WLA-5200AP

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

The AirLive WLA-5200AP is AirLive's latest multi-function 802.11a/b/g Access Point that operates in 5GHz or 2.4GHz frequency bands. It features incredible 7 wireless operation modes. Featuring the power RTL-8651B RISC processor, it is a powerful yet cost effective solution.
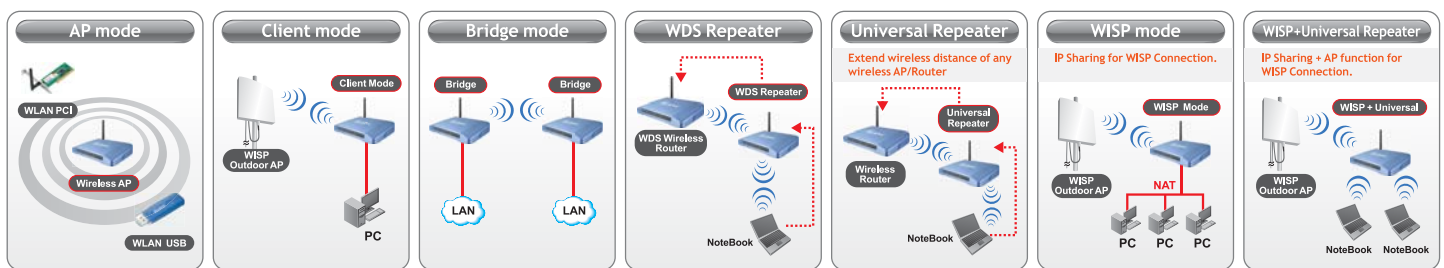
| AP | Bridge | Client | WDS | WISP | WPA2 | Universal Repeater | 5GHz | 2.4GHz |

Operates in 5Ghz or 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-5200AP features 802.11h compliance and firmware with adjustable ACK timing. So you can pair it with higher gain antenna and go the extra distance. AirLive further improve the 802.11a output signal from standard 12dB to 16dB for better long distance performance.

7 Mode Wireless

The WLA-5200APv2 features an incredible 6-mode firmware.

AP mode | Client mode | Bridge mode | WDS Repeater | Universal Repeater | WISP mode | WISP+Universal Repeater
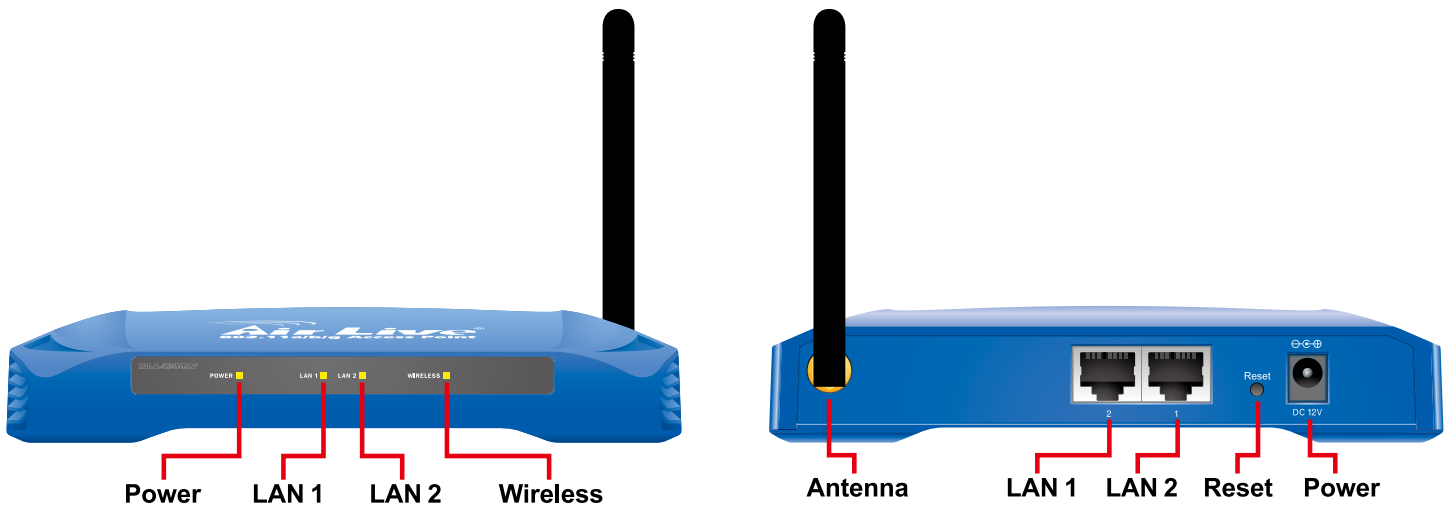
- **AP Mode:** The WLA-5200AP is the central hub for all your wireless devices.

- **Bridge Mode:** To connect 2 LANs together wirelessly.

- **Client Mode:** Turn the WLA-5200AP 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 WLA-5200AP 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.

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ACK Timeout and TX Power Regulation

The WLA-5200AP features ACK timeout function to let you adjust the timeout value for long distance operation. In addition, mult-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 WLA-5200AP 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.

Power   LAN 1   LAN 2   Wireless

Antenna   LAN 1   LAN 2   Reset   Power

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

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
- ACK Timeout Adjustment
- DHCP Relay function

Specifications

Hardware:
- RTL-8651B CPU
- Flash RAM: 4MB; SD RAM: 32MB
- Ralink 802.11a/b/g RF module
- Hardware Power Booster for 802.11a
- 2x 10/100Mbps LAN Port
- 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
  = 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
    * 5.03 - 5.091 GHz
    * 5.15 - 5.25 GHz

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:
- 802.11b: 20dBm
- 802.11a: 16dBm
- 802.11g: 17dBm

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
- SSID, Channel, RTS Threshold, Frag Threshold

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

Power Supply
- DC12V

Dimension and Weight
- 160 x 115 x 30mm
- 210 g

EMI
- FCC, CE

Ordering Information:

AirLive WLA-5200AP   802.11a/b/g Wireless Access Point

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