

User Guide

Taoglas EDGE™ RTK Starter Kit with High Precision GNSS

Next-generation IoT device and
software platform

Taoglas EDGE™ RTK Starter Kit Set Up instructions

ES10B: Taoglas EDGE™ ES10 - RTK Starter Kit with US LTE

ES10L: Taoglas EDGE™ ES10 - RTK Starter Kit with EMEA LTE



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Next-generation IoT device and software platform

User Guide

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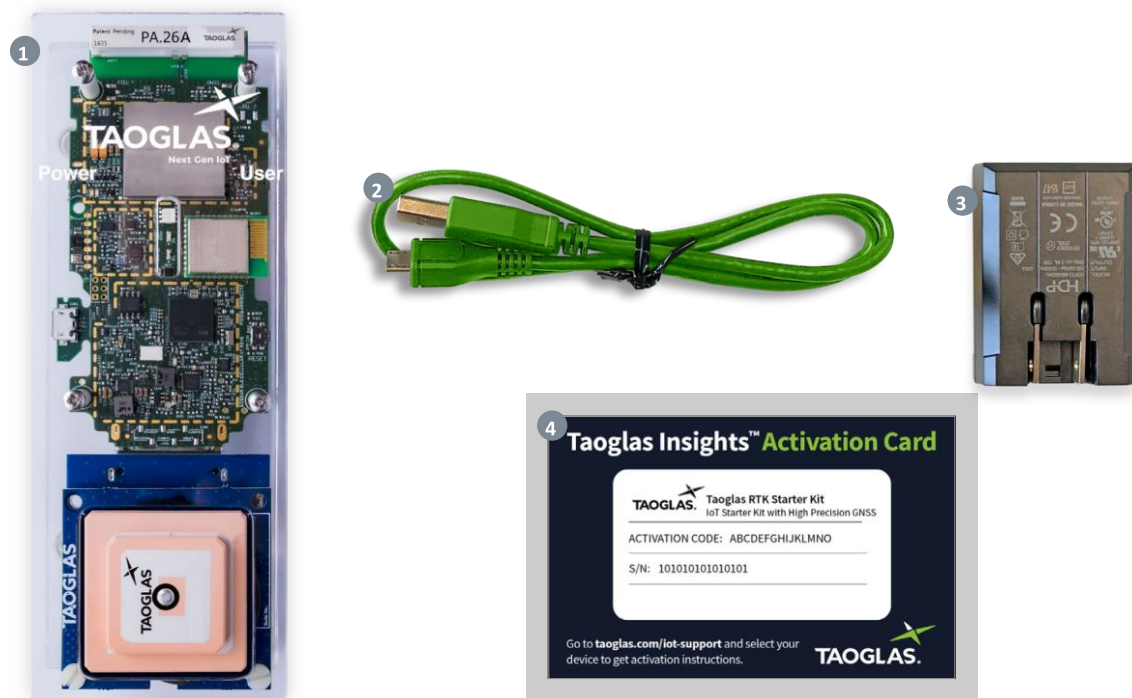
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1. Introduction

The **Taoglas EDGE™ RTK Starter Kit with High Precision GNSS** enables real time insights and intelligence to help your enterprise save costs, increase revenue, and enhance compliance. It is a next-generation IoT device with cellular, Bluetooth, and on-board sensor capabilities with a cloud based connectivity and device management platform.

1.1 What's in the Box?

1. Taoglas EDGE RTK Starter Kit with High Precision GNSS
2. Micro-USB Cable
3. USB Power Supply - US Version (Regional adapters supplied with other SKU's)
4. Taoglas EDGE Insights Activation Card



1.2 Support

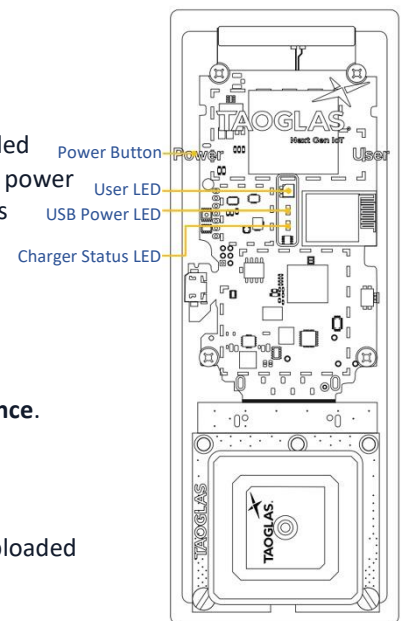
For technical support please contact iotsupport@taoglas.com

1. Go to <https://www.taoglas.com/product/taoglas-edge-rtk-starter-kit> to access
 - a. Datasheet
 - b. User Guides

2. Set Up

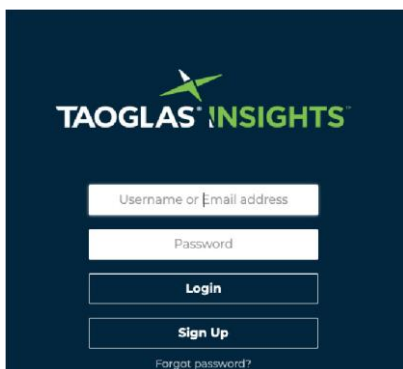
2.1 Device Startup

1. To power on the EDGE RTK Starter Kit press the **Power Button** once.
2. The EDGE RTK Starter Kit should be **fully charged before use**, using the provided power supply. When you plug the EDGE RTK Starter Kit into the provided USB power supply, the **USB Power LED** will illuminate. If the EDGE RTK Starter Kit requires charging, the **Charge Status LED** will illuminate, otherwise the **Charge Status LED** will remain off. The EDGE RTK Starter Kit is not intended to be charged using a computer USB.
3. Once powered on and initialised, the **User LED** will flash white **3 times**.
4. At this stage you can **check the battery level** by pressing the **Power Button once**.
The **User LED** will blink a number of times according to the battery level.
Find more information on this in the **Device Overview** section below.
5. The device will start uploading to EDGE Insights straight away. To view any uploaded samples, you will need to register an account and activate your device on **locate.taoglas.com**.

