CHICKADEE
Quick Start Guide

Charging the Device

The CHICKADEE sensor is shipped in a secured enclosure with the battery preinstalled in a state of DEEP SLEEP.

TEKTELIC highly recommends fully charging the battery before activating the device, as this will ensure best accuracy in reported battery capacity.

Any 5 V source and USB-C cable can be used.

RED LED will be solid while charging.

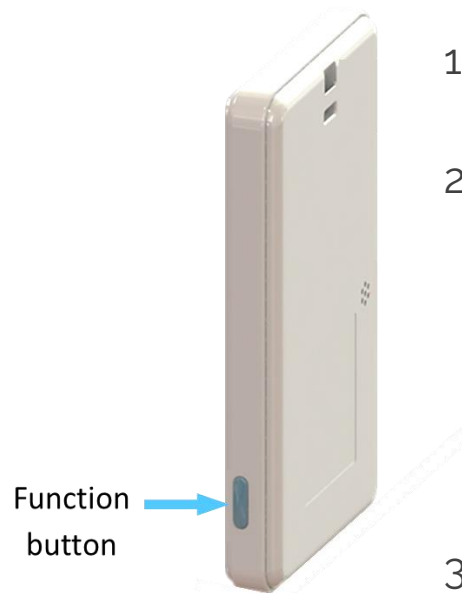GREEN LED will be solid when charging completes, .

USB-C

Notes:
1. During charging, the Red and Green LED's will not blink to indicate messages to and from the network server, these will resume once the charging source is unplugged.
2. Battery cannot be replaced.
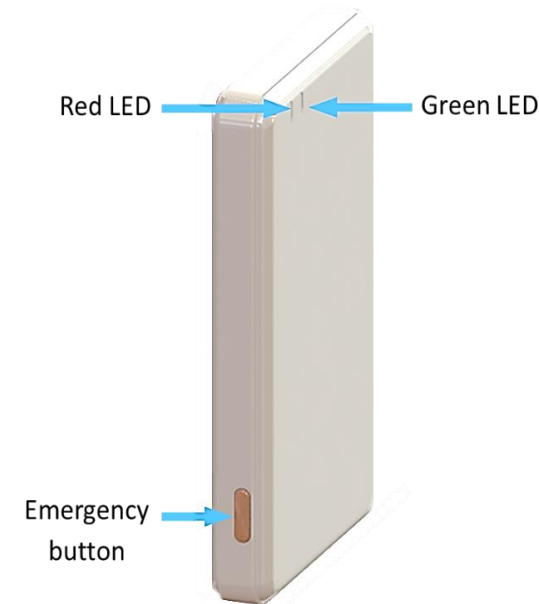
Button Functions

To **activate** CHICKADEE:

1. Press the Function button twice in succession, and on the second press, hold the button until the green LED flashes.

2. Device will activate and try to join the network server.

Once joined, to activate **Emergency State:**

1. Press Emergency button for 2 seconds .

2. Device behavior in Emergency state:
   - Sends location information more frequently (see Note 3).
   - Beeps in a pattern.
   - Flashes the LEDs.

3. You can deactivate Emergency State be pressing the Emergency button for 2 seconds.

Function button

Red LED → ← Green LED

Emergency → button

Notes:
1. Red LED will blink for every message sent to and Green LED will blink every time the message is received from Network Server.
2. By default, CHICKADEE is configured to perform low-power GNSS (LPGNSS), Wi-Fi, and BLE scans, then report this geolocation activity over LoRa. Refer to the TRM for more information.

Activation & Commissioning

Commissioning the Device Using LeapX Application

Install "TEKTELIC LeapX" Application on your Smart Device from the Google Play or Apple App stores. From the app, login to your existing TEKTELIC account or create a new one, then follow the in-app instructions. For more information on getting started with LeapX, visit LeapX Quick Start Guide.

Default Reporting Periods

Report	Report Type	Default Periodicity
Battery data	Periodic	24 hours
	Event-based	When function button is pressed and held for 1 s.
Geolocation Update	Periodic	10 min when in motion (LPGNSS) 1 hour when still (LPGNSS)
Acceleration vector	Periodic	Disabled
Accelerometer motion alarm	Event-based	When motion is detected When sensor becomes still
MCU temperature	Periodic	1 hour
	Threshold-based	Disabled

To make changes to the default data reporting periods, please refer to the TRM on Knowledge Base.

Troubleshooting

If the device remains blinking green for more than two minutes, follow these troubleshooting actions:

- Ensure the device is commissioned on the Network Server.
- Ensure the local LoRa Gateway has also been provisioned on the Network Server.
- Ensure a local LoRa Gateway is online.

Note: The first time a sensor is woken up there may be up to two minutes of additional ramp up time before the sensor joins the network server.

If geolocation data is not received, refer to Appendix 4 of the TRM in the Knowledge Base.

Note: if you have questions about using device, please refer to the TRM document on the [Knowledge Base](.).