

A **Wireless Distribution System** [WDS] is a system that enables the interconnection of [access points](#) wirelessly. As described in [IEEE 802.11](#), it allows a wireless network to be expanded using multiple access points without the need for a wired backbone to link them, as is traditionally required. [\[1\]](#)

An [access point](#) can be either a main, relay or remote base station. A main base station is typically connected to the wired [Ethernet](#). A relay base station relays data between remote base stations, wireless clients or other relay stations to either a main or another relay main station. A remote base station accepts connections from wireless clients and passes them to relay or main stations. Connections between "clients" are done through use of [MAC address](#), as opposed to specifying IP assignments.

source - Wireless Distribution System. (2006, August 7). In *Wikipedia, The Free Encyclopedia*. Retrieved August 30, 2006, from http://en.wikipedia.org/wiki/Wireless_Distribution_System

Hautspot creates [hotzones](#) from [hotspots](#) using standards-based WDS technology. Hautspot is committed to using only technology which is industry standard and non-proprietary, so that no hardware or software vendor may ever exercise control over Hautspot's deployed wireless networks. This protects our clients' investments in design, deployment, and hardware, as one vendor's equipment may be replaced with another's, so long as they both adhere to established networking standards.

[Back](#)