

# GeoKeeper™

## GeoWeb Website Guide



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## INTRODUCTORY INFORMATION

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The GeoWeb is a website pages uses for managing GeoSKeeper devices and users.

From this site you can:

- View GeoSKeeper location on the map
- Request current location(s) of GeoSKeeper
- Get direction to GeoSKeeper
- View all events history of GeoSKeeper
- Setup GeoSKeeper configuration
- Manage group of GeoSKeeper

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## CONVENTIONS

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This guide uses the following conventions to convey instructions and information:



A NOTE calls for attention to an important item in the text.

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## COPYRIGHT NOTICE

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### **Aerotel Medical Systems (1998) Ltd.**

5 Hazoref St.

Holon 58856, Israel

Fax: +972-3-5596111

E-mail: [Info@aerotel.com](mailto:info@aerotel.com)

Web: [www.aerotel.com](http://www.aerotel.com)

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## GEOWEB LOGIN

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Access the GeoWeb website: <http://skeeper.aerotel.com>



Select:

The GeoWeb Login window is displayed as shown below:



The actual website may appear different than the pictures in this document, depending on your service provider.

1. Select **Language** from the upper left list.
2. Enter your user name and password as received from your provider upon purchase.
3. Click the **Login** button.
4. The main page will open.



If your GeoSKeeper unit was not yet defined or set in the system, the **Connection Test** window will open. See [Connection Test](#) on page 43 and follow the setup procedure.

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## GROUP LOGIN

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GeoSKeeper users can be grouped and monitored by the GeoWeb at the same time. Your system administrator may join users to a Group. The Group has Nickname, user name and password to login the GeoWeb.

All the GeoWeb functions for Group are identical to single user unless stated in the description.

# GEOWEB MAIN PAGE

The screenshot shows the GeoWeb main page interface. At the top, the page title is "GPS Location" and the user's location is "Simpson Richard 805929 +15192372670 [Logout]". Below this is a menu bar with options: "Locate/Track", "Directions", "History", and "Setup". A submenu is visible under "Locate/Track", showing "Locate now" and "Track on current page every 10 Minutes" with a "Go" button. The main area is a map of the Philadelphia region, with a "Loading Data..." box overlaid. Below the map is a table with the following data:

E/C	Name	Address	Date/Time	Battery	Course	Speed (Km/h)	Status
*	Simpson Richard 805929	431 Hopenell Rd, Downingtown, PA 19335, USA	11:24:00 23/12/11			0	

At the bottom of the page, there is a "Legend" section and a footer with "Print Page | Legend | v1.003".

Callout boxes identify the following features:

- User Info
- Menu Bar
- Submenu
- Map
- Locations List
- Legend

**User Info:**

Displays the Last name, First name and Phone number of the user.

**Menu Bar:**

Select from four main functions:

- [Locate/Track](#)
- [Directions](#)
- [History](#)
- [Setup](#)

**Submenu:**

Changes according to the selected top menu from the menu bar.

**Map:**

Displays location(s) on the map (Google maps).

**Locations List:**

List of GeoSKeeper locations sorted by date&time.

**Legend:**

Clicking on the this link will open a new window with description of all symbols and icons on the GeoWeb.



Depending on system administrator settings, not all the functions described below will be active or displayed.

## LOCATE/TRACK

Locate now  
 Track on current page every  Minutes

Continuous tracking enabled ...

Map | Satellite | Hybrid

E/C	Name	Address	Date/Time	Battery	Course	Speed (Kmh)	Status
▶		6365-6417 Avenue Lennox, Montreal, QC H3S 1J3, Canada	15:16:46 11/01/12			0	

Upon logging in, the Locations List table shows a single row with one location. This will always be the last location acquired by the GeoKeeper and displayed on the map.

As long as this page stays open – additional locations will be added (up to 10 last locations). If the page is closed and re-opened – one will again see one row with only one last location in it.

Clicking on any location row will open call out message window on the map pointing the location. The message includes all the location

details (last name, first name, date&time, address, GPS coordinates, speed and battery status).

When logging in as Group, the Locations List table shows lines with all Group members names and last locations. The last locations of all Group members are displayed on the map at the same time.

Click on **Locate/Track** in the top menu to open a list of all Group members. Use checkboxes to select which members you want to monitor.

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## LOCATIONS LIST

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Following is a description of the fields in the Locations List table:

**E/C** column – Expand or Collapse lines. If the line is collapsed, only the last location will be displayed on the map. If the line is expanded, then all locations (up to ten) will be displayed on the map with yellow flags. Clicking on one of the lines, will open call out message window on the map pointing the location. The message includes all the location details.

