# inseego

# Inseego Connect

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# 1

# Introduction

Overview

**Getting Support** 

# Overview

Inseego Connect™ is a device management platform that helps you harness the power and performance of your networked devices. With Inseego Connect, you can easily monitor device availability, location, and usage—and configure devices remotely, helping you scale your deployment reliably, securely, and quickly.

# **Key Features**

Inseego Connect allows you to:

- Monitor an entire deployment of devices in mobile or remote environments to gain real-time visibility on the status of your assets and recognize trends in device data.
- Configure and troubleshoot devices from one user-friendly platform.
- Group devices together to push widespread configurations.
- Set alarm rules, associate rules to devices or device groups, and determine which users receive alerts when alarms are triggered.
- Schedule and run reports for data usage, signal quality, alarm history, and inventory.

# **Getting Support**

Documentation for your Inseego Connect is available online. Go to <u>www.inseego.com/support-documentation</u>.

For additional information and technical support, email Technical Support at <u>technicalsupportus@inseego.com</u> or call Customer Support (Toll Free) at **1-877-698-6481**.

# 2

# **Using Inseego Connect**

Overview

Dashboard

**Devices** 

Groups

**Alarms** 

**Reports** 

Users

Settings

**Security** 

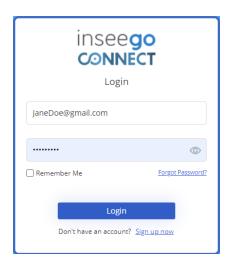
# Overview

You will receive an email with access information when your Inseego Connect account is created. If you have not received this email, be sure to check your spam folder or company filters.

#### Logging In

To login to Inseego Connect, follow the instructions in the email sent to you. The initial login process includes setting a password and agreeing to the T&C and Privacy Policy.

The interface login screen appears:



Enter your email address and the password you set.

If you check **Remember Me**, you will not be prompted to log in for the next 24 hours. After 24 hours, you will need to re-enter your credentials on the login screen.

Click **Login**. Read and accept the Services Agreement. **NOTE:** You can review or opt out of the Services Agreement at any time by clicking **Terms and Conditions** in lower right corner of a page.

Once you accept the Service Agreement, the Dashboard Home page displays.

# Navigating the Interface

Use the side menu on the left of the page to access each page in the Inseego Connect interface. You can use this menu to jump to other pages. The current page is indicated by a white highlight.



**NOTE:** Feature availability varies according to the product you purchased.

The alarm icon in the upper right of any screen displays the number of active alarms on which you are included in the notify list. You can click on the icon to view alarms and dismiss them. When you click on an alarm name, a popup with details for that alarm appears. When you click **Close**, the popup closes and the alarm remains listed. When you click **Dismiss**, the alarm is removed from all alarm lists.

Click on the person icon in the upper right of any screen to change the tenant (if you belong to multiple tenants) or log out of Inseego Connect.

### **Getting Started**

To add devices to Inseego Connect, navigate to **Devices > Register** (see Register on page 27).

# Dashboard

Dashboard allows you to view and filter current data for your Inseego devices and track their locations.

Dashboard includes two pages:

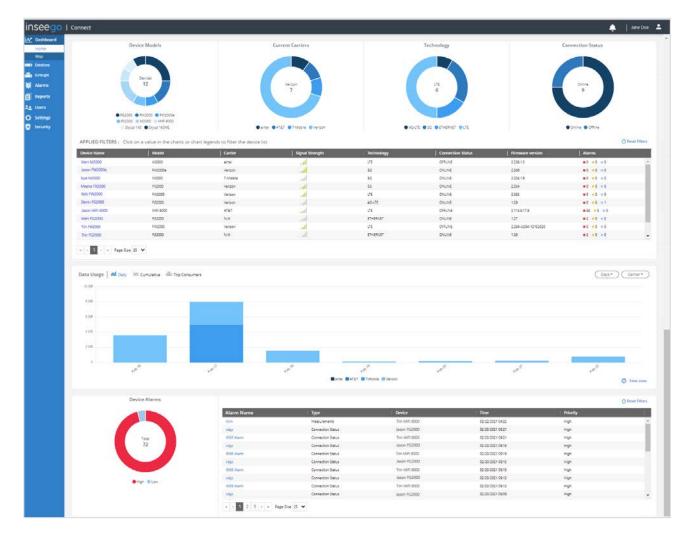
- Home
- Map

#### Home

The Dashboard Home page displays charts for device models, current carriers, technology, and communication status. It also provides details on devices, a data usage graph, and alarm information.

This page appears upon login. You can navigate to it from other pages by selecting **Dashboard** from the side menu.

**NOTE:** You can click on a device name to access a device-specific dashboard that only displays information for that particular device (see Device View on page 16 for more information).



#### Charts

The charts at the top of the page provide visual displays of information about devices registered with Inseego Connect.

#### **TIPS**

- Hover over a color in a graph for details.
- Click on a color to filter the Device table below for that element. If you click on additional colors in any graph, filtering includes those elements as well. Select **Clear all filters** to clear your selections and view data on all devices.

#### **Device Models**

Displays the count of each device model that is currently connected to Inseego Connect.

#### **Current Carriers**

Displays the count of devices that are connected to Inseego Connect through a specific carrier.

#### Technology

Displays the count of devices that are connected to Inseego Connect by technology (for example: Ethernet, LTE, or 5G).

#### **Connection Status**

Displays the count of devices that are online (currently connecting with Inseego Connect) and offline (not currently connecting with Inseego Connect).

#### **Devices**

This table provides information on all devices registered with Inseego Connect:

**Device Name:** The name or IMEI of the connected device. **NOTE:** When you click on a device name, a dashboard with details for that device appears (see Device View on page 16).

**Model:** The model of the device, for example, MiFi M2000.

**Carrier:** The vendor that provides wireless access for the device.

**Signal Strength:** Displays network signal strength. More bars indicate more signal strength.

**Technology:** Indicates the current data connection, for example, LTE or 5G.

**Connection Status:** Whether the device is currently online or offline.

**Firmware version:** The version of firmware on the device.

**Alarms:** The number and type of alarms currently unresolved for the device.

To filter the information in this table, click on colors in the graphs above. For example, to see a list of MiFi M2000 devices on 5G, select the color for MiFi M2000 in the **Device Models** graph and the color for 5G in the **Technology** graph. Select **Clear all filters** to clear filters and show all devices.

