protegear.io Administration

TripShare
SmartSafety

ProteGear®

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   Distance unit
km/h   Kilometers

Devices in trip

Important: Please choose your visible devices here!

DEVICES
name and activate/suspend devices

✕ Edit device

IMEI
300434(

Second IMEI
868446(

Model
ALIVE1G

Name
64(

Comment

Activate/Deactive satellite connection
You can activate or suspend the satellite connection of your dev

📶 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
to   r@protegear.global

Connected to Device: 3004340(

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

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

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

CC Address
br   ise.ch

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

You can specifiy the maximum length of messages. As they are f

Maximum length
160

Message longer thant 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 this event

● 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 what this hand

The handler will be activated for the selected devices   ◯ Show only selected devic

filter devices

☑	Device
☑	300434064003510 64003510

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 ℹ
● Use the globalmail adress as the FROM field if available and active

EMail subject
Alles OK!

Email content
Alles OK! hier: www.google.com/maps?q={{.Event.Position.Latitude }},{{.Eve

specify the content of the email, optionally with variables

EMail recipients

SEND TEST MESSAGE

Important: The link (URL) to the preset basic trip
is stored in the "Share LiveTracking SEND-EMAIL"
handler. If this trip has been changed or deleted, the
link must also be updated here.

ProteGear.io → TRIPSHARE : Possible parameters for TRIPVIEWS:

Open the TripView on the page https://protegear.io/tripshare/#/trips
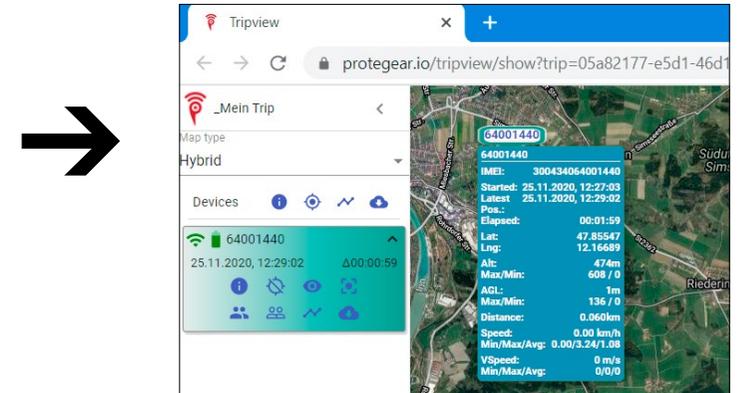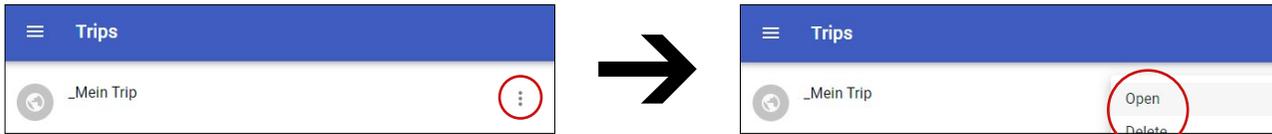
You can pass on the link of the then opened website to your friends and family.

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, even when it had only poor GPS signal (e.g. indoor).
Latest Position is the last valid position signal (because good GPS signal available).
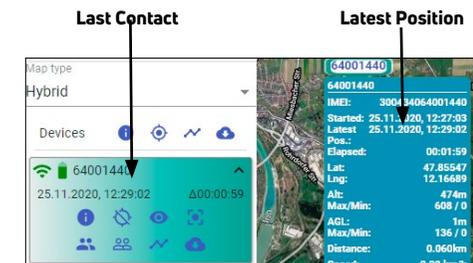
ProteGear.io → SMARTSAFETY : Calls for help even if you can't

