



BEAM Tracking Portal



User Guide

CONTENTS

1. Introduction	4	11.4 Additional User Information	
1.1 Help		12. Appendix - Device Specific Information	33
2. The Devices List	4	12.1 Iridium Extreme™	
3. Map	5	12.2 Shout Nano™	
3.1 3D Map			
4. Inbox	11		
4.1 Inbox - All Devices			
5. Sent Messages	14		
6. Address Book	15		
6.1 Rules			
7. Canned Messages	18		
8. Compose Message	19		
9. Geofence	20		
10. My Device	22		
10.1 Device Information			
10.2 Latest Position Information			
10.3 Device Configuration			
10.4 Check-In Schedule			
10.5 My Devices			
11. User Profile	27		
11.1 User Profile			
11.2 Emergency Contact Information			
11.3 External Services			

1. Introduction

This user guide describes the principal functions and operation of the BEAM Web Portal. The portal provides a cartographical means of visualising GPS locations and messages sent from a device. You may also view lists of all messages sent to and from the device and edit device and account configuration information.

Please note that some of the features described in the user guide will not be available due to the device type or portal version being used. Additionally, logos and images in this guide may be slightly different than on your portal. For more information, contact your service provider.

1.1 Help

Help is available on most pages by clicking the question mark icon shown below in the title bar.



Figure 1 Help Icon

2. Administration

If you have registered more than one device, the top right hand corner of the portal will display a list of devices to which you have access. Figure 2 shows a drop down list of devices visible to the current user. The drop-down list can be used to select either a single device or all devices. The text displayed is the “friendly name” for the device that is entered on the My Device page.

The menu options available to you below this list depend on whether you select a single device or all devices, the type of device selected, and the portal version. If you only have one device, this drop-down list will not appear and you will automatically be shown the menu options that apply to your device.

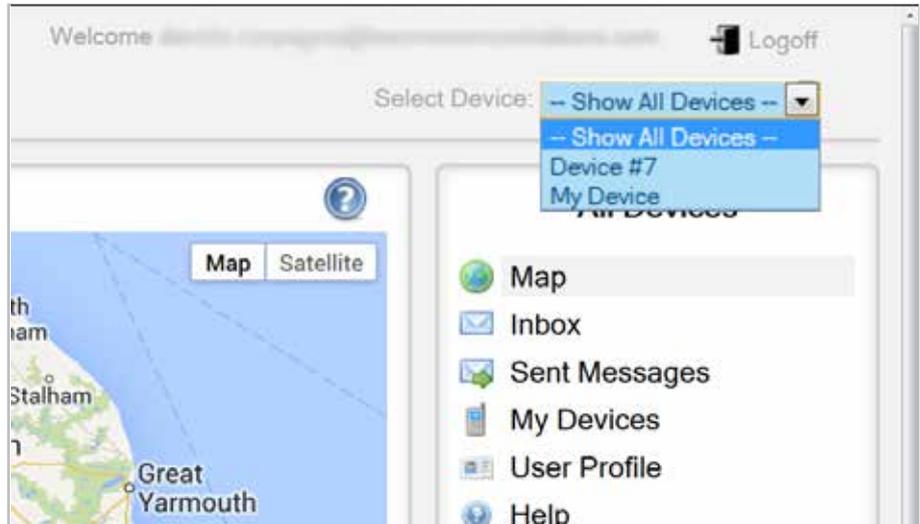


Figure 2 List of Visible Devices

3. Map

The Map page is used for mapping the location of your device. You have the option of using Google Maps or Bing Maps. To alter your choice, visit the User Profile page. Once logged in, you will be shown the last reported position for your device (or devices).

You can navigate (move your view) in two dimensions. To pan (move the map), do one of the following:

- Click and drag the map
- Press the up arrow on your keyboard to move north
- Press the down arrow on your keyboard to move south
- Press the right arrow on your keyboard to move east
- Press the left arrow on your keyboard to move west

Additionally, you can zoom in or out pressing the + or - keys on your keyboard. You can move the cursor over a location and use the mouse scroll button to zoom in or out on that location. To center and zoom in on a location, double click the location.

Bing Maps

- Arrows - Click the appropriate arrow buttons to move the view north, south, east or west.
- Zoom In - Click the zoom in icon (+). To zoom continuously, click and hold this button.
- Zoom Out - Click the zoom in icon (-). To zoom continuously, click and hold this button.
- For more information on using Bing maps, click here.

Google Maps

- Arrows - Click the appropriate arrow buttons to move the view north, south, east or west.
- Street View - Click to view street-level imagery
- Zoom - Click + to zoom in on the center of the map. Click - to zoom out.
- Zoom slider - Drag the zoom slider up or down to zoom in or out incrementally.

When you click on a device location icon, an information box appears (see Figure 3 below). The information box also displays information related to the message on three tabs.

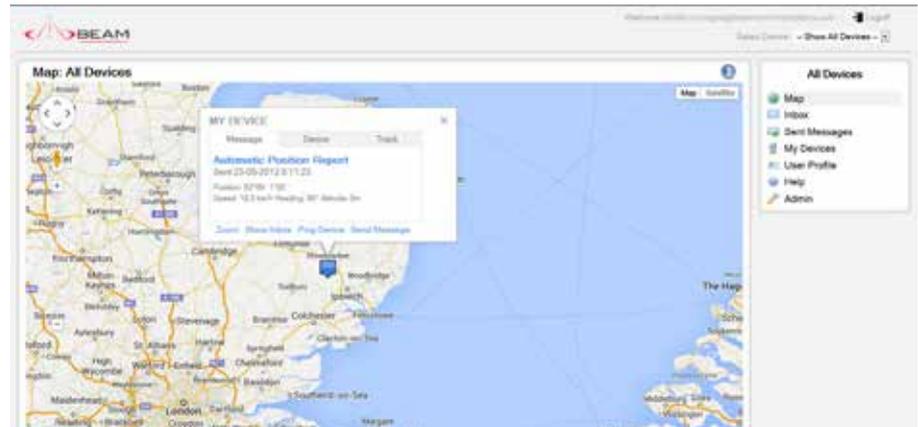


Figure 3 Map page with Message tab of Info Box

The Message tab shown on Figure 3, displays information related to the message. On this tab you will find all position information that was sent. This may include Latitude, Longitude, Speed, Heading and Altitude. Additionally, this tab will show you any text included in the message as well as the time the message was sent.

The Device tab shown on Figure 4, displays information related to the device that sent the message. On this tab you will find the friendly name of the device, device identifier (often the IMEI of the device), the device user and a photo.

If you haven't uploaded a photo, a stock photo of your device may be shown. The friendly name of your device and the photo may be changed on the My Device page.

