

# INVENTORY MANAGEMENT

## Blackridge Beacon

Bluetooth Low Energy (BLE)  
GPS Tracking



Blackridge Beacons allow you to maintain up to the minute inventory control of all tagged equipment in your vehicles, on your work sites, in your warehouses and while in transit. Simply leverage your existing employees smart phones, tablets or notebooks with low energy Bluetooth to continuously transmit data from any piece of equipment outfitted with a Blackridge Beacon.



Blackridge Beacons track inventory, equipment and tools the moment they leave the storage facilities, the identity of the vehicle that transported the goods, and verifies that it was delivered to the correct site and arrived on time. Site inventory is taken continuously to ensure accurate billing and provides notifications as equipment leaves or enters the site.

The Blackridge Beacon is well suited for any environment. With a range of up to 250 meters and a weather proof enclosure, employees can take inventory automatically without intervention.

For some locations, you may choose to install a permanent Gateway for 24/7 inventory management. Additional temperature, light, motion and impact sensors can be utilized as required.



### LOCATION

Real time location of inventory equipment's and tools directly on a smartphone and website

### IMPACT

Determine whether product or equipment has been transported safely

### TEMPERATURE

Determine whether product or equipment is stored properly based on temperature specs

### LIGHT

Determine whether tag has been removed from equipment or exposed to light for dangerous goods transport

### BATTERY

Known battery level of the tag with warning if batteries are low

### PROXIMITY

Calculated approximate distance from the tag to the reader (Phone, Tablet, Laptop)

### INVENTORY MANAGEMENT & CONTROL

- Locate Inventory through online mapping: Android, IOS, Windows
- Find inventory, equipment and tools in buildings / job sites
- Automate Inventory pick-up and drop-off times
- Provides sensor (temperature, light, accelerometer) information on goods
- Receive automated notifications to prevent inventory / equipment loss

### MOBILE DEVICES

- Provide data on inventory that has been assigned to a specific vehicle, geographical location, or area within a building or site
- Locate inventory in buildings and on job sites through audible alerts, flashing LED lights
- Determine proximity of inventory through distance measurement to phones and tablets

### WEBSITE

- Real time Inventory / Equipment location with the ability to pre-assign inventory to a specific vehicle, building or job site
- Distributed Inventory / Equipment map based location information to all authorized users on all platforms (Android, IOS, Windows)

### HARDWARE FEATURES

- \* IP68 environmental rating enclosure
- \* Temperature range: -40C to +80C
- \* Dimensions: 46.5 x 68 x 10.2 mm
- \* 2 x CR2450 button batteries
- \* Sensors: Temperature, Accelerometer, Light
- \* Buzzer (75 dB)

### FIRMWARE FEATURES

- \* Remote OTA upgrade
- \* Configurable Tx Power, Advertising Interval, UUID, Major, Minor
- \* Battery Level
- \* iBeacon licenses

### RADIO FEATURES

- \* Bluetooth 4.0 low energy radio
- \* Transmit power: +8 dBm
- \* Receiver sensitivity: -98 dBm
- \* Integrated chip antenna