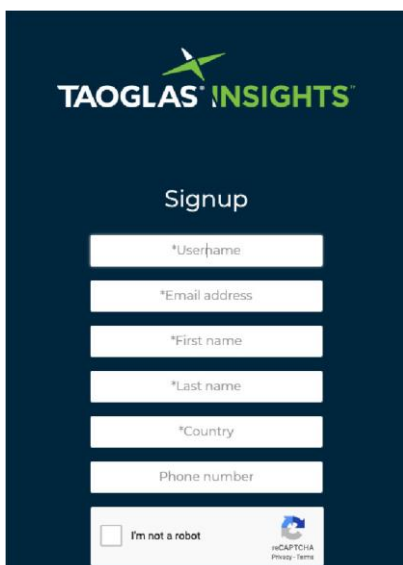


2.2 Account Setup

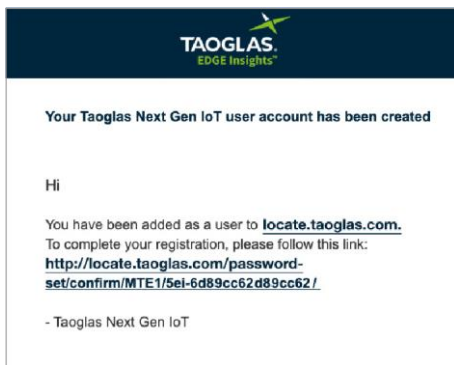
1. To create an EDGE Insights account for your EDGE RTK Starter Kit devices, navigate to **locate.taoglas.com** and click on 'Sign Up'.



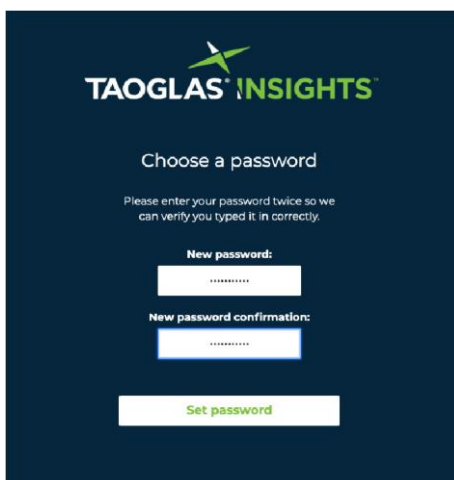
2. Create a **username** and enter your details.



3. Once your information has been submitted, you will need to confirm your registration by clicking the link sent to the email address provided.



4. Upon clicking the link, a browser will open and you will be requested to create a password.



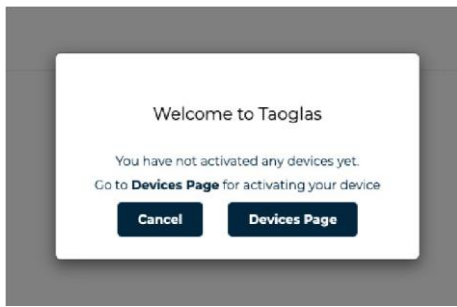
5. After entering and confirming your password, registration is now complete, proceed to device activation.

2.3 Activating your Device

1. Using the details registered in the sign up process, you will be required to login to the EDGE Insights platform in order to register your EDGE RTK Starter Kit.



2. The first time you log in, you will receive a popup message notifying you that you have not activated any devices. Click on the **'Devices Page'** button on the pop up, this will direct you to the device list page.



3. To activate your EDGE RTK Starter Kit, click '**Activate New Device**' at the bottom of the page, a popup window will request your EDGE RTK Starter Kit **S/N** and **Activation Code**. After entering these, click '**Submit**' to finish the activation process. The EDGE RTK Starter Kit **S/N** and **Activation Code** can be found on the card included in the box.

DEVICES

DEVICE ACTIVATION

Enter Device S/N

Enter Activation Code

Cancel **Submit**



4. After entering the EDGE RTK Starter Kit **S/N** and **Activation Code**, click '**Submit**' to activate your EDGE RTK Starter Kit.
5. The EDGE RTK Starter Kit will now be listed on the devices page, see an example of this below.

Devices

Filter by State Device Type

Enter Serial to search

<input type="checkbox"/>	No.	Device	Active	Last Connection	Device Type	Actions	Diagnostics	Subscription Status
<input type="checkbox"/>	1	Edge.locate.34589168 9101112	<div><div></div>No</div>	2020-02-29 04:55:02	Edge IoT Starter Kit Sensors			<div><div></div>29 days left</div>

Activate New Device

6. If device activation fails please contact Taoglas IoT support at iotsupport@taoglas.com

2.4 Activating RTK Correction Service

The screenshot displays the Taoglas Insights web application. The top navigation bar includes 'Dashboard', 'Devices' (highlighted with a green circle), 'Settings', 'Support', and 'User1'. The main content area shows a table of devices with columns for 'No.', 'Device', 'Active', 'Last Connection', 'Device Type', 'Diagnostics', and 'Subscription Status'. Two devices are listed: 'Device 1' and 'Device 2'. 'Device 2' is highlighted in grey, and an 'Edit Device' modal is open over it. The modal contains the following information:

- Battery Life:** 2 Days
- Data Cost:** 2.0MBYTE/Month
- Correction Service:**
 - Mount Point: Imountpoint
 - Port: 80
 - Password: XXXXXXXXXX
 - Username: User1
 - URL: taoglas.com
- Sensors:**
 - Location 00:00:00
 - Temperature 00:01:00
 - Humidity 00:01:00
 - Ambient Light 00:01:00
 - Battery 00:01:00
 - Charging 00:01:00
 - Pressure 00:01:00
 - Shock 00:01:00

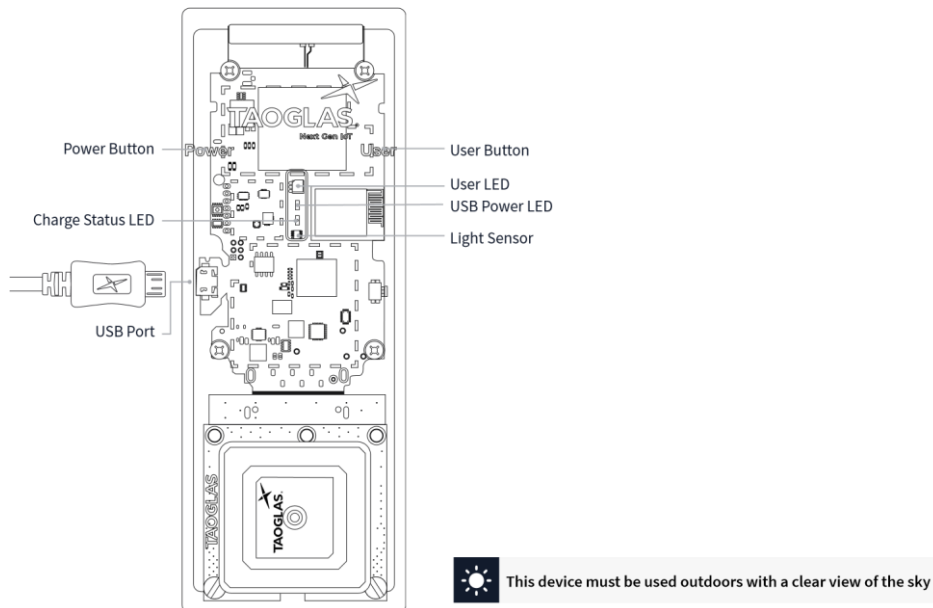
The 'Edit Device' modal is also labeled with a green arrow pointing to the 'Edit Device' icon in the table.

