

Wi-Fi, also, **WiFi**, **Wi-fi** or **wifi**, is a brand originally licensed by the [Wi-Fi Alliance](#) to describe the underlying technology of [wireless local area networks \(WLAN\)](#) based on the [IEEE 802.11](#) specifications.

The typical Wi-Fi setup contains one or more Access Points (APs) and one or more clients. An AP broadcasts its [SSID](#) (Service Set Identifier, "Network name") via packets that are called [beacons](#), which are broadcast every 100 ms. The beacons are transmitted at 1 Mbit/s, and are of relatively short duration and therefore do not have a significant influence on performance. Since 1 Mbit/s is the lowest rate of Wi-Fi it assures that the client who receives the beacon can communicate at least 1 Mbit/s.

source - Wi-Fi. (2006, August 30). In *Wikipedia, The Free Encyclopedia*. Retrieved August 29, 2006, from <http://en.wikipedia.org/wiki/Wi-fi>

The term "Wi-Fi" itself is really a moniker cast by the [Wi-Fi Alliance](#), a group which certifies equipment as being fully standards-compliant and interoperable between manufacturers. All of Hautspot's hardware is indeed [Wi-Fi Certified](#), and Hautspot is a member of [Wi-Fi Zone](#), the provider counterpart to the manufacturer's Wi-Fi Alliance.

[Back](#)