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. ...
- Drifting (e.g. on the open sea)
- 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
- Avalanches
- 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
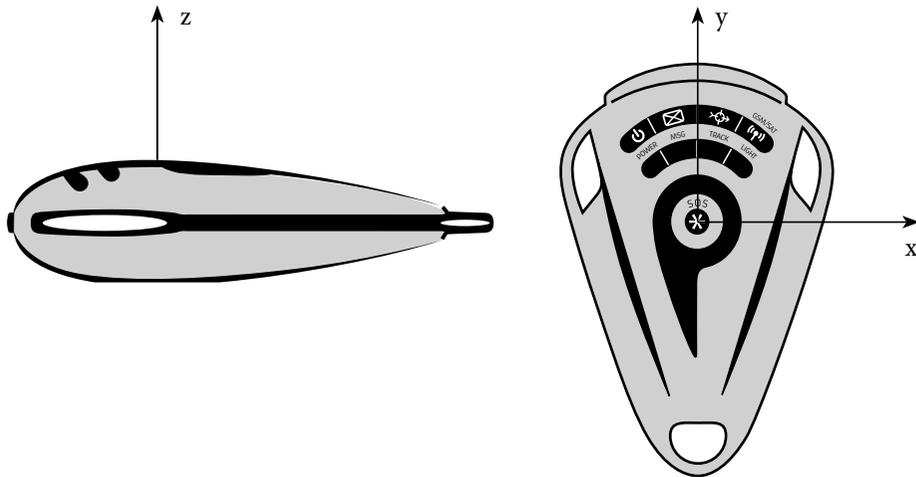
Special Advise for possible conflicts of scenarios:

The State PAUSE can be triggered by:
(during PAUSE all alarms - except manual SOS - are disabled)
- POWER OFF (quickly 3x Button "POWER")
- TRACK-STOP (Long press on Button "TRACK")
- PAUSE (quickly 2x Button "TRACK" → tracking continues, but monitoring starts only after PAUSE-radius has been left)
- NOT-MOVING (Device is completely motionless for 15 minutes → conflict with Alarm "Motionless"!)

DEADMAN
To prevent false alarms when device just falls asleep, the option "NOT-MOVING starts PAUSE" (in PROFILE/PAUSE) should be activated

MOTIONLESS
starts an alarm when the device has been motionless for the given time (usually 0.5 – 12.5 minutes)
→ possible conflict when the option "NOT-MOVING starts PAUSE" has been activated, as it will end the Motionless alarm after 15 minutes
→ recommended to disable option "NOT-MOVING starts PAUSE"

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

FLEET
group tracking devices

PROFILE
tune automatic alarm scenarios
CRASH
MOTIONLESS
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.
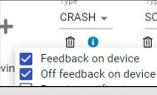
Define Escalation
forwards your alarm to professional rescue facilities (default setting: GEOS RCC)
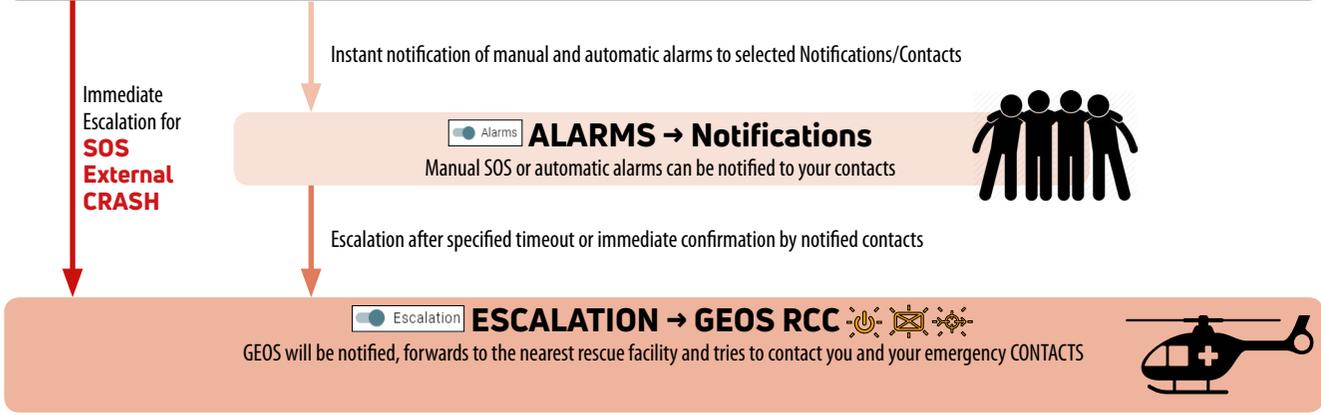Automatic alarms are delayed by default

