

# LiveTracker24v2



## **USER GUIDE**

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### **Product overview - LiveTracker24**

LiveTracker24 device is a device that combines a GPS receiver and a mini cell phone in a small and easy to use package. The device is specially designed according to the requirements of the service on [www.livetrack24](http://www.livetrack24).

The key features and advantages are:

- Easy to use
- Small and lightweight
- High accuracy GPS (SIRF 3 chip)
- It sends the position every 2 seconds
- Economical in use, only requires 20-25 kb / hour of livetracking
- 5-24 hours of battery life and the possibility of cheap replacement battery from Nokia
- proven solution

### **For Your Safety**

Read these simple guidelines. Not following them may be dangerous or illegal. Read the full user manual for more information.

Switch on Safely - Do not switch on the unit when wireless phone use is prohibited or when it may cause interference or danger.

Switch off in Hospitals – Follow any restrictions. Switch the unit off near medical equipment.

Switch off in commercial airlines – Follow any restrictions. Wireless devices can cause interference in aircraft.

Switch off when refueling – Do not use the unit when at a refueling point. Do not use near fuels or chemicals.

Switch off near blasting – Follow any restrictions. Do not use the unit when blasting is in progress.

Qualified Service – Only qualified personnel can install or repair this unit.

Water Resistance – Your unit is not water resistant. Keep it dry. Use waterproof bag if necessary.

### Device - Accessories

Item	Specification
Charging Voltage	DC 4.2-5.5V/400mA (Mini USB port)
Dimension	76 mm x 44 mm x 20 mm (12mm)
Weight	76g
GSM module	GSM 900/1800/1900Mhz and GPRS TCP/UDP
GPS Chipset	latest GPS SIRF-Star III chipset
GPS Sensitivity	-158Db
GPS Frequency	L1, 1575.42 MHz
C/A Code	1.023 MHz chip rate
Channels	20 channel all-in-view tracking
Position Accuracy	10 meters, 2D RMS
Velocity Accuracy	0.1 m/s
Time Accuracy	1 us synchronized to GPS time
Default datum	WGS-84
Reacquisition	0.1 sec., average
Hot start	1 sec., average
Warm start	38 sec., average
Cold start	42 sec., average
Altitude Limit	18,000 meters (60,000 feet) max.
Velocity Limit	515 meters/second (1000 knots) max.
Acceleration Limit	Less than 4g
Jerk Limit	20 m/sec
Operating temperature	-20° to 60° C
Humidity	5% to 95% Non-condensing
Battery	Rechargeable and removable 1100 mAh battery (3.7V), 5V for charging input.
LED	3 LEDs showing power, GPS, GSM status and other operation status.
Button	3 buttons for SOS Emergency call, speed dial call B, and speed dial call C

### Battery

Rechargeable lithium ion with no memory effect 1100 mAh

Full charging time: 5 hours

The type of battery is NOKIA BL-5C

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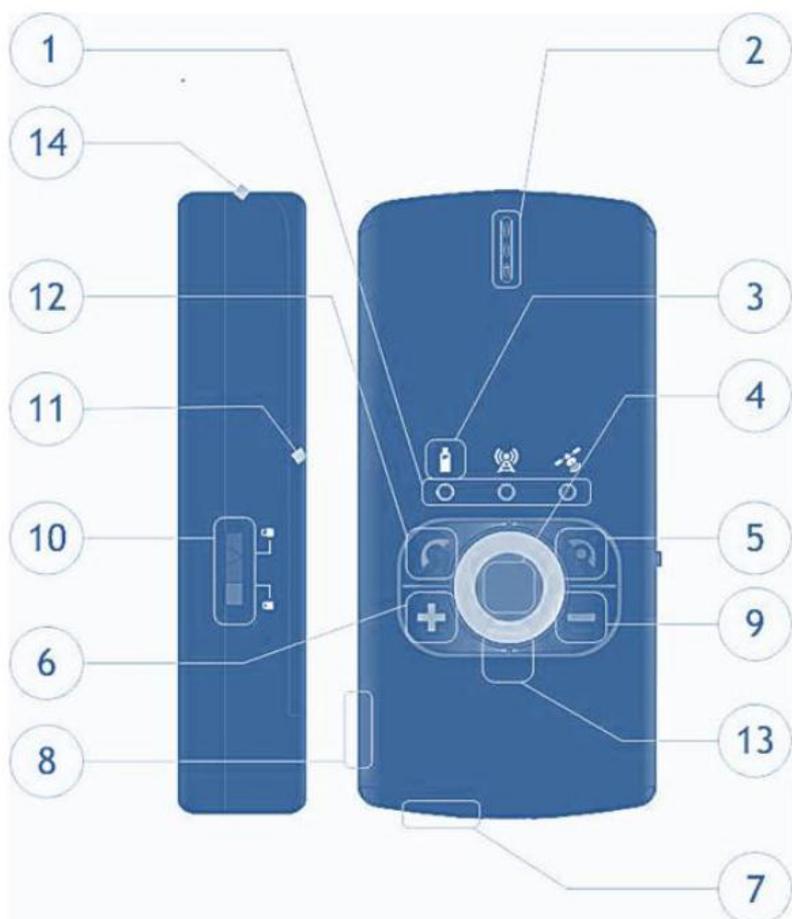
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### The package includes:

- ✦ The device
- ✦ Rechargeable lithium battery 1100 mAh Type Nokia BL-5C
- ✦ Charger
- ✦ USB charger cable
- ✦ Strap
- ✦ Mini Screwdriver and screw to secure battery cover



## First time use



**1. LED indicators**

Indicates the status of device.

**2. Speaker**

**3. Icons**

**4. Alarm button**

Activates the alarm function.

**5. End call button**

Turn device on and off, cancel call.

**6. Volume up button**

Increasing speaker volume.

**7. Microphone**

**8. Micro USB connector**

Connector for connection to PC for programming and flashing, charging device.

**9. Volume down button**

Decreasing volume.

**10. Lock/unlock keyboard's switch**

Locks keyboard from unwanted pressing and function activation.

**11. Battery compartment**

Protecting battery from damages and falling down.

**12. Talk button**

Dials, answers a call.

**13. Reset button(inside hole)**

**14. Neck strap hanging place**

Here are the steps to activate your device for the first time

- 1) Insert your SIM into your normal phone and deactivate the PIN
- 2) Insert the SIM into the LivEtracker24 and turn the device on
- 3) Go to the "LiveTracker24 setup" page on your account and edit the LiveTracker24 entry to add the phone number of the SIM card
- 4) Click on the "setup" button and fill in the APN , then press "SET APN"

Your device will go live in 30 sec to 2 min , if you put it in a place with view to the sky.

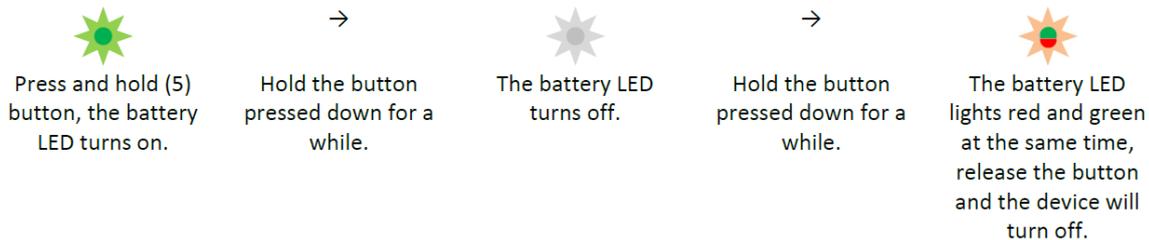
## Light Indicators

Your LiveTracker24 has three LED lights with three different colors to indicate the status of the unit.

### 1 Turning device on

If you wish to turn on the device, push the (5) button and wait a few seconds until green battery LED turns off. After that device will vibrate hardly and play a melody. If device will not turn on, check the lock/unlock (10) switch, it should be unlocked, or charge the battery.

### 2 Turning device off



### 3 Switching between tracking modes

When you switch on your device it is always in the economy tracking mode: updates are send to the server every 60 secs. The update consists of 2 positions that are 30 secs aprt.

By pressing the (5) button you can switch to rapid tracking mode: the device tracks every 2 secs and send accumulated updates to the server every 20 secs. The GPS led will start blinking in red/green to indicate the rapid mode is active.