1. Navigate to the **locate.taoglas.com** and log into your account, if you don't have an account already, please see **Section 2.2**.
2. Once logged in, go to the device list page by clicking devices at the top right of the screen.
3. On the device list page click on the edit icon (✎) on the device you want to enable with RTK, this will load the device edit page.
4. On the device edit page you will be able to input the correction service details under the device parameters section.

3. Using the EDGE RTK Starter Kit

3.1 Device Overview

The EDGE RTK Starter Kit has 2 buttons and 3 LED's. See the diagram below for an overview of the LED's and buttons.



- To power on the EDGE RTK Starter Kit, push the **Power Button** once. When the EDGE RTK Starter Kit is powered on and has successfully initialised, the **User LED** will flash white **3 times** in quick succession.
- To power off the EDGE RTK Starter Kit, hold the **Power Button**, while the EDGE RTK Starter Kit is powering down the User LED will blink red continuously. The **User LED** will stop blinking when the EDGE RTK Starter Kit has completely powered off.
- When you plug the EDGE RTK Starter Kit into the provided USB Power supply, the **USB Power LED** will illuminate. If the EDGE RTK Starter Kit requires charging, the **Charge Status LED** will illuminate, otherwise the **Charge Status LED** will remain off.
- Once powered, the EDGE RTK Starter Kit will automatically connect to EDGE insights to gather configuration information. The EDGE RTK Starter Kit will continue to operate at the sampling and upload intervals set on EDGE Insights, for more information on these intervals see **Device Management Section**.
- The EDGE RTK Starter Kit can be forced into making a connection with EDGE Insights outside of the upload interval using either of the following methods:
 - A single press of the **Power Button**, followed by a single press of the **User Button** will trigger the EDGE RTK Starter Kit to connect to EDGE Insights and gather new configuration information.
 - A single press of the **Power Button**, followed by a longer push of the **User Button** (more than 4 seconds) will trigger the EDGE RTK Starter Kit to sample all configured sensors and upload them to EDGE Insights.
- The EDGE RTK Starter Kit uploads its battery level to EDGE Insights, however, the battery status can also be checked by pushing the **Power Button** once. This will cause the **User LED** to flash red a number of times according to the battery level, as per the table below:

20%	1 Flash
40%	2 Flashes
60%	3 Flashes
80%	4 Flashes
100%	5 Flashes

4. Using EDGE Insights

4.1 Insights Navigation

1. When you login to your account, you will land on the **Dashboard** page. For instructions on activating an EDGE RTK Starter Kit on your account, please refer to the **Activating your Device** section.
2. You can use the links on the top of EDGE Insights interface to navigate between your dashboard, device list page and account management pages.
 - a. **Dashboard** will bring you to your dashboard where you can see all the sensor data uploaded by your EDGE RTK Starter Kit.
 - b. **Devices** will bring you to your device list page, from here you can manage each of the devices you have activated on your account.
 - c. Clicking on **'Settings'** will display a dropdown with various account management options, including:
 - i. Add/edit Users
 - ii. Edit Device Notification Rules
 - iii. Edit Device Notification Groups
 - iv. Edit Device Notification Contacts



- d. Clicking on **'Support'** will display a dropdown with support links.

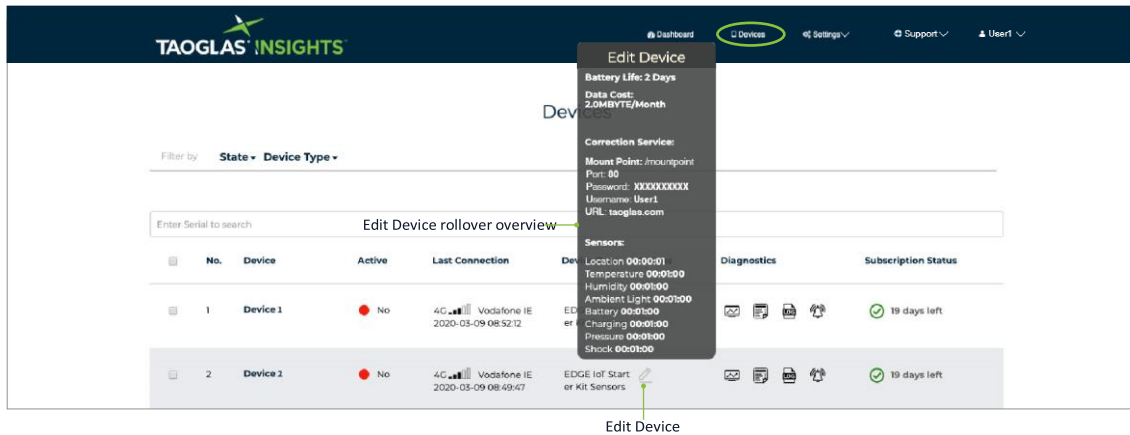


- e. Clicking on **'Username'** will display a dropdown with various account management options, including:
 - i. Changing your password
 - ii. Editing your account details
 - iii. Deleting your account
 - iv. Logging out of your account



4.2 Device Management

1. You can edit the details for an individual device by clicking the edit icon(✎) on the **devices** page.
2. This will direct you to the **Edit Device** page, from here you can amend the following:
 - a. **Device Name**, here you can enter a customized name for your EDGE RTK Starter Kit.
 - b. **Address**, here you can enter your address.
 - c. **Upload Interval**, this is the rate at which the EDGE RTK Starter Kit will upload recorded sensor samples to EDGE Insights.
 - d. **Upload Retries**, in the event where the EDGE RTK Starter Kit fails to upload samples, this is the number of times it will attempt to upload before backing off.