**Name** column – For a single user, the last and first name of the user will be shown. If accessing as a Group – then there will be different names shown in each line for every group member.

**Address** column – Full address or location coordinates. Pointing with the mouse on the address area will open a yellow tooltip with location coordinates.

**Date/Time** column – Date and time of the location. The date & time are according to the time zone of the computer that views the page.

**Battery** column – Battery level of the GeoSKeeper. There are 5 levels of battery status: 100%, 75%, 50%, 25%, 0%. The various battery conditions have matching battery symbols. Pointing with the mouse on the battery symbol will open a yellow tooltip displaying the status of

the battery in percentages. If the charger was plugged into the GeoKeeper, a charging symbol  will be displayed on the battery column.

**Course** column – Displays an arrow with the direction of movement the GeoKeeper. Pointing with the mouse on the Course symbol will open a yellow tooltip with accurate direction in degrees.

If the GeoKeeper is not moving, the symbol will be .

**Speed (Km/h)** column - Displays the speed of the GeoKeeper. If the GeoKeeper is not moving, the value will be zero.

**Status** column - Displays the location in relation to the Polygons (if Polygons have been defined).

 Out of Polygon

 In Polygon

 No Polygons

Pointing with the mouse on the icon will open a yellow tooltip with details about the status (In/Out) and the Polygon's name.

---

## MAP

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Locations are displayed on Google Maps window. For Google Maps the standard map tools can be used:

	Pan
	Zoom
	Search the map
	View selection (Map, Satellite, Hybrid)

In addition, there are 5 more tools in the GeoWeb.

	Markers connected / Markers disconnected. Use to enable line connections on the map between multiple locations.
	Display messages. Opens the system's messages. If the icon is blinking in red then there are new messages.
	Full screen mode. Enlarge the map frame to full screen.
	Enable/Disable zoom&pan. If enabled, clicking on location will pan and zoom the map to the selected location.
	Show/Hide Polygon. Show or hide the Polygons on the map.

---

## LOCATE NOW

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For finding the current single location, select **Locate now** and click on **Go** button. The system will send a command (via SMS) to the GeoSKeeper to send back its current location.

Allow about 3-4 minutes for the GeoSKeeper to acquire GPS fix and send it. The location will be added to the locations table.

If the GeoSKeeper fails to acquire a GPS fix, it will send a message to the GeoWeb. Follow the messages icon on the GeoWeb for incoming messages.

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## TRACK ON CURRENT PAGE EVERY N MINUTES

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For continuous tracking, select *Track on current page* and use the drop down box to select tracking interval in minutes (1-60). Click on **Go** button. The system will send a command (via SMS) to the GeoSKeeper to send back its location every n minutes.

The continuous tracking is active until (whatever comes first):

1. The page is closed.
2. 1 hour timeout.
3. The GeoSKeeper has been turned off.



If the GeoSKeeper unit is already in continuous tracking mode, a “Continuous tracking enabled ...” message will be displayed under the submenu in RED.

The tracking interval can be changed using this selection for a limited time as described above.

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## **SAFETY BUTTON INFORMATION**

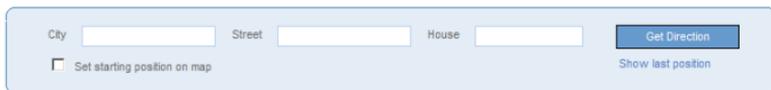
---

When pressing the Safety button on the GeoSKeeper the device sends its position to the Server with an indication informing about the Safety status.

The locaion line, in the Locations List table, will be highlighted in red.

## DIRECTIONS

---



City  Street  House  [Get Direction](#)

Set starting position on map [Show last position](#)

The purpose of this feature is to allow the operator to provide directions of how to reach the location of the GeoSKeeper user.

Enter the address of the starting position in the address fields (City, Street and House) and click on **Get Direction** button.

On the Map area you will get a list of navigation instructions from the starting position to the GeoSKeeper current location. The route will also be drawn on the map.

Alternatively, check the *Set starting position on map* checkbox. Point and click with the mouse arrow on the starting position on the map (no need to click on **Get Direction** button). On the Map area you will get a list of navigation instructions from the starting position to the GeoSKeeper location. The route will also be drawn on the map.

Clicking on **Show last position** link will center the map to the GeoSKeeper location.

When logging in as Group, click on **Direction** on the menu bar. A list of all Group members names will open. Select the member you want to get the directions to.