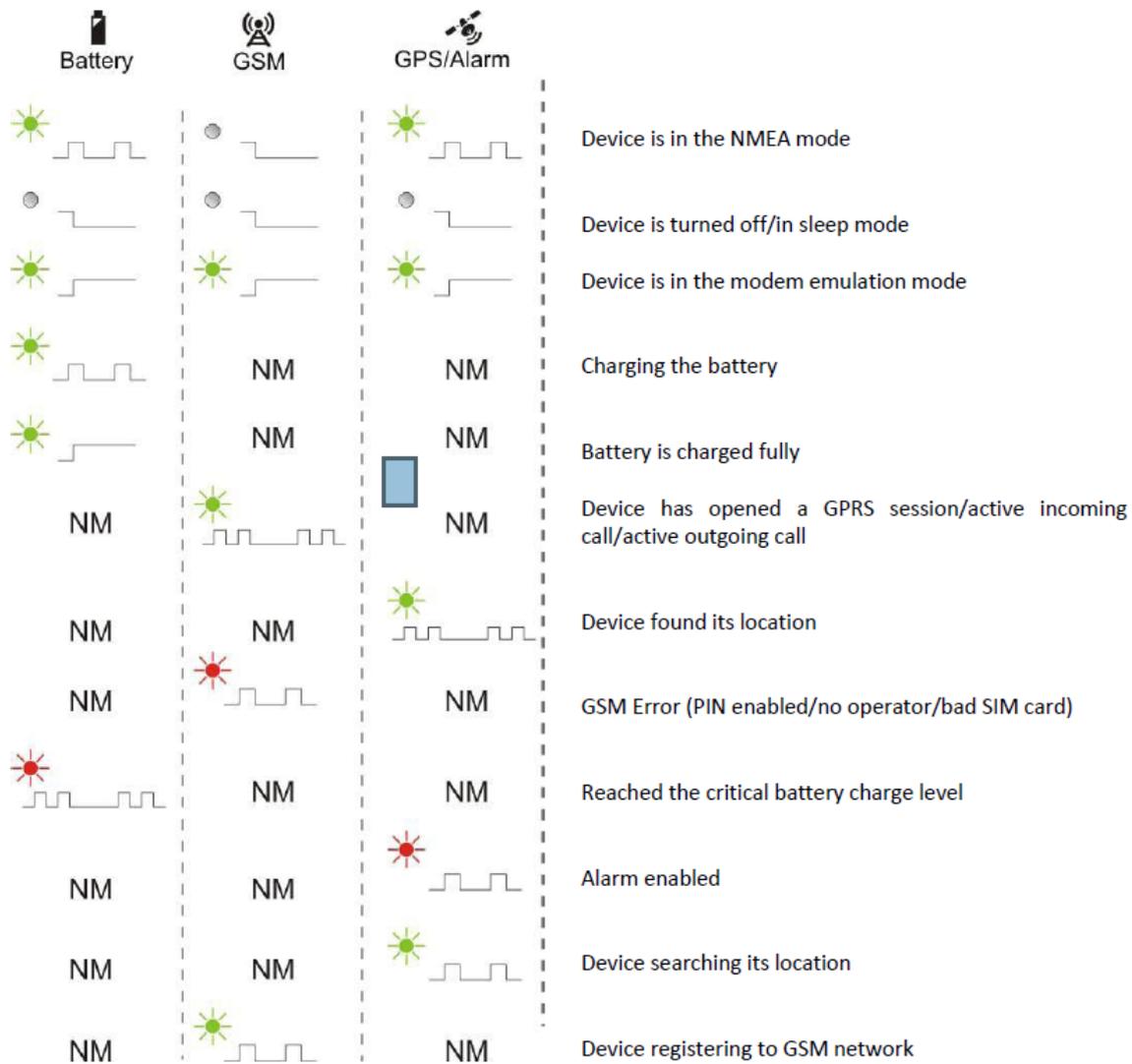
To get back to economy mode you can press button (9). The GPS led will stop blinking red/green and will only blink in green

### 3 INDICATING THE STATUS

If you wish to find out in which mode and what the device is doing at the time, observe as carefully as possible the status of the three indicators.

Each status indicator consists of 2-colored lamps - one of which is indicating a failure (red) and the other one is indicating a process in progress (green). The red GPS/ALARM indicator, which shows that the Alarm (warning signal) mode is on, is an exception.

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NM - means that it's no matter what LED indicator is blinking at the current moment.

