



protegear.io Administration

TripShare
SmartSafety



ProteGear.io → TRIPSHARE : Actions directly on and for the device

TRIP
create LiveTracking Websites
with date and data filters

Edit trip

Name*
MeinTrip

Description

Start of your journey*
05.08.2019 18:00 End of your journey

Privacy
 Close on end

GPX Export
 Enable GPX Export


Popup information
 Devicename
 IMEI
 Position information
 Start/Elapsed time
 Last signal
 Altitude information
 AGL Information
 Distance
 Speed information
 Vertical Speed information
 Last Message

Speed unit: km/h Distance unit: Kilometers

Devices in trip

DEVICES
name and activate/suspend devices

Edit device




IMEI
3004341

Second IMEI
8684461

Model
ALIVE1G

Name
64

Comment
Activate/Deactive satellite connection
You can activate or suspend the satellite connection of your device
 Device is suspended
ACTIVATE

Activations/Deactivations

Changed	Type	Trigger	Issuer
4.11.2020, 09:44:45	DEACTIVATE	MANUAL	
1.11.2020, 18:49:06	ACTIVATE	auto activation	alive service
3.8.2020, 08:44:00	DEACTIVATE	MANUAL	
31.7.2020, 09:25:06	ACTIVATE	auto activation	alive service
31.7.2020, 08:44:37	DEACTIVATE	MANUAL	

GLOBALMAIL
set globalmail features like SMS,
Whitelist/Blacklist

Globalmail

Account
toi r@protegear.global

Connected to Device: 3004341

Active
You can deactivate your account so no mail can be sent to the device. If

Enable SMS
Allow sending SMS by using international phone numbers in the TO add

Hide Position in EMail
When selected no position information will be sent with your EMail mess

CC Address
bn lse.ch

Messages sent to your globalmail address will be CC'd to this address.

You can specify the maximum length of messages. As they are
Maximum length
160
Message longer than this value will be truncated, a zero value indicates no truncation.

If you want us to drop mails which are detected as spam, enable
 Always drop spam

Filters are processed from top to bottom when a new mail arrives:
 * (the mail will be accepted)

HANDLER
define actions for specific events of the device, e.g.
PRESET-Messages

PresetMsg #1 SEND-EMAIL

Select an eventcode and specify which handler should be executed when

Activate handler

Name
PresetMsg #1 SEND-EMAIL
The name helps you to identify the handler if you have more than one

Description
Press 1x times on A*LIVE MSG Button to send out
Give a small description of the handler so you can remember in a few months wh


The handler will be activated for the selected devices. Show only select
filter devices

Device
 30043406
64

Eventcode
PRESET1

The handler will be activated for the selected events.

Select the type of the handler
 Email
Send notifications via Email

Specify the generated Message 
 Use the globalmail adress as the FROM field if available a

Email subject
Alles OK!

Email content
Alles OK! hier: www.google.com/maps?q={{.Event.Position.Latitud

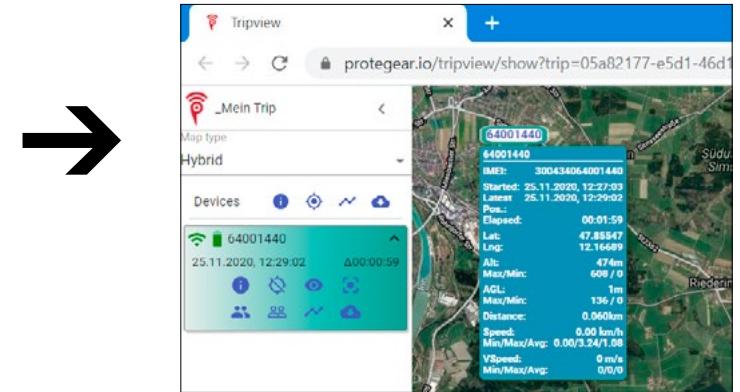
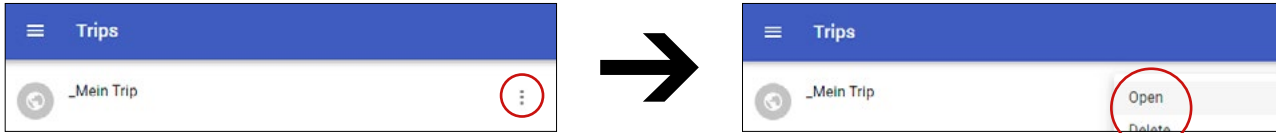
specify the content of the email, optionally with variables

Email recipients
bn .ch

SEND TEST MESSAGE

ProteGear.io → TRIPSHARE : Possible parameters for TRIPVIEWS:

Open the TripView on the page <https://protegear.io/tripshare/#/trips>



You can pass on the link of the then opened website to your friends and family.