## HISTORY

---

<input checked="" type="radio"/> View All <input type="radio"/> By Date : From : <input type="text"/> To : <input type="text"/> <input type="radio"/> By Address : <input type="text"/> <a href="#">(Show Options)</a>	Order: <input checked="" type="radio"/> Descending <input type="radio"/> Ascending	<a href="#">get History</a> 10 Locations
---	--	---

The History feature is used to view various types of Events related to the current user. Use *More Options* to filter events type.

**View All** – View all events.

**By Date** – View events limited by dates. Enter From, or To or both.

**By Address** – View locations events for specific address. You can type in the entire address or only partial address like city name.

When login as Group, click on **History** on the menu bar. A list with all Group members names will open. Select the member whose history you want to get.

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## MORE OPTIONS

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One can set various filters in order to select the displayed events history of the GeoSKeeper.

Click **More options** to filter the type of history to be displayed. The type of the history events is displayed under the “type” column of the history report (under the Map area):

The screenshot shows a web interface for filtering event history. It features several sections:

- View All:** A radio button selected.
- By Date:** Two date input fields labeled 'From' and 'To'.
- By Address:** A text input field.
- Event Type Checkboxes:**
  - GPS:**  LOCATION,  NOGPS1,  NOGPS2,  NOGPS1E,  NOGPS2E.
  - Requests:**  LOCATE,  TRACK.
  - Device Events:**  POWERON,  POWEROFF,  LOWBAT.
  - Actions:**  DEVICESET,  GPSET,  POLYSET,  LOGIN,  CONINSET.
  - Status:**  QSMS1,  QSMS4,  QSMS8,  QGPRS,  QGPRSE.
- Order By:** A dropdown menu with 'Descending' selected and '10' locations shown.
- Buttons:** A blue 'get History' button.
- Footer:** A link '(Less Options)'.

The options are divided into 5 groups:

### GPS

Events related to GPS functionality of the GeoSKeeper unit.

LOCATION	Address or GPS coordinates
NOGPS1	Unable to get GPS fix.
NOGPS2	Unable to get GPS fix for more than 10 min.
NOGPS1E	Unable to get GPS fix during Emergency event.
NOGPS2E	Unable to get GPS fix for more than 10 min. during Emergency event.

### ***Requests***

Events related to requests that were sent from the GeoWeb to the GeoSKeeper.

LOCATE	Locate request.
TRACK	Tracking request.

### ***Device Events***

Events related to the GeoSKeeper general operation.

POWERON	Power-On.
POWEROFF	Power-Off.
LOWBAT	Battery Low.
CHRGIN	Charger plugged in.
CHRGOT	Charger plugged out.

### ***Actions***

Events of actions related to the GeoWeb/GeoSKeeper operation.

DEVICESET	Device setup performed.
GPSSSET	GPS setup performed.
POLYSET	Polygon setup performed.
LOGIN	Login to GeoWeb.
CONNSET	Connection test performed.

## Status

Events of status messages sent from the GeoSKeeper to the GeoWeb. These messages are for the system administrator.

QSMS1	Status reported via SMS, GPRS not tested.
QSMS4	Status reported via SMS, GPRS not tested due to voice call.
QSMS8	Status reported via SMS, GPRS failed.
QGPRS	Status reported via GPRS.
QGPRSE	Status reported via GPRS during Emergency event.
QSME1	Status reported via SMS, GPRS not tested during Emergency event.
QSME4	Status reported via SMS, GPRS not tested due to voice call during Emergency event.
QSME8	Status reported via SMS, GPRS failed during Emergency event.



When placing the mouse pointer on the different items – a tooltip opens explaining the function.

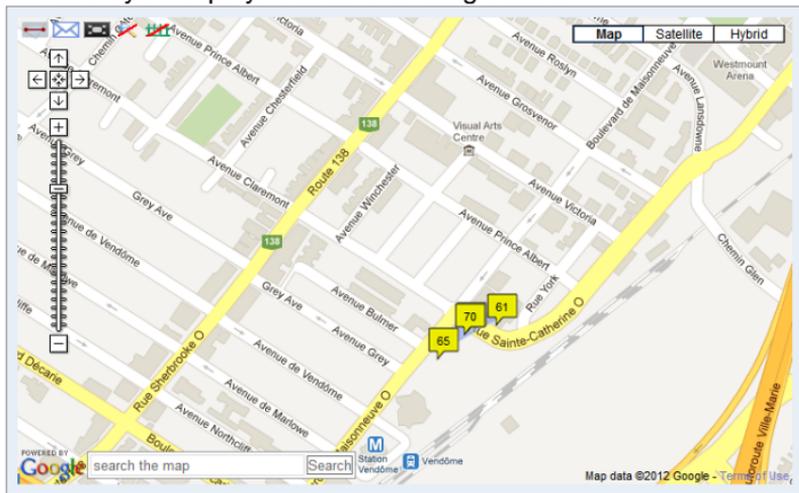
Selecting group checkbox will select all the underlying checkboxes in the corresponding column

## GETHISTORY

Before clicking on **getHistory** button note to the following 2 options:  
**Order** – Select *Descending* (newest first) or *Ascending* (oldest first) to select the chronicle order of the events.