## SOS button (4)

**Press 1 time to signal an emergency.**

Press to answer an incoming call

Press during conversation to increase the intensity

## Green Button (12)

**Press 1 time signal orderly termination of your activity**

Press to reject an incoming call, a call to cancel or finish your conversation

### Battery and SIM Installation

***The SIM card must be placed in a regular phone before first use so to make sure the PIN is disabled***

This should be done ONLY the first time since the SIM stays forever inside the device.

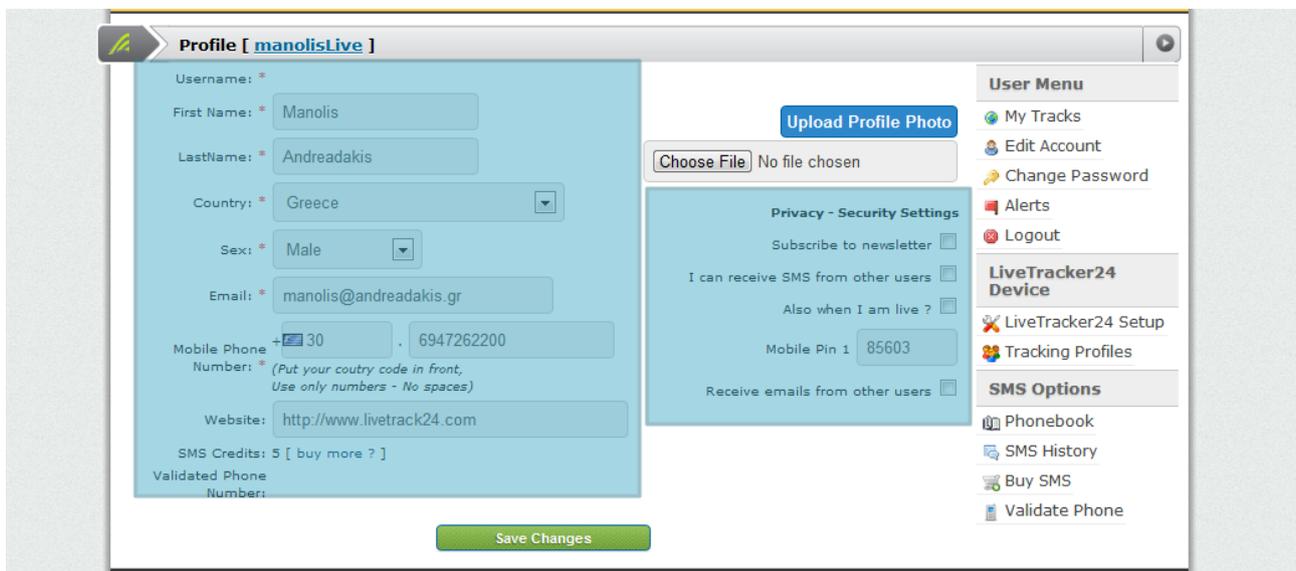
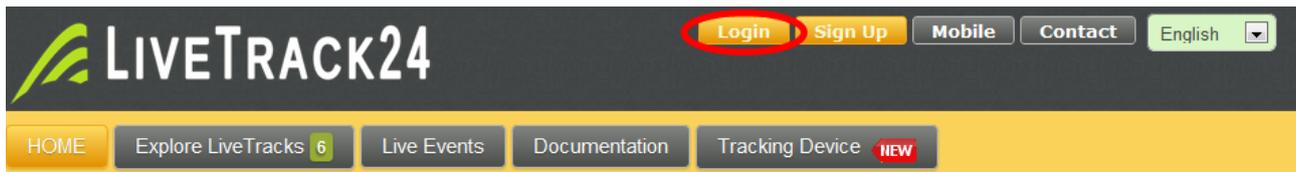
#### NORMAL OPERATION

- 1) Press the button on / off for about 3-5 seconds to blink green and blue light together. After 20 secs the blue and green leds will stop blinking together, and after a short time they will start blinking 0.1 sec on 2.9 secs off. This is the indication that the device is working properly
- 2) Place the device in a way that can not be accidentally pressed one of the buttons
- 3) Have fun !!! *This is the most important part*
- 3) At the end press 1 time the Green button if everything is ok, or 1 time the SOS button if there is an emergency.

