What is Jamming ? **Jamming** is a simple, yet highly effective method of causing a DoS on a wireless LAN. **Jamming**, as the name suggests, involves the use of a device to intentionally create interfering radio signals to effectively “jam” the airwaves, resulting in the AP and any client devices being unable to transmit. [Learn more in: Security Issues with Wi-Fi Networks](https://www.igi-global.com/chapter/security-issues-networks/16895)  
The communication channel between the nodes is compromised and occupied and jammed, thus preventing them the sensor nodes from communicating with each other. [Learn more in: Machine Learning Techniques to Mitigate Security Attacks in IoT](https://www.igi-global.com/chapter/machine-learning-techniques-to-mitigate-security-attacks-in-iot/239157) [1]

1. *"Michael Faraday". Encarta. Archived from [the original](https://au.encarta.msn.com/encyclopedia_761577227/faraday_michael.html) on 8 May 2006.*

*Retrieved 20 November 2008.*

What is Faraday Cage?

A **Faraday cage** or **Faraday shield** is an enclosure used to block [electromagnetic fields](https://en.wikipedia.org/wiki/Electromagnetic_field" \o "Electromagnetic field). A Faraday shield may be formed by a continuous covering of [conductive material](https://en.wikipedia.org/wiki/Electrical_conductor" \o "Electrical conductor), or in the case of a Faraday cage, by a mesh of such materials. Faraday cages are named after scientist [Michael Faraday](https://en.wikipedia.org/wiki/Michael_Faraday" \o "Michael Faraday), who invented them in 1836.

A Faraday cage operates because an external electrical field causes the [electric charges](https://en.wikipedia.org/wiki/Electric_charge" \o "Electric charge) within the cage's conducting material to be distributed so that they cancel the field's effect in the cage's interior. This phenomenon is used to protect sensitive [electronic equipment](https://en.wikipedia.org/wiki/Electronic_equipment" \o "Electronic equipment) (for example [RF receivers](https://en.wikipedia.org/wiki/RF_module" \o "RF module)) from external [radio frequency interference](https://en.wikipedia.org/wiki/Radio_frequency_interference" \o "Radio frequency interference) (RFI) often during testing or alignment of the device. [1]

*[1] What is jamming*. IGI Global. (n.d.). Retrieved December 1, 2022, from [igi-global](https://www.igi-global.com/dictionary/security-issues-networks/15947)