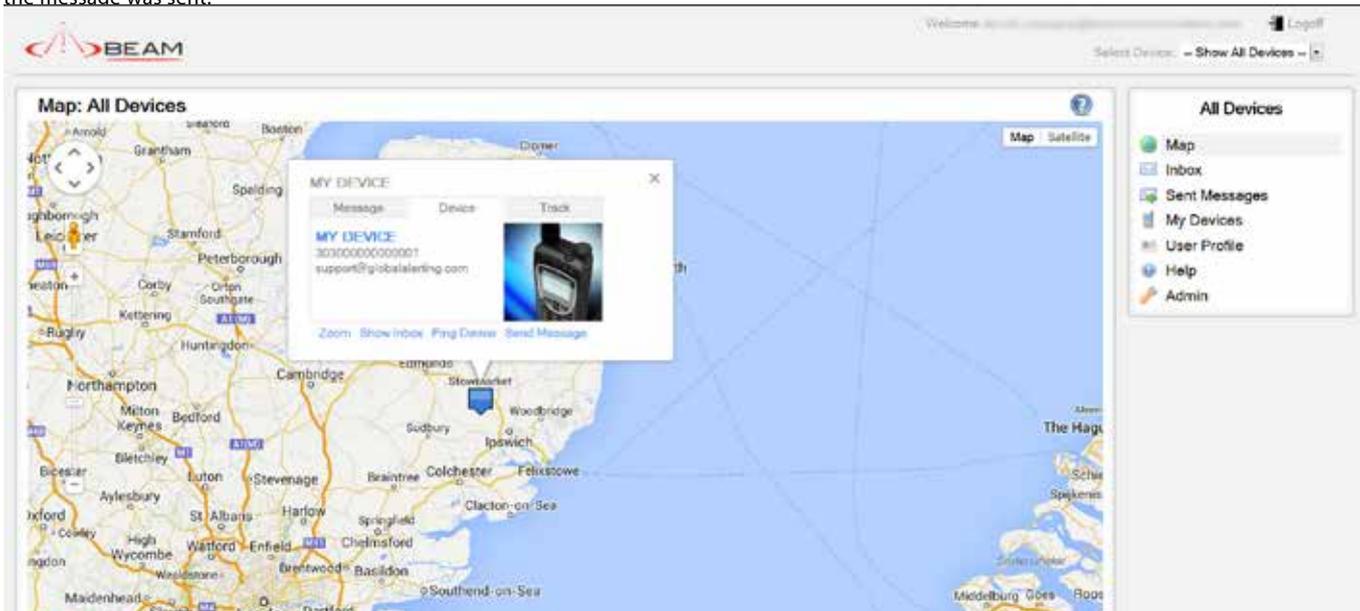


Figure 4 Map page with Device tab of Info Box

The Track tab displays options for drawing the device track within specified time interval. The “Show Track” link retrieves all position information and shows track on the map.

When the track is already shown the text of the link is changed to “Hide Track”. Clicking Hide Track removes selected track from the map. The default time interval is 7 days from the last received message containing position information.

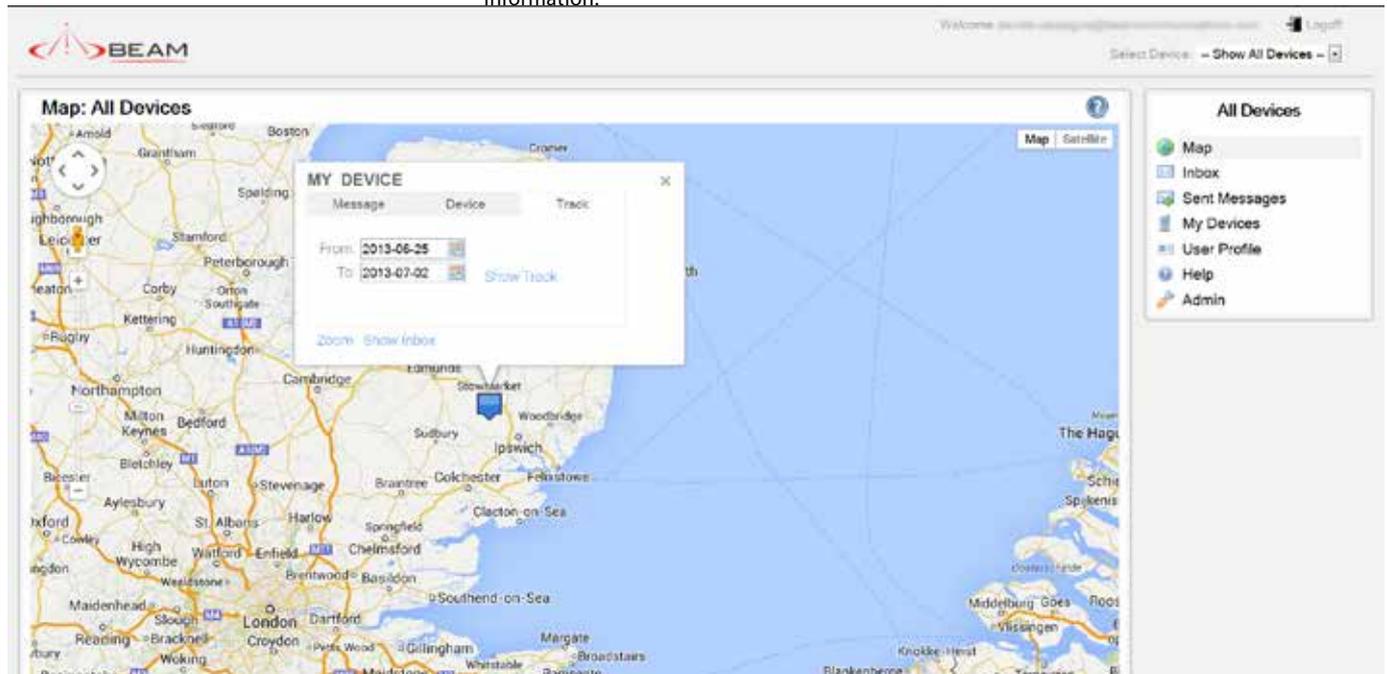


Figure 5 Map page with Track tab of Info Box

The start or end date can be changed by clicking the date and selecting date on the calendar control (see Figure 6 below), the track is automatically shown or updated for selected time interval (see Figure 7 below).



Figure 6 Track tab calendar control

The device track is shown with light blue dots representing received messages. Clicking any of the dots displays the Info Box for the message.

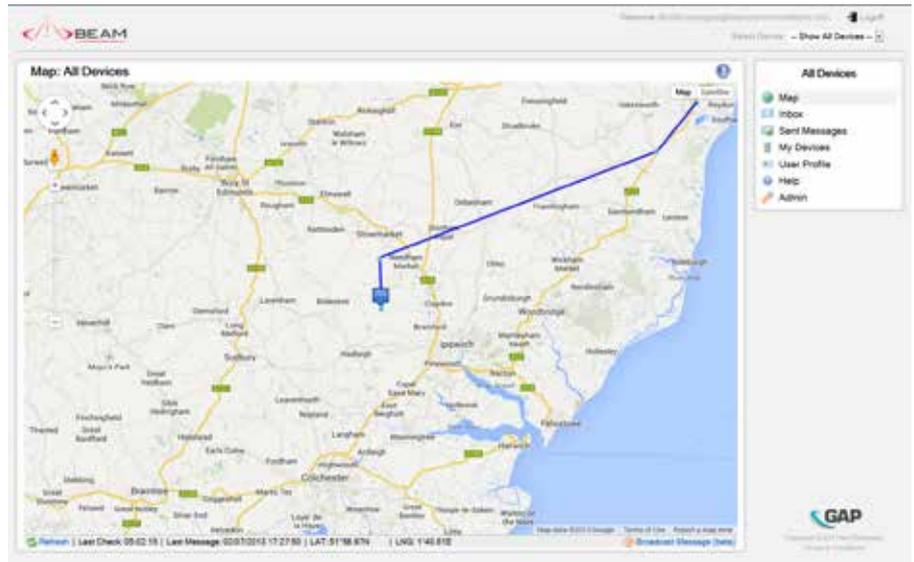


Figure 7 Device Track shown on the Map page

Additional options may be available from the bottom of information box:

- **Zoom** - Selecting this option causes the map to automatically zoom in to a smaller scale
- **Show Inbox** – Opens Inbox page with the current message selected
- **Ping Device** - Sends a message to the device requesting it to report its current location. Please note that if the device is in standby mode or powered off, the message will be queued at the Iridium gateway for delivery and the device will not respond immediately (this option is only available if the device supports receiving messages)
- **Send Message** – Opens the compose message page for sending a message to the device

Whilst on this page, you will be notified via a pop up box if a new message is received.



Figure 8 Notification that the current device has received a new message

The Map footer contains the following information:

This feature may be disabled by your Service Provider



Refresh – This option updates the map with the latest position messages without reloading the whole page.

Last Check – This is the last time the portal checked to see if there are any updates from the selected device or devices.

Last Message – If a single device is selected then this is the date and time of the most recent message. If all devices are selected then this shows the date and time of the most recent message from all the devices.

LAT/LNG – This shows the latitude and longitude of the mouse pointer on the map.



3D Map – This option allows you to view your position on Google Earth. Note: The google earth plug-in must be installed on your machine to use this feature.

3.1 3D Map

You may also view your position on Google Earth by using the 3D Map link in the bottom toolbar. This feature is particularly useful when your position is near either the South or North Pole. Note: The detailed position information shown in the information boxes on the normal map is not available while using the 3D Map. Options available from the bottom toolbar:

Status Bar

This option will display a status bar with information about the current location you are viewing on the map

Grid

This option will add longitude and latitude lines to the map

Scale Legend

This option will add a legend to the map showing the scale.