#### **Data Usage**

The Data Usage graph provides data usage (In MB or GB) for all connected devices. You can select from the following display options on the upper left:

**Daily** — Displays data usage for all connected devices per day. Use the drop-downs in the upper right to change the number of days displayed or to filter on a particular carrier.

**Cumulative** — Displays 30 days of cumulative and projected data usage for all connected devices. The projected data usage is forecast based on usage patterns from the last 30 days. Use the drop-downs in the upper right to select a billing start date to store for each carrier and to filter on a particular carrier.

**Top Consumers** — Displays data usage for the ten devices using the most data. When the **Show average** checkbox in the upper-right is checked, a dotted yellow line shows the average usage for this account. Use the **Days** drop-down to display usage for 7 or 30 days.

#### **TIPS**

- Hover over a color in a graph for details.
- Hover over **Time Zone** in the bottom right to see the time zone for which daily data usage values are calculated. You can change the time zone on the Settings page.

#### **Alarms**

The Alarms section contains a chart and a list providing alarm information.

#### **Device Alarms**

Displays alarms in low, medium and high priorities.

#### **TIPS**

- Hover over a color in a graph for details.
- Click on a color to filter the Alarms table for that priority. If you click on additional color, filtering also includes that priority. Select **Reset Filters** to clear your selections and show all alarms.

#### **Alarms List**

The list provides details for all currently unresolved alarms on all registered devices:

Alarm Name: The name of the alarm.

NOTE: When you click on an alarm name, a popup with details for that alarm appears.

When you click **Close**, the popup closes and the alarm remains listed in the list.

Click **Dismiss** to dismiss the alarm. You should dismiss an alarm once the triggering event is understood and any necessary actions have been taken. Dismissing an alarm removes it from all alarms lists so users can focus on unresolved alarms.

**Type:** The type of alarm (Connection Status, Device Data Usage, or Measurements).

**Device:** The name of the device with the alarm.

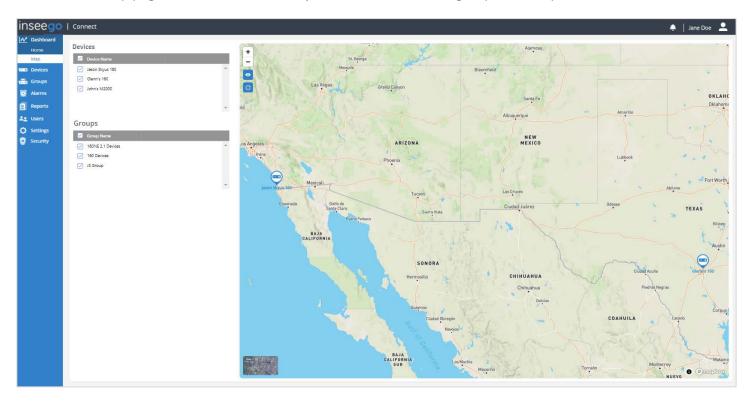
**Time:** The date and time of the alarm.

**Priority:** The priority of the alarm.

Click on priority colors on the graph to filter information by priority for this table. Use the **Reset Filters** button to clear filters and show all alarms.

# Мар

Use the Map page to view the location of your devices and device groups on a map.



#### **Devices**

Lists all the devices currently registered with your Inseego Connect that have reported a GPS location. The last reported GPS location is shown in the map.

### **Groups**

Lists all the groups currently defined for your Inseego Connect.

#### **TIPS**

- Use the filter icon in Devices or Groups to search the list. Enter a portion of the name(s) you want to find and click **Apply**. The list displays only devices with names that include the text you entered. Click **Reset** to clear the filter.
- Use the checkboxes next to devices or groups to view only selected devices or device groups on the map. Use the checkbox at the top to select or deselect all devices.

#### Map



Click on a ping icon to view details for that device.



#### **TIPS**



- Use the plus and minus icons in the upper left of the map to zoom in and out. You can also zoom in and out using the mouse wheel. You can navigate the map by clicking with the left mouse button and dragging the map.
- Use the eye icon to reset zoom. The zoom will adjust to fit all the devices in your account on the map.
- Click the refresh icon to update the map with the latest information sent by devices.
- The numbered circles represent clusters of devices in a specific location, with the number of devices in the location displayed on the circle. Click on a cluster to view details for those devices.
- Click the image in the bottom left to toggle between satellite and street view.

# Devices

Use Devices to view device details and to configure devices, create templates, manage and monitor operations, and register devices with Inseego Connect.

Devices includes four pages:

- Device List
- Templates
- Operations
- Register

#### **Device List**

Use the Device List page to view details and configure settings on all the devices registered with Inseego Connect.

**NOTE:** You can click on a device name to access a device-specific dashboard that only displays information for that particular device (see Device View on page 16 for more information).



The list provides details on all devices registered to your Inseego Connect:

**Device Name:** The name of the device. **NOTE:** When you click on a device name, a dashboard with details for that device appears.

**IMEI:** The International Mobile Equipment Identity (IMEI) for the device. This is a 15 digit code used to uniquely identify an individual mobile station on a mobile network.

**Model:** The model of the device, for example, Skyus 160NE.

**Firmware:** The version of firmware on the device.

**Connection Status:** The connection status of the device: Online or Offline.

**Alarms:** The number and priority of alarms currently unresolved for the device.

**Carrier:** The vendor that provides wireless access for the device.

Signal Strength: Displays network signal strength. More bars indicate more signal strength.

**Technology:** The technology associated with the device, for example, LTE or 5G.

**Hierarchy node:** The hierarchy node designated for the device (for future use).

MAC: The MAC Address (unique network identifier) for the device.

**IPv4:** The Internet IP address assigned to the device.

IPv6: The Link-Local IPv6 address of the device.