Edit Device

Device Name	Device 1	Device Serial	96785507867807
Address	Dublin, Ireland		

Upload Interval	00:02:00	Upload Retries	3
-----------------	----------	----------------	---

Device ID	96785507867807	Device Key	6NC2Gt4Z2B2Fq6NGuq
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Device Parameters

Correction Service

Correction Service configuration

Mount Point

Mount Point Details

Mountpoint

Port

Port

80

Password

Password

Password1

Username

Username

User1

URL

URL

taoglas.com

Sensors

Location

Location Sense Interval

00:00:01

Temperature

Temperature Sense Interval

00:01:00

Humidity

Humidity Sense Interval

00:01:00

Ambient Light

Ambient Light Sense Interval

00:01:00

Battery

Battery Sense Interval

00:01:00

Charging

Charging Sense Interval

00:01:00

Pressure

Pressure Sense Interval

00:01:00

Shock

Shock Sense Interval

00:01:00

BLE Functionality

ON

Notification Rules

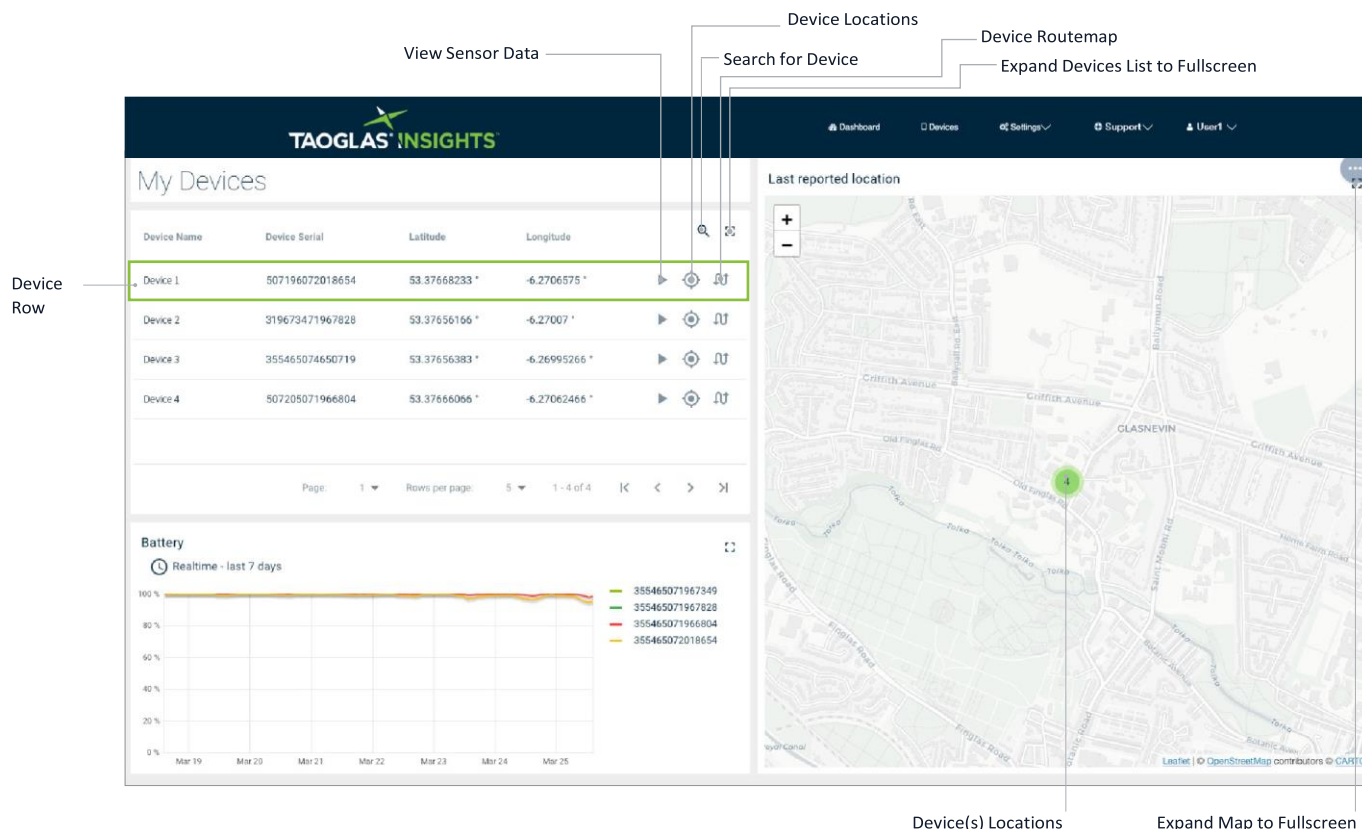
Select Rules

3. Depending on your device type and the sensors associated with it you will be able to set the individual sensor sampling intervals in the Device Parameters section.
 - a. Simply enter the sampling interval in the format **HH:MM:SS** into the text box next to the sensor name.
 - b. For an example, see Humidity Sensor which has a sampling interval of 15 minutes (00:15:00)

