GeoSKeeper™

User Manual
Model Q

Aerotel
Medical Systems

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INTRODUCTORY INFORMATION

CONVENTIONS

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

A warning calls for attention to a situation that can result in physical harm to the user or equipment.

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

CE COMPLIANCE

CE 0470

DECLARATION OF CONFORMITY
Aerotel Medical Systems (1998) Ltd hereby declares that the GeoSKeeper is in compliance with the essential requirements and other relevant provisions of Directive 1999/5/EC. A copy of the Declaration of Conformity may be obtained from Aerotel Medical Systems (1998) Ltd.

Within the European Union the product must be taken to separate collection at the product end of life. Do not dispose of this device as unsorted municipal waste.

FCC COMPLIANCE STATEMENT AND RF RADIATION EXPOSURE STATEMENT

This device complies with Part 15 of the FCC Rules. Operation is subject to the following two conditions: (1) this device may not cause harmful interference, and (2) this device must accept any interference received, including interference that may cause undesired operation.

This equipment complies with FCC RF radiation exposure limits set forth for an uncontrolled environment. SAR has been evaluated with highest reported SAR levels for vicinity of head (1 cm in front of mouth) and extremity (hand) use conditions of 1.26 W/kg and 3.78 W/kg,

respectively. End users must follow the specific operating instructions for satisfying RF exposure compliance. This transmitter must not be co-located or operating in conjunction with any other antenna or transmitter.

FCC ID: VZU-GEOSKEEPER-Q

IC (INDUSTRY CANADA) COMPLIANCE STATEMENT

This device complies with Industry Canada licence-exempt RSS standard(s). Operation is subject to the following two conditions:
(1) this device may not cause interference, and
(2) this device must accept any interference, including interference that may cause undesired operation of the device.

Le présent appareil est conforme aux CNR d'Industrie Canada applicables aux appareils radio exempts de licence. L'exploitation est autorisée aux deux conditions suivantes:
(1) l'appareil ne doit pas produire de brouillage, et
(2) l'utilisateur de l'appareil doit accepter tout brouillage radioélectrique subi, même si lebrouillage est susceptible d'en compromettre le fonctionnement.

The GeoSKeeper Model Q has been designed to comply with safety requirements for exposure to radio waves (SAR). SAR testing has been performed in accordance with RSS-102, with the GeoSKeeper Model Q transmitting at its highest certified power level in all used frequency bands. The highest SAR value for the GeoSKeeper Model Q when tested was 1.26 W/kg and 3.78 W/kg, for vicinity of head (1 cm in front of mouth) and extremity (hand) use

conditions respectively. Please follow the instructions included in the user guide for product installation and use."

Le GeoSKeeper Model Q est conçu pour se conformer aux exigences de sécurité pour l'exposition aux ondes radio (SAR). Tests SAR a été effectué conformément à la norme RSS-102, avec le S10621 à son niveau de puissance maximum certifié dans toutes les bandes de fréquences utilisées. La valeur SAR maximale pour le GeoSKeeper Model Q lorsqu'il est testé était 1.26 W/kg pour les environs de la tête (en face de la bouche de 1 cm), et 3.78 W/kg pour la main. S'il vous plaît suivez les instructions incluses dans le guide utilisateur pour l'installation du produit et son utilisation.

IC: **6931A-GEOSKEEPERQ**

GENERAL NOTES

In order to ensure SAR compliance, the GeoSKeeper must only be used as a wrist worn device. No other usage configuration is permitted.

The GeoSKeeper is NOT a medical device

The highest measured SAR value is 1.26 W/kg with the GeoSKeeper situated at a distance of 1 cm in front of the mouth. To reduce RF energy absorbed to your body, do not use the GeoSKeeper too close to your head/mouth. Allow at least 10cm distance between the device and your head/mouth.

SAFETY INFORMATION

To ensure safety and to maintain the GeoSKeeper in good working condition, please read and follow these rules:

SWITCH ON SAFETY
Do not switch the GeoSKeeper on where wireless phone use is prohibited or when it may cause interference or danger.

LOUDSPEAKER
The GeoSKeeper has built-in loudspeaker that allows you to speak and listen from a short distance without having to hold the device to your ear.
Do not hold the device near your ear (less than 10cm) because the volume may be extremely loud.

SAR
In order to keep RF energy absorption (SAR) to a minimum, it is recommended that the GeoSKeeper is used at a minimum distance of at least 10cm between the device and the head or ear.

ROAD SAFETY COMES FIRST
Obey all local laws. Always keep your hands free to operate the vehicle while driving. Your first consideration while driving should be road safety.

SWITCH OFF IN HOSPITALS

When in a hospital or any other health care facility, observe the restrictions on the use of mobile phones. Switch the GeoSKeeper off if instructed to do so by the guidelines posted in sensitive areas. Medical equipment may be sensitive to RF energy.