Track Start Date, Track End Date, Show/Hide Track

These options can be used together to show (or hide) a track for a particular device. Just enter the start and end dates for the track you wish to view and then hit the Show/Hide Track button



Use this option to return to the regular map.

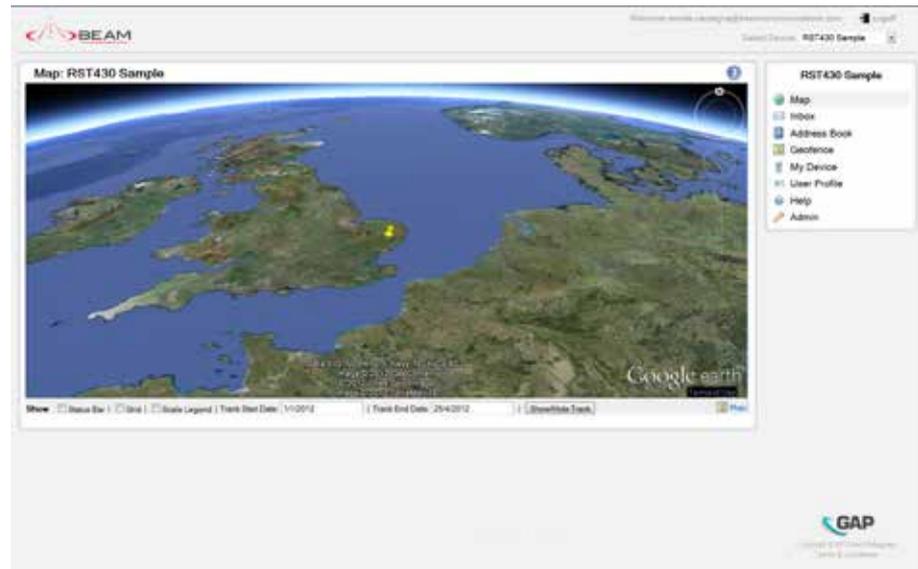


Figure 9 Device position shown on the 3D Map

4. Inbox

The **Inbox** page shows messages received from the device in reverse chronological order. The icons displayed against each row have the following meanings:



Position report

This is the position of the device at the time the message is sent.



Standard Message

This is a text message.



Canned Messages

This is a canned message.



System Message

This is a system message (System Test, Diagnostics Response, Request Device Identifier Response, or Synchronising Data over the Air).



Emergency Message

This is a message indicating that the emergency function of the device was activated.



Cancel Emergency Message

This is an emergency cancellation message.



All other messages

Hovering over the icon will let you know the type of message.

Columns in the grid have the following meaning:

Time

The time the device reported (UTC or user local time when set on the User Profile page). When hovered over, this column displays a popup with the time in standard UTC format.

Message

The body of the message.

Recipient

The address to which the message was destined. This is typically an address book entry. Hovering the mouse over this field will show the expanded address book entry.

Position

The position of device at the time of the report. For messages with a valid location, clicking on the position jumps to the location of the device on the Map page.

Speed

The velocity of the device at the time of the report (km per hour).

Heading

The course over ground.

Altitude

The elevation in meters.

Source

Indicates the source of the position (For most devices this is the in-built GPS. Some devices support other location technologies e.g. Doppler).

Note that some columns will appear blank for some messages. For example, the position, heading, altitude, and source columns will be blank when viewing a text message without a position.

The first page of messages will be automatically displayed. If you have more messages, page numbers will display below the table. Click on the page number to jump to that page of messages. Please note that the maximum number of messages that are visible is 1000. Once a device has exceeded this limit, only the most recent 1000 are visible. If you wish to keep a history, then you are advised to export the data using the link provided.

Welcome @beam-123456789@beam.com | Logout

Select Device: My Device

Inbox for device: My Device

	Time	Message	Recipients	Position	Speed	Heading	Altitude	Source
	27/03/2012 13:00:05	Abej	Me	21°18.62N 157°55.09W	18.52 km/h	90°	5 m	Gps
	27/03/2012 12:58:20	Manual Position Report		52°48.51N 001°50.20E	18.52 km/h	90°	5 m	Gps
	27/03/2012 10:59:52	Automatic Position Report	RUR	38°57.74N 110°56.48W	18.52 km/h	90°	5 m	Doppler
	27/03/2012 10:55:50	Geofence crossed by the device, device outside geofence	GeoFence	39°4.19N 120°3.02W	18.52 km/h	90°	5 m	Gps
	27/03/2012 10:55:01	Automatic Position Report	RUR	39°4.19N 120°3.02W	18.52 km/h	90°	5 m	Gps
	27/03/2012 10:50:47	Automatic Position Report	RUR	38°47.13N 120°9.73W	18.52 km/h	90°	5 m	Gps
	27/03/2012 10:49:42	Cancel Emergency	ECC	38°47.28N 120°9.28W	18.52 km/h	90°	5 m	Gps
	27/03/2012 10:49:22	Emergency	ECC	38°47.35N 120°9.21W	18.52 km/h	90°	5 m	Gps
	27/03/2012 10:48:56	This is the river	Me	38°47.27N 120°9.25W	18.52 km/h	90°	5 m	Gps
	27/03/2012 10:47:12	Automatic Position Report	RUR	38°47.27N 120°9.25W	18.52 km/h	90°	5 m	Gps

Refresh | Export To Excel

My Device

- Map
- Inbox
- Address Book
- Geofence
- My Device
- User Profile
- Help
- Admin

Figure 10 Messages from the Device

4.1 Inbox – All Devices

If you have access to more than one device, you will notice the Inbox page looks slightly different when viewing it for all devices.

When the page is initially shown, you will see your list of devices with the most recently reported device at the top. Simply click the right arrow next to the message time to display

detailed message information for that device. Once expanded, you may click the down arrow to collapse the detailed message information. The Sent Messages page for all devices displays in a similar manner.

The screenshot displays the 'Inbox: Latest message for all devices' interface. At the top, there's a navigation bar with the BEAM logo, a user profile icon, and a 'Select Device: -- Show All Devices --' dropdown. The main content area is divided into two sections. The top section shows a summary of the latest message for all devices, including the time (2012-11-01-12), device ID (R Lense Extreme), and the message type (Manual Position Report). Below this is a detailed table of messages with columns: Time, Message, Flips/alerts, Position, Speed, Heading, Altitude, and Duration. The second section shows a list of messages for individual devices, with columns for Time, Message, and Alerts. A sidebar on the right contains navigation links: Map, Inbox, Sent Messages, My Devices, User Profile, Help, and Admin.

Time	Message	Flips/alerts	Position	Speed	Heading	Altitude	Duration
25/04/2012 16:01:42	Manual Position Report		27° 0' 00N 030° 0' 00E	18.52 km/h	90°	5-m	Ops
25/04/2012 15:39:30	Check in		27° 34' 00N 030° 0' 00E	18.52 km/h	90°	5-m	Display
25/04/2012 15:38:16	all ok	EOC	27° 38' 00N 031° 38' 00E	18.52 km/h	90°	5-m	Ops
25/04/2012 15:37:43	Cancel Emergency	EOC	27° 0' 00N 031° 0' 00E	18.52 km/h	90°	5-m	Ops
25/04/2012 15:36:52	Emergency	EOC	27° 0' 00N 033° 0' 00E	18.52 km/h	90°	5-m	Ops
24/04/2012 12:07:18	Automatic Position Report	R/R	54° 7' 30N 054° 1' 44E	18.52 km/h	90°	5-m	Ops
24/04/2012 11:58:37	Yak free test	EOC	54° 7' 30N 054° 1' 44E	18.52 km/h	90°	5-m	Ops
24/04/2012 11:58:14	Cancel Emergency	EOC	52° 7' 30N 051° 1' 44E	18.52 km/h	90°	5-m	Ops
24/04/2012 11:58:05	Emergency	EOC	52° 7' 30N 051° 1' 20E	18.52 km/h	90°	5-m	Ops
24/04/2012 11:57:67	Manual Position Report		52° 8' 00N 051° 0' 00E	18.52 km/h	90°	5-m	Ops

Figure 11 Inbox for all devices showing message details for one device

5. Sent Messages

The Sent Messages page displays all messages sent to a device in reverse chronological order. This includes messages sent from the portal itself and messages sent from an external source but routed through the portal. Figure 12 shows an example screenshot of Sent Messages page in the portal. The columns have the following meaning:

Time Sent

The time the message was queued for transmission to the device (UTC or user local time when set in user's profile). When hovered over, displays a popup showing the time in UTC format.

