

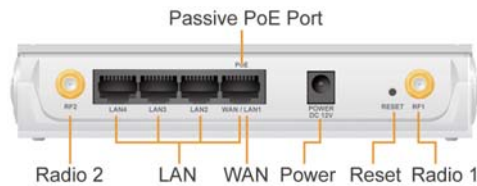
AirLive G.DUO

Dual 11g PoE Access Point

After more than one year of research and development, the AirLive G.DUO has finally arrived. It is the first Access Point with 2 Wireless-G radios that combines breakthrough design and advance functions to make dual radio applications more affordable and practical than ever. If your wireless deployment requires more than one access point, the G.DUO not only reduces your deployment cost but also reduces the energy consumption.



- Dual Radios
- 802.11 g/b
- WISP
- Hotel
- Multi Mode
- Bandwidth Control
- HTTPS
- Passive POE



2 x Access Points in One

The G.DUO has 2 wireless g/b radios on board; therefore, each radio can perform completely separate functions. Installations that used to require 2 separate access points can now be achieved using only one G.DUO. Both radios are hi-powered up to 26dBm (20dBm in EU) for extra long distance. In addition, G.DUO's firmware features 5 wireless operation modes to satisfy various wireless deployment requirements.

Wireless Mode	Radio1	Radio2	WAN
WISP + AP	Client Router	Access Point	Radio1
Dual AP	Access Point	Access Point	----
Client + AP	Client	Access Point	----
Gateway + AP	AP Router	AP Router	LAN1 Port
WDS + AP	WDS Bridge	Access Point	----

Crystal Synergy Design

Take one look at the G.DUO and you will indulge yourself in its stylish design. The G.DUO uses AirLive's latest Crystal Synergy design statement. It combines the elements of transparency, suspension, and kinetic movement to form the breathtaking gravity defying style. It is not only beautiful to look at but also provides the maximum amount of cooling surface. At AirLive, we believe our products should complement your interior design and stands out as a piece of art decor. The Crystal Synergy statement is a pinnacle achievement to that goal.



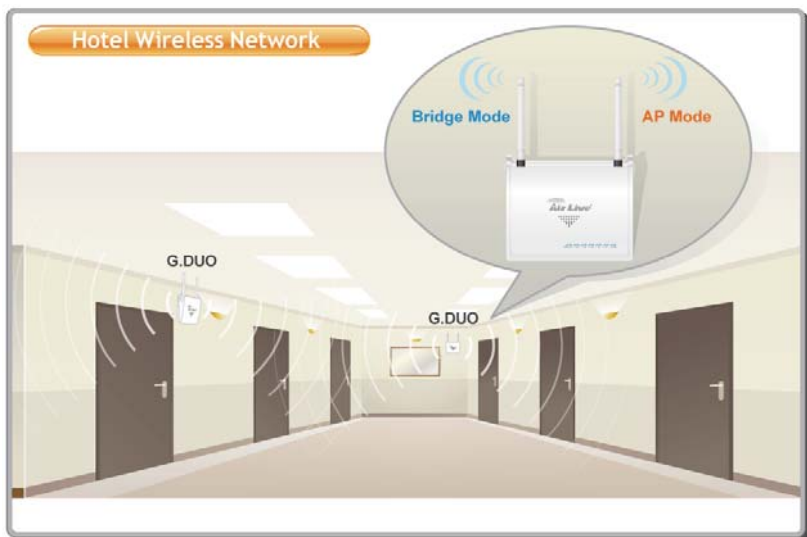
WISP 2-Radio CPE Application



Traditionally, the WISP operators will need 2 access points to provide total wireless access for their subscribers. That means one AP to outdoor and one AP for subscriber's home wireless network. Not only this increases the deployment cost, it also consumes more energy and complicates the installation. G.DUO's "WISP+AP" wireless operation mode is specially designed to satisfy WISP operator's requirement. The Site Survey wizard combines AP scanning,