MEDICAL EQUIPMENT

The operation of cardiac pacemakers, other implanted medical equipment and hearing aids can be affected by interference from the GeoSKeeper when placed close to the device. If in doubt about potential danger, contact your physician to verify that the equipment is properly shielded. Pacemaker patients are advised to keep their GeoSKeeper away from the pacemaker while it is on.

SWITCH OFF IN AIRCRAFT

Follow any restrictions. Wireless devices can cause interference in aircraft.

SWITCH OFF WHEN REFUELING

Do not use the GeoSKeeper at a refueling point. Do not use near fuel or chemicals.

SWITCH OFF NEAR BLASTING

Do not operate the GeoSKeeper in the presence of flammable gases or fumes. Switch off the GeoSKeeper when you are near petrol stations, fuel depots, chemical plants or where blasting operations are in progress. Operation of any electrical equipment in potentially explosive atmospheres can constitute a safety hazard.

RADIO INTERFERENCE

Your GeoSKeeper receives and transmits radio frequency energy while switched on. Remember that interference can occur if it is used close to TV sets, radios, computers or inadequately shielded equipment.

Follow any special regulations and always switch off the GeoSKeeper wherever prohibited or when you suspect that it may cause interference or danger.

INTERFERENCE

All wireless devices may be susceptible to interference, which could affect performance.

WATER-RESISTANCE

Your GeoSKeeper is not water-resistant. Keep it dry.

ENVIRONMENT

Never leave the GeoSKeeper exposed to direct sunlight or in environments with high humidity or dust levels.

CLEANING

Do not use liquids or strong detergents to clean the GeoSKeeper. Follow the cleaning instructions given hereunder in this guide.

QUALIFIED SERVICE

Only qualified personnel may install or repair the GeoSKeeper. Battery and SIM card replacement must be executed only by an authorized service facility.

Never attempt to disassemble the GeoSKeeper by yourself. Contact an authorized service facility in case of malfunctions or any other problems.

EMERGENCY CALLS

The GeoSKeeper operates using radio signals and cellular networks that cannot be guaranteed to connect in all conditions. Therefore, you should never rely solely upon any wireless device for essential communication, for example emergency calls.

In order to make or receive calls, the GeoSKeeper must be switched on, its battery charged and in a service area with adequate cellular signal strength.

AGE

GeoSKeeper is not recommended for children under the age of 3.

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GEOSKEEPER DESCRIPTION

GEOSKEEPER OVERVIEW

The GeoSKeeper™ ("GeoSKeeper" or the Product) is a small **wrist** wearable wireless communication device that lets you stay in touch anytime, anywhere. You do not have to dial a number to establish contact. All you have to do is press a single button and you are able to contact people who may help you in case of need.
GeoSKeeper has a built-in GPS receiver to allow locating your position. The position data is automatically sent to a secured website.
Authorized people will be able to locate your position on an interactive map displayed on that website.
One can limit the permissible zone of movement (Geofencing). Any violation of the defined limits will be automatically reported via an SMS to a selected cellular phone or a pre defined email address and will clearly show on the map.
The GeoSKeeper is designed for use on quad band GSM networks (850/900/1800/1900).

With GeoSKeeper you can:

1. Contact a safety number by pressing a single button. When pressing the safety button – your location will be automatically detected.
2. Initiate a call to a safety number even when the device is turned off.
3. Send current position via SMS or GPRS.
4. Receive a sound notification if you left the predefined zone or returned to it. Your authorized relatives will

receive the appropriate SMS and email notifications to locate your position via website including driving instructions to that location.

5. Contact up to 3 additional phone numbers with a single touch of a button (speed dialing).
6. Send preset text messages to the speed dialing numbers.
7. Receive calls from anyone or limit the GeoSKeeper to receive phone calls only from authorized callers (up to 10 contacts).
8. Use GeoSKeeper in silent mode (without speaker activation). The other party can listen in to the GeoSKeeper environment.
9. Use the Internet to remotely configure the GeoSKeeper.
10. Configure the GeoSKeeper to answer automatically or manually.
11. Wear the GeoSKeeper on your wrist.

This guide explains how to use the dual band GeoSKeeper and make the most of its features.

GEOSKEEPER LAYOUT

The following figure shows the GeoSKeeper's layout:

GEOSKEEPER OPERATION

TURNING THE GEOSKEEPER ON

Before using the GeoSKeeper for the first time, charge the battery for at least 12 hours.

Always make sure the GeoSKeeper is charged prior to turning it on (See Charging the Battery on page 41).

Make sure your provider installed SIM card into the device.