**# of Locations** - Select from the dropdown box the number of events to display in the list per page.

The history is displayed in the following format:



Num	Type	Details	Date/Time	Battery	Course	Speed (Kmh)	Status
61	LOCATION	4999 Sainte-Catherine St W, Westmount, QC H3Z 1T3, Canada	16:36:49 19/01/12			0	
62	NOGPS2	Unable to get GPS fix for more than 10 min.	16:31:27 19/01/12				
63	NOGPS2	Unable to get GPS fix for more than 10 min.	16:18:34 19/01/12				
64	NOGPS2E	Unable to get GPS fix for more than 10 min. during Emergency event.	16:14:28 19/01/12				
65	LOCATION	5010-5040 Boulevard de Maisonneuve Ouest, Montreal, QC H4A 3S9, Canada	16:01:51 19/01/12			0	
66	DEVICESET	Device setup performed.	15:55:51 19/01/12				
67	LOCATION	4999 Sainte-Catherine St W, Westmount, QC H3Z 1T3, Canada	15:54:01 19/01/12			0	
68	QGPRS	Status reported via GPRS.	15:53:36 19/01/12				
69	CONNSET	Connection test performed.	15:52:11 19/01/12				
70	LOCATION	4999 Sainte-Catherine St W, Westmount, QC H3Z 1T3, Canada	15:47:52 19/01/12			0	

Following is description of the fields in the History List table:

**Num** column - Item number. Location item will be displayed on the map with a yellow flag and the Num printed on it. Clicking on the yellow flag will open a call out message window on the map pointing to the location. The message includes all the location details.

**Type** column – Type of history event. See [More Options](#) on page 17 for details.

**Details** column – Full address in case of Location type messages. Or, description of the message type. See [More Options](#) on page 17 for details.

Pointing with the mouse on the details area will open a yellow tooltip with more details related to this event. For example, pointing with the mouse over *Login to GeoWeb* message will open a tooltip with the IP address of the computer from where the login was made.

**Date/Time** column – Date and time of the event. The date & time are according to the time zone of the computer that views the page.

**Battery** column – Battery level of the GeoSKeeper. There are 5 levels of battery status: 100%, 75%, 50%, 25%, 0%. The various battery conditions have matching battery symbols. Pointing with the mouse on the battery icon will open a yellow tooltip showing the status of the battery in percentages. If a charger was plugged into the GeoSKeeper during the reported event, a Charging icon  will be displayed on the battery column.

**Course** column – Only for Location type messages. Displays an arrow with the direction of the GeoSKeeper. Pointing with the mouse on the Course symbol will open a yellow tooltip with accurate direction in degrees.

If the GeoSKeeper is not moving, the symbol will be .

**Speed (Km/h)** column - Only for Location type messages. Display the speed of the GeoSKeeper. If the GeoSKeeper is not moving, the value will be zero.

**Status** column - Only for Location type messages. Displays the location in relation to the Polygons (if Polygons are defined).

 Out of Polygon

 In Polygon

 No Polygons

Pointing with the mouse on the symbol will open a yellow tooltip with details about the status (In/Out) and the Polygon name.

Use *Next*  and *Previous*  buttons to scroll history pages.



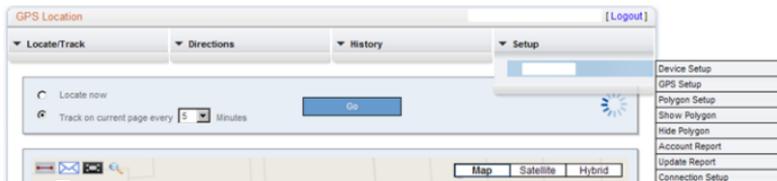
Events related to Safety condition (user pressed the Safety button) are highlighted in red.

## SETUP

---

Click on **Setup** on the menu bar, click on the user name. The following setups are available:

- Device Setup
- GPS Setup
- Polygon Setup
- Show Polygon
- Hide Polygon
- Account Report
- Update Report
- Connection Test



When logging in as Group, click on **Setup** on the menu bar. A list with all Group members names will open. Select the member you want to setup.

## DEVICE SETUP

The **Device Setup** page (new window) appears as shown below.