Options in TripView: Map types Satellite, Hybrid, Terrain, Roadmap, Tracking track

GPX Export: Export all or single tracks via GPX or link to other websites via URL (e.g. <https://umap.openstreetmap.de/en/map/new>).
 GPX export must be unlocked/locked under TripShare → EditYourTrips.

For integration into your website as iFrame:

```
<iframe src="https://protegear.io/tripview/....."></iframe>
```

Additional parameters when calling a TripView URL

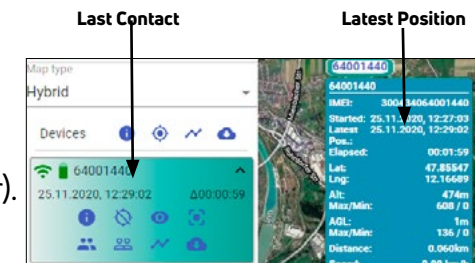
(at the end of <https://protegear.io/tripview/show?trip=.....>):

Parameter/example	Function
&track=all	shows all tracks since start time of TripView
&track=IMEI1,IMEI2,...	shows only the tracks of the specified IMEI numbers
&info=all	starts the TripView web page with all info pop-ups displayed
&info=IMEI1,IMEI2,...	starts the TripView website with the info popups for the IMEIs
&zoom=6	opens a certain zoom level around a virtual polygon of all last coordinates
&devices=1	display the left devices panel or =0 (default)
&timeline=1	display the global timeline= or =0 (default)
&hidetitle=1	do not show the title, only the menu icon) or =0 (default)
&since=PTxxH	shows past data only for xx hours before the page is called

Difference Last Contact vs. Latest Position

Last Contact shows the actual last connection, which was established without a sufficiently good GPS signal (e.g. indoor).

Latest Position is the last valid position signal (because good GPS signal available).



ProteGear.io → SMARTSAFETY : Calls for help even if you can't

SmartSafety is an automatic monitoring & emergency call system for early detection of critical situations. Reduces rescue response times by up to 90%. With comrade rescue navigation.

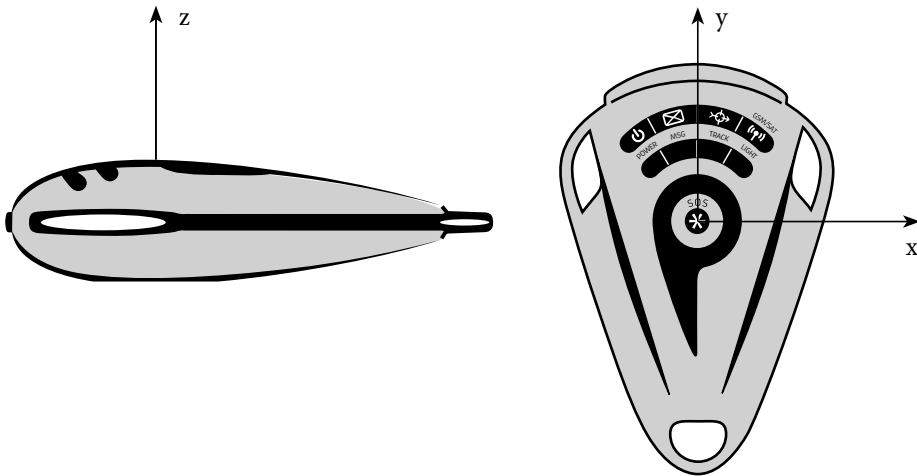
SmartSafety makes sure that critical situations do not go unnoticed, even if you can no longer react yourself, e.g. ... Abtreiben (zB am offenen Meer)

- Treeholes (pits in the snow around tree roots)
- Falls of any kind
- unconsciousness e.g. due to fall, heart attack, lack of oxygen
- Allergic shocks Lawinen
- Severe injuries
- **Crash ... and many more**
-

The possible alarm scenarios, their triggering and termination can be found on the next page.

The DEADMAN is the "ultimate" last safety line, which triggers even if there is no more connection, e.g. because the device has been destroyed, no radio connection can be established or the battery is empty.