**2.4G SSID:** The name (SSID) of the 2.4G network.

**5G SSID:** The name (SSID) of the 5G network.

**RSSI:** Received Signal Strength Indicator. An estimated measure of how well a device can hear a signal from a radio transmitter.

**RSRP:** Reference Signal Receive Power. A measure of signal strength, similar to RSSI, but RSRP measures lower than RSSI due to the method of calculation.

**RSRQ:** Reference Signal Received Quality. A calculated value from RSRP and RSSI that provides a measure of signal and interference.

**SINR:** Signal to Interference plus Noise Ratio. A measure of signal quality, taking interference and noise into account. SINR values are positive, and higher numbers are better.

**No of Connected Clients:** The number of client devices connected to the device.

**Current Template:** The name of the template currently applied to the device by its config group.

**APN:** The access point name for the device.

**Band:** The band in use for the current connection.

**Tower:** The band in use for the current connection.

#### **TIPS**

Use the filter icon next to a column heading to view the type of searching and sorting capabilities for that column. Columns have unique filtering features and functions. You can drag and drop column headings to rearrange the column order in the table as desired.

Use the menu icon in the upper right to select which columns are visible in the table, refresh the table with the latest data sent by devices, and export the table.

You can make changes to devices by selecting the checkboxes next to devices you want to change and using the commands along the top of the table. Use the checkbox at the top to select or deselect all devices.

**Configure:** Allows you to view and change settings on a selected device. Use the side menu to navigate. When you make a change, a change icon appears on the side menu and next to each changed item. A red warning appears if you need to fix something. If you want the changes enacted at a later time, check the **Schedule later** box and select a date and time from the calendar. Once all your changes are made, select **Save to Device**.

**NOTE:** You can only select and configure one device at a time with **Configure**. To configure multiple devices with the same model and firmware, create a template (on the Templates page) and use **Apply Template**.

**Apply Template:** Allows you to apply a template created on the Templates page to selected devices with the same model and firmware. Use **Schedule later** to schedule a different time to apply the template.

**Update Firmware:** Instructs the selected devices to check for a pending firmware update. If there is a new firmware version, it is downloaded and applied. Use **Schedule later** to schedule the update for a later time.

**Reboot:** Restarts selected devices. Rebooted devices will automatically reconnect to Inseego Connect once they resume operation. Use **Schedule later** to schedule the reboot for a later time.

**Factory Reset:** Resets all settings on selected devices to their factory default values. Use **Schedule later** to schedule the factory reset for a later time.

**CAUTION:** If you use **Factory Reset**, you will need to reconfigure each device for it to work in your environment.

**Add to Group:** Allows you to add selected devices to an existing group, or you can create a new group.

**Delete:** Removes the selected devices from Inseego Connect.

#### **Device View**

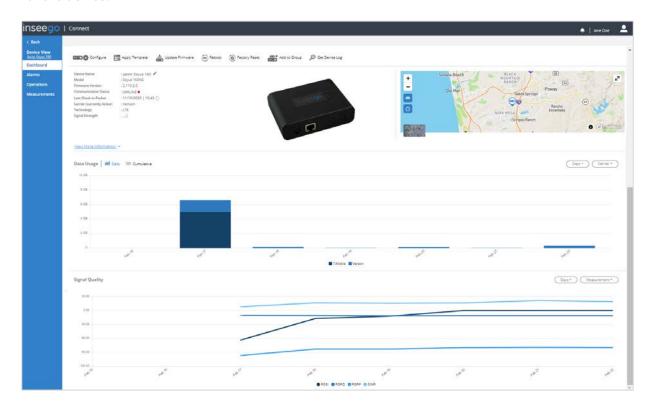
When you click on a device name in the Devices table, a dashboard with details for only that device appears.

The Device View page includes the following pages:

- Dashboard
- Alarms
- Operations
- Measurements

#### **Device View Dashboard**

The Device View Dashboard page displays details, a map, data usage, and signal quality information for the device.



#### Information

The upper left section of this page provides information on the device similar to what is displayed on the Devices List page.

#### **TIPS**

Use the pencil icon next to **Device Name** to edit the name.

Click the refresh icon next to **Last Check-in Packet** to request a fresh packet of data from the device without waiting for the next scheduled transmission.

You can make changes to the device using the commands along the top.

**Configure:** Allows you to view and change settings on the device. Use the side menu to navigate. When you make a change, a change icon appears on the side menu and next to each changed item. A red warning appears if you need to fix something. Make all your changes and select **Save to Device**.

**Apply Template:** Allows you to apply a template created in Devices > Templates to the device.

**Update Firmware:** Instructs the device to check for a pending firmware update. If there is a new firmware version, it is downloaded and applied.

**Reboot:** Restarts the device. The rebooted device will automatically reconnect to Inseego Connect once it resumes operation.

**Factory Reset:** Resets all settings on the device to factory default values.

**CAUTION:** If you use **Factory Reset**, you will need to reconfigure the device for it to work in your environment.

**Add to Group:** Allows you to the device to an existing group, or you can create a new group.

**Get Device Log:** The cloud requests a log from the device and the device uploads the log to the cloud. When a log is available Download Device Log File displays below the information in this section. The link remains until there is a new request for a log.

**NOTE:** Logs are encrypted and not readable. They are intended for Support use only.

Click the View More Information link at the bottom of this section for more device details:



Click **Hide Information** to exit.

#### Map

The map shows the location of this device.

#### **TIPS**

+

Use the expand icon in the upper right to expand the map size for easier viewing.

Use the plus and minus icons in the upper left of the map to zoom in and out. You can also zoom in and out using the mouse wheel. You can navigate the map by clicking with the left mouse button and dragging the map.

- Use the eye icon to reset zoom.
- Click the refresh icon to update the map with the latest information sent by the device.
- Click the image in the bottom left to toggle between satellite and street view.

#### **Data Usage**

The Data Usage graph provides data usage (In MB or GB) for this device. You can select from the following display options on the upper left:

**Daily** — Displays data usage for this device per day. Use the drop-downs in the upper right to change the number of days displayed or to filter on a particular carrier.

**Cumulative** — Displays 30 days of cumulative and projected data usage for this device. The projected data usage is forecast based on usage patterns from the last 30 days. Use the dropdowns in the upper right to select a billing start date to store for each carrier and to filter on a particular carrier.

