



## BeeAware LED Lights Functionality

Doc. No. :	TM_RB_0108-2
Rev. No. :	01
Effective Date :	10/26/2018
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# BeeAware LED Light Functionality

## Interpretation

1. GPS LED: Yellow color
2. Battery LED: Red color
3. Network LED: Green color
4. Power Button
5. Charging Port





## Overview

There are five modes which describe the control and state of the device:

- Turning on
- Broadcasting at ping interval
- Turning off
- Identify when to charge
- Charging

LED	Event	Status
NETWORK LED	Searching network	Fast Flash
	The device has been registered on network	Slow Flash
	Power Off or device is sleeping	Dark
GPS LED	GPS has fixed a position	Solid
	GPS in the process of fixing	Fast Flash
	GPS is off or device is sleeping	Dark
BATTERY LED	Power on and operating normal	Dark
	Charger inserted and charging completed	Solid
	Charger inserted and charging	Fast Flash
	Power key is pressed to power OFF the device	Fast Flash
	Power low alert	Slow Flash



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## Turn On

The device is turned on by holding the power button located on the side for 3 seconds until the Battery LED comes on, then letting it go. The device will proceed doing the following:

1. The Battery LED will turn on solid indicating the device is on.
2. The GPS LED will go to “fast flash” meaning the device is searching for a GPS position fix.
3. The Network LED will go to “fast flash” meaning the device is searching for network.
4. The device will acknowledge finding the network by showing a slow blink with the Network LED.
5. Once the device completes transmission of its message(s), the LEDs will turn off and device will go to sleep.

## Ping Interval

The device will broadcast according to frequency programmed in the configuration of the device (1 hour default configuration)

1. The GPS LED will go to “fast flash” indicating search for a GPS position fix.
2. The Network LED will go to “fast flash” indicating establishing network connection.
3. The LEDs will turn off after transmitting the data and go to sleep.

## Turn Off

The device is turned off by holding the power button on the side for 3 seconds, the device will acknowledge by flashing the Battery LED. Let go of the button at that time and device will go through power down operation with all LED's flashing. When the LED's are all turned off, device has powered down.

## Identify When To Charge

The device will indicate charging is needed when approximately 10% battery capacity is left and will start “slow flash” on the Battery LED.



## Charging

When the device is connected to the USB charger to charge it, the following sequence will proceed:

- The device will confirm it's starting to charge by displaying an initial Battery LED solid lasting one second.
- The Battery LED will then blink during charging.
- The Battery LED will turn on solid when fully charged.

## General Specifications

ITEM	SPECIFICATIONS	NOTES
Dimensions	92H x 42W x 33D mm	
Weight	102 g	
Water Resistance	Yes	IP50 rating
Battery	2600 LiON Rechargeable	Up to 45 days on a 1-hour interval report
Certifications	CE, FCC Part 15, PTCRB T-Mobile	
Operating Range	-20°C to +55°C	
Motion Detection	Motion alarm based on internal 3-axis accelerometer	
Locate Mode	GPS (Ublox) with 5 meter accuracy	
Transmission Mode	TCP, SMS, NBloT (Bands 2, 4, 12), GPRS	
Alarm Mode	Motion, Timed Interval, Power On	