Aerotel  
Medical Systems



GeoKeeper™

Device Setupaerotel aerotel +972541234567

#### Center Button

Call only    SMS only    Call or SMS

Tel:  Ext:

SMS:

Enter a valid phone number (0-9, +, \* and #).

Disable

#### Left Button

Call only    SMS only    Call or SMS

Tel:  Ext:

SMS:

Enter a valid phone number (0-9, +, \* and #).

Disable



#### Right Button

Call only    SMS only    Call or SMS

Tel:  Ext:

SMS:

Enter a valid phone number (0-9, +, \* and #).

Disable

#### Safety Call Button

Tel #1:  Ext:

Tel #2:  Ext:

Tel #3:  Ext:

Tel #4:  Ext:

Enter at least one Safety Call number.

Silent mode

#### Alert Setup

<input type="checkbox"/> Enable SMS Alert on Device Safety Call:	Safety alert	Phone: <input type="text"/>
<input type="checkbox"/> Enable SMS Alert on Device Low Battery:	Low battery	Phone: <input type="text"/>
<input type="checkbox"/> Enable SMS Alert on Device Power On:	Switched on	Phone: <input type="text"/>
<input type="checkbox"/> Enable SMS Alert on Device Power Off:	Switched off	Phone: <input type="text"/>

#### Authorized Incoming Numbers

Authorized #1:

Authorized #2:

Authorized #3:

Authorized #4:

Authorized #5:

Authorized #6:

Authorized #7:

Authorized #8:

Authorized #9:

Authorized #10:

Answer authorized numbers only

#### Answering Mode

Auto answer all

Auto answer authorized numbers only

Manual answer

#### Incoming Call Indication

Ring

Silent (auto. answer auth. numbers, no ring, no speaker)

#### Sounds

Enable beeps

---

## CLEAR FIELDS

---

**Clear Fields** button to clear the displayed data.



Clearing all fields is recommended only for setting new devices.

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## SPEED DIALING BUTTONS SETTINGS

---

To configure outgoing call settings:

1. Fill in the telephone numbers in the **Tel** field. For a number with internal extension – fill in the extension number in the **Ext** field.



2. To specify that a button should make a voice call, select the radio button: **Call only**.
3. To specify that a button should send text message (SMS) only, select the radio button: **SMS only**.
4. To specify that a button should make a voice call first and then send a text message in case the voice call failed, select the radio button: **Call or SMS**.
5. To make the key unusable check the **Disable** check box.



Text messages can be received only by phones that support SMS services.

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## SAFETY CALL BUTTON SETTINGS

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Fill in the desired safety telephone numbers (up to four numbers) and the extensions (optional).

Safety Call Button

Tel #1:	<input type="text"/>	Ext:	<input type="text"/>
Tel #2:	<input type="text"/>	Ext:	<input type="text"/>
Tel #3:	<input type="text"/>	Ext:	<input type="text"/>
Tel #4:	<input type="text"/>	Ext:	<input type="text"/>

Silent mode

When Silent Mode is enabled, Safety Calls will be dialed without any sound from the GeoSKeeper. The receiving party can hear the device user.

Select the **Silent mode** check box to enable making silent safety calls.



Some service providers will not allow you to change the Safety Call button designation. In this case the **Safety Call** Button information will not be displayed.

---

## DEFINING ALERTS

---

The GeoKeeper can send preset text (SMS) alerts in various cases.

Alert Setup		
<input type="checkbox"/> Enable SMS alert on Safety Call:	<input type="text"/>	To Phone: <input type="text"/>
<input type="checkbox"/> Enable SMS alert on low battery:	<input type="text"/>	To Phone: <input type="text"/>
<input type="checkbox"/> Enable SMS alert on Power on:	<input type="text"/>	To Phone: <input type="text"/>
<input type="checkbox"/> Enable SMS alert on Power off:	<input type="text"/>	To Phone: <input type="text"/>

For the GeoKeeper to send an alert while the Safety button is pressed:

1. Select the **Enable SMS alert on Safety Call** check box.
2. Compose the text to be sent in the text field (up to 30 characters).
3. Update the destination mobile number in the **To Phone** field.

For the GeoKeeper to send an alert when the battery is low:

1. Select the **Enable SMS alert on low battery** check box.
2. Compose the text to be sent in the text field (up to 30 characters).
3. Update the destination mobile number in the **To Phone** field.

For the GeoKeeper to send an alert when turning the device on:

1. Select the **Enable SMS alert on Power on** check box.
2. Compose the text to be sent in the text field (up to 30 characters).
3. Update the destination mobile number in the **To Phone** field.