**TIP** - Hover over a color in the graph for details.

#### **Signal Quality**

The graph provides signal quality information for this device (in dBm) by day, including:

**RSSI:** Received Signal Strength Indicator. An estimated measure of how well a device can hear a signal from a radio transmitter.

**RSRQ:** Reference Signal Received Quality. A calculated value from RSRP and RSSI that provides a measure of signal and interference.

**RSRP:** Reference Signal Receive Power. A measure of signal strength, similar to RSSI, but RSRP measures lower than RSSI due to the method of calculation.

**SINR:** Signal to Interference plus Noise Ratio. A measure of signal quality, taking interference and noise into account. SINR values are positive, and higher numbers are better.

#### **TIPS**

- You can hover over a line on the graph for details.
- Use the drop-downs in the upper right to change the number of days displayed or to filter on a particular measurement.

#### **Device View Alarms**

The Device View Alarms page allows you to view and manage unresolved alarms for the device.



The list provides details for unresolved alarms on the device for the past 30 days:

**Alarm Name:** The name of the alarm. Click on an alarm name for more details on that alarm. You can use the **Dismiss** button in the popup to dismiss the alarm.

**Type:** The type of alarm (Connection Status, Device Data Usage, Carrier Data Usage, Measurements, Geofence, or Inseego Secure).

**Device:** The name of the device reporting the alarm.

**Time:** The date and time of the alarm.

**Priority:** The priority of the alarm.

#### **TIPS**

Use the filter icon next to a column heading to view the type of searching and sorting capabilities for that column. Columns have unique filtering features and functions. You can drag and drop column headings to rearrange the column order in the table as desired.

 $\equiv$  Use the menu icon in the upper right to refresh with the latest data sent by devices, or export.

Use the **Dismiss** button at the top of the list to dismiss selected alarms. You should dismiss an alarm once the triggering event is understood and any necessary actions have been taken. Dismissing an alarm removes it from the all alarms lists so users can focus on unresolved alarms.

#### **Device View Operations**

The Device View Operations page allows you to view and manage operations for the device.



The table lists all operations conducted on the device in the past 30 days:

**Operation Name:** The type of operation. Click on an operation to view details, download a debug log file, retry a pending or failed operation, or run a scheduled operation immediately. When you click on a SCHEDULED, CFG\_UPDATE, or TEMPLATE operation, you can view the most recent changes.

**Status:** The status of the operation:

COMPLETE	The operation completed successfully.
PENDING	The operation is waiting for the device to come online and/or accept the command. You can stop pending operations using the <b>Stop</b> button.
SCHEDULED	The operation is scheduled. If the device is offline at the scheduled time, the operation will change to pending. Click on the operation name to view changes, run the operation now, or stop the operation.
STOPPED	The operation was stopped while pending. To resume the operation, click on it and click <b>Resume</b> . The operation will change to pending.
FAILED	The operation completed unsuccessfully. To retry the operation, click on it

and click **Retry**. The operation will change to pending.

**Device:** The name or IMEI of the device.

**User Name:** The name of the user that initiated the operation.

**Created:** The date and time the operation was created.

**Start:** The date and time the operation began.

**End:** The date and time the operation ended, if applicable.

#### **TIPS**

Use the filter icon next to a column heading to view the type of searching and sorting capabilities for that column. Columns have unique filtering features and functions. You can drag and drop column headings to rearrange the column order in the table as desired.

 $\equiv$  Use the menu icon in the upper right to refresh with the latest data sent by devices, or export.

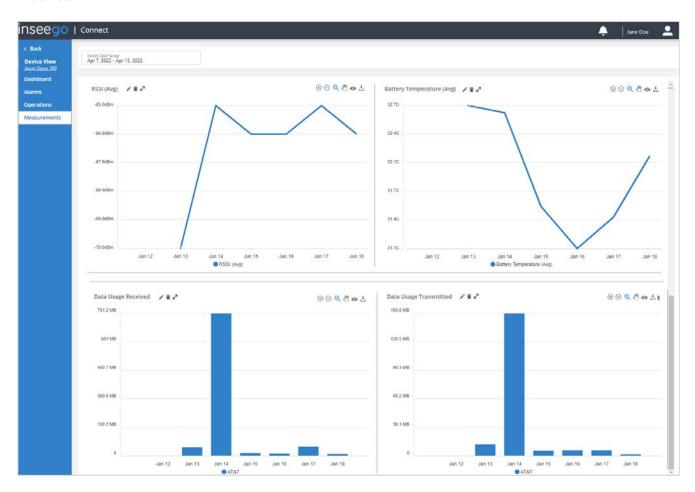
You can make changes to device operations by selecting the checkboxes next to operations you want to change and using the commands along the top of the table. Use the checkbox at the top to select or deselect all operations.

**Stop:** Stops operations that are pending.

**Delete:** Permanently removes the operation from the list.

#### **Device View Measurements**

The Device View Measurements page allows you to view four charts of detailed measurements for the device.



Click the **Select Date Range** button. You can choose a date range from the list on the left, select the beginning and end of a range of dates from the calendar, or choose single day by clicking on the same day twice. **NOTE:** Inseego Connect stores 90 days of data.

Select **Add Chart** and select a **Measurement** from the list (RSSI, RSRP, RSRQ, SINR, Data Usage Transmitted, Data Usage Received, Data Usage Total, Battery Voltage, Battery Temperature, or Battery Level).

Select a Value (Avg, Min, Max, or Raw) to display the measurement in the chart.

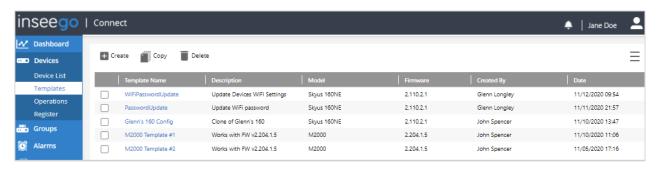
Click **Save**. Repeat for charts with different measurements.