Follow any of the listed steps to turn the GeoSKeeper ON:

- Press and hold the Power button for 1-2 seconds.
- Press and hold the Safety button for 1-2 seconds
- Plug in the charger and connect AC wall outlet.

Removing the charger – will NOT switch off the device

1. The green & orange LEDs will turn on and will be lit till a beep is emitted.

2. The green LED flashes rapidly (initialization and network searching) for about one minute.

3. The GeoSKeeper will go into GPRS mode to download configuration data from the server. The green LED will be on continuously during this process (about 40 seconds).

4. The GeoSKeeper will play a series of beeps to indicate that the device is ready for use. The green LED will flash ONCE every 2 seconds, indicating normal standby operation in the GSM network.

If the GeoSKeeper failed to connect to the network (SIM not ready etc.), SOS dialing is still enabled when pressing the Safety Call button.
See Making A Safety Call Without A SIM Card on page 30 for more details.

TURNING THE GEOSKEEPER OFF

Follow these steps to turn the GeoSKeeper OFF:

1. Press and hold the Power button for at least 2 seconds.
2. A beep will sound.
3. Green & orange LEDs light continuously.
4. Wait for a few seconds. The GeoSKeeper will turn off. Both LEDs will be off.

NOTE

Power off duration can be longer (up to 1 minute) in case the device is configured to update “power off” condition. If the charger is plugged in, then the GeoSKeeper cannot be powered off.

GEOSKEEPER INDICATIONS

The GeoSKeeper's current status is indicated by the green & orange LEDs on its top panel.
The following are the different indications:

Status	Indication
Turned on (Initialization and searching for GSM network)	Green & orange LEDs light continuously, then green LED flashes rapidly for about one minute.
Standby (connected to the GSM network)	Green LED flashes once every 2 seconds.
Voice call (outgoing and incoming)	Green & orange LEDs flash in alternating mode.
GPS (Fix location)	Green LED flashes twice every 2 seconds.
Sending SMS	Green & orange LEDs flash in alternating mode.

Status	Indication
Data communication (Sending or receiving data)	Green LED is on continuously. In this status, buttons are disabled.
Battery charging	Orange LED is on continuously.
Battery reaches full charge	Orange LED lights continuously with a flash every 2 seconds.
Low battery	Orange LED is continuously off but flashes every 2 seconds.
Turn off	Green & orange LEDs light continuously until the GeoSKeeper turns off.

In addition, when the sound beeps are enabled (see Sounds on page 56) The GeoSKeeper will play beeps depending on the action:

1. When pressing the dialing buttons - The device will sound 2 beeps and then 2 beeps every few seconds until the dial tone is heard.
2. When pressing the emergency button - The device will sound 4 beeps and then 2 beeps every few seconds until the dial tone is heard.
3. At the end of a conversation call – Single beep.
4. Low battery - The device will beep once every 5 minutes.
5. After sending a text message (SMS) - Single beep.
6. When leaving or returning to the Geo-Fence zone - 5 beeps.

7. When the device is being remotely updated - Single beep.

MAKING A SAFETY CALL

Follow these steps to initiate a Safety Call:

1. Press and hold the Safety Call button until 4 beeps are heard. The GeoSKeeper sounds 2 beeps every few seconds until the dial tone is heard. The green & orange LEDs flash in alternating mode.

2. The GeoSKeeper will dial the first emergency number set, and the beeps will be replaced by the network dial tone.

3. If there is no answer, or the first number is busy, the GeoSKeeper will try to call the next stored number (up to 4 numbers can be preset, see Safety Call Button Settings on page 51) in sequence until there is an answer.

4. The user can cancel the process at any time by pressing the Disconnect button .
5. Wait for the other party to answer the phone call.
6. When the call is answered, the ring tone will stop. Listen to the other party and speak into the microphone in front of the device.
7. If the call is answered by an automatic answering machine or automatic answering service, one may press the Safety Call button again to cancel the current call and to call the next stored number in sequence.
8. In parallel to the emergency call, the device will try to get GPS location and send it to the call center automatically.
9. Furthermore, former locations (history of up to 64 locations) will also be sent to call center.
10. During the next 30 minutes after pressing the Safety button, the GeoSKeeper will send GPS locations every 2 minutes to the call center (depending on the provider's settings).

MAKING A SAFETY CALL WHEN GEOSKEEPER IS OFF

One can initiate a Safety Call even when the GeoSKeeper is turned off, by following these steps:

1. Press and hold the Safety Call button for at least 1 second. The green & orange LEDs will turn on and will be lit till a beep is been emitted.

2. GeoSKeeper turns on and the green LED flashes rapidly.
3. The device will perform all the power on procedures (see Turning the GeoSKeeper On on Page 17).