For the GeoKeeper to send an alert when turning the device off:

1. Select the **Enable SMS alert on Power off** check box.
2. Compose the text to be sent in the text field (up to 30 characters).

3. Update the destination mobile number in the **To Phone** field.

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## PRESETTING AUTHORIZED INCOMING CALLS

---

To preset authorized incoming phone numbers, select the check box **Answer authorized numbers only**. Enter up to 10 authorized numbers.

In this mode, ONLY calls from authorized numbers will be answered by the device. Calls from non-authorized numbers will be blocked without any indication on the GeoSKeeper (ring or LEDs).

To authorize any phone number to call your GeoSKeeper, verify that the check box **Answer authorized numbers only** is cleared.

Authorized Incoming Numbers

Authorized #1:

Authorized #2:

Authorized #3:

Authorized #4:

Authorized #5:

Authorized #6:

Authorized #7:

Authorized #8:

Authorized #9:

Authorized #10:

Answer authorized numbers only



The authorized numbers must be entered in complete (including prefix) for proper identification.

Make sure that the authorized numbers send their ID during dialing.

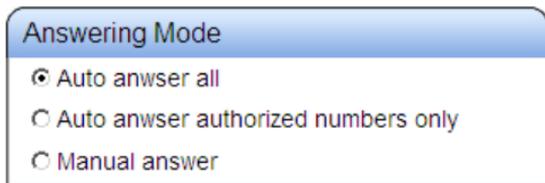
The SIM installed in the GeoSKeeper must be enabled for caller ID service.

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## ANSWERING MODE

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To preset the answering mode select the desired radio button.



- **Auto answer all** – The GeoSKeeper will answer automatically (after 2 rings) to incoming calls.
- **Auto answer authorized numbers only** – The GeoSKeeper will answer automatically (after 2 rings) to incoming calls from authorized numbers ONLY. Incoming calls from non-authorized numbers must be answered manually.
- **Manual answer** – Manual answer by answer button  to all incoming calls.

---

## INCOMING CALLS INDICATION

---

To preset the incoming call indication, select the desired radio button.

Incoming Call Indication

Ring

Silent (auto. answer auth. numbers, no ring, no speaker)



When selecting Silent, the GeoSKeeper will automatically answer an authorized number only, with no ring tone and with a muted speaker.

In this mode, at least one authorized number must be defined. See [Presetting Authorized Incoming Calls](#) on page 29.

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## SOUNDS

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Select the **Enable beeps** check box to enable sound indications.



If **Enable beeps** is not selected no beeps will be emitted by the device.

---

## UPDATE SETTINGS

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After pre-setting the desired functions, click the **Update All** button at the bottom of the page. This will update ALL the settings of the GeoSKeeper.

If only changes were made (not complete definition of all the fields), click on **Update Changes** button.



Prior to submitting configuration or changes make sure that the GeoSKeeper is turned ON and has network connection (green LED flashes every 3 seconds).

The website will send an update command (via SMS) to the GeoSKeeper and will open an update status window (new window).

The parameters that were not yet updated in the GeoSKeeper (still in updating process) will be marked by: **Update Saved, Waiting Device**.

When all updates have been completed then all the parameters should be in **Up to date** status.

You can click on **Refresh** to refresh the status table.

If after a few minutes the parameters status does not change to **Up to date**, make sure that the GeoSKeeper is turned on and has network connection (green LED flashes ONCE every 3 seconds).

You can also try turning the GeoSKeeper off and on. During power on process, the GeoSKeeper downloads parameters updates.

If all the above doesn't change the parameters status please contact your supplier.



1. When the GeoSKeeper receives an update command a beep will be heard.
2. Depending on the settings, a few updates may be sent simultaneously, generating several beep sounds.
3. Please verify that GeoSKeeper was correctly updated by performing trial calls and test of functionality.
4. In particular, it is highly recommended to test the settings of the Safety Call button after each device setup.

Following is an example of **Updates** window (new window):

## Updates

Left Button	Up to date.
Center Button	Up to date.
Right Button	Up to date.
Authorized Numbers	Up to date.
Power-Off Alert	Up to date.
Power-On Alert	Up to date.
Safety Call Alert	 Updates saved ,Waiting Device.
Low Battery Alert	 Updates saved ,Waiting Device.
Safety Button	 Updates saved ,Waiting Device.
GPS Setup	Up to date.
Web Path	Up to date.
Polygon 1	Up to date.
Polygon 2	Up to date.

14:02:12 PM 8/12/2010 FW : 1.6.3-0.0.3

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## GPS SETUP

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The GPS Setup page (new window) appears as shown below.