For CRASH recognition it is also possible to set the axes to be measured, which are arranged as follows



ProteGear.io → SMARTSAFETY : Manual and automatic alarm detections, notifications and escalations

FLEET
group tracking devices


PROFILE
tune automatic alarm scenarios
CRASH
ZONE
HALT
HEIGHT
ALTITUDE
ZONE
EXTERNAL
SPEED / VSPEED
DEADMAN

TOUR (ZONES)
set geo-fences for ZONE detections
(SAFE, DANGER, REST)

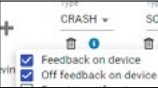
CONTACTS
Emergency contacts for GEOS RCC

NOTIFICATION
set 1st line alarm recipients for
SMS, Email, Telegram, API
and individual AlarmUp / Down Messages







TRACE
Setup of the **monitoring** based on the definitions Fleet, Tour and Profiles




Trace-Map
Shows current state of each device according to the PROFILE 

Define Alarms
enables alerts sent to your selected contacts (notification)


Feedback on Device
shows states like alarms, pause and rest zone directly on the device. 

Define Escalation
forwards your alarm to professional rescue facilities (default setting: GEOS RCC)
Automatic alarms are delayed by default

State/Alarm	How State/Alarm goes UP	How to end State/Alarm (DOWN)
POWER ON / OFF	Power On (PAUSE END) / Power Off (PAUSE START)	
REST 	Inside the REST zone (blue zone in TOURS/ZONES), no automatic alarms are triggered.	Leave REST Zone → move to SAFE zone
PAUSE 	1) Appears after Tracking Stop (long press button TRACK) or Power Off. 2) Appears with PAUSE-on-site (2x button TRACK): tracking continues, but: No automatic alarms are triggered in PAUSE state!	1) Start TRACK (long press) or POWER ON 2) Leave PAUSE diameter set in PROFILE
NOT-MOVING	Device motionless for at least 15 min. Triggers a "PAUSE START" in PROFILE default setting	Move the device to wake up → Pause ends
BATTERY 	Battery charge below 25%	Charge the device
SOS 	Manual SOS call: Press quickly 3x 	CANCEL-SOS: Press quickly 3x 

Automatic Alarm Detections (   if "Feedback on device" is active)

HALT	Standstill (moving less than x meters within y minutes) ¹
HEIGHT	x meters above ground (AGL) exceeded / below / inside ¹
ALTITUDE	x meters above sea level (AMSL) exceeded / below / inside ¹
ZONE	Inside any DANGER zone (red zone in TOURS/ZONES)
EXTERNAL	External sensor has been triggered (e.g. airbag via Bluetooth)
SPEED / VSPEED	Horizontal or vertical speed exceeded or fallen below
CRASH	Shock above x g-force and eventually subsequent standstill within y minutes and z meters ¹
DEADMAN (active)	Absence of a specified manual action on the device (e.g. preset-message) since x sec ¹ .
DEADMAN (passive)	A) "Only Outdoor": Bad GPS reception triggers alarm after x sec. ¹ even if connected B) "Indoor + Outdoor": Absence of any regular tracking since x sec. ¹ triggers alarm This is the ultimate state when your device is „offline“ for whatever reason (destroyed, battery empty, no connectivity)

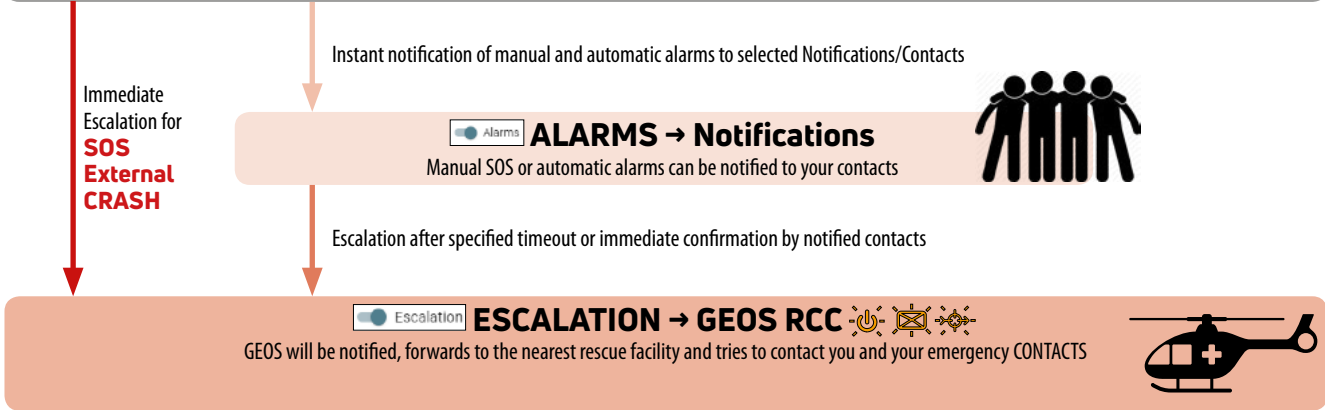
Press quickly 3x  to CANCEL the alarm
(→ sends „I am fine“-Message to Notifications)

