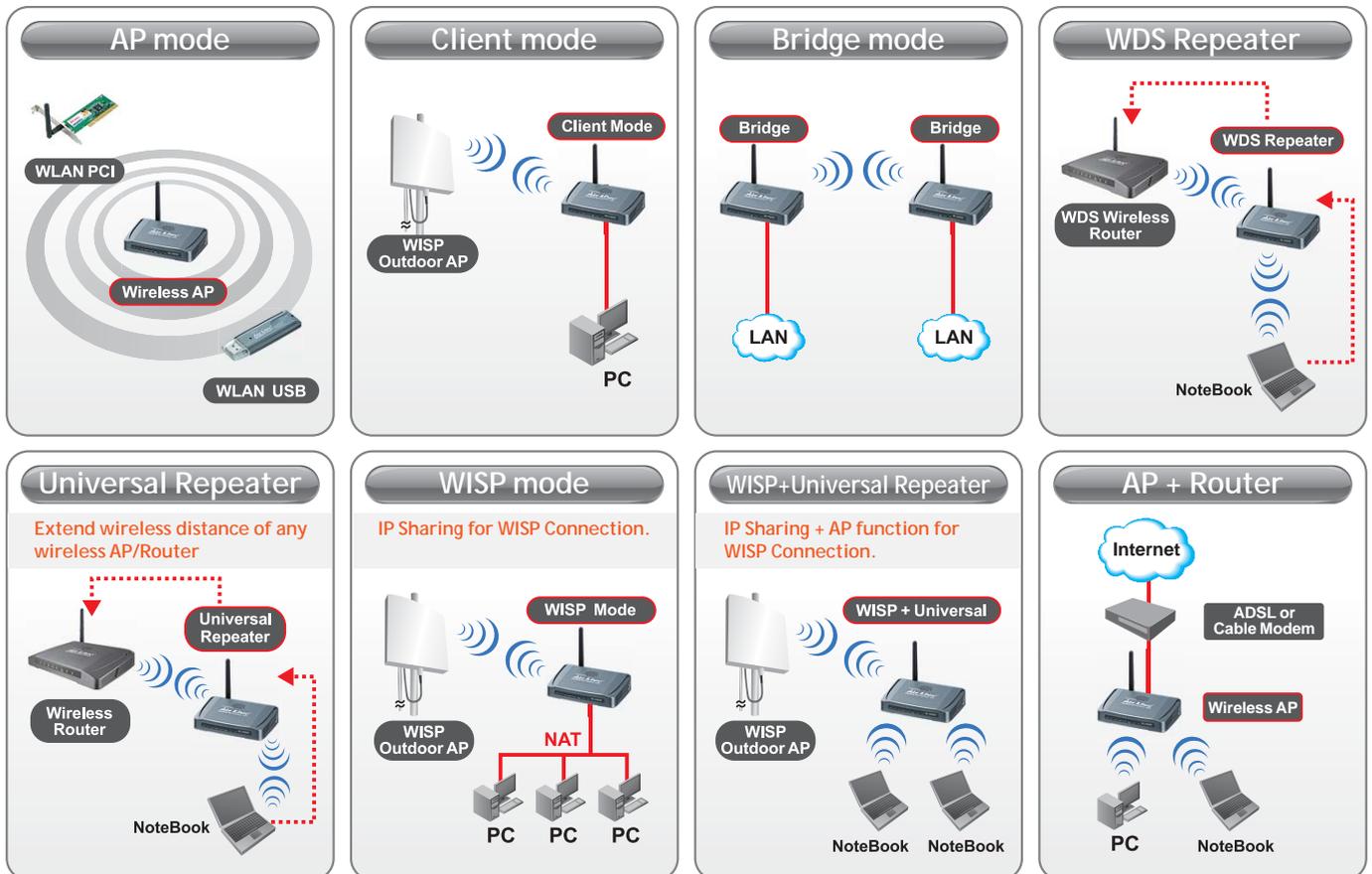
802.11g Multi-function Wireless Access Point

The AirLive WL-5460AP is the world's most popular multi-function 802.11b/g Access Point that operates in 2.4GHz frequency bands. It features incredible 8 wireless operation modes for all types of wireless operations.



7 Mode Wireless

The WL-5460AP v2 features an incredible 7-mode firmware



AP Mode: The WL-5460AP v2 is the central hub for all your wireless devices.

Bridge Mode: To connect 2 LANs together wirelessly.

Client Mode: Turn the WL-5460AP v2 into a wireless card so you can connect with remote AP.

WDS Repeater: To increase the wireless coverage of a WDS enabled AP/Router

Universal Repeater: AirLive's unique universal repeater function let the WL-5460AP v2 extend the coverage of your AP/Router, even if your AP/Router doesn't have WDS function!

WISP Mode: The WISP mode is similar to Client Mode. IP sharing function is added so you can share the WISP connection with many PCs.

WISP+Universal Repeater: The WISP+Universal Repeater mode let you share WISP connection on both wireless and wired side.

AP Router : The WL-5460AP is working as a wireless router. The LAN2 will become the WAN port.

Wireless Client Isolation

The WL-5460AP v2 features the new Wireless Client Isolation function previous available only in more expensive APs. When you enable this function, the wireless clients will not be able to see each other. Therefore, it is an important function for office and Hotspot operator to protect the security between different wireless users.

