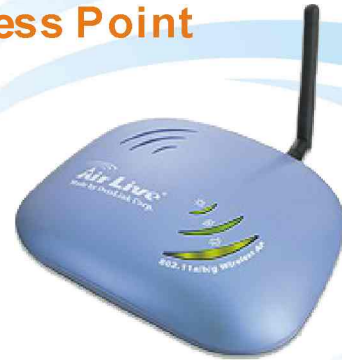


WLA-5000AP

802.11a/b/g Multi-function Wireless Access Point

The AirLive WLA-5000AP is the latest addition to AirLive's popular line of multi-function Access Points. The WLA-5000AP is a 802.11a/b/g multi-function AP that is designed to operate in the 5GHz or 2.4GHz spectrum. It features firmware with adjustable ACK value and detachable antenna that makes it suitable for long distance application also.



Operates in 5GHz and 2.4GHz spectrum

The AP can operate in 802.11a, b, or g mode. When it is in the 802.11a mode, it operates in the much quieter 5GHz spectrum. Comparing to other indoor 802.11a/b/g solutions, the AirLive WLA-5000AP features detachable antenna and firmware with adjustable ACK timing. So you can pair it with higher gain antenna and go the extra distance.



AP, WDS, and Client mode

The standard firmware comes with AP and WDS mode. But we also include the Client mode firmware in the CD, so users can upgrade the firmware through the web interface for client mode application. When the AP is in WDS mode, it can work as a Bridge between 2 LANs. Or as a WDS Repeater to extend the wireless coverage.

Long Distance Firmware

When you purchase an AirLive product, your product feature doesn't usually just end with the purchase*. We usually listen to the customer and provide added functions by upgrading the firmware features. The latest firmware provided functions for long distance application. The RSSI shows the receiver sensitivity in dBm values so users can align their antenna correctly. The ACK calculator helps the customer to determine the correct value for certain distance to improve the speed in long range applications. At last, the TX power regulation can reduce the output power to comply with the legal limit.

108Mbps Turbo Mode, Watchdog and SNMP support

When using it with other 802.11a product with Atheros chipset, the AP can achieve 108Mbps. For software features, it has UPnP(Universal Plug-n-Play) for easy operation with UPnP devices and Microsoft Windows. The 802.1d Spanning Tree Protocol prevents loop creation in the WDS mode. Watchdog function monitor the AP activity and reboot if system failure is detected. The SNMP v1/v2/v2c support allow administrator to central manage the AP from remote.

CE Certified

The AirLive WLA-5000AP is CE certified with TPC and DFS compliance. So you can use its special software function and hardware configuration legally in Europe.

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

*AirLiveCorp does not guarantee all products will receive firmware upgrade.



Specification

Recommended Outdoor Antennas:

- [WAE-5014PA](#): 5GHz 14dBi Antenna
- [WAE-5018PA](#): 5GHz 18dBi Antenna
- [WAE-5023PA](#): 5GHz 23dBi Antenna

Feature:

- Atheros SuperG and SuperA mode support for 108Mbps
- AP, WDS Bridge, WDS Repeater, Client Mode
- Client mode firmware
- Primary and secondary RADIUS server support
- Web-based management tool
- WPA with Pre-Shared Key Support, TKIP, and AES Support
- 152-bit WEP support (Atheros Proprietary)
- 802.1d Spanning Tree Protocol
- SNMP v1, v2, v2c support
- Watchdog timer

Hardware:

- 180Mhz R4000 CPU
- Wireless Chipset: Atheros AR2312+AR5112
- 1 x 10/100Mbps LAN Port
- 4MB Flash, 32MB SDRAM
- Reversed SMA Antenna Port
- Power, LAN, WLAN LED indicators

Antenna :

- 2 dBi detachable Dipole Antenna
- Reversed SMA Connector

Frequency Range:

- **802.11b/g**
 - USA (FCC) 11 Channels:
 - Europe (ETSI) 13 Channels:
 - Japan (TELEC) 14 Channels
- **802.11a**
 - USA: 12 Channels:
 - Europe (ETSI) 19 Channels:
 - Japan (TELEC) 4 Channels

Frequency Channel

- **802.11b/g**
 - USA (FCC): 2.412GHz~2.462GHz
 - Europe (ETSI): 2.412GHz~2.472GHz

Modulation Technique:

- 11a Orthogonal Frequency Division Multiplexing
- 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:

- 802.11b: 20dBm
- 802.11a: 17dBm
- 802.11g: 17dBm

Security:

- 64/128/152-bit WEP management
- WPA Support
- MAC address Access Control

Management:

- Web Management
- UPnP (Basic Device)

SNMP: v1, v2, v2c, Ether Like MIB, MIB II, 802.11MIB
Watchdog Timer to WARM boot system

Configuration:

- Web Management
- AP/WDS firmware and client firmware.
- Firmware upgradable
- Hide ESSID
- 802.1x Primary and Secondary Radius
- MAC Access Control
- Syslog support
- 802.11d STP protocol
- Privacy Separator

Environmental

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

Power Supply

- DC5V / 2A



- Japan (TELEC):2.412GHz~2.483GHz
- 802.11a**
- U-NII
 - 5.15 - 5.35 Ghz
 - 5.725 - 5.825 Ghz
 - ISM:
 - 5.725 - 5.850 Ghz
 - DSRC: 5.850 - 5.925GHz
 - Europe (ETSI) :
 - 5.15 - 5.35 Ghz
 - 5.47 - 5.725 Ghz
 - Japan (TELEC) :
 - 4.90 - 5.00 Ghz

Dimension and Weight

- 135 x 100 x 26mm
- 180 g

EMI

- FCC, CE

Ordering Information

AirLive WLA-5000AP 802.11a/b/g Multi-function Wireless Access Point