## LiveTrack24 operation

### Your account

Login to your account



Your private Data (colored in Blue in this picture) will NEVER appear in any public page. The only things that will appear are your username, your profile photo and your country

## Phonebook and sending of SMS

You have a full phonebook which can be used to send SMS to any mobile number you wish

The screenshot shows a form for adding a contact to the phonebook. It includes a dropdown menu for 'Select Type' set to 'Phone Number'. Below this are four fields: a country code dropdown (labeled '1'), a phone number input field (labeled '2'), a description input field (labeled '3'), and an 'Add to Phonebook' button (labeled '4'). Red circles highlight the country code dropdown, the phone number input, the description input, and the 'Add to Phonebook' button. Yellow boxes with numbers 1, 2, 3, and 4 are placed below each respective field.

but also are used to send out alerts when you press either the B or SOS button.

The screenshot shows the user menu in the application. The menu items are: My Tracks, Edit Account, Change Password, Alerts, Logout, LiveTracker24 Device, LiveTracker24 Setup, Tracking Profiles, SMS Options, Phonebook, SMS History, Buy SMS, and Validate Phone. The 'Phonebook' item is circled in red.

1. Select the country prefix
2. Place the number without spaces
3. Enter the name of the contact
4. Press "Add to phonebook", message will appear successful introduction of new contact list.

We can also create groups of contacts by selecting "Group of Phone Numbers"  
So we have the ability to send mass SMS



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Once complete send any SMS either directly or as a result Alert will appear to the recipient that it came from your mobile.

The remainder of the available units SMS appears at any time either on screen or on the "Sms history" page

**curity Settings**  Alerts

newsletter  Logout

other users

I am live ?

85603

other users

**LiveTracker24 Device**  
 LiveTracker24  
Efficient &  
Reliable

**SMS Options**

-  Phonebook
-  **SMS History**
-  Buy SMS
-  Validate Phone

**SMS History [ admin ]**

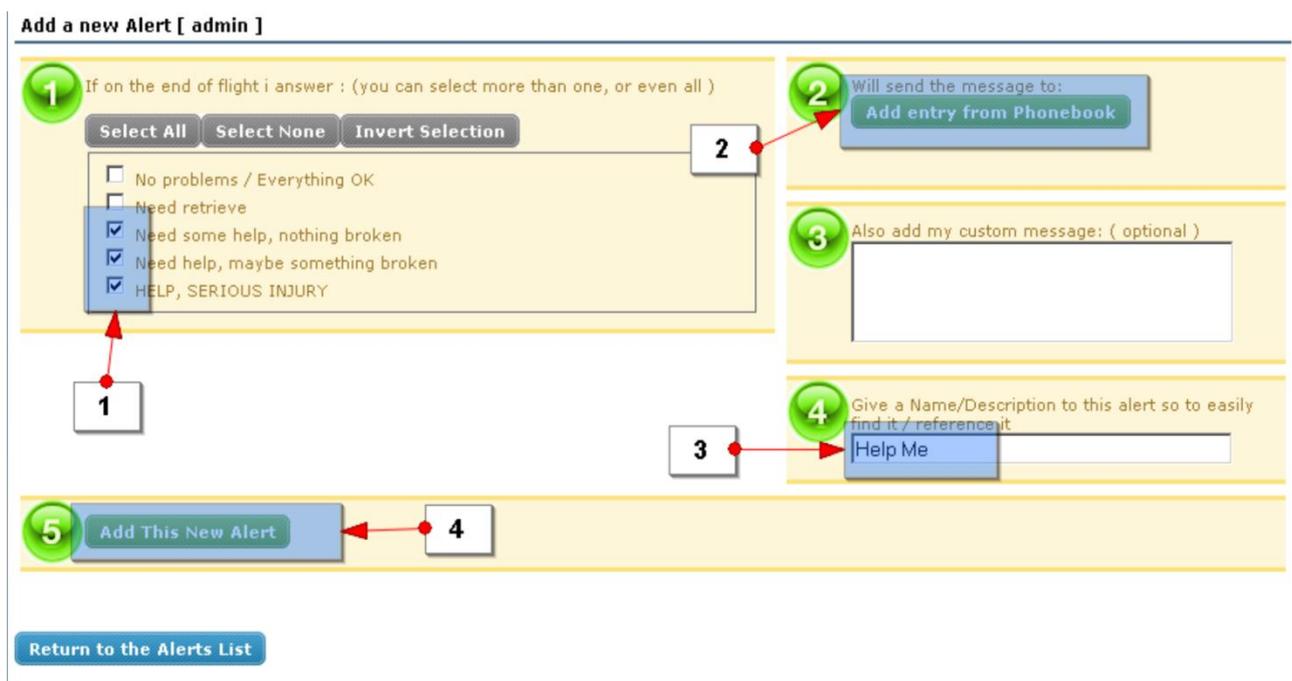
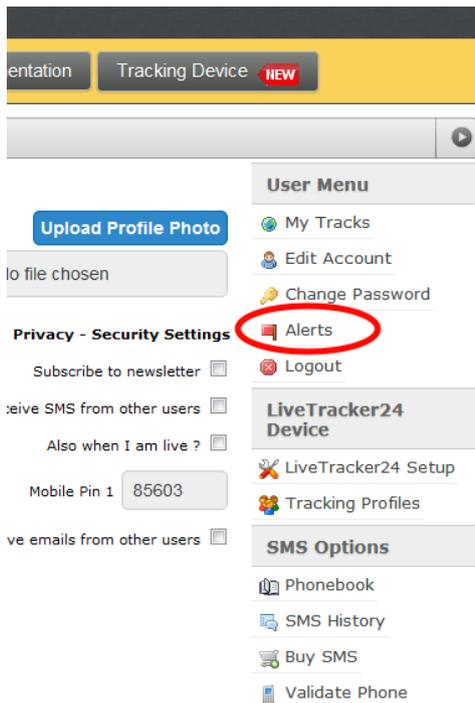
You Have 17 SMS credits 1