ACK Timeout and TX Power Regulation

The WL-5460AP v2 features ACK timeout function to let you adjust the timeout value for long distance operation. In addition, 5-level TX power adjustment let you match different antennas for law compliance. The ability to set lower TX output power is also crucial if you want to match the AP with external power amplifier.

Extended Security Features

The WL-5460AP v2 support WEP, WPA and WPA2 security functions. In addition, WPA enterprise for 802.1x authenticator are featured for AP and WDS mode. The combination of Encryption, Hide SSID and Access Control ensures your wireless network is completely secured from intruder.

Whether it's for office or home environment, the AirLive 802.11g family bring you the maximum performance and security for today's high speed wireless network.

* Before configuring TX power regulation, please clean the cookies on your PC first.

AP mode

The most basic mode of multi-function Access Point. In this mode, the AP will act as a central hub for different Wireless LAN clients. Some hotspot APs requires 802.1x authenticator function to authenticate a user before providing Internet service.



Client Mode

Also known as Ethernet Client. In this mode, the AP will act as a WLAN card to connect with the remote AP. Users can connect PC or local LAN to the Ethernet port of the client mode AP. This mode is mostly used as a CPE device for WISP subscriber.



Bridge mode

In this mode, 2 access points in two remote locations connect to each other to provide a wireless bridge between 2 remote LANs. It is mostly used by enterprise to connect 2 remote office's network together. The bridge modes are connected by using either the WDS (Wireless Distribution System) or Adhoc topology



WDS Repeater

A repeater's function is to extend the wireless coverage of another wireless AP or router. For WDS repeater to work, the remote wireless AP/Router must also support WDS function.



Universal Repeater

An universal repeater can also extend the wireless coverage of another wireless AP or router. But the universal repeater does not require the remote device to have WDS function. Therefore, it can work with almost any wireless device.



WISP (Client Router) mode

In WISP mode, the AP will behave just the same as the Client mode for wireless function. However, router functions are added between the wireless WAN side and the Ethernet LAN side. Therefore, the WISP subscriber can share the WISP connection without the need for extra router.



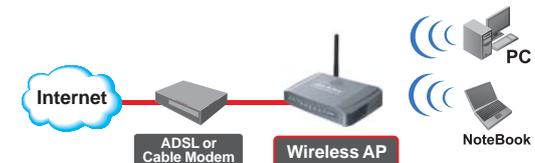
WISP + Universal Repeater mode

In this mode, the AP behaves virtually the same as the WISP mode, except one thing: the AP can also send wireless signal to the LAN side. That means the AP can connect with the remote WISP AP and the indoor wireless card, and then provide IP sharing capability all at the same time! However, the output power is divided between 2 wireless side and proper antenna installation can influence the performance greatly.



AP + Router mode

In AP + Router mode. The AP will behave like a broadband router. One of the LAN port will behave as a WAN port for wired connection to ADSL or Cable modem. The NAT routing will be performed between the WAN and LAN port. Making IP sharing possible.



FEATURES & SPECIFICATIONS

Features

- AP, Bridge, Client, Repeater functions
- WISP Client Router mode
- WISP + Universal Repeater Mode
- Detachable Antenna, 2 LAN ports
- 802.1x, WPA, WPA2 and Web Mgt.
- TX power regulation in 4 levels
- Watchdog function use PING
- Wireless Client Isolation (e8 firmware)

- ACK Timeout Adjustment
- DHCP Relay function
- 802.11g Protection

Specifications

Hardware:

- 2x 10/100Mbps LAN Port
- 2MB Flash, 16MB SDRAM
- Reversed SMA Antenna Port

- Power, LAN, WLAN LED indicators

Antenna :

- 2 dBi detachable Dipole Antenna
- Reversed SMA Connector

Frequency Range:

- USA (FCC) 11 Channels: 2.412GHz~2.462GHz
- Europe (ETSI) 13 Channels :
2.412GHz~2.472GHz

Modulation Technique:

- 11g Orthogonal Frequency Division Multiplexing (64QAM, 16QAM, QPSK, BPSK)
- 11b Direct Sequence Spread Spectrum (CCK, DQPSK, DBPSK)
- Data Rate: 54, 48, 36, 24, 18,11, 5.5, 2, 1 Mbps

Output Power:

- EU and FCC version
 - 20dBm Max
 - Adjustable in 6 levels
- Brazil version
 - 26dBm Max
 - Adjustable in 8 levels

WISP Mode

- DHCP, PPTP, L2TP, PPPoE ISP Authentication Support
- Wireless Client function as WAN
- WISP mode is not the same router mode
- To configure the WISP mode, you PC must be connected to the LAN port

Security:

- 64/128-bit
- 802.1x Radius Support
- WPA/WPA2-PSK support
- WPA Enterprise support in AP/WDS mode

Configuration:

- Web Management
- WDS (Bridge, Client, Repeater) mode
- Hide ESSID
- 802.1x
- MAC Access Control
- MAC Access Table
- Wireless Client Isolation (e8 firmware)
- SSID, Channel, RTS Threshold, Frag Threshold

Environmental

- Operating temperature: 0~60°C
- Operating humidity (non-condensing): 20~80%
- Storage temperature: -20~65°C
- Storage humidity: 95% Max

Power Supply

- DC12V

Dimension and Weight

- 135 x 100 x 26mm
- 180 g

EMI

- FCC, CE

Ordering Information:

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| AirLive WL-5460AP v2 | 802.11g Wireless Access Point, ETSI |
| | 802.11g Wireless Access Point, FCC |
| | 802.11g Wireless Access Point, South America |