Sender Address

This is originator of the message. This column

will display "SERVER" if the message was automatically sent to the device from the portal in response to a request e.g. a location request. If the portal receives an external message to route to a device (e.g. an email reply from a device text message), then this column will display the sender's email address.

Message Type

The type of the message sent to the device.

Message Text

This is normally body text of the message for text messages. In some cases it contains additional information about the message. Messages can be sent to the device in a number of ways. Typically, this is done through the

Compose page. However, messages can be sent from another device, in reply to an email message or from an SMS device. In all cases, any messages routed through the portal will appear on this page. For some devices the portal may automatically respond to emergency, power up and test messages that are initiated on the device. In these cases a record of the message sent to the device will appear here.

To view earlier messages, use the paging buttons at the bottom of the grid. You may view up to a maximum of 1000 messages.

The messages in your sent list can be exported to Excel, in CSV format, by using the 'Export To Excel' link at the bottom of the page.

Time Sent	Sender	Message Type	Message
28/02/2012 14:58:34	SERVER	Synchronise	The following settings were changed: Cannot Messages
09/01/2012 09:09:50	SERVER	Portal Status Message	

Figure 12 Messages to the Device

6. Address Book

The Address Book page provides you with a view of the address book associated with the selected device.

Address book entries are grouped into Distribution Lists. Each Distribution List can contain multiple entries and each entry can be an email address, a mobile telephone number for SMS

messages (if enabled for your account), or links to your Twitter or Facebook accounts.

Rules can be created so that a Distribution List is notified automatically when some event occurs with the device. For example, when your device sends its position or when it crosses a geofence.



Figure 13 Address Book with several Distribution Lists and Rules

To add an entry to a distribution list click the “Add a New Distribution List” link. Simply give your Distribution List a name and click the “Add List” button.



Figure 14 Create Distribution List screen

To create a new address book entry, click the “Add a new entry” link under the Distribution List you want to add an entry to. The fields on the **Create Address Book** entry page, shown in Figure 15, have the following meaning:

Distribution List

The name of the Distribution List the entry will be created in.

Type

The type of address book destination. This is most typically set to “Email”. Other options are available including SMS (if enabled for your account), Facebook and Twitter. For more information about posting messages to Twitter and Facebook, see the User Profile section.

Address

The email address (for an email recipient) or a telephone number (for SMS messages). If Facebook or Twitter is selected, then this field is not displayed.

The screenshot displays the 'Create Address Book Entry' interface. At the top left is the BEAM logo. The main heading is 'Create Address Book Entry' with a sub-heading 'Device: My Device'. Below this, a message states: 'Enter the new address book entry details, then click the Add Entry button.' The form contains three rows: 'Distribution List' with a dropdown menu showing 'PositionReports'; 'Type' with a dropdown menu showing 'Email'; and 'Address' with an empty text input field. At the bottom of the form are two buttons: 'Add Entry' and 'Cancel'. On the right side, there is a sidebar titled 'RST430 Sample' containing a list of navigation items: Map, Inbox, Address Book, Geofence, My Device, User Profile, Help, and Admin. The top of the page shows a user profile area with the text 'Welcome dave@beamcommunications.com' and a 'Logout' link, and a 'Select Device' dropdown menu currently set to 'RST430 Sample'.

Figure 15 Create Address Book Entry screen

6.1 Rules

Once you have created a Distribution List you can create a rule to alert a Distribution List when something happens. Simply click the “Add a new rule” link. The fields on the Add Rule page have the following meaning.

When: The event that triggers a notification. For example when the device crosses a geofence, or when it reports its position.

Send a message to this Distribution List: The Distribution List that should be notified when the event occurs.

The screenshot shows the 'Add rule for my device' interface. At the top left is the BEAM logo. The top right shows a user profile 'dave@opagnel@beamcommunications.com' and a 'Select Device: RST430 Sample' dropdown. The main content area is titled 'Add rule for my device' and contains the following elements:

- A heading: 'Add rule for my device' with a help icon.
- Instructional text: 'Here you can create a rule to notify a Distribution List when an event happens on your phone. See help for more details.'
- A 'When' dropdown menu with the text '-- Please select --'.
- A 'Send a message to this Distribution List' dropdown menu with the text '-- Please select --'.
- Buttons: 'Add Entry' and 'Cancel'.

On the right side, there is a sidebar menu for the selected device 'RST430 Sample' with the following items:

- Map
- Inbox
- Address Book
- Geofence
- My Device
- User Profile
- Help
- Admin

Figure 16 Create Rule screen

7. Canned Messages

The Canned Messages page displays the currently configured canned messages for the selected device. Each device may store up to 30 canned messages, 15 of which are user defined; the other 15 messages are pre-set for the device by your service provider or administrator.

To edit the canned message text:

1. Click "Edit" on the appropriate grid row. The grid row will switch into edit mode.
2. Change the message text. To save changes, click "Save". To cancel changes, click "Cancel".
3. The new canned message text will then be sent to the device.

The screenshot shows the BEAM interface for managing canned messages. The top navigation bar includes the BEAM logo, a user profile for 'dev@beaconpage@beaconcommunications.com', and a 'Logout' button. Below the navigation bar, the page title is 'Canned Messages: Ankit test'. The main content area is divided into two columns: 'Preset Messages' and 'User Messages'. The 'Preset Messages' column contains a table with the following rows:

Message
Yes
No
I'm ok
I'm need help
Hello
Goodbye
Thank you

The 'User Messages' column contains a table with 15 rows, each with an 'EMPTY' message and an 'Edit' button (represented by a pencil icon).

On the right side of the screen, there is a sidebar menu for the device 'Ankit test' with the following items: Map, Inbox, Address Book, Canned Messages (highlighted), Geofence, My Device, User Profile, Help, and Admin.

Figure 17 Canned Messages Screen

8. Compose Message

You may send a text message to a device from the Compose Message page as shown in Figure 18. Simply type your message in the “Message” box and click “Send Message”.

The number of allowable characters remaining appears below the “Message” and is updated as you type. You also have the option to send a copy of the message to yourself (the email

address with which you logged in). Depending on device type, you may also be able to request an acknowledgement from the device.

If you have access to more than one device, you can send your message to multiple devices by clicking on the “To” button. Then simply click on the check box next to the additional devices you wish to send your message to. (Note: Users

with access to only one device, the “To” button will appear as normal text.)

Note: Different devices support different message lengths, thus in order to ensure your entire message is delivered, it is suggested your message is 160 characters or less.

The screenshot shows the BEAM Tracking Portal interface for composing a message to a device. The page title is "Compose message to device: My Device". The "From" field is set to "support@globalalerting.com". The "To" field is set to "My Device". The "Message" field is empty, and the character count below it shows "974 characters remaining". There are two checkboxes: "Send a copy of this message to support@globalalerting.com" and "Request acknowledgement from device when message is received". A "Send Message" button is at the bottom. On the right, there is a sidebar titled "All Devices" with a list of navigation options: Map, Inbox, Address Book, Canned Messages, Geofence, My Device, User Profile, Help, and Admin.

Figure 18 Composing a text message

9. Geofence

A geofence is a virtual perimeter around a real world geographic area. The Geofence page may be used to set up a geofence for your device. Once a geofence is configured on the portal, the user is notified whenever the geofence is crossed. Geofence traversal is monitored by the platform for all devices (except Iridium Extreme devices).

Two types of geofence are supported; circular, where the fenced-in area is a circle, or polygon, where the fenced in area is defined by a line joining up to 8 separate coordinates. In addition, users may opt to use predefined geofences which can be configured by an administrator. To begin, click the link to “Create Circular Geofence” or “Create Polygon Geofence”.