4. The GeoSKeeper will sound 2 beeps every few seconds. The green & orange LEDs will flash in alternating mode.
5. The GeoSKeeper will dial the first emergency number set, and the beeps will be replaced by the network dial tone.
6. If there is no answer, or the first number is busy, the GeoSKeeper will try to call the next stored number (up to 4 numbers can be preset, see Safety Call Button Settings on page 51) in sequence until there is an answer.
7. The user can cancel the process at any time by pressing the Disconnect button .
8. Wait for the other party to answer the phone call.
9. When the call is answered, the ring tone will stop. Listen to the other party and speak into the microphone in front of the device.
10. If the call is answered by an automatic answering machine or automatic answering service, one may press the Safety Call button again to cancel the current call and to call the next stored number in sequence.
11. In parallel to the emergency call, the device will try to get GPS location and sent it to the call center automatically.
12. Furthermore, former locations (history of up to 64 locations) will also be sent to call center.

13. During the next 30 minutes after pressing the Safety button, the GeoSKeeper will send GPS locations to the call center every 2 minutes (depending on the provider's settings).

MAKING A SILENT SAFETY CALL

When **Silent Mode** is enabled (see Safety Call Button Settings on page 51) Safety Calls will be dialed without any sound from the GeoSKeeper.

Follow these steps to initiate a Silent Safety Call:

1. Press and hold the Safety Call button .

2. The GeoSKeeper will not sound any beep or tone. The green & orange LEDs will flash in alternating mode.
3. The entire dialing process is identical to Safety Call process (see Making a Safety Call on page 24) except for the fact that one cannot here the other party but the receiving party can hear you.

MAKING A SAFETY CALL WITHOUT A SIM CARD

In case of SIM card problems such as:

- No SIM card installed
- SIM card is blocked by network
- SIM card is faulty/broken
- SIM card was not installed properly

Only SOS calls are enabled.

Pressing the Safety Call button will dial the national SOS number.

The availability of SOS numbers depends on the services offered by the provider according to national regulations.

The user can cancel the process at any time by pressing the Disconnect button .

MAKING AN OUTGOING CALL

You can make calls to up to 3 preset numbers by pressing the speed dial buttons.

For instructions on how to store the numbers, see Speed Dialing Buttons Settings on page 50.

1. Press and hold one of the speed dial buttons ▼1 2 3▲ until 2 beeps are heard. GeoSKeeper sounds 2 beeps every few seconds. The green & orange LEDs flash in alternating mode.

2. The GeoSKeeper will dial preset number set, and the 2 beeps will be replaced by the network dial tone.

3. The user can cancel the process at any time by pressing the Disconnect button .
4. Wait for the other party to answer the phone call.
5. When the call is answered, the ring tone will stop. Listen to the other party and speak into the microphone in front of the device.

ENDING A CALL

At any time, you can hang up a call by momentarily pressing the Disconnect button .

The voice call is also terminated if the other party hangs up.

At the end of the call a beep is emitted.

After the call ends, the green LED flashes every 2 seconds indicating normal standby operation.

ADJUSTING THE SPEAKER VOLUME

During voice call, the left (1) and right (3) speed dialing buttons function as volume controls.

During a call you can increase or decrease the speaker volume by pressing the volume up 3▲ or volume down ▼1 buttons respectively.

MUTE MODE

During voice call, the middle speed dialing button functions as speaker mute control. At any time during the call you can mute the speaker by pressing the Mute button 2.

In Mute mode the speaker is muted, resulting in a one-way conversation from the GeoSKeeper to the other party.

NOTE

Mute mode is not active during a Safety Call (when the call was initiated by pressing the Safety Call button)

Pressing the Mute button 2 again or pressing any of the volume control buttons (left or right) will cancel the Mute mode.

SENDING A TEXT MESSAGE (SMS)

You can send pre - stored text messages (SMS) to up to 3 predefined numbers by pressing the speed dialing buttons.

For instructions on how to store the numbers and the text, see Speed Dialing Buttons Settings on page 50.

1. Press and hold one of the speed dial buttons

until 2 beeps are heard.

2. GeoSKeeper sounds 2 beeps every few seconds. The green & orange LEDs flash in alternating mode while the message is being sent.
3. After the message has been sent the beeps stops.

RECEIVING INCOMING PHONE CALLS

The GeoSKeeper can receive incoming phone calls.

Answering incoming calls can be preset to automatic or manual. For instructions on how to preset the answering mode, see Answering Mode on page 55.

The GeoSKeeper can also be preset to answer all incoming calls or only those from authorized phone numbers. If set to answer only calls from authorized phone numbers, the GeoSKeeper will ignore calls from non authorized phone numbers and will not sound a ring tone as a result.
For instructions on how to preset authorized incoming calls see Presetting Authorized Incoming Calls on page 53.