#### **TIPS**

- Use the pencil icon to edit the chart.
- Use the trash icon to delete the chart.
- ✓ Use the expand icon to expand the chart.
- +
- Use the plus and minus icons to zoom in and out.
- Use the zoom icon and select a portion of the graph to focus on.
- Use the hand icon to scroll through larger charts.
- Use the eye icon to reset zoom.
- Luse the download icon to download an SVG, PNG, or CSV file of the chart.

# **Templates**

Use the Templates page to create and manage templates for device settings.



The list provides information on existing templates:

**Template Name:** The name of the template. Click on a name to bring up the template and make changes to settings. Select **Save** to keep your changes.

**Description:** A description of the template.

**Model:** The model of device the template applies to, for example, Skyus 160.

**Firmware:** The version of firmware the template applies to.

Created By: The user that created the template.

**Date:** The date and time the template was created.

#### **TIPS**

Use the filter icon next to a column heading to view the type of searching and sorting capabilities for that column. Columns have unique filtering features and functions. You can drag and drop column headings to rearrange the column order in the table as desired.

Use the menu icon in the upper right to refresh with the latest data sent by devices, or export.

Use the tools along the top of the table to create a new template, or to select a template to work from or delete.

**Create:** Use this button to create a new template.

- 1. Enter a **Template Name**.
- 2. Enter a **Description** for the template.
- 3. Choose **Create New Template** or **Copy Settings from Existing Device**.
- 4. If you chose Create New Template, make selections from the Select Model and Select Firmware drop-down lists. If you chose Copy Settings from Existing Device, select a device from the list. TIP: Use the filter icon next to a column heading to filter the device list by name, model, and firmware version.
- 5. Click Next.
- 6. Navigate through the side menu to enter or edit settings as desired. When you make a change, a change icon appears on the side menu and next to each changed item. A red warning appears if you need to fix something. **NOTE:** Only the fields you

select will be included in the template. Make all of your changes and select **Create Template**. The template appears in the list.

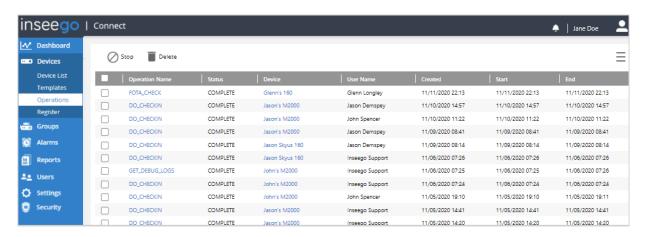
**Copy:** Use this button to copy a selected template to use as the basis for a new template.

**Delete:** Use this button to delete selected templates.

#### **Operations**

Use the Operations page to view details and manage device operations, such as firmware and configuration updates.

**NOTE:** You can click on a device name to access a device-specific dashboard, including an Operations page that only displays operations for that particular device.



The table lists all operations conducted on devices in the past 30 days:

**Operation Name:** The type of operation. Click on an operation to view details, download a debug log file, retry a pending or failed operation, or run a scheduled operation immediately. When you click on a SCHEDULED, CFG\_UPDATE, or TEMPLATE operation, you can view the most recent changes.

**Status:** The status of the operation:

COMPLETE	The operation completed successfully.
PENDING	The operation is waiting for the device to come online and/or accept the
	command. You can stop pending operations using the <b>Stop</b> button.
SCHEDULED	The operation is scheduled. If the device is offline at the scheduled time, the
	operation will change to pending. Click on the operation name to view
	changes, run the operation now, or stop the operation.
STOPPED	The operation was stopped while pending. To resume the operation, click
	on it and click <b>Resume</b> . The operation will change to pending.
FAILED	The operation completed unsuccessfully. To retry the operation, click on it
	and click <b>Retry</b> . The operation will change to pending.

**Device:** The name or IMEI of the device. **NOTE:** When you click on a device name, a dashboard with details for that device appears, including an Operations page for that device (see Device View on page 16 for more information).

**User Name:** The name of the user that initiated the operation.

**Created:** The date and time the operation was created.

**Start:** The date and time the operation began.

**End:** The date and time the operation ended, if applicable.

#### **TIPS**

Use the filter icon next to a column heading to view the type of searching and sorting capabilities for that column. Columns have unique filtering features and functions. You can drag and drop column headings to rearrange the column order in the table as desired.

= Use the menu icon in the upper right to refresh with the latest data sent by devices, or export.

You can make changes to device operations by selecting the checkboxes next to operations you want to change and using the commands along the top of the table. Use the checkbox at the top to select or deselect all operations.

**Stop:** Stops operations that are pending.

**Delete:** Permanently removes the operation from the list.

## Register

Use the Register page to add devices to Inseego Connect.



The table lists all devices currently pending registration with Inseego Connect:

**Device Name:** The name entered for the device (optional).

**IMEI:** The International Mobile Equipment Identity (IMEI) for the device. This is a 15 digit code used to uniquely identify an individual mobile station on a network.

**Status:** Indicates the registration status of the device, for example, WAITING\_FOR\_CONNECTION.

**Date Registered:** The date and time the device was added.

#### **TIPS**

Use the filter icon next to a column heading to view the type of searching and sorting capabilities for that column. Columns have unique filtering features and functions. You can drag and drop column headings to rearrange the column order in the table as desired.

 $\equiv$  Use the menu icon in the upper right to refresh with the latest data sent by devices, or export.

Use the tools along the top of the table to add or delete devices from the list.

**NOTE:** When adding devices, make sure the devices are powered on and are connected to the Internet.

**Add Single:** Use this button to add a single device. Enter a **Device Name** (optional), **Device IMEI**, **Device Password**, and click **Register**. The device enters a Waiting for Connection state while waiting to connect to the Inseego cloud.

**Add Multiple:** Use this button to add a multiple devices by uploading an .xlsx file. Click the **Download sample template (.xlsx)** link. Open the .xlsx file and enter a **Name** (optional), **IMEI**, and **Password** for each device you wish to register. Click **Upload**. The devices enter a Waiting for Connection state while waiting to connect to the Inseego cloud.

**Delete:** Deletes selected devices from the pending registry list.

**NOTE:** It may take up to an hour for devices to check in and process the registration request. Once devices are registered, they appear in the List page and no longer appear on the Register page.