Date	To Phone Number / Message	Status	Cost	
2009-01-16 18:02:24	 [+30] 6947... Manolis THIS IS A TEST !!!, [ Μόλις προαγειώθηκα !!! ] ALERT FOR adm...	Received by recipient	2	<a href="#">Details</a>
2009-01-16 17:19:27	 [+30] 6947... Manolis THIS IS A TEST !!!, [ Μόλις προαγειώθηκα !!! ] ALERT FOR adm...	Received by recipient	2	<a href="#">Details</a>
2009-01-16 17:09:54	 [+30] 6947... Manolis THIS IS A TEST !!!, [ Μόλις προαγειώθηκα !!! ] ALERT FOR adm...	Received by recipient	2	<a href="#">Details</a>
2009-01-16 17:05:18	 [+30] 6947... Manolis THIS IS A TEST !!!, [δοκ] ALERT FOR admin(Manolis Andreadakis...	Received by recipient	1	<a href="#">Details</a>

Also on this screen shows all the SMS that have sent the state of performance and cost.

## Predefined Alerts

When you press 3 time either the B or SOS button on the device, you actually signal the end of Livetracking. Then automated SMS can be configured to be send with your current status and coordinates to any number of recipients



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1. Choose in which case this alert will be triggered. You can create many alerts so that you can map each alert to a specific condition and then send SMS to the correct people. Livetracker24 can send 2 type of signal: **"No problem / Everything OK"** and **"Help needed"**
2. Add phone numbers from the phonebook or even groups for sending to more than person
3. You can add a short message that will be send along the predefined data.
4. Give a name to this alert
5. Click on "Add this New Alert" to make it active

**Add a new Alert [ admin ]**

**1** If on the end of flight i answer : (you can select more than one, or even all )

Select All   Select None   Invert Selection

- No problems / Everything OK
- Need retrieve
- Need some help, nothing broken
- Need help, maybe something broken
- HELP, SERIOUS INJURY

**2** Will send the message to:

Add entry from Phonebook

GUS

**3** Also add my custom message: ( optional )

**4** Give a Name/Description to this alert so to easily find it / reference it

Help Me

**5 Add This New Alert**

✓
Inserted OK
1
[hide](#)

Return to the Alerts List
2

You will get an confirmation "Inserted OK"