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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)

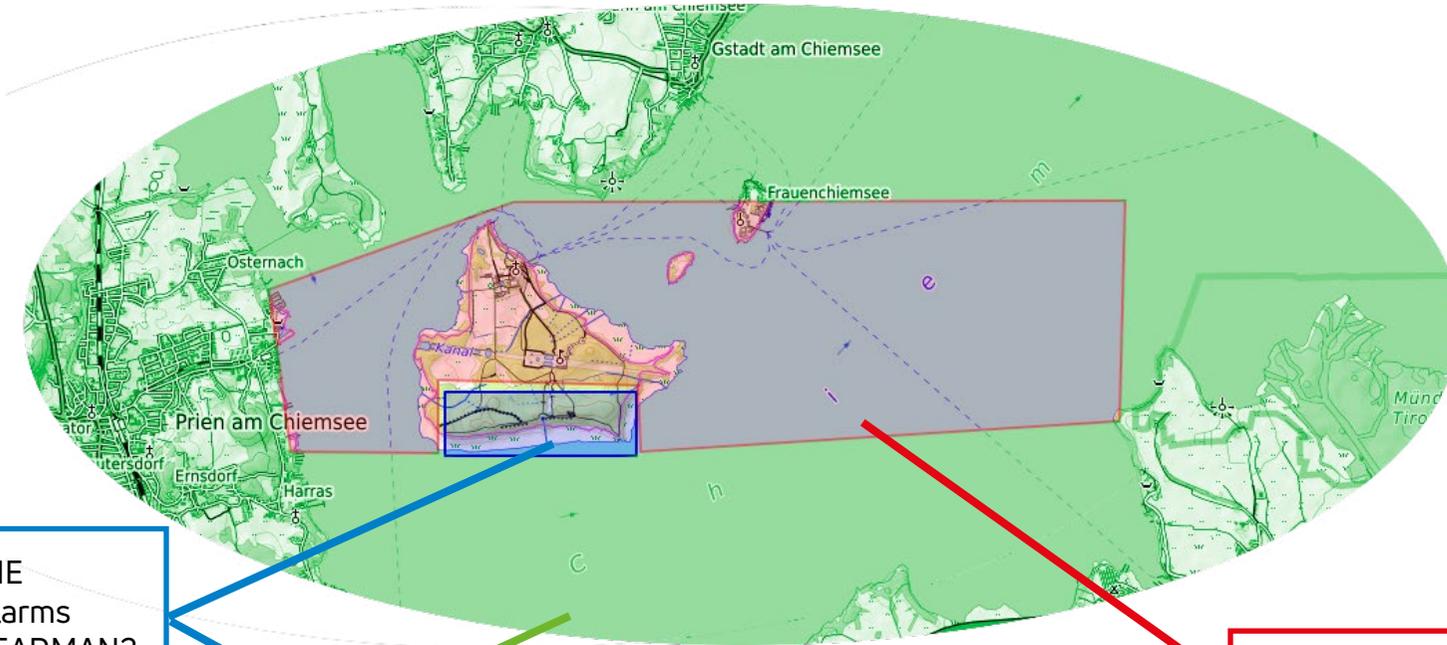|		
HALT	Moving less than x meters within y minutes[1]	
MOTIONLESS	Completely motionless since x minutes[1]	
HEIGHT	x meters above ground (AGL) exceeded / below / inside[1]	
ALTITUDE	x meters above sea level (AMSL) exceeded / below / inside[1]	
ZONE	Inside any DANGER zone (red zone in TOURS/ZONES)	
EXTERNAL	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)	Check for device working and connecting under the open sky

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)

[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.

Immediate Escalation for
**SOS
External
CRASH**

Instant notification of manual and automatic alarms to selected Notifications/Contacts

⬤ Alarms ALARMS → Notifications
Manual SOS or automatic alarms can be notified to your contacts

Escalation after specified timeout or immediate confirmation by notified contacts

⬤ Escalation ESCALATION → GEOS RCC ☼ ✉ ✛
GEOS will be notified, forwards to the nearest rescue facility and tries to contact you and your emergency CONTACTS

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**