Circular Geofence

To create a circular geofence, first double-click the left mouse button to place centre point of the circle. Then, double click the left mouse button again to confirm the radius of the circle. Clicking the right button will clear the geofence and allow you to begin again. The centre point and radius can be adjusted by clicking and dragging the pushpins.

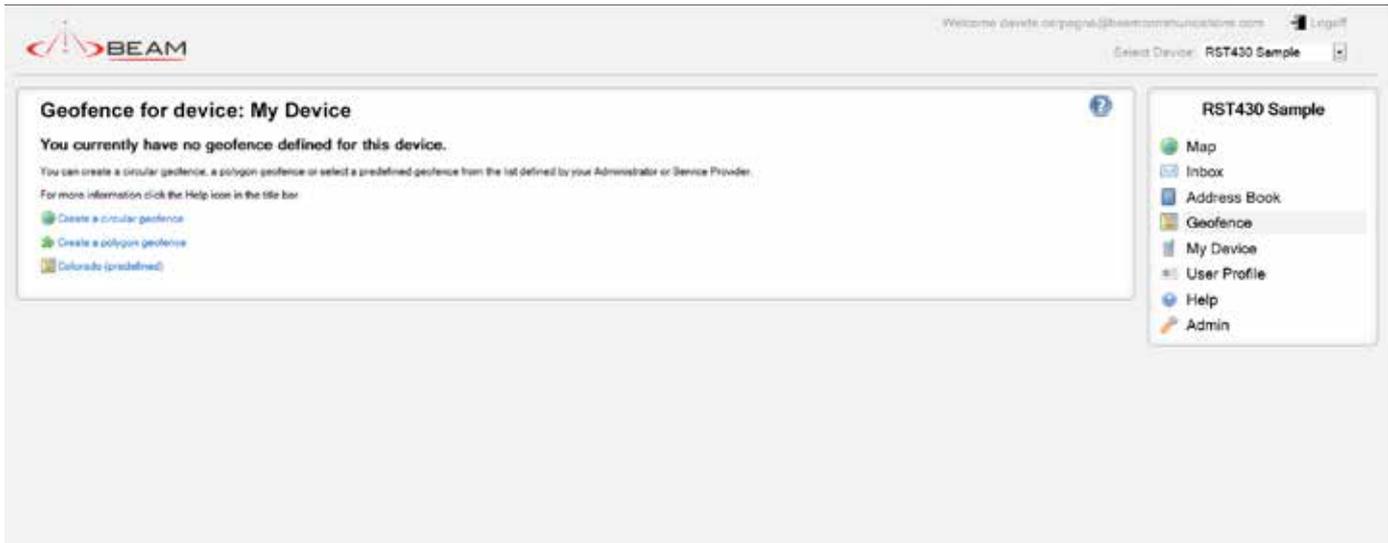


Figure 19 Geofence screen with no associated geofence.

Polygon Geofence

To create a polygon geofence, double-click the left mouse button to place each point of the polygon. A maximum of eight points can be placed on the map. Clicking the right button will clear the geofence and allow you to begin again. Any of the vertices can be re-positioned by clicking and dragging the numbered pushpin. Please note that you are not permitted to save a polygon geofence that has intersecting lines.

Fence Width

If the user is alerted they have crossed the geofence, they must move a minimum of this distance back to be considered to have crossed back. For example, if the fence width is set to 50 meters, and you cross out of the geofence, you must move at least 50 meters back from the fence to be considered to have crossed back in. (Please see the device specific appendix at the end for more information on geofences.)

Once a geofence has been created, it will be shown on a map. To see the details of the geofence, hover over the text "Geofence Settings" in the box in the upper right corner of the map (See Figure 20).

To delete the geofence click the link "Delete this Geofence" in the same box.

Note that only one geofence may be active on a device at a time.

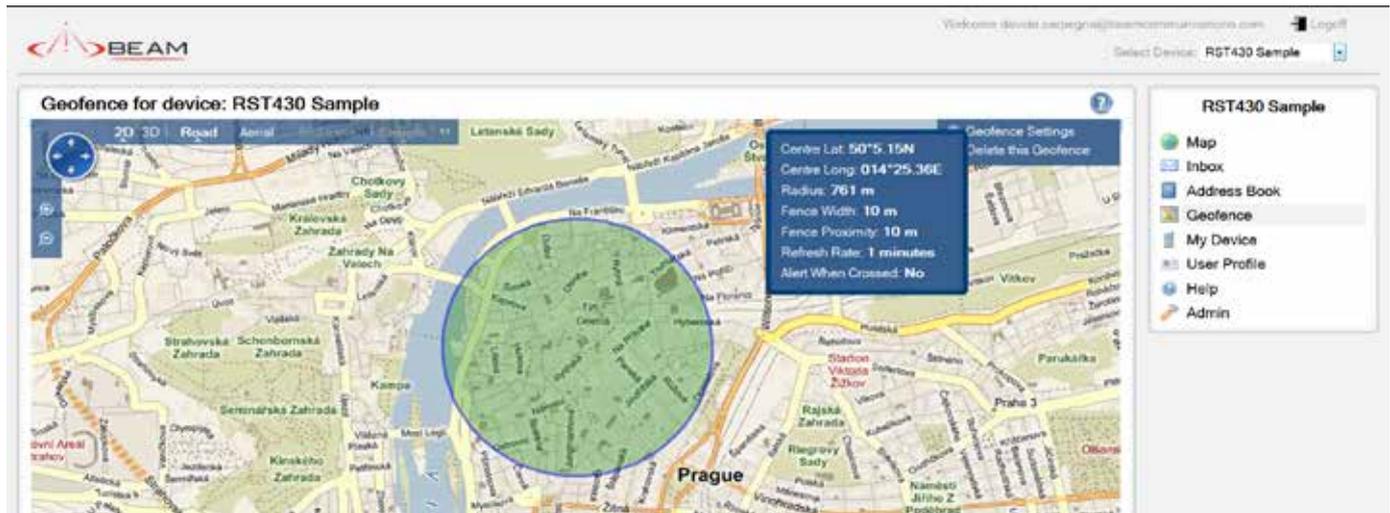
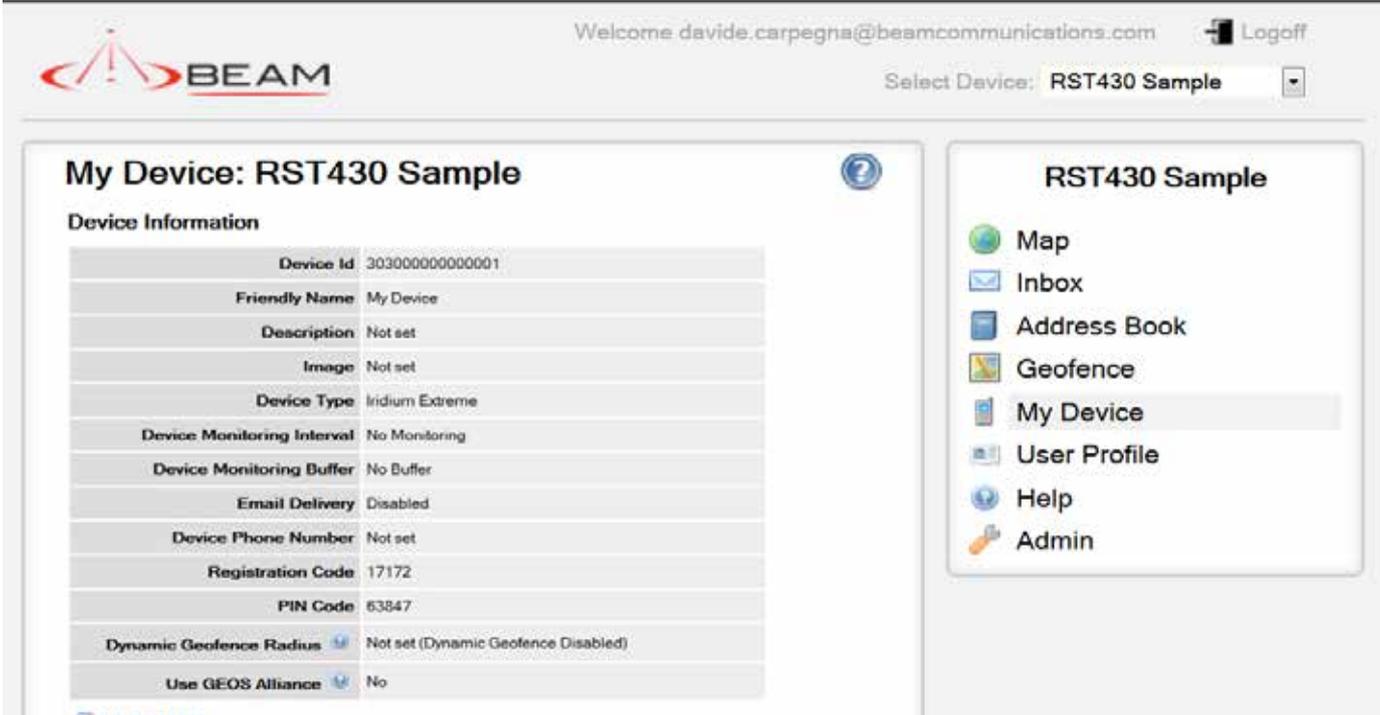