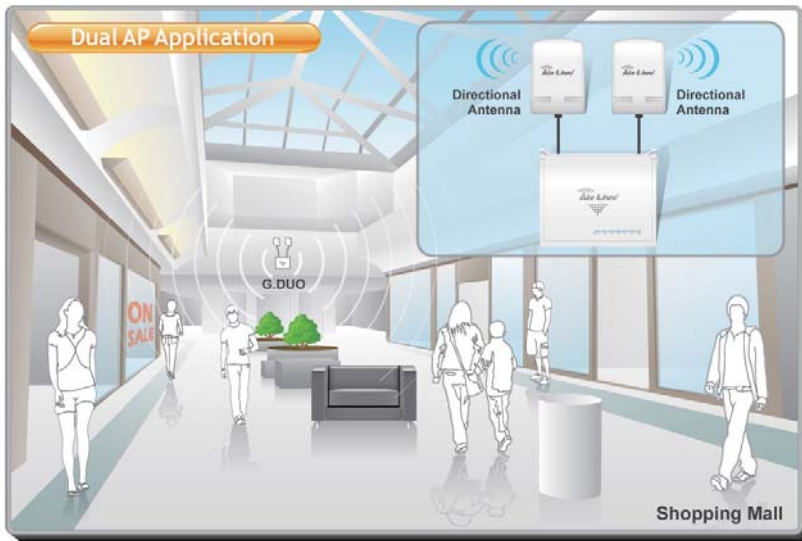
antenna alignment, and establish connection into one simple step. Service provider can even limit the bandwidth of the connection according to the subscription class. Moreover, the "partial configuration restore function" let you restore only wireless or network settings. It is a dream feature to allow changing wireless settings across a large number of access points.

Hotel Hotspot Deployment



Building a wireless network for hotel is always a challenging task. Many deployments require complete wireless coverage without hurting the existing decoration. That means the number of APs and cablings should reduce to the minimum. With G.DUO's "WDS+AP" operation mode, you can have one radio for Bridge network and one radio for AP mode. This eliminates the need for cables between the access points. Furthermore, the built-in PoE port allows G.DUO to be installed in location where there is no nearby power source.

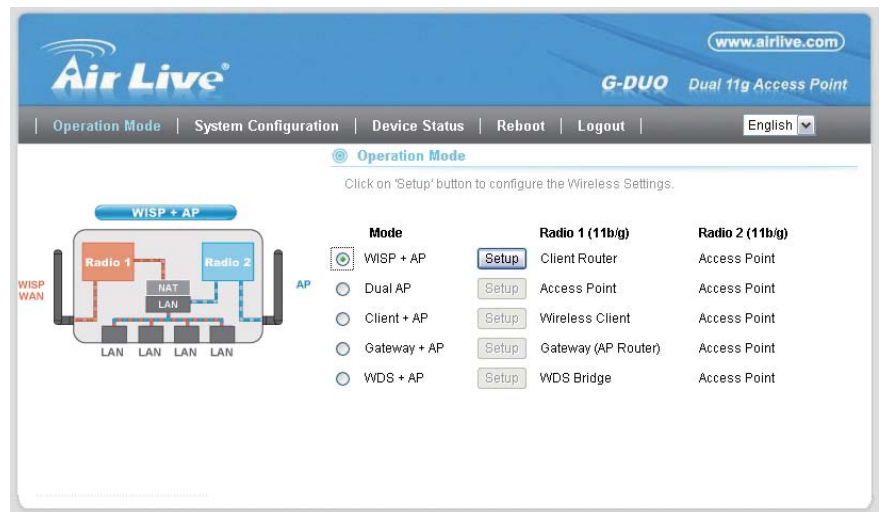
Shopping Malls and Public Areas



When used with directional antennas, the G.DUO's dual radio system makes it ideal for wireless coverage over large area such as shopping malls, parks, schools, and vacation resorts. It can greatly reduce the number of access points required. The G.DUO's Crystal Synergy design is even more stylish when wall mounted. It will fit into decorations of the public area much better than conventional access points.