# Groups

Use Groups to create device groups, view group details and configure group devices. You can also create templates for settings on group devices.

Groups includes three pages:

- Group List
- Templates
- Operations

# **Group List**

Use the Group List page to create, view, and manage groups of devices.



The list provides details for all device groups currently defined:

**Group Name:** The name assigned to the group of devices. When you click on a group name, a version of the Dashboard Home page appears with data for that group. The dashboard page also includes pages for Alarms and Operations.

**Model:** The model of the devices in the group, for example, Skyus 100. **NOTE:** If a group includes multiple models, this column displays **Mixed**.

**Firmware:** The version of firmware on the devices in the group. **NOTE:** If a group includes multiple firmware versions, this column displays **Mixed**.

**No. of Devices:** The number of the devices in the group.

**Alarms:** The number and type of alarms currently unresolved for the devices in the group.

**Group Type:** Indicates the type of group:

Static Any logical grouping of a fixed set of devices. You can use static groups to view group level dashboards, define alarms, and run reports on a specific set of devices. A device can belong to multiple static groups.

A group of devices in which a template defines and maintains configuration settings. If a user changes any device setting that is configured in the template, the template is reapplied and the device reverts to template settings. An APPLY\_TEMPLATE operation displays in the Operations tab each time the template is automatically reapplied.

**NOTE:** A device can belong to only one config group.

**Template:** The name of the template currently applied to the device by its config group.

Config

#### **TIPS**

Use the filter icon next to a column heading to view the type of searching and sorting capabilities for that column. Columns have unique filtering features and functions. You can drag and drop column headings to rearrange the column order in the table as desired.

Use the menu icon in the upper right to refresh with the latest data sent by devices, or export.

Use the commands along the top of the table to create a new group or make changes to groups by selecting the checkboxes next to groups you want to change. Use the checkbox at the top to select or deselect all groups:

**Create:** Use this button to create a new device group:

- 1. Choose **Static Group** or **Config Group**.
- 2. Enter a **Group Name**.
- 3. If you are creating a config group, select a **Template Name** from the drop-down list.
- 4. Select the devices you want included in the group. **NOTE:** Devices in a config group must have the same model and firmware version as the template.
- 5. Click **Save**. The group appears in the list.

**Edit:** Use this button to change the group name. You can also add and/or remove devices from the group.

**Delete:** Use this button to remove a selected device group.

**Apply Template:** Allows you to apply a template created in the Templates page to selected groups with devices that have the same model and firmware. Use **Schedule later** to schedule a different time to apply the template. **NOTE:** You cannot apply a template to a config group. A template is associated with a config group when the group is created.

**Update Firmware:** Updates the firmware on selected group devices. Use **Schedule later** to schedule the update for a later time.

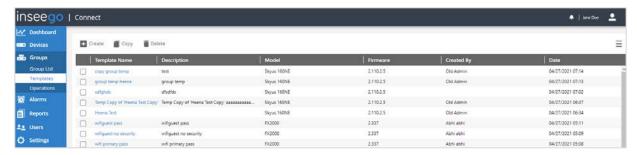
**Reboot:** Restarts selected group devices. Rebooted devices will automatically reconnect to Inseego Connect once they resume operation. Use **Schedule later** to schedule the reboot for a later time.

**Factory Reset:** Resets all settings on selected group devices to their factory default values. Use **Schedule later** to schedule the factory reset for a later time.

**CAUTION:** If you use **Factory Reset**, you will need to reconfigure each device for it to work in your environment.

# **Templates**

Use the Templates page to create and manage templates for device settings. **NOTE:** You can apply templates to device groups in which all devices have the same model and firmware.



The list provides information on existing templates:

**Template Name:** The name of the template. Click on a name to bring up the template and make changes to settings. Select **Save** to keep your changes.

**Description:** A description of the template.

**Model:** The model of device the template applies to, for example, Skyus 160.

**Firmware:** The version of firmware the template applies to.

**Created By:** The user that created the template.

**Date:** The date and time the template was created.

#### **TIPS**

Use the filter icon next to a column heading to view the type of searching and sorting capabilities for that column. Columns have unique filtering features and functions. You can drag and drop column headings to rearrange the column order in the table as desired.

 $\equiv$  Use the menu icon in the upper right to refresh with the latest data sent by devices, or export.

Use the tools along the top of the table to create a new template, or to select a template to work from or delete.

**Create:** Use this button to create a new template.

- 1. Enter a **Template Name**.
- 2. Enter a **Description** for the template.
- 3. Choose Create New Template or Copy Settings from Existing Device.
- 4. If you chose Create New Template, make selections from the Select Model and Select Firmware drop-down lists. If you chose Copy Settings from Existing Device, select a device from the list. TIP: Use the filter icon next to a column heading to filter the device list by name, model, and firmware version.
- 5. Click Next.
- 6. Navigate through the side menu to enter or edit settings as desired. When you make a change, a change icon appears on the side menu and next to each changed item. A red warning appears if you need to fix something. **NOTE:** Only the fields you

select will be included in the template. Make all of your changes and select **Create Template**. The template appears in the list.

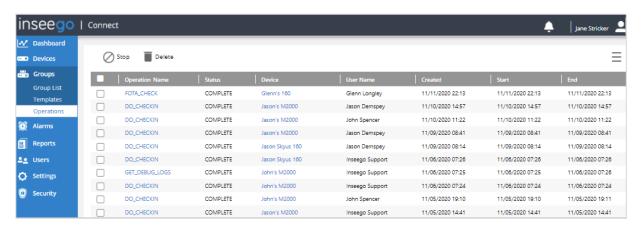
**Copy:** Use this button to copy a selected template to use as the basis for a new template.

**Delete:** Use this button to delete selected templates.

#### **Operations**

Use the Operations page to view details and manage device operations, such as firmware and configuration updates.

**NOTE:** You can click on a device name to access a device-specific dashboard, including an Operations page that only displays operations for that particular device.