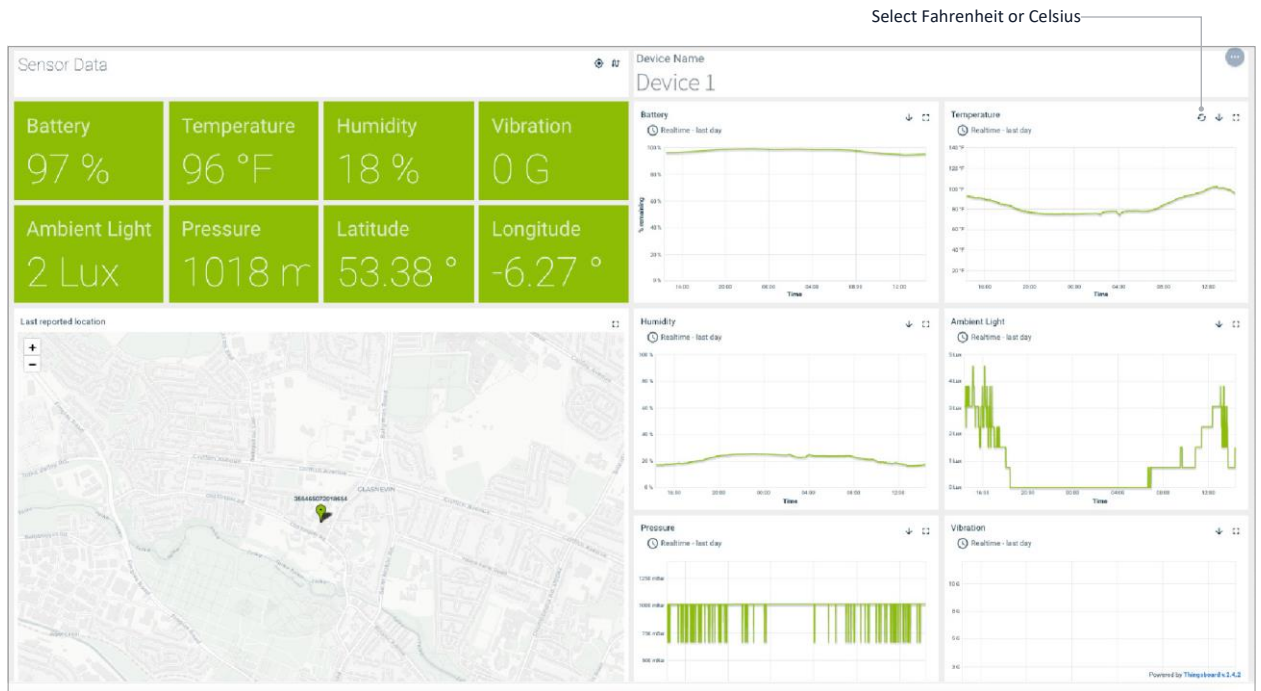


4.3 Dashboard

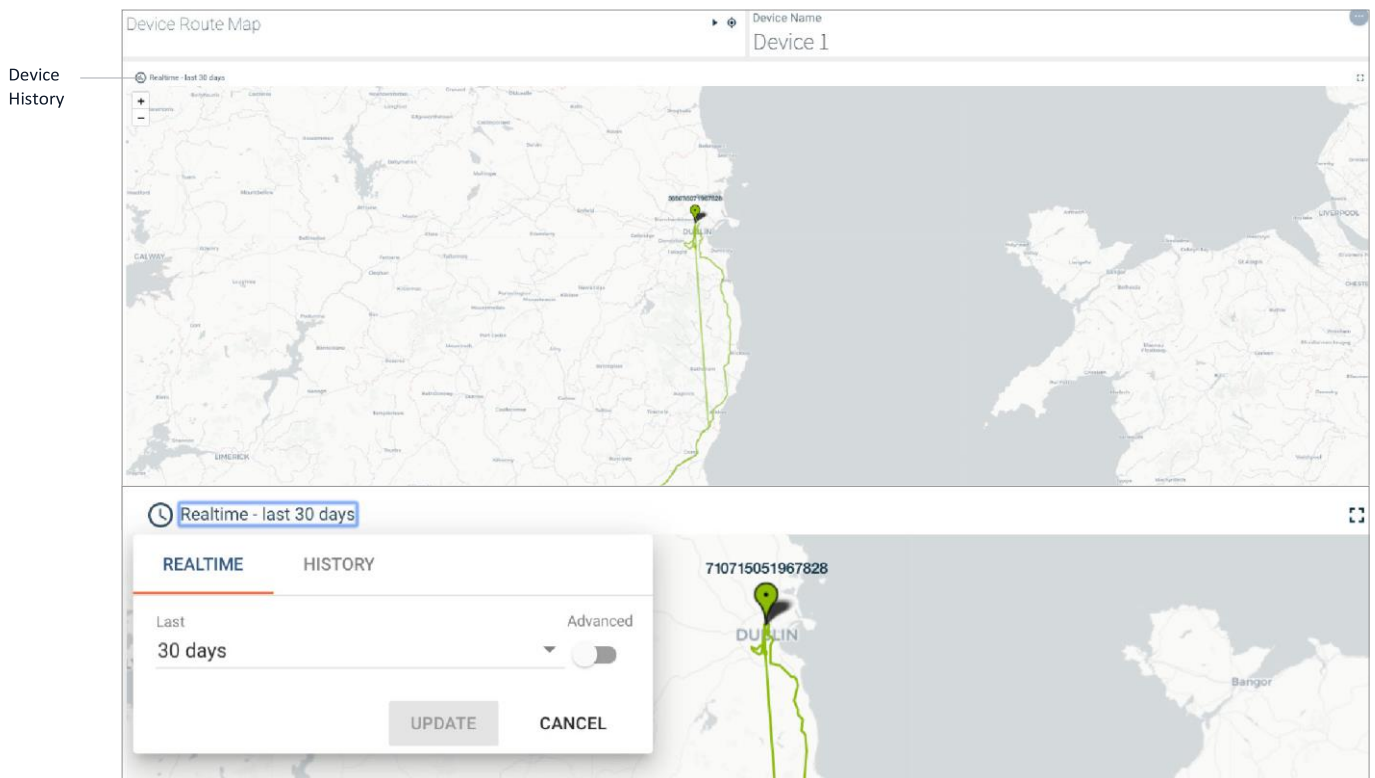
1. On loading the dashboard view on locate.taoglas.com, you will be presented with an overview of all the devices activated on your account. This overview includes:
 - a. A table, showing the last reported latitude and longitude for all your devices. The three icons displayed on each row allow you to navigate between different dashboard views.
 - i. (▶) - Sensor Data View
 - ii. (📍) - Device Locations Table
 - iii. (📍↻) - Device Route Map
 - b. A map showing the last reported location of each device.
 - c. A graph showing the battery level reported by the device over the last 7 days.



2. To view the sensor samples uploaded by an individual device, select and click on the device row or use the ▶ icon for that device. This will bring you to the Sensor Data view of the dashboard.
3. Realtime and historic sensor data for each of your devices can be viewed on the dashboard tab of EDGE Insights.