To receive a call:

1. When there is an incoming phone call, the green & orange LEDs will flash in alternating mode. The GeoSKeeper also generates an incoming call indication (ring tone) as predefined (see Incoming calls Indication on page 55).
2. In case that the GeoSKeeper has been preset to Auto Answer mode, the call will be answered automatically after 2 rings.
3. In case that the GeoSKeeper has been preset to Manual Answer mode, you can answer the call by pressing the Answer button .

4. Pressing one of the speed dial buttons

or the Safety call button will also answer the incoming call.

5. One can reject the incoming call by momentarily pressing the Disconnect button .

6. Listen to the other party and speak into the microphone in front of the device.

GPS

The GeoSKeeper has a built-in GPS receiver with omni-directional high sensitivity GPS antenna that can receive GPS signals from all direction.
Once the GPS is activated it will get its location (longitude and latitude coordinates), speed and direction.

The GPS location data is send from the GeoSKeeper to:

1. A Cell phone by SMS (short message service) or;
2. Internet website by GPRS or SMS.

Whenever you press the Safety Call button to generate a Safety Call, the GPS is activated in the background to try to get the location.

If location is fixed it will be send to the call center. Otherwise, No GPS message will be sent and the GPS will keep trying getting a fixed location.

The GPS can also be activated remotely from the call center (by sending GPS activation SMS to your GeoSKeeper). In this case, the GPS will also send its location data.

In order for the GPS to acquire location accurately or to acquire location at all, the GeoSKeeper must be in an open place under clear sky.

If the GeoSKeeper is not under an open (for example, near buildings, or on balcony) the position data might not be accurate, nor available or delayed.

CHARGING THE BATTERY

A rechargeable battery that must be charged periodically powers the GeoSKeeper.

Before using the GeoSKeeper for the first time, charge the battery for at least 12 hours.

WHEN SHOULD I CHARGE THE BATTERY?

When the battery is low, the orange LED flashes every 2 seconds and a beep sounds every 5 minutes. When this occurs, charge the battery as soon as possible.

It is recommended to charge the battery every day in order to maintain maximum performance.

TO CHARGE THE BATTERY:

1. Connect the supplied charger to the wall outlet and then to the GeoSKeeper charger connector.
2. The orange LED lights continuously indicating the charging process.

NOTE

If the device is in off position – plugging in the charger will turn it on. Disconnecting the charger will **NOT** turn the device off.

3. When the battery becomes fully charged the orange LED lights continuously and flashes every 2 seconds.
4. Disconnect the charger from the device, then from the wall outlet.

WARNING

- Do not charge the battery with a charger other than the one supplied with the GeoSKeeper.
- The use of any other charger may cause permanent damage to the GeoSKeeper.
- Do not connect the GeoSKeeper charger to any other device except to the GeoSKeeper.

- You can purchase Car charger from your provider to charge your device in the car.

The socket-outlet for the direct plug-in AC/DC adapter should be installed near the equipment and should be easily accessible.

BATTERY INFORMATION

A rechargeable battery powers the GeoSKeeper. The battery can be charged and discharged hundreds of times but it will eventually wear out. When the talk and standby times are noticeably shorter than normal, the battery should be replaced.

Unplug the charger from the wall outlet and from the GeoSKeeper when not in use.

Do not leave GeoSKeeper with a fully charged battery connected to the charger, since overcharging may shorten its lifetime. If left unused, a fully charged battery will lose its charge over time.

Use the battery only for its intended purpose. Never use any charger or battery that is damaged.

Do not short-circuit the battery. Accidental short-circuiting can occur when a metallic object such as a coin, clip, or pen causes direct connection of the positive (+) and negative (-) terminals of the battery (These look like metal strips on the battery). Short-circuiting the terminals may damage the battery or the connecting object.

Leaving the GeoSKeeper in hot or cold places such as in closed cars in summer or winter conditions will reduce the capacity and lifetime of the battery. Always try to keep the GeoSKeeper between 15°C and 25°C. A device with hot or cold battery may not work temporarily, even when the battery is fully charged. Battery performance is particularly limited in temperatures well below freezing.

Do not dispose of batteries in a fire as they may explode. Batteries may also explode if damaged. Dispose of batteries according to local regulations. Please recycle when possible. Do not dispose as household waste.

Do not dismantle, open, or shred cells or batteries. In the event of battery leak, do not allow the liquid to come in contact with the skin or eyes. In the event of leak or a hazard seek medical help immediately.

TO REPLACE THE BATTERY PLEASE CONTACT A GEOSKEEPER AUTHORIZED SERVICE FACILITY.

NO ATTEMPT SHOULD BE MADE TO OPEN THE GEOSKEEPER OR TO REPLACE THE BATTERY BY YOURSELF OR THIS MAY VOID YOUR WARRANTY.