The table lists all operations conducted on devices in the past 30 days:

**Operation Name:** The type of operation. Click on an operation to view details, download a debug log file, retry a pending or failed operation, or run a scheduled operation immediately. When you click on most operation names a SCHEDULED, CFG\_UPDATE, or TEMPLATE operation, you can view details about the operation.

**Status:** The status of the operation:

COMPLETE	The operation completed successfully.
PENDING	The operation is waiting for the device to come online and/or accept the
	command. You can stop pending operations using the <b>Stop</b> button.
SCHEDULED	The operation is scheduled. If the device is offline at the scheduled time, the
	operation will change to pending. Click on the operation name to view
	changes, run the operation now, or stop the operation.
STOPPED	The operation was stopped while pending. To resume the operation, click
	on it and click <b>Resume</b> . The operation will change to pending.
FAILED	The operation completed unsuccessfully. To retry the operation, click on it
	and click <b>Retry</b> . The operation will change to pending.

**Device:** The name or IMEI of the device. **NOTE:** When you click on a device name, a dashboard with details for that device appears, including an Operations page for that device (see Device View on page 16 for more information).

**User Name:** The name of the user that initiated the operation.

**Created:** The date and time the operation was created.

**Start:** The date and time the operation began.

**End:** The date and time the operation ended, if applicable.

#### **TIPS**

Use the filter icon next to a column heading to view the type of searching and sorting capabilities for that column. Columns have unique filtering features and functions. You can drag and drop column headings to rearrange the column order in the table as desired.

Use the menu icon in the upper right to refresh with the latest data sent by devices, or export.

You can make changes to device operations by selecting the checkboxes next to operations you want to change and using the commands along the top of the table. Use the checkbox at the top to select or deselect all operations.

**Stop:** Stops operations that are pending.

**Delete:** Permanently removes the operation from the list.

# **Alarms**

Use Alarms to view and manage alarms and to create alarm rules.

Alarms includes two pages:

- Alarm List
- Rules

#### Alarm List

Use the Alarm List page to view and manage unresolved alarms.



The list provides details for unresolved alarms on all registered devices for the past 30 days:

**Alarm Name:** The name of the alarm. Click on an alarm name for more details on that alarm. You can use the **Dismiss** button in the popup to dismiss the alarm.

**Type:** The type of alarm (Connection Status, Device Data Usage, Carrier Data Usage, Measurements, Geofence, or Inseego Secure).

**Device:** The name of the device reporting the alarm.

**Time:** The date and time of the alarm.

**Priority:** The priority of the alarm.

#### **TIPS**

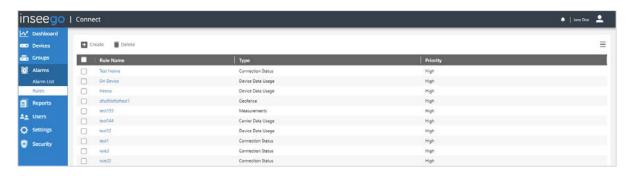
Use the filter icon next to a column heading to view the type of searching and sorting capabilities for that column. Columns have unique filtering features and functions. You can drag and drop column headings to rearrange the column order in the table as desired.

= Use the menu icon in the upper right to refresh with the latest data sent by devices, or export.

Use the **Dismiss** button at the top of the list to dismiss selected alarms. You should dismiss an alarm once the triggering event is understood and any necessary actions have been taken. Dismissing an alarm removes it from all alarms lists so users can focus on unresolved alarms.

#### Rules

Use the Rules page to create and manage alarm rules.



The list provides details for all current alarm rules.

**Rule Name:** The name of the alarm rule. Click on a name to view or edit that rule.

**Type:** The type of alarm (Connection Status, Device Data Usage, Carrier Data Usage, Measurements, Geofence, or Inseego Secure).

**Priority:** The priority of the alarm rule (High, Medium, or Low).

#### **TIPS**

Use the filter icon next to a column heading to view the type of searching and sorting capabilities for that column. Columns have unique filtering features and functions. You can drag and drop column headings to rearrange the column order in the table as desired.

= Use the menu icon in the upper right to refresh with the latest data sent by devices, or export.

Use the **Delete** button at the top of the table to delete selected alarm rules from the list. No new alarms will trigger for a deleted rule.

Use the **Create** button at the top of the table to create a new alarm rule. The Create Rule dialog appears.

# **Creating Alarm Rules**

The Create Rule dialog leads you through the following screens:

#### Alarm Type

- 1. **Alarm name** Enter a name for the alarm rule.
- 2. **Priority** Select a priority level from the drop down.
- 3. **Maximum Alerts per Device per Day** Use the drop-down to select the maximum number of alerts you want allowed for any device on one day.
- 4. **Alarm Type** Select a type of alarm from the drop-down (Connection Status, Device Data Usage, Carrier Data Usage, SIM Data Usage, WAN Data Usage, Measurements, Geofence, Inseego Secure, Installation Position, or VPN Tunnel Status).

5. Make the desired choices for the selected alarm type and click **Next**.

**NOTE:** For Geofence alarms, click the information icon **1** for tips.

#### Devices

- 1. **Select Devices** Use the checkboxes to select devices for the alarm rule or use the checkbox at the top to select all devices in the list. After making your selections, you can check the **Show only selected devices** box, if desired.
- 2. **Select Groups** Use the checkboxes to select groups for the alarm rule or use the checkbox at the top to select all device groups in the list. After making your selections, you can check the **Show only selected groups** box, if desired.
- 3. Click Next.

#### Notify

- 1. **Select User** Use the checkboxes to select which users you want to receive alarms for this rule or use the checkbox at the top to select all users in the list. After making your selections, you can check **the Show only selected users** box, if desired.
- 2. **Enter Email Addresses** Enter email addresses for any additional users you want to receive alarms for this rule.
- 3. Click Finish.

The alarm rule appears in the list.

**NOTE:** When the alarm parameters are met, the following actions occur:

- The alarm appears in the Alarms List and remains there for 30 days, or until it is dismissed.
- Users and email addresses selected in the Notify step receive an email with alarm details.

# Reports

Use the Reports page to create and run reports for data usage, signal quality, alarm history, and inventory.



The list provides details on all of your Inseego Connect reports.