Figure 20 Geofence screen with associated circular geofence

10. My Device

The My Device page is split into several sections. Please note that the contents of this page will vary greatly depending on your device type and

portal version. Below, we have attempted to describe all fields that you may see on this page. You should not expect to see all fields or even all the sections described below.



Welcome davide.carpegna@beamcommunications.com [Logoff](#)

Select Device: **RST430 Sample**

My Device: RST430 Sample

Device Information

Device Id	303000000000001
Friendly Name	My Device
Description	Not set
Image	Not set
Device Type	Iridium Extreme
Device Monitoring Interval	No Monitoring
Device Monitoring Buffer	No Buffer
Email Delivery	Disabled
Device Phone Number	Not set
Registration Code	17172
PIN Code	63847
Dynamic Geofence Radius	Not set (Dynamic Geofence Disabled)
Use GEOS Alliance	No

RST430 Sample

- Map
- Inbox
- Address Book
- Geofence
- My Device**
- User Profile
- Help
- Admin

Figure 21 My Device Screen showing ALL options

10.1. Device Information

The Device Information section displays important information about your device.

Device Id

This is normally the devices IMEI (International Mobile Equipment Identity) number, but can also be a different identifier that uniquely identifies the device.

Friendly Name

The name used to refer to the device on the portal. If no friendly name exists for the device, the IMEI number will appear instead. You may edit this name by selecting the “Edit” icon.

Description

The user entered description of the device.

Image

A user uploaded image of their device.

Device Type

The type of device currently being viewed.

Device Monitoring Interval – If enabled, devices may be monitored by BEAM Web Portal. The monitoring interval may be set here. A rule can be created on the Address Book page to notify a distribution list when a device becomes overdue.

Device Monitoring Buffer

The Monitoring Buffer is a set period of time that BEAM Web Portal will wait after the

Monitoring Interval is exhausted before marking a device overdue.

Email Delivery

Users can opt to receive email directly on their device. Once this feature had been enabled for a device the email address will show here.

This feature is not enabled by default and must be turned on here before email can be sent directly to the device. Note that only the first 160 characters of the email will be sent to the device.

Device Phone Number

The device phone number provided on the SIM card (optional). You may edit this name by selecting the “Edit” icon. If entered, this number is sent to GEOS in the event of an emergency.

Registration Code

The code number, created on the device, which must be entered during the registration process.

PIN Code

The code number from the portal that must be entered into the device to indicate that the device is registered with the portal.

Dynamic Geofence Radius

A Dynamic Geofence can be used to alert you if the device has moved too far since its last position. When a Dynamic Geofence has been set up for a device, a circular region is created around the device’s last position with

the selected radius. The next time the device reports its position, if it is outside of the region it is considered to have crossed its geofence. On the Address Book page, you can set up a rule to alert you if this geofence is crossed.

Use GEOS Alliance

This option is only available to users of Iridium Extreme devices. Users of this device can register with GEOS Alliance and have their emergency message sent directly to GEOS. Please note that you must register the device with GEOS before using this feature.

10.2. Latest Position Information

The Latest Position Information section contains information about the last time your device reported its position to the portal.

Last Reported On

This is the time that the device last reported its position.

Last Reported Position

Last reported position of the device.

Request Device Identifier

The My Devices page includes a means to request the device identifier. The device identifier is the value stored in the first "My Number" slot on the device's SIM card, normally the device's phone number. Pressing the "Request Device Identifier" button will send a message to the device (visible on the "Sent Messages" page) requesting it send a response message containing the device identifier. The response message will appear on the "Inbox" screen.

Request Device Diagnostics

The "Request Device Diagnostics" feature works the same as the "Request Device Identifier" feature, except the response message will include diagnostic information for the device. Diagnostic information returned will include battery voltage, charger status, accumulator range, visible

satellites, firmware version and hardware version. This information can be useful when diagnosing a fault with your service provider.

Request Device Location

The "Request Device Location" feature works the same as the "Request Device Identifier" feature, except the response message will include the device's current location.

Manual Check In

This option creates a check in message for the device so that the device is not considered overdue. The purpose of this option is to allow an administrator to check in the device when the user of the device is otherwise unable to. (For example, if a user's device runs out of battery and the user instead calls into the portal administrator.)

10.3. Device Configuration

Device Configuration is data that is stored on the device, and is normally edited on the device. However, you can remotely update your device by using this page and sending the settings to the device.

It is important to note that the information displayed on this screen is only sent to the device when the device is first switched on. When the portal receives a switch-on message from the

device, it automatically sends the changed configuration. Thus, if you update the information here, the changes will not be displayed on the portal until the device is re-started and a new switch-on message has been received.

It is also important to note that if the device is not turned on, it will not receive the updated configuration settings until it is turned back on.

10.4. Check-In Schedule

Check-in schedules can be used to specify times when a device must check in. A device that hasn't reported according to its schedule will be marked overdue, and an alert will be sent to all users in the "Check In Schedule" address book list. Users can either define their own check in schedule or use one created by an administrator. Users can create a schedule based on "Selected Times" or "Intervals". For selected times, the user need only specify the times that a device must check in. For intervals, the user must specify the start and end time in addition to the interval. The "Buffer Period" is the time before or after the check in time that the user may send a message to the portal.

My Device: RST430 Sample

Create Check In Schedule

Enter the new check in schedule details, then click the Add Check In Schedule button.

Name	<input type="text"/>
Time Zone	(UTC) Dublin, Edinburgh, Lisbon, London 
Buffer Period (Minutes)	<input type="text"/>
Selected Days	<input checked="" type="checkbox"/> Sunday <input checked="" type="checkbox"/> Monday <input checked="" type="checkbox"/> Tuesday <input checked="" type="checkbox"/> Wednesday <input checked="" type="checkbox"/> Thursday <input checked="" type="checkbox"/> Friday <input checked="" type="checkbox"/> Saturday
Schedule Type	Intervals 
Interval	-- Please select -- 
Start Time	-- Please select -- 
End Time	-- Please select -- 

or [Cancel](#)