CAUTION RISK OF EXPLOSION IF BATTERY IS REPLACED BY AN INCORRECT TYPE

GeoSKeeper Setup Via the Internet

Your GeoSKeeper service provider may provide you with a website address for configuring or updating your GeoSKeeper settings remotely online.

NOTE

Prior to submitting configuration or changes make sure that the GeoSKeeper is turned ON and has network connection (green LED flashes every 2 seconds).

When the GeoSKeeper is being updated beep(s) will be emitted.

SKeeper Login

Access the GeoSKeeper website. The GeoSKeeper Login window is displayed as shown below:

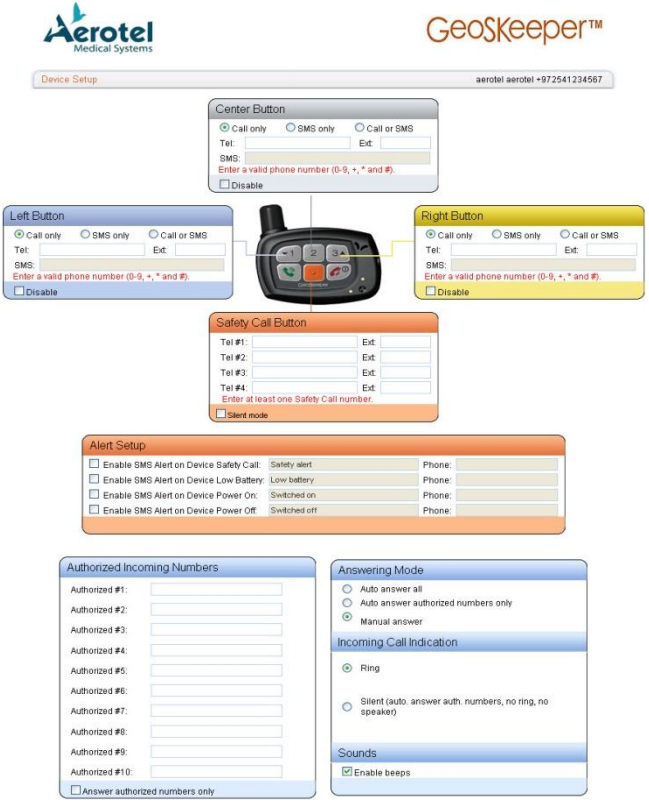
The actual website may appear different than the pictures in this document, depending on your service provider.

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. Click on SETUP.
5. Point on the user's name and select DEVICE SETUP.

To get assistance or technical support about the website please contact your provider.

DEVICE SETUP

The device setup page appears as shown below.



CLEAR FIELDS

Press Clear Fields button to clear all the displayed data.

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.**

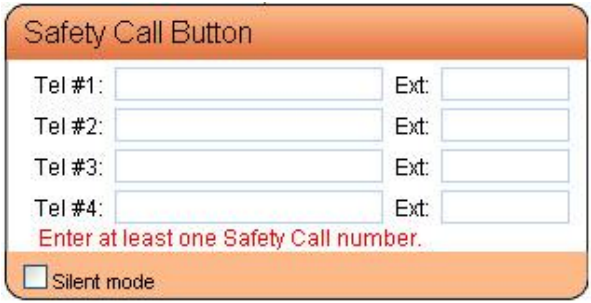
5. To make the key unusable select the **Disable** check box.

NOTE

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

SAFETY CALL BUTTON SETTINGS

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



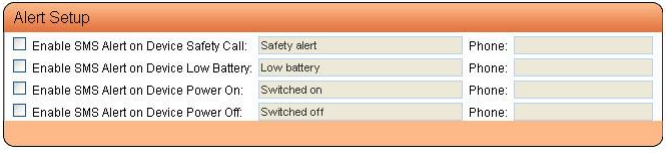
Select the **Silent mode** check box to enable making silent safety calls (see Making a Silent Safety Call on page 29).

NOTE

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 GeoSKeeper can send preset text (SMS) alerts in various events.



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

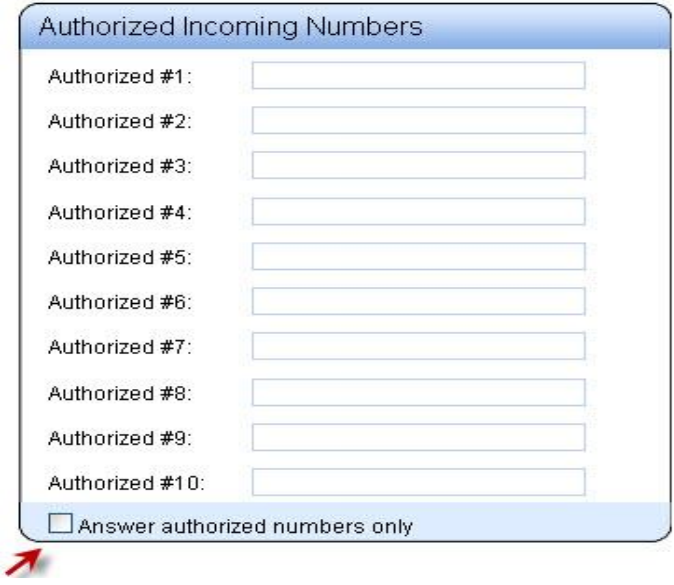
1. Select the **Enable SMS alert on Power off** check box.
2. Compose the text to be sent in the text field (up to 30 characters).
3. Update the destination mobile number in the **To Phone** field.