**Report Name:** The name of the report. Click on a name to edit the report.

**Description:** A description of the report.

**Timeframe:** The timeframe for the report.

**Frequency:** The schedule for the report. **NOTE:** You can turn a schedule on or off, by checking the box next to the report, clicking **Schedule**, and using the ON/OFF slider on the dialog.

#### **TIPS**

Use the filter icon next to a column heading to view the type of searching and sorting capabilities for that column. Columns have unique filtering features and functions. You can drag and drop column headings to rearrange the column order in the table as desired.

= Use the menu icon in the upper right to refresh with the latest data sent by devices, or export.

Use the tools along the top of the table to create a new report or manage existing reports:

Use the **Run** button to run reports selected from the list. You can run multiple reports concurrently. Icons appear next to the report name:

- indicates the report is running.
- Indicates the report has downloaded.
- Indicates an error, such as all devices for the report were deleted or no data is available for the selected timeframe.

Use the **Delete** button to delete selected reports from the list.

Use the **Create** button to create a new report. The Create Report dialog appears.

Use the **Schedule** button to schedule for a report selected from the list, or to edit an existing schedule. The Schedule Report dialog appears.

# **Creating Reports**

The Create Report dialog leads you through the following screens:

#### Report Type

- 1. Enter a **Report Name**.
- 2. Enter a description of the report (optional).
- 3. Select a type of report from the drop-down (Daily Device Data Usage, Signal Quality, Alarm History, or Inventory).
- 4. Select a report format (Formatted or Raw Data).
- 5. For Daily Device Data Usage Reports, choose how you want the report summarized (Device or Date).
- 6. Click **Next**.

#### Devices

- Select Devices Use the checkboxes to select devices for the report or use the checkbox at the top to select all devices in the list. After making your selections, you can check the Show only selected devices box, if desired.
- 2. **Select Groups** Use the checkboxes to select groups for the report or use the checkbox at the top to select all device groups in the list. After making your selections, you can check the **Show only selected groups** box, if desired.
- 3. Click **Next**.

#### **Timeframe**

- Select a timeframe for the report. You can select a relative timeframe or choose a specific day or range of days. To choose a specific day or date range, select **Custom Date** and then click in the **Select Date Range** box. Select a desired day - or the beginning and end dates for a range of days, in the calendar.
- 2. Click Finish.

The report appears in the list.

# **Scheduling Reports**

The Schedule Report dialog leads you through the following screens to set when a report is run and where it is downloaded:

**NOTE:** You can turn schedules on or off with the slider at the top of this dialog.

#### Frequency

- 1. **Select how often to run this report** Use the checkboxes to select Daily, Weekly, or Monthly.
- 2. **Select time of day to run the report** Use the drop-down to select the time.

#### **Notify**

- 1. **Select User** Use the checkboxes to select which users you want to receive this report or use the checkbox at the top to select all users in the list. After making your selections, you can check **the Show only selected users** box, if desired.
- 2. **Enter Email Addresses** Enter email addresses for any additional users you want to receive this report.
- 3. Click **Finish**.

The schedule appears in the Frequency column of the Report list.

# Users

Users allows you to add users, view user details and view roles.

Users includes two pages:

- User List
- Roles

#### **User List**

Use the User List page to create, view, and manage users.



The list provides details on all of your Inseego Connect users:

**User Name:** The name of the user. Click on a name to edit the name, email address, or role assigned to the user.

**Email:** The email address of the user.

**Role:** The role assigned to the user.

**Hierarchy Node:** The node to which the user has access (for future use).

**Status:** Indicates whether the user is locked or unlocked. A locked user does not have access to Inseego Connect.

#### **TIPS**

Use the filter icon next to a column heading to view the type of searching and sorting capabilities for that column. Columns have unique filtering features and functions. You can drag and drop column headings to rearrange the column order in the table as desired.

Use the menu icon in the upper right to refresh with the latest data sent by devices, or export.

Use the tools along the top of the table to create a new user or manage existing users:

**Create:** Use this button to create a new user. The Create User dialog appears:

- 1. Enter the user's **First Name**.
- 2. Enter the user's Last Name.
- 3. Enter an **Email** for the user.
- 4. Use the drop down to select a **Role** for the user:

**Admin** — Access to all functionality available with Inseego Connect.

**Manager** — Access to manage devices, but cannot configure user settings.

**Viewer** — Access to view information, but cannot make any changes.

5. Select **Save**. The user will appear in the list.

**Delete:** Use this button to remove selected users.

**Audit Log:** Use this button to download an Excel audit log for the users you select. The audit log provides any actions taken in Inseego Connect within the last 30 days that affect your account. The log displays the name of the user, the action taken, the device, and the timestamp (as determined in Settings).

#### Roles

Use the Roles page to view user roles.



The list provides descriptions for all current roles.

Role Name: The name of the role.

**Description:** A description of the role.

#### **TIPS**

Use the filter icon next to a column heading to view the type of searching and sorting capabilities for that column. Columns have unique filtering features and functions. You can drag and drop column headings to rearrange the column order in the table as desired.

Use the menu icon in the upper right to refresh with the latest data sent by devices, or export.

# Settings

Use the Settings page to view and modify the time zone settings for your account.



# **Localization Settings**

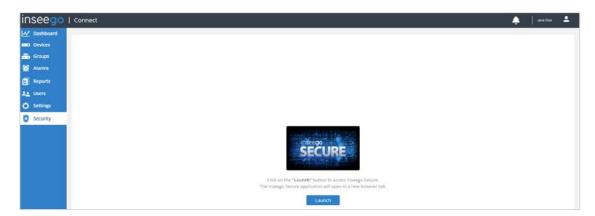
**Time Zone** — Use the drop down to select the time zone you want Inseego Connect to use for your account.

**NOTE:** This setting affects the determination of a day for daily data usage information.

# Security

Use the Security page to access the Inseego Secure™ application. Inseego Secure is a multi-layered security platform for Inseego IoT devices that offers a cloud-based platform for viewing security data and setting up content filtering security options.

**NOTE:** The Security page is only visible for tenants provisioned with Inseego Secure™.



Click the **Launch** button to open Inseego Secure in a new browser tab.