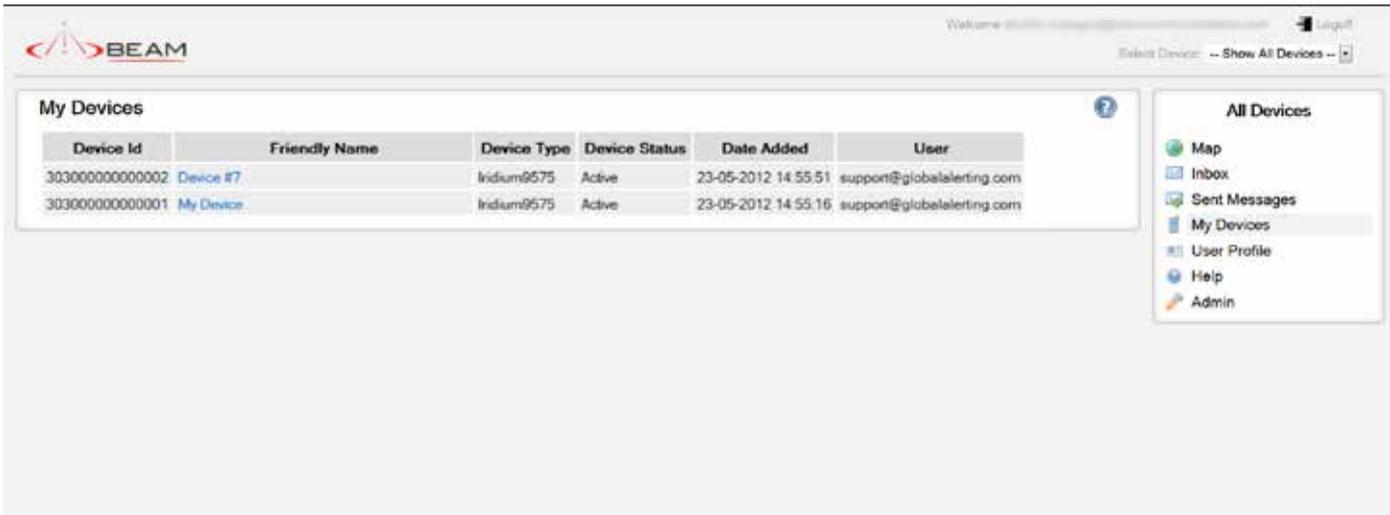
RST430 Sample

-  Map
-  Inbox
-  Address Book
-  Geofence
-  My Device
-  User Profile
-  Help
-  Admin

Figure 22 Create Check In Schedule Screen

10.5. My Devices

The My Devices page is only visible to users with access to more than one device. This page shows a list of devices accessible to the currently logged in user, as well as the friendly name for that device. The page gives a quick view into all the devices visible to the logged in user. Clicking on the friendly name of a device will select that device and navigate the user to the My Device page for the device.



BEAM

Welcome [username] [email] Logout

Select Device: -- Show All Devices --

My Devices

Device Id	Friendly Name	Device Type	Device Status	Date Added	User
3030000000000002	Device #7	Iridium9575	Active	23-05-2012 14:55:51	support@globalalerting.com
3030000000000001	My Device	Iridium9575	Active	23-05-2012 14:55:16	support@globalalerting.com

All Devices

- Map
- Inbox
- Sent Messages
- My Devices**
- User Profile
- Help
- Admin

Figure 23 My Devices Screen

11. User Profile

The User Profile page includes information relating to the current logged in user. This contact information will be included in the

emergency email messages in the event of an alert being received by a device.

The screenshot displays the BEAM user interface. At the top left is the BEAM logo. The top right shows a welcome message for 'davide.carpegna@beamcommunications.com' and a 'Logoff' button. Below the logo, the user profile is titled 'User Profile: davide.carpegna@beamcommunications.com'. There are three tabs: 'User Profile' (selected), 'Emergency Contact', and 'External Services'. The profile form contains the following fields:

User Id	8762BC73-CE67-40AE-93F3-72A1C7AA77CE
First Name	Text
Last Name	Text
Gender	<input checked="" type="radio"/> Male <input type="radio"/> Female
Country	-- Please select --
Address	
Town/City	
State/Region	
Zip/Postal Code	
Daytime Telephone	
Evening Telephone	
Mobile	
Time Zone	(UTC) Dublin, Edinburgh, Lisbon, London
Culture	English (United Kingdom)
Map Type	Google Maps
Password	Change Your Password
Security Question and Answer	Change Your Security Question and Answer

At the bottom left of the form is a 'Save Changes' button. On the right side, there is a sidebar menu titled 'RST430 Sample' with the following items: Map, Inbox, Address Book, Geofence, My Device, User Profile (highlighted), Help, and Admin.

Figure 24 User Profile Screen

11.1. User Profile

Name, address and phone numbers (daytime, evening, mobile) of the device holder.

Time Zone

When specified, the time displayed on portal pages is converted from UTC to time zone selected here.

Culture

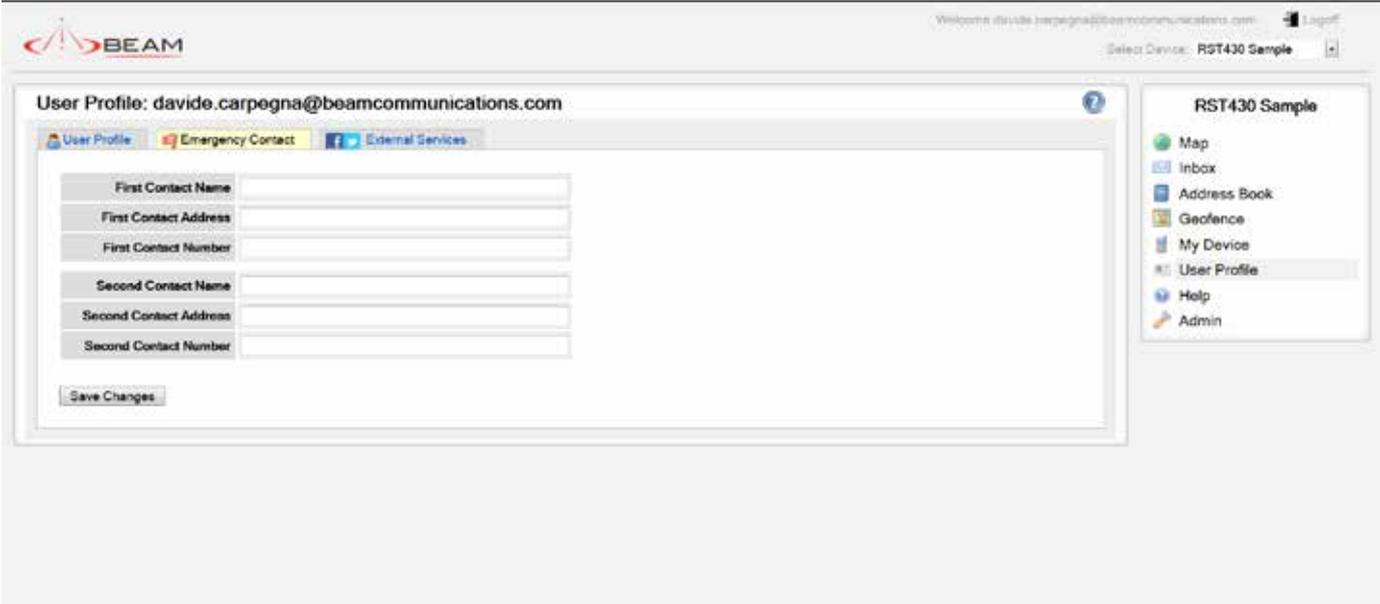
Specifies the format date and time display to be displayed.

Password, Security Question and Answer

A user can change their password, security question and security answer with these options.

11.2. Emergency Contact Information

The information specified in this section will be included in the emergency email messages in the event of an alert being received by a device. Please note that if you add the GEOS emergency call centre address, this information is not sent to GEOS.



The screenshot shows a web interface for a user profile. At the top left is the BEAM logo. The top right shows a welcome message for 'davide.carpegna@beamcommunications.com' and a 'Logout' button. Below this, it says 'Selected Device: RST430 Sample'. The main content area is titled 'User Profile: davide.carpegna@beamcommunications.com' and has a help icon. There are three tabs: 'User Profile' (selected), 'Emergency Contact', and 'External Services'. The 'Emergency Contact' tab is active, showing a form with six input fields: 'First Contact Name', 'First Contact Address', 'First Contact Number', 'Second Contact Name', 'Second Contact Address', and 'Second Contact Number'. A 'Save Changes' button is at the bottom of the form. On the right side, there is a sidebar menu titled 'RST430 Sample' with options: 'Map', 'Inbox', 'Address Book', 'Geofence', 'My Device', 'User Profile' (selected), 'Help', and 'Admin'.