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.



NOTE

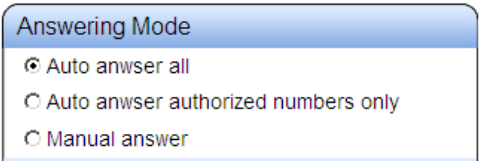
The authorized numbers must be entered in complete (including prefix) for proper identification.

Make sure that the authorized numbers send their ID during dialing

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

ANSWERING MODE

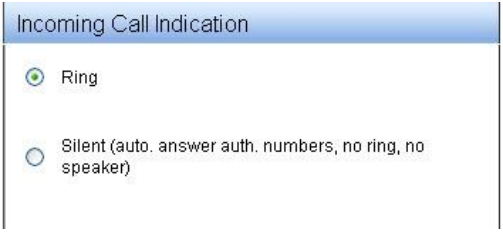
To preset the answering mode select the desired radio button.



- **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.



NOTE

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 53.

SOUNDS

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

After presetting 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 2 seconds).

The website will send an update command to the GeoSKeeper and will open an update status window.

The parameters that were not yet updated in the GeoSKeeper (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.

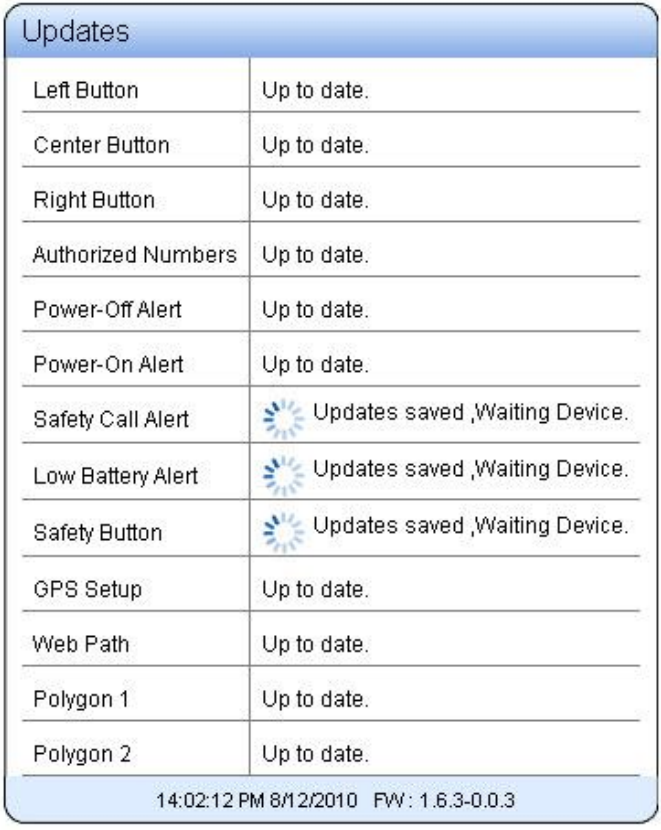
If after a few minutes the parameters status does not change to **Up to date,** make sure that the GeoSKeeper is turned on and has network connection (green LED flashes every 2 seconds).

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 double beep will be heard. Afterwards, the green LED will turn on continuously to indicate data communication.
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:


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

CARE AND MAINTENANCE

CARING FOR YOUR GEOSKEEPER

Your GeoSKeeper is a high quality sensitive product and should be treated with care. To promote the continued operation of your GeoSKeeper, make sure to follow the directions below.

1. Use only a soft, clean, dry cloth to clean the device.
2. Keep the GeoSKeeper dry. Precipitation, humidity, and all types of liquids or moisture can contain minerals that will corrode electronic circuits. If your GeoSKeeper does get wet, turn it off and allow it to dry completely before turning it on.
3. Do not use or store the GeoSKeeper in a dusty, dirty area. Its moving parts and electronic components can be damaged.
4. Do not use or store the GeoSKeeper in hot areas (like a car in hot day). High temperatures can shorten the life of electronic devices, damage batteries, and wrap or melt certain plastics.
5. Do not use or store the GeoSKeeper in cold areas. When the GeoSKeeper returns to its normal temperature, moisture can form inside the device and damage electronic circuit boards.
6. Do not attempt to open the GeoSKeeper.
7. Do not drop, knock, or shake the GeoSKeeper. Rough handling can break internal circuit boards and fine mechanics.