Send alerts to :	
SMS #1 <input type="text"/>	SMS #3 <input type="text"/>
SMS #2 <input type="text"/>	Email <input type="text"/>
Time Zone <input type="text" value="(GMT+2:00) Asia/Jerusalem (Israel Standa"/>	Language <input type="text" value="English"/>
User Alerts :	Tracking Setup :
When out of area <input checked="" type="checkbox"/> Beep <input type="checkbox"/> Flash LED	<input checked="" type="checkbox"/> Enable continuous tracking
When back to area <input checked="" type="checkbox"/> Beep <input type="checkbox"/> Flash leds	Send Location every <input type="text" value="5"/> Minutes
	<input type="checkbox"/> Save locations without sending them
Geofencing check :	GPS commands
<input type="checkbox"/> Check polygons every <input type="text" value="5"/> Minutes	<input type="checkbox"/> Reset GPS

Update All

Submit Changes

Clear Fields

### Send Alerts to:

Alerts are SMS messages or emails sent by the GeoWeb system to inform other parties about three types of events:

- Emergency
- Out of Polygon
- Back to Polygon

Once the GeoWeb receives report from the GeoSKeeper about the above events, the GeoWeb sends messages and emails with detailed about the event (event type, address).

Enter cellular phone numbers to send SMS to (use international and local prefixes). You can set up to three phone numbers. Enter email address to send email to. From the dropdown box select the message language.

## Users Alerts:

Geofencing feature is the possibility to draw a delimited area (Polygon) on the map that will allow checking if the user is within that area, left the area or returned to the defined area.

If Geofencing feature has been activated then in case of “Out of area” and “Back to area” events, the GeoKeeper device can be set to beep and/or flash its LED's.

Select the checkbox with the indications you want the GeoKeeper to generate in case of “Out” or “Back” to area.



These indications are for the GeoKeeper user. In addition, the GeoKeeper will report to the GeoWeb on “Out” or “Back” of area events.

## Tracking Setup:

**Enable continuous tracking** – The GeoKeeper can be configured to send continuous GPS locations (continues tracking mode) every certain time interval from 1 minute interval to 60 minutes. In this mode, the device turns on the GPS module every certain interval, gets the location and sends it to the GeoWeb via GPRS (or SMS during voice calls).

Check this checkbox to enable continues tracking mode and set the time interval for sending position data to the center.

If checked – also Geofencing information will be sent to the center. (When entering or leaving the defined Polygon)



Tracking interval has significant influence of the battery life of the device. The shorter the interval the shorter will become the battery life. If Polygon has been defined, the GeoSKeeper will check position with respect to the Polygon on every tracking interval.

If the device has been turned off and on again– it will be THIS setting that the device will follow after turning it on again and not the setting that was set temporarily under LOCATE/TRACK.

***Save tracking without send it*** - If the box is checked – then the device will store (in the memory) the locations that it received and will not send them out. They will be sent out in the following cases (last location will be sent out first):

- When the Safety key (Orange) of the device was pressed.
- When the device enters or exits the polygon (if defined).
- When the memory of the device is full (max of 60 locations).
- Every n hours (default 1 hour), as set by the system administrator.

This mode of operation (if selected) may save battery power and is recommended especially if the device is kept in non - open sky areas for longer time without being turned off (inside buildings, underground parking lots etc.). NOGPS messages will not be stored nor transmitted in this mode.

## Geofencing check:

Geofencing check can be enabled if Continuous Tracking is DISABLED.

If Polygon has been defined then one can set the time interval for checking that the GeoSKeeper is within the defined Polygon. In case of exiting (Out) the Polygon or returning (In) to the Polygon, the GeoSKeeper will send In/Out of Polygon events.

## GPS commands:

**Reset GPS** - If box is checked – a Reset GPS command is sent to the GeoSKeeper device that will reset the GPS receiver setting (e.g. when crossing borders between countries).

## Update All:

After pre-setting the desired functions, click the **Update All** button at the bottom of the page. This will update ALL the settings of the GeoSKeeper.

If only changes were made (not complete definition of all the fields), click on **Update Changes** button.

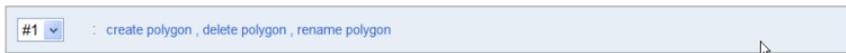


Prior to submitting configuration or changes make sure that the GeoSKeeper is turned ON and has network connection (green LED flashes every 3 seconds). See [Update Settings](#) on page 33

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## POLYGON SETUP

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Geofencing feature is the possibility to draw delimitation (Polygon) on the map that will allow checking if the user is within that area, left the area or returned to the defined area.