Figure 25 Emergency Contact Screen

11.3. External Services

You may authorize the portal to post status updates to your Facebook account or tweet to your Twitter account from this page. Simply click the appropriate link for Facebook or Twitter and you will be re-directed to the Facebook or Twitter site where you can sign in and authorize BEAM Web Portal to post on your behalf. Once you have authorized Facebook or Twitter, you may add it to a Distribution List in your Address Book. Any future messages sent from your device to that Distribution List will now also post the message to your Facebook or Twitter account. Please note that the process of redirecting you to Facebook or Twitter is to ensure that the connection is secure. At no time does BEAM Web Portal record or store your credentials for Facebook or Twitter. You can deactivate the links at any time from the portal or the social network sites.



Figure 26 Facebook & Twitter Authentication Screen

facebook

[Sign Up](#)

Facebook helps you connect and share with the people in your life.

Facebook Login

Log in to use your Facebook account with Global Alerting Platform.

Email:

Password:

Keep me logged in

[Login](#) or [Sign up for Facebook](#)

[Forgot your password?](#)

[English \(UK\)](#) [Cymraeg](#) [English \(US\)](#) [Español](#) [Português \(Brasil\)](#) [Français \(France\)](#) [Deutsch](#) [Italiano](#) [العربية](#) [हिन्दी](#) =>

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Figure 27 Facebook Login Screen



An application would like to connect to your account

The application **Global Alerting Platform** by AWS would like the ability to **access and update** your data on Twitter. Not using Twitter? [Sign up and Join the Conversation!](#)

Username or Email:

Password:

Deny

Allow

By clicking "Allow" you continue to operate under Twitter's [Terms of Service](#). In particular, some usage information will be shared back with Twitter. For more, see our [Privacy Policy](#).

Twitter takes your privacy very seriously.

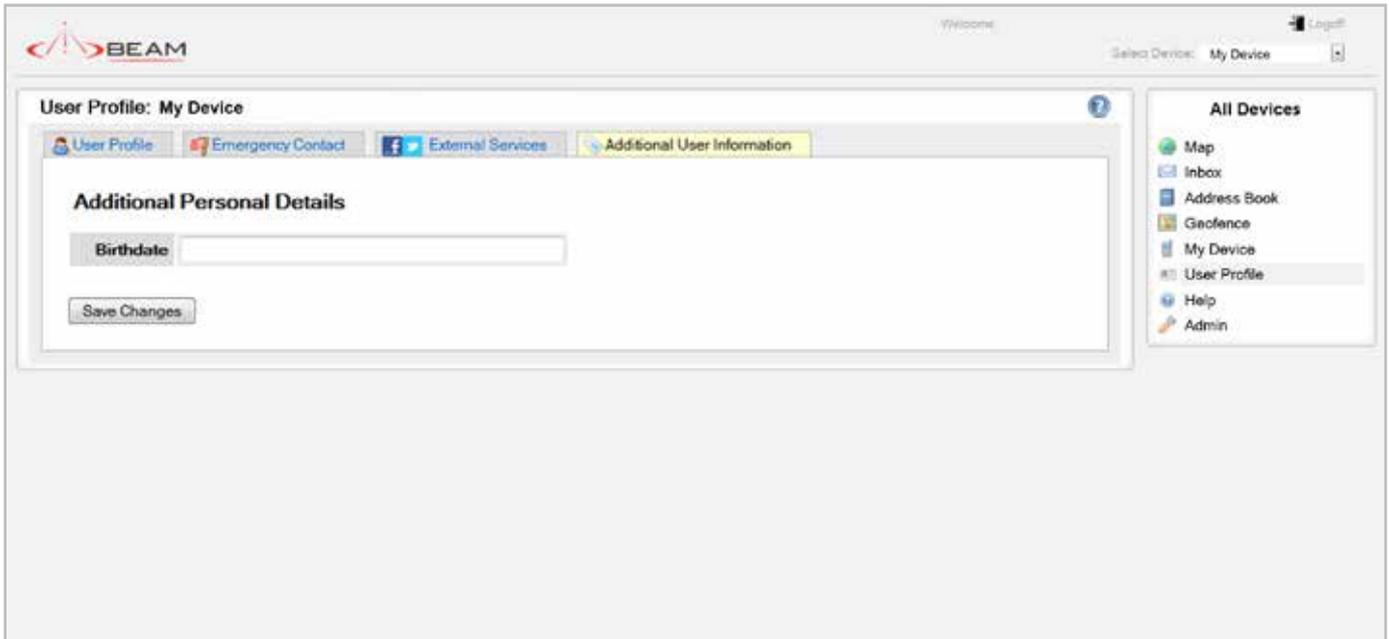
Only click "Allow" for applications you trust. Allowing this application to connect to your account may give Global Alerting Platform access to your Direct Messages (DMs), or the ability to Tweet on your behalf.

You may revoke access to this application at any time by visiting your Settings page.

Figure 28 Twitter Authentication Screen

11.4. Additional User Information

Your service provider may add fields for additional information that can be filled in about a user. This information may be shared with first responders and search and rescue organizations in the event of an emergency.



The screenshot displays the BEAM user interface. At the top left is the BEAM logo. The top right shows the user's name 'WWilliams' and a 'Logout' button. Below this, it indicates 'Selected Device: My Device'. The main content area is titled 'User Profile: My Device' and contains a navigation bar with tabs for 'User Profile', 'Emergency Contact', 'External Services', and 'Additional User Information' (which is highlighted). Under the 'Additional User Information' tab, there is a section titled 'Additional Personal Details' containing a 'Birthdate' text input field and a 'Save Changes' button. On the right side, there is a sidebar titled 'All Devices' with a list of menu items: Map, Inbox, Address Book, Geofence, My Device, User Profile (highlighted), Help, and Admin.

Figure 29 Additional User Information Screen

12. Appendix

Device Specific Information

12.1. Iridium Extreme™

Registering Your Device

When registering with the portal on your device via the *#575# command, you will be prompted to enter a PIN number from the portal. This number can be found on the My Device page in the Device Information section

Unregistering Your Device

To unregister your device, from the idle screen, dial: *#576# and press the green key. Under these circumstances, messages from the handset will no longer be sent to the portal. Please note that you may still be charged by your service provider. Please contact your service provider for more information.

Address Book

Please refer to Iridium Extreme User Manual, Chapter "8: Using the Phonebooks" (page 75) to add a distribution list to your device phonebook. In simple terms, create a new entry to "My Phonebook" then enter your Address Book Distribution name in the email field. For example, when you have an Address Book distribution list called "Friends", use the word "Friends" in the email address field on the device.

Canned Messages

If you edit a canned message, the system will attempt to send synchronise the changes with your device. If the update does not succeed, for example, your device is switched off, then the next time your device is switched on, the system will synchronise all canned messages. If you have access to more than one device, you will be given the option to change canned messages for the selected device, or all your devices.

Geofences

When using a geofence with an Iridium Extreme device, the geofence coordinates are sent to the device from the portal. The device then monitors its position internally and sends a message to the portal when the geofence has been traversed. The device also alerts the user on the device screen by means of an audible beep and an icon.

When creating a geofence, you will be prompted to enter the following additional information:

- **Refresh Rate in Minutes** – How often the Iridium Extreme™ device should check to see if it has crossed the geofence. This minimum value is 1 minute.
- **Send Message to Portal When Crossed** – If checked, a message will be sent to the portal when the device crosses the geofence. If left unchecked, no message will be sent to the portal when the device crosses the geofence.

Note that the device itself will always notify the user when the geofence is crossed.

12.2. Shout Nano™

Address Book

After editing your address book, you will need to synchronize the portal with your Shout device. To do this, download the Synchronisation tool. The Shout device has no features for adding or editing its address book. Therefore, you must synchronize. If you do not, then you will not be able to select a recipient and you will not be able to send text messages. Also, if you edit an address book entry and do not re-synchronize, then the portal will send the message to latest entries you created and not necessarily the intended recipient displayed on the device.

Canned Messages

After editing your canned messages, you will need to synchronise the portal with your Shout device. To do this, download the Synchronisation tool. The Shout device has no features for adding or editing canned messages. Therefore, you must synchronize. If you do not, then you will not be able to select a canned message and will have to type the message in full on the device. Also, if you edit a canned message and do not re-synchronize, then the portal will send the latest version you created and not necessarily the intended text displayed on the device.

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