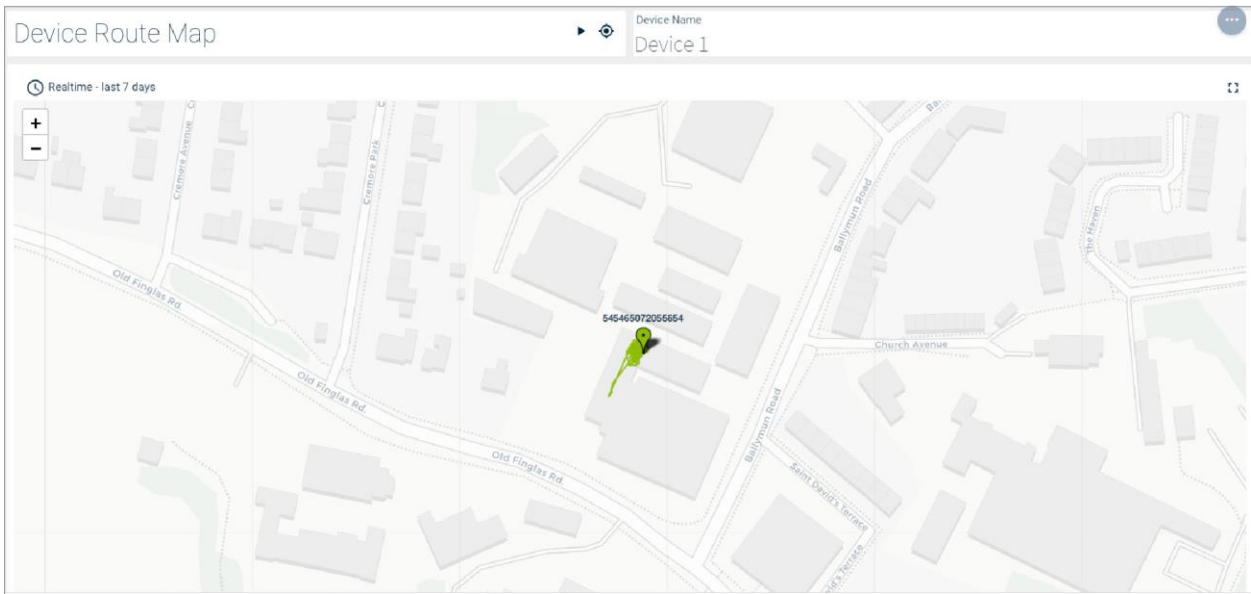
4. The sensor data view of the dashboard allows you to:
 - a. View the latest sensor samples uploaded from your EDGE RTK Starter Kit (Green panels at the top).
 - b. View plots of sensor data over a period of time.
 - c. Download historical sensor data by clicking the download icon (↓) at the top right of each plot, this will download the data as comma-separated values.
 - d. By clicking on the (↺) icon on the Temperature data chart you can alternate between Fahrenheit and Celsius.
 - e. View the device's last reported location.
 - f. Navigate to the other dashboard views using the (Device Locations) (📍) and (Route Map) (📍📍) icons.



5. Realtime and historic location data for each of your devices can be viewed on the dashboard tab of EDGE Insights.

Device Locations							
Realtime - last 7 days				Device Name Device 1			
Timestamp	Latitude (°)	Longitude (°)	Elevation (metres)	Fix Quality	Error Radius	HDOP	Satellites Tracked
2020-03-25 14:21:02	53.37668666	-6.27065116	52.90000152	1	1.41	0.49	12
2020-03-25 14:20:58	53.37668716	-6.2706525	52.90000152	1	1.41	0.49	12
2020-03-25 14:20:50	53.37668783	-6.27065466	52.90000152	1	1.41	0.49	12
2020-03-25 14:20:46	53.37668816	-6.27065516	52.90000152	1	1.4	0.49	12
2020-03-25 14:20:42	53.3766885	-6.27065616	52.90000152	1	1.4	0.49	12
2020-03-25 14:20:38	53.37668883	-6.2706565	52.90000152	1	1.4	0.49	12
2020-03-25 14:20:34	53.37668883	-6.27065633	52.90000152	1	1.31	0.49	12
2020-03-25 14:20:30	53.37668866	-6.27065666	52.90000152	1	1.31	0.49	12
2020-03-25 14:20:26	53.3766885	-6.270657	52.90000152	1	1.31	0.49	12
2020-03-25 14:20:22	53.37668783	-6.27065733	52.90000152	1	1.3	0.49	12
2020-03-25 14:20:18	53.37668733	-6.27065766	52.90000152	1	1.3	0.49	12
2020-03-25 14:20:14	53.37668633	-6.270657	52.90000152	1	1.29	0.49	12
2020-03-25 14:20:10	53.3766855	-6.27065633	52.90000152	1	1.29	0.49	12
2020-03-25 14:20:06	53.37668483	-6.27065616	52.90000152	1	1.28	0.49	12

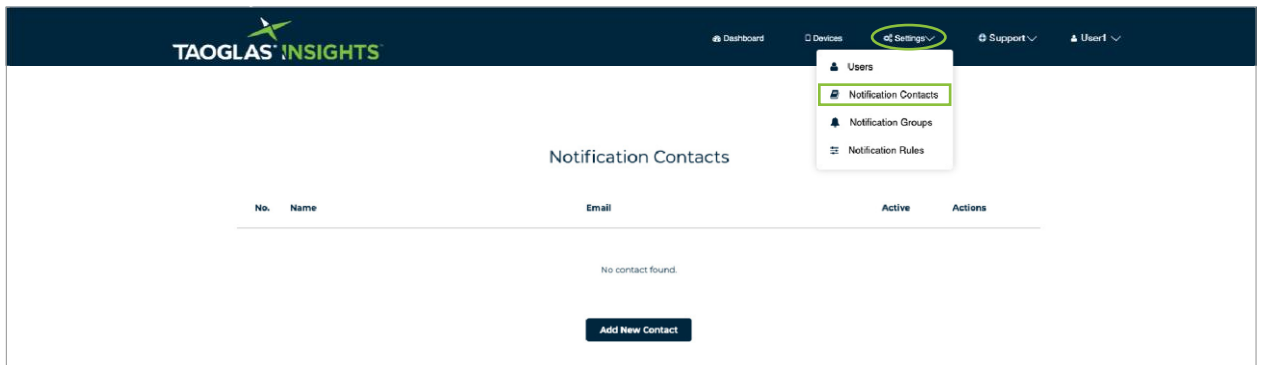
6. The Device Locations view displays a table of location samples uploaded by your EDGE RTK Starter Kit over the period of time selected at the top left of the table.
- a. The above samples can also be downloaded by clicking:
 - i  - Downloads the table data as comma-separated values
 - ii  - Download the table data in a JavaScript Object Notation format



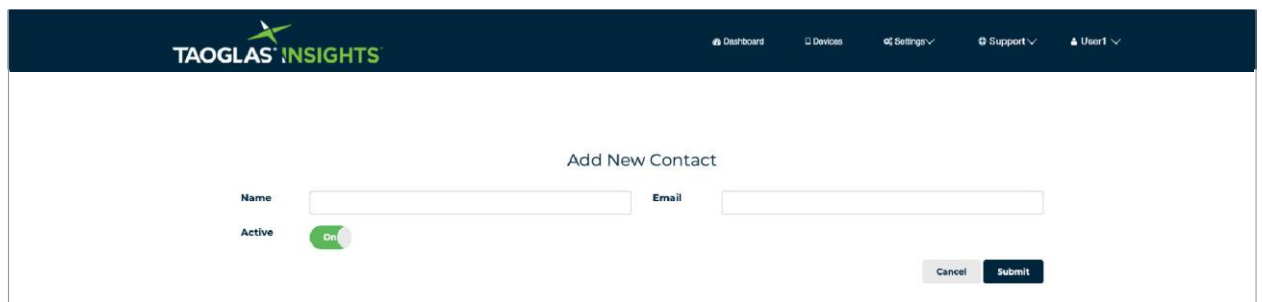
7. The Device Route Map view shows the historical location samples as well as the current location reported by your EDGE RTK Starter Kit.