**Alerts [ admin ]**

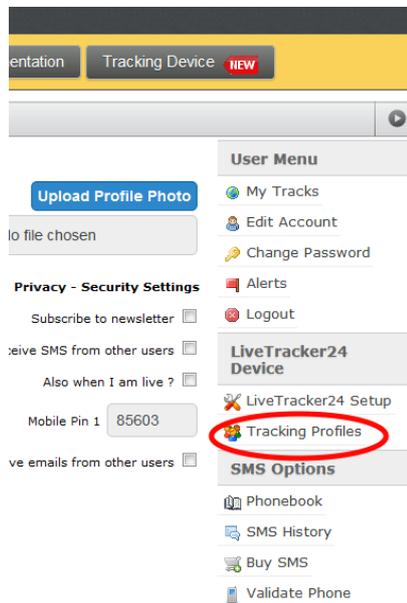
Add a new Alert

Description	When	Action	Recipient	Active	Actions
Mail test	◆ Need retrieve	Send to	✉ andread@thenet.gr <b>Manolis Andreadakis</b> Custom Message	●	<span style="background-color: #0070c0; color: white; padding: 2px 5px;">Test Alert</span> <span style="background-color: #ccc; padding: 2px 5px;">Delete</span>
SMS , need some help	◆ Need some help, nothing broken	Send to	☎ [+30] 6947202249 <b>Manolis</b>	●	<span style="background-color: #0070c0; color: white; padding: 2px 5px;">Test Alert</span> <span style="background-color: #ccc; padding: 2px 5px;">Delete</span>
URL test	◆ Need help, maybe something broken	Send to	🌐 http://live0.thenet.gr/test.php? <b>my URL</b>	●	<span style="background-color: #0070c0; color: white; padding: 2px 5px;">Test Alert</span> <span style="background-color: #ccc; padding: 2px 5px;">Delete</span>
Όλα καλά	◆ No problems / Everything OK ◆ Need retrieve	Se	Trigger this alert with 'problem': No problems / Everything OK		<span style="background-color: #0070c0; color: white; padding: 2px 5px;">Test Alert</span> <span style="background-color: #ccc; padding: 2px 5px;">CANCEL</span>
Help Me	◆ Need some help, nothing broken ◆ Need help, maybe something broken ◆ HELP, SERIOUS INJURY	nd to	☎ [+30] 6972022279 <b>GUS</b>	●	<span style="background-color: #0070c0; color: white; padding: 2px 5px;">Test Alert</span> <span style="background-color: #ccc; padding: 2px 5px;">Delete</span>

You then have the option to test any alert. The SMS that will be send will also have the text "This is TEST"

## Profiles of LiveTracking

You can have different profiles depending on the activity type:



Here is how a new profile should look like:

A screenshot of the 'Apply changes' form for creating a new profile. The form fields are as follows:

Profile Name	PG
Is this profile the default?	<input checked="" type="checkbox"/>
Activity type	Paraglider
Glider or equipment	Gradient Golden 2
Activate predefined Alerts	<input checked="" type="checkbox"/>
Track is private	<input type="checkbox"/> (Currently not implemented)
At the end of track submit to	Leonardo XC server @ Sky.gr

Below the main form is a section titled 'Submit at Sky.gr' which includes:

Username:	andread	Password:	[blurred]
Type of Glider:	Paraglider	Glider:	Gradient Golden 2
Comments	[text area]		
Relevant URL	[text area]		

Red annotations include a circle around the 'Activity type' and 'Glider or equipment' fields labeled '1', and a circle around the 'Submit at Sky.gr' section labeled '2'.

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The section marked as (1) contains all the info about how the Livetrack will be displayed on [www.livetrack24.com](http://www.livetrack24.com)

In order for the track to be submitted to an other server and the end of Livetracking you can use the info at section (2)

In case you have defined multiple profiles there is one that is the active one (see image below)

You can change the active profile from the web interface of [livetrack24.com](http://livetrack24.com) or alternately:

- 1) With your internet enabled mobile phone by opening up the link that appears next to each profile.  
“Use this link to activate this profile”
- 2) By sending an SMS to the number +30 6957657953 with the text that appears next to the profile (marked as 2 in the image below)

click here to create a new profile

#	Name	Is Default	Actions	Activation Link from mobile phone	OR SEND THIS SMS TO +306957657953
1	Run	-	<a href="#">EDIT</a> : <a href="#">DELETE</a>	<a href="#">Use this link to activate this profile</a>	LIVE 7 12345 PR 1
2	PG	YES	<a href="#">EDIT</a> : <a href="#">DELETE</a>	<a href="#">Use this link to activate this profile</a>	LIVE 7 12345 PR 2
3	Bike	-	<a href="#">EDIT</a> : <a href="#">DELETE</a>	<a href="#">Use this link to activate this profile</a>	LIVE 7 12345 PR 3
4	Driving	-	<a href="#">EDIT</a> : <a href="#">DELETE</a>	<a href="#">Use this link to activate this profile</a>	LIVE 7 12345 PR 4

Use this link to de-activate all profiles  
or Send this SMS to +306957657953  
LIVE 7 12345 PR 0