If no Polygon has been defined – then the following message will be displayed in RED under the submenu: “There is no Polygon defined yet”

Two different Polygons can be defined: #1 and #2.

### Create Polygon:

To create a Polygon (Geofencing) that will show on the map please proceed as following:

- Select Polygon #1 or #2 by clicking on the arrow of drop down box.
- On the map window, locate the approximate area using zoom bar and pan tools.
- Click on **create polygon**.
- Click the left mouse button to select up to 6 points of the Polygon. DO NOT DRAG the mouse. Just click and release when moving from one point to the other.
- Once the Polygon is in a closed shape or six points have been defined , Polygon name prompt window will open.

- Type in name for the Polygon. This name will be used during In/Out of Polygon messages so use names that represent the Polygon area such as: home, work etc.
- Once the Polygon is saved, the system will send the Polygon points (via SMS) to the GeoSKeeper. See [Update Settings](#) on page 33.

### Delete polygon:

Select Polygon #1 or #2 by clicking on the arrow of drop down box. Click on ***delete polygon*** to delete the Polygon.

The system will send delete Polygon command (via SMS) to the GeoSKeeper. See [Update Settings](#) on page 33.

### Rename polygon:

Select Polygon #1 or #2 by clicking on the arrow of drop down box. Click on ***rename polygon***. Polygon name prompt window will open. Type the desired new name and save it at the end of the operation.

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## SHOW POLYGON

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Display the Polygons (if defined) over the map. Polygon #1 is displayed in Green color and Polygon #2 is displayed in Blue color. Same as Show/Hide Polygon tool on the map .

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## HIDE POLYGON

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Do not display the Polygons (if defined) over the map. Same as Show/Hide Polygon tool on the map .

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## ACCOUNT REPORT

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The account report (new window) contains user data regarding the amount of SMS credit, GPRS credit and the firmware version of the GeoSKeeper device.

Account Report for	<b>Aerotel12 , Aerotel12</b>
SMS Credit	Unlimited
GPRS Credit	Unlimited
FW version	1.6.4-4.0.8

SMS/GPRS credits are set by the system administrator.

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## UPDATE REPORT

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One can check if the GeoSKeeper device settings are updated as in the GeoWeb. Select the **Update Report** item from the Setup list. When all updates have been completed then all the parameters should be in **Up to date** status.

You can click on **Refresh** to refresh the status table.

For more details see [Update Settings](#) on page 33.

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## CONNECTION TEST

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The **Connection Test** (new window) is an automatic procedure for setting and testing GPRS connectivity between the GeoSKeeper and the GeoWeb. It is used for setting GeoSKeeper device with a new SIM card.

If your GeoSKeeper unit and SIM card were not yet defined or set in the system, the **Connection Test** window will open once you login to the GeoWeb.



Do not perform **Connection Test** procedure unless you are setting a new SIM.

Device phone number:	<input type="text" value="+"/>
	<small>ex. +972123456789</small>
GPRS Operator list:	<input type="text" value=""/>
APN:	<input type="text" value=""/>
APN username:	<input type="text" value=""/>
APN password:	<input type="text" value=""/>
Port:	<input type="text" value="80"/>

1. In the **Device phone number** field enter the SIM card phone number (use '+' and international and local prefixes).
2. Select from the **GPRS Operator list** the SIM provider (the list is sorted by countries) to get the correct APN of the SIM. Or, type in the APN in the **APN** field.
3. Enter **APN username** and **APN password** if required by SIM provider.

4. Enter the **Port** number in the Port field (usually 80).



Prior to performing the test, make sure that the GeoSKeeper is turned ON and has network connection (green LED flashes every 3 seconds).

Click on **Update & Test** to perform update of data and test the communication.

The **Results** table shows the procedure progress activity. The right columns of the table will indicate if test was successful or failed.

The procedure takes less than 5 minutes to complete.

Results :		
✓	Updating DataBase	updated and tested Successfully
✓	SMS connection Test	Not Changed
✓	GPRS connection Test	updated and tested Successfully

If the test failed you may repeat it or contact your system administrator.

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## USER DETAILS

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The **User Details** page (new window) displays the information about the user, GeoSKeeper and SIM.

All the details are “view only” and cannot be modified except the **Web Password**.

Click on **Show Password** to view the password.

Click on **Change Password**  icon to modify your GeoWeb login password.

First Name :	Middle Name :
Last Name :	YOB :
Age :	Gender :
Address :	City :
Country :	Zip Code :
State :	
GeoSkeeper Phone :	SIN :
SIM ID :	Agent :
Web UserName :	
Web Password : ***** <a href="#">Show Password</a> 	
Note :	