4.4 Sensor Notification Rules

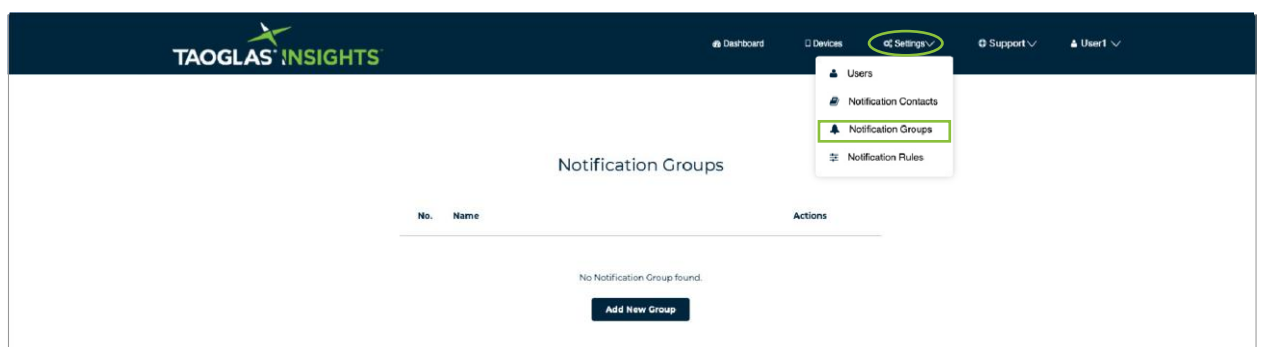
1. EDGE Insights allows you to notify a group of contacts based on an uploaded sensor value.
2. To do this you will first have to add a contact to EDGE Insights, click **'Settings'** followed by **'Notification Contacts'** at the top of the screen.
3. A page listing all the contacts associated with your account will appear, this will be empty if no contacts have been added. Click the **'Add New Contact'** button.



4. On the next screen, enter the name and email address of the contact you want to notify, then click **'Submit'**.



5. Repeat steps 3 and 4 multiple times to add multiple contacts, regardless of whether they are EDGE Insights users.
6. After adding all the contacts you wish to notify, click **'Settings'** followed by **'Notification Groups'**. This will display a list of your notification groups, which will be empty initially.



7. Click, **'Add New Group'**, on the screen that follows, please:
 - a. Enter the name you wish to give the notification group.
 - b. Select the contacts you wish to add to the group.
 - c. Select the max frequency you wish to notify the group, for example selecting **'Once a day'**, will only notify the group once in a 24-hour period, regardless of the number of times the rule associated with the notification is triggered.
8. Once you have entered the above information, click **'Submit'** to create the group.

The screenshot shows the 'Add New Notification Group' form. The 'Name' field is empty. The 'Contacts' dropdown is set to 'Select Contact'. The 'Remind me' dropdown is set to 'Once a day', which is highlighted with a green circle. The 'Submit' button is visible at the bottom right.

9. Now that the group has been created, there is a requirement to add a rule which will trigger the notification. Click, **'Settings'** followed by **'Notification Rules'**. This will bring you to your list of rules. To add a new rule, click **'Add new Notification Rules'**.


The screenshot shows the 'Notification Rules' page. The 'Settings' menu is open, and 'Notification Rules' is selected. The main area shows a table with columns: No., Name, Sensor, Operator, Threshold Level, and Actions. Below the table, it says 'No Notification Rules Found.' and there is an 'Add New Notification Rules' button.

10. On the window that appears:
 - a. Give the rule a name.
 - b. Select the sensor you wish to base the rule on.
 - c. Select the operator.
 - d. Enter a threshold.
 - e. Select the notification group.

Add Notification Rule

Name	<input type="text" value="Sensor Temperature"/>	Sensor	<input type="text" value="Temperature"/>
Operator	<input type="text" value="Less-than (<)"/>	Threshold Level	<input type="text" value="10"/>
Notification Group	<input type="text" value="temperature_group"/>		

The above screenshot will trigger the notification if a temperature sample with a value less than 10°C is uploaded to EDGE Insights.

11. Once all the information has been completed, click **'Submit'**.
12. The rule is now available to apply to the devices associated with your account.
13. To do this, navigate to the devices list page by clicking **'Devices'**.
14. Click the edit icon() on the device you want to add the rule to, this will bring up the device edit page.
15. Select the rule from the **'Notification Rules'** dropdown as in the screenshot below and click **'Submit'**.

Edit Device

Device Name	<input type="text" value="Device 1"/>	Device Serial	<input type="text" value="967865071967827"/>
Address	<input type="text" value="Dublin, Ireland"/>		

Upload Interval	<input type="text" value="00:02:00"/>	Upload Retries	<input type="text" value="3"/>
------------------------	---------------------------------------	-----------------------	--------------------------------

Device Id	<input type="text" value="967865071967827"/>	Device Key	<input type="text" value="6ND2of4Z2B2EPKq6NQuq"/>
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Device Parameters

• **Correction Service** - Correction Service configuration

Mount Point - Mount Point Details

Port - Port

Password - Password

Username - Username

URL - URL

• **Sensors**

Location - Location Sense Interval

Temperature - Temperature Sense Interval

Humidity - Humidity Sense Interval

Ambient Light - Ambient Light Sense Interval

Battery - Battery Sense Interval

Charging - Charging Sense Interval

Pressure - Pressure Sense Interval

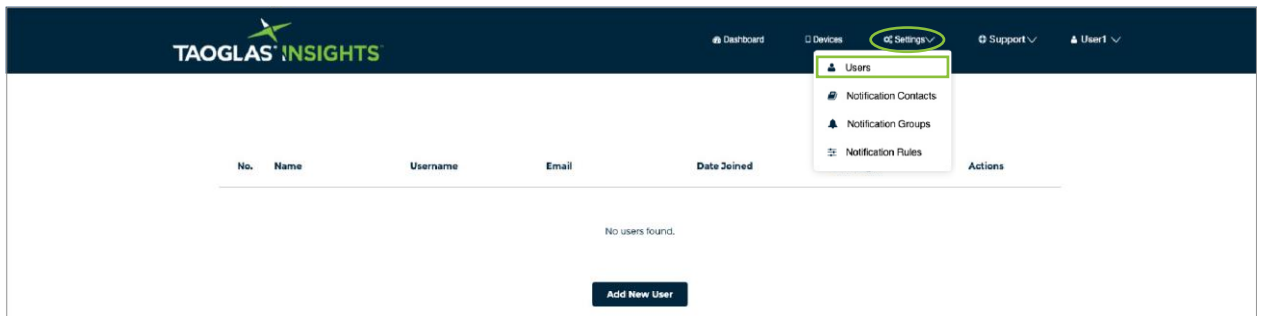
Shock - Shock Sense Interval

BLE Functionality

Notification Rules

4.5 Add New Users

1. To add a new user so that they can view the devices you have activated on your account, click **'Settings'** followed by **'Users'**.



