

# D-Link DWL-900AP+ Modes

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This article was written because of the lack of documentation on the D-Link DWL-900AP+ Access Point's different modes. It has been put together from various sources off the Internet. If any information is missing or inaccurate here, please email me: [nemesis@realmtech.net](mailto:nemesis@realmtech.net).

## Access Point Mode

This is self-explanatory. In Access Point mode, the DWL-900AP+ will allow wireless clients to access the wired LAN (connected to the Ethernet port)

## Wireless Client Mode

This mode allows you to connect the 900AP+ to a device with an Ethernet port via a crossover cable (e.g. Computer, X-Box, etc). The 900AP+ will **not** accept connections from wireless clients. The MAC address of the remote access point must be entered (this can be obtained by using the 'Site Survey' button).

## Wireless Bridge & Multipoint Bridge Modes

This mode is designed for connecting two or more wired LANs over a wireless connection. As far as I can tell, to use this mode, **both** access points must be set to Bridge mode. I'm not sure if the AP's will accept wireless clients while in these modes.

From the D-Link site, this mode is compatible with the following products:

- DWL-800AP+
- DWL-900AP+
- DWL-1000AP+
- DI-614+
- DI-764
- DI-754 (with DWL-650+ adapter)
- DI-714P+

## Repeater Mode

While in this mode, the 900AP+ will extend the range of your 802.11b network. It will work with the same products (listed above) as with wireless bridging. While extended range is all well and good, it comes at a price:

**Throughput is halved.** In order for the 900AP+ to repeat the signal, it must use half of its' bandwidth to talk to the other Access Point, leaving only half to talk to your wireless client (e.g. laptop).

**The LAN port is inoperative.** The 900AP+ will only allow you to administer it using its LAN port while in repeater mode; it will not act as a wireless client. In addition, administration of the 900AP+ may **only** be done using the LAN port while in repeater mode. It becomes a 'transparent' device on the 802.11b network.