

## Getting started operational principles:

The Power Tags system has two components:

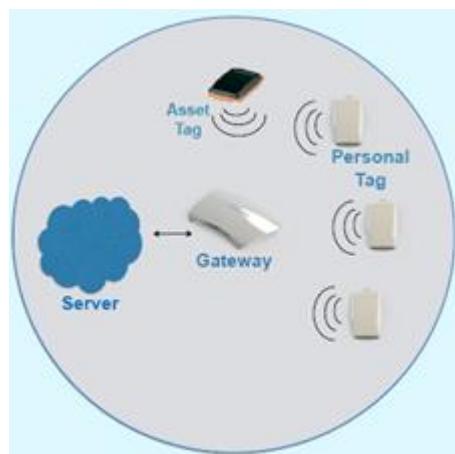
Tag v1.0



Gateway v 1.0



Network topology example:



Instructions:

1. Make sure you have purchased our online web server system or contact us at [support@power-tags.com](mailto:support@power-tags.com)
2. Connect the Gateway to a USB power source, make sure the red led is activated
3. Using our android mobile app configure the Gateway's Wi-Fi to associate to your Wi-Fi network.

4. Place the Tag in the upright position, make sure the red led on the tag is blinking and the red led in the gateway is blinking as well.
5. Open the Live Map view in web server dashboard, make sure the tag icon is reported.

## Operational principle

The PowerTags' technology enables tracking people and assets indoors by attaching tags to them.

The first component of the system is the tag which is operated by a small, long-life battery that lasts years and doesn't require replacing or recharging. It communicates via 915MHz RF with a number of gateways and pre-installed tags that are placed throughout the facility. The data collected hold estimated range of the tag from each installed unit is then transferred via the gateways WiFi to a web based server which uses trilateration algorithms to locate the tag's position.

The location data is used via a web based dashboard to display data on a map and perform analytics on the collected data.

### FCC Statement

This equipment has been tested and found to comply with the limits for a Class B digital device, pursuant to part 15 of the FCC Rules. These limits are designed to provide reasonable protection against harmful interference in a residential installation. This equipment generates uses and can radiate radio frequency energy and, if not installed and used in accordance with the instructions, may cause harmful interference to radio communications. However, there is no guarantee that interference will not occur in a particular installation. If this equipment does cause harmful interference to radio or television reception, which can be determined by turning the equipment off and on, the user is encouraged to try to correct the interference by one or more of the following measures:

- Reorient or relocate the receiving antenna.
- Increase the separation between the equipment and receiver.
- Connect the equipment into an outlet on a circuit different from that to which the receiver is connected.
- Consult the dealer or an experienced radio/TV technician for help.

### FCC Statement

This device complies with Part 15 of the FCC Rules. Operation is subject to the following two conditions: (1) this device may not cause harmful interference, and (2) this device must accept any interference received, including interference that may cause undesired operation.

### Caution!

Any changes or modifications not expressly approved by the party responsible for compliance could void the user's authority to operate the equipment.