2. The users list page will appear, click **'Add New User'**, which will bring you to a page which allows you to add a new user.

The screenshot shows the 'Add New User' form. The top navigation bar is dark blue with the logo on the left and links for Dashboard, Devices, Settings, and User1 on the right. The main content area has the title 'Add New User' and a form with the following fields: Email address, Username, First name, Last name, and Address (with a placeholder 'Enter a location'). A 'Submit' button is located at the bottom right of the form.

3. On this page enter the users
 - a. Email address
 - b. Username
 - c. First name
 - d. Last name
 - e. Address
4. Click **'Submit'** to add the user.
5. A new user will be emailed informing them of their new account.

4.6 Support

1. To access Product Support, click **'Support'** followed by **'Product Support'** which will bring you to an online Product support page.



2. To access the User Guide click **'User Guide'**, which will bring you to an online user guide.



5. Appendix

5.1 FAQ

For FAQ's about the EDGE RTK Starter Kit Set Up please visit taoglas.com/iot-support
For technical support please contact iotsupport@taoglas.com

5.2 Security

The EDGE RTK Starter Kit device security is provided by four mechanisms:

1. Connection to the Cloud-based components via HTTPS, with the servers public certificates held on the EDGE RTK Starter Kit device.
2. Authentication of the device by the EDGE Insights Platform, with the unique and individual private key held securely in a cryptographic coprocessor.
3. Whitelisting of the domains to which the EDGE RTK Starter Kit APN can connect – EDGE Insights and EDGE Insights Platform and NTP servers only.
4. The device periodically reports its configuration hash (security), firmware versions, and certificate bundle version to the EDGE Insights Platform. A report is sent each time a device is powered up, or when the configuration, certificate, or firmware has changed.

5.3 Safety and Regulatory Requirements

Warning: Failure to follow instructions could increase risk to safety and noncompliance with regional laws and regulations.

Warning: DO NOT SHORT CIRCUIT, DISASSEMBLE, CRUSH, PENETRATE OR INCINERATE.

BATTERY MAY LEAK OR EXPLODE IF HEATED ABOVE 100 °C (212 °F).

Warning: HAZARDOUS AREA WARNING: This instrument has not been designed to be intrinsically safe for use in areas classified as hazardous locations. For your safety, DO NOT use it in hazardous (classified) locations.

Caution: In the case of an emergency, degraded performance will occur if wireless reception is inhibited.

Note: The device has an operating range between -20 and +60 degrees Celsius (-4 to 140 Fahrenheit).

The device can be safely charged in an ambient temperature range of between 0 – 40 degrees Celsius (32-104 degrees Fahrenheit).

The device can be charged with a 5 V/0.5 A power supply and Micro USB Cable.

Note:

- a) Do not disassemble or open crush, bend or deform, puncture or shred
- b) Do not modify or remanufacture, attempt to insert foreign objects into the battery, immerse or expose to water or other liquids, expose to fire, explosives, or other hazards.
- c) Only use the battery for the system for which it is specified.
- d) Only use the battery with a charging system that has been qualified with the system per CTIA Certification Requirements for Battery System Compliance to IEEE 1725. Use of an unqualified battery or charger may present a risk of fire, explosion, leakage, or other hazard.
- e) Do not short circuit a battery or allow metallic conductive objects to contact battery terminals.
- f) Replace the battery only with another battery that has been qualified with the system per this standard, IEEE-Std-1725. Use of an unqualified battery may present a risk of fire, explosion, leakage or other hazards. Only authorized service providers shall replace battery. (If the battery is non-user replaceable).
- g) Promptly dispose of used batteries in accordance with local regulations
- h) Battery usage by children should be supervised.
- i) Avoid dropping the phone or battery. If the phone or battery is dropped, especially on a hard surface, and the user suspects damage, take it to a service centre for inspection.
- j) Improper battery use may result in a fire, explosion, or other hazards.

Caution: Risk of explosion if battery is replaced by an incorrect type. Dispose of used batteries according to the instructions.

Federal Communication Commission Interference 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.

This device 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 Caution:

- Any changes or modifications not expressly approved by the party responsible for compliance could void the user's authority to operate the equipment.
- The antenna(s) used for this transmitter must not be co-located or operating in conjunction with any other antenna or transmitter.

RF Exposure Information (SAR)

This device meets the government's requirements for exposure to radio waves. This device is designed and manufactured not to exceed the emission limits for exposure to radio frequency (RF) energy set by the Federal Communications Commission of the U.S. Government.

The exposure standard for wireless device employs a unit of measurement known as the Specific Absorption Rate, or SAR. The SAR limit set by the FCC is 1.6W/kg. *Tests for SAR are conducted using standard operating positions accepted by the FCC with the device transmitting at its highest certified power level in all tested frequency bands. Although the SAR is determined at the highest certified power level, the actual SAR level of the device while operating can be well below the maximum value. This is because the device is designed to operate at multiple power levels so as to use only the power required to reach the network. In general, the closer you are to a wireless base station antenna, the lower the power output.

The highest SAR value for the model device as reported to the FCC when worn on the body, as described in this user guide, is 1.1 W/Kg (Bodyworn measurements differ among device models, depending upon available accessories and FCC requirements.)

While there may be differences between the SAR levels of various devices and at various positions, they all meet the government requirement.

The FCC has granted an Equipment Authorization for this model device with all reported SAR levels evaluated as in compliance with the FCC RF exposure guidelines. SAR information on this model device is on file with the FCC and can be found under the Display Grant section of <http://www.fcc.gov/oet/ea/fccid> after searching on FCC ID: WYPEU0312.

For body worn operation, this device has been tested and meets the FCC RF exposure guidelines for use with an accessory that contains no metal and be positioned a minimum of 1 cm from the body. Use of other accessories may not ensure compliance with FCC RF exposure guidelines.