AirLogic System Architecture

The G.DUO software system is built upon the new AirLogic software architecture. The under laying system core is our legendary wireless engine that offers superior performance and rich set of functions. It features firmware recovery system, multi-operation wireless mode, bandwidth control, and over 100 other features that make AirLive wireless products famous in the industry. The AirLogic Web Interface integrates all these powerful functions into an extremely easy to use multi-language interface that can change language instantly at any page.



The G.DUO is the culmination of the latest wireless technology and innovative design. It is also a masterpiece of meticulous engineering. But its greatest achievement is to bring the cost and flexibility of a dual-radio product to the new level.

* DC Injector not included

Specifications

Hardware Feature:

- 2 x 11g/b Radios
- 4MB Flash, 32MB SDRAM
- RoHS compliant
- 4 10/100 Mbps Ethernet Port with Auto MDI/MDI-X support
- 12V Passive PoE Port (LAN1)
- WAN Port (LAN1)
- Radio1: 26dBm(South America) or 20dBm(EU) TX output power
- Radio2: 24dBm(South America) or 20dBm(EU) TX output power
- 7 LED indicators
- Wall Mount Screw Holes
- Reset Button

Antennas:

- 2 x R-SMA antenna connectors
- 2 x 2dBi dipole antennas

Frequency Band

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

Rate and Modulation

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

TX Output Power

Radio1:

- South America: 26dBm (11b)
- South America: 20dBm (11g)
- EU: 20dBm(11b)
- EU: 20dBm(11g)

Radio2:

- South America: 24dBm (11b)
- South America: 20dBm (11g)
- EU: 20dBm(11b)
- EU: 20dBm(11g)

Receiver Sensitivity

- RF1

Data Rate	Receiver Sensitivity (dB)
1 Mbps	-92
2 Mbps	-91
5.5 Mbps	-88
6 Mbps	-86
9 Mbps	-86
11 Mbps	-85
12 Mbps	-85
18 Mbps	-84
24 Mbps	-80
36 Mbps	-78
48 Mbps	-73
54 Mbps	-72

- RF2

Data Rate	Receiver Sensitivity (dB)
1 Mbps	-90
2 Mbps	-88.5
5.5 Mbps	-88
6 Mbps	-83
9 Mbps	-83
11 Mbps	-84
12 Mbps	-83
18 Mbps	-82
24 Mbps	-81
36 Mbps	-77
48 Mbps	-74
54 Mbps	-71

Operation Modes

- WISP + AP Mode
- Dual AP Mode
- Client + AP Mode
- Gateway + AP Mode
- WDS + AP Mode

Advance Functions

- Site Survey with Signal Strength Indicator
- Bandwidth Control / Traffic Shaping
- Wi-Fi, WPA compatible interoperability
- WPA with PSK/TKIP/AES support ,WPA2 support
- Privacy Separator support
- Hide SSID Support
- Support adjustable output power
- ACK Timeout Adjustment
- Bootloader Protection and Emergency Firmware Upload Code
- Radius Supported
- Up to 40 Static DHCP entries
- Firmware upgrade and configuration backup via Web
- Partial Configuration Backup and Restore

Dimensions and Weight

- Dimension: 154 x 130 x 316 mm
- AP Unit Weight(Approximate): 280g
- Package Weight(Approximate): 686g

Power Supply

- Input: 100~240Vac/50~60Hz ,
- Output: DC 12V/1A
- 12V Passive PoE Port (DC Injector not included)

Certification

- CE
- FCC

Environment

- Operating temperature: 0~50°C
- Operating humidity (non-condensing): 20~80%
- Storage temperature: -20~65°C
- Storage humidity: 95% Max

Ordering Information:

AirLive G.DUO Dual 11g PoE Access Point