If automatic alarm scenario is still upheld (e.g. you are still in DANGER-ZONE) the alarm is triggered again delayed after x minutes.¹
alternative: Pause the tracking (2x TRACK)

Check for device working and connecting under the open sky

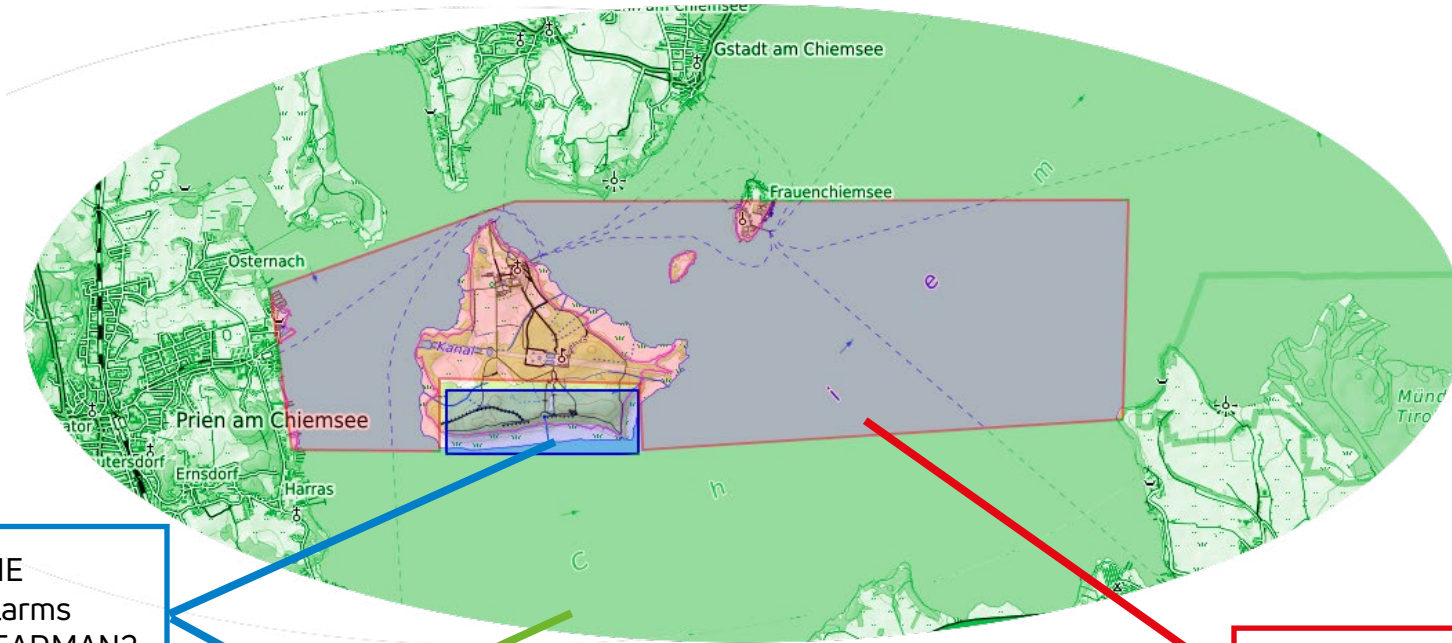
¹) The distances or times replaced above with x, y, z can be set individually in menu PROFILE. Also time slots can be limited for each scenario.

Important to know:
All actions on the device (POWER OFF / PAUSE / Automatic Alarm) must be confirmed by the server before they are visible on the device. Therefore some time may pass between action and reaction, especially in satellite mode.



SmartSafety: Example for TOURS / ZONES (Geofences)

BaseLayer **DANGER**



REST ZONE
disables all alarms
except SOS and DEADMAN2

SAFE ZONE
deactivates ZONE alarm

DANGER ZONE
triggers ZONE alarm

BaseLayer **DANGER**