8. Do not use harsh chemicals, cleaning solvents, or strong detergents to clean the device.
9. Use chargers indoors.
10. Turn the GeoSKeeper off before storage.

TROUBLESHOOTING

Symptom

After turning the GeoSKeeper on, the GeoSKeeper turns off.

Problem

Battery is empty.

Possible solution

Charge the GeoSKeeper for at least two hours. Then check again.

If not charged – please contact the authorized service center.

Symptom

After turning the GeoSKeeper on, the green LED flashes rapidly for more than 2 minutes and does not enter standby mode (green LED flashes every 2 seconds).

Problem

The GeoSKeeper failed to connect to the network.

Possible solution

1. No network coverage. Change location and retry.
2. SIM card problem (not present, not installed correctly or blocked). Give the GeoSKeeper to authorized service facility.

Symptom

The GeoSKeeper does not operate (no incoming or outgoing calls) and the LEDs flash or light in an unexpected pattern (see GeoSKeeper Indications on page 21).

Problem

Undefined error.

Possible solution

Turn the GeoSKeeper off, wait for 1 minute and turn it on again. If the GeoSKeeper still does not function, turn it off and give it to a GeoSKeeper authorized service facility.

LIMITED WARRANTY

Aerotel Medical Systems (1998) Ltd. ("Aerotel") warrants that the GeoSKeeper™ ("the Product") is free from defects in material and workmanship that result in failure during normal usage, according to the following terms and conditions:

1. The limited warranty for the Product is for one (1) year beginning on the date of purchase.
2. The limited warranty for the battery, straps and accessories is for six (6) months beginning on the date of purchase.
3. Never attempt to disassemble the Product by yourself. Contact an authorized service facility if malfunctions or other problems occur.
4. Battery and SIM card replacement must only be performed by an authorized service facility.
5. This limited warranty will be void if the Product has been damaged by accident, or has been misused, abused, or altered, or if the consumer opens or disassemble the Product or if any attempt has been made to disassemble, repair or replace the Product or any part thereof, including the battery and SIM card, other than by an authorized service facility.
6. During the limited warranty period, Aerotel will repair or replace, at Aerotel's sole discretion, any defective parts, or any parts that will not properly operate for their intended use with new or refurbished replacement items if such repair or replacement is needed because of Product malfunction or failure

during normal usage. No charge will be made to the consumer for any such parts or labor.

7. The limited warranty does not cover defects in appearance, cosmetic, decorative or structural items, including framing, and any non-operative parts.
8. Aerotel's liability under this limited warranty shall be limited to the actual cash value at the time the consumer returns the Product for repair, determined by the price paid by the consumer for the Product. Aerotel shall not be liable for any other losses or damages, whether direct or indirect.
9. Upon Aerotel's request, the consumer must provide proof of the date of the original purchase through a dated bill of sale or dated receipt.
10. The consumer shall bear the cost of shipping the Product to Aerotel's authorized service center.
11. This warranty is in lieu of all other warranties, expressed or implied, including any implied warranty of merchantability or suitability for a particular purpose and no person is authorized to assume for Aerotel any other liability in connection with the sale of this Product.

GEOSKEEPER SPECIFICATIONS

Feature	Implementation	Value
Physical	Dimensions	67 x 48 x 19 mm
	Weight (battery included)	75 grams
Environmental	Operating Temperature	0 ÷ 45 ^{O}C
Power	Rating	5V DC, 600mA
	AC Adapter	Input: 100-240VAC, 50-60Hz, 0.2A Output: 5VDC, 1A
Battery	Type	Lithium Ion 3.7V/660mAH
	Low battery alert	LED + sound + automatic SMS*
	Charging	External charger (supplied)
User Interface	On/Off button	x 1
	Safety call button*	x 1 (Voice call or SMS)*
	Speed dialing buttons*	x 3 (Voice call or SMS)*
	Speaker	Internal
	Speaker volume control	Yes
	Microphone	Internal
	Battery/charge indicator	Orange LED + automatic SMS*
	Status indicator	Green LED
Cellular	Wireless module	Telit GE863-GPS
	Network	GSM/GPRS
	Frequency bands	850/900/1800/1900MHz
	Antenna	Integrated
	Data communication	GPRS and SMS
GPS	GPS	SiRFstar III
	GPS Antenna	Integrated omni-directional active antenna

* These features are remotely programmable using a Web-based interface.

Specifications are subject to change without notice.