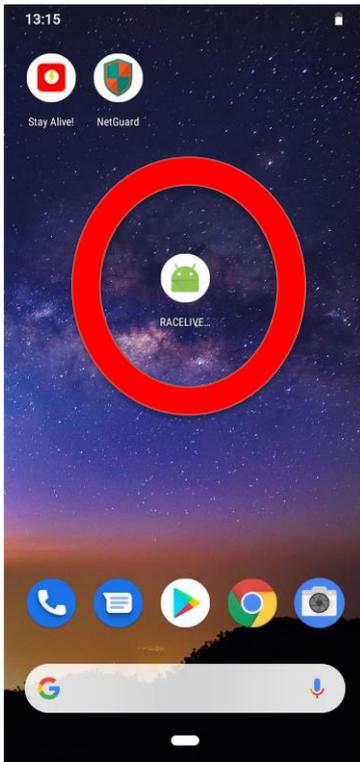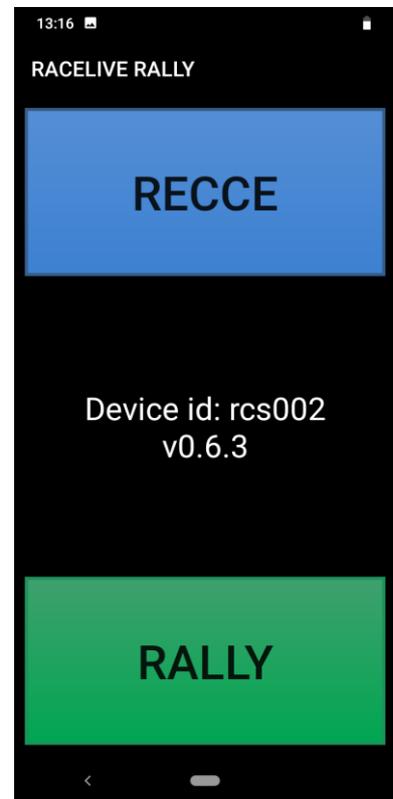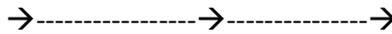# GPS Safety Tracking - User's Manual

In FRC events all cars will be equipped with a GPS safety tracking device, run by AKK Sports with Trax-meet. Tracking is done using the equipment and the installed application. Below you can find the main features and operation instructions, installation instructions have been given separately.

Opening Screen

The deive and tracking application is already open when you receive the device. Device SHOULD NOT be turned off during the rally.

Screen may be turned off by quickly touching the power button, and re-actived same way.

→----------------→--------------→

I you accidentally close the application and
re-open it,
you choose reconnaissance tracking
(RECCE) or
(RALLY) tracking.
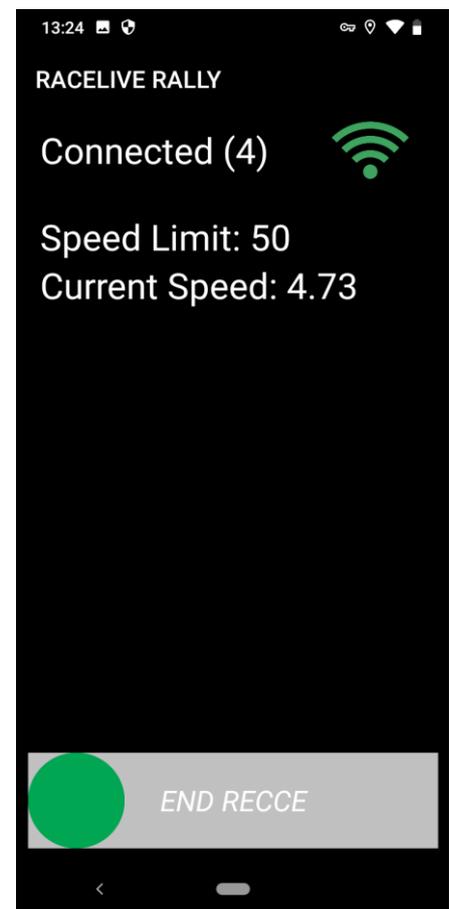
Reconnaissance Tracking

If you press **RECCE** on the start screen, the view pictured on the left will open, as the device is searching for connection.
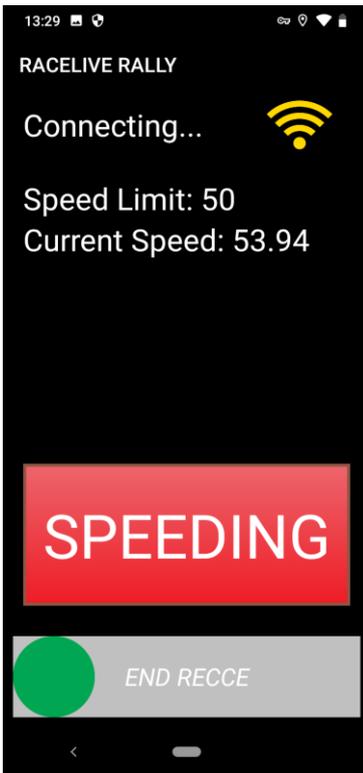
Once connected, the device will show a possible speed limit set by the organiser for a certain area (e.g. a special stage) and the your current speed.

All competitor movement within special stage areas will be registered in the application database and can be used afterwards to monitor speeds etc.

Once you finish reconnaissance, you can stop the tracking application by gliding the green dot at the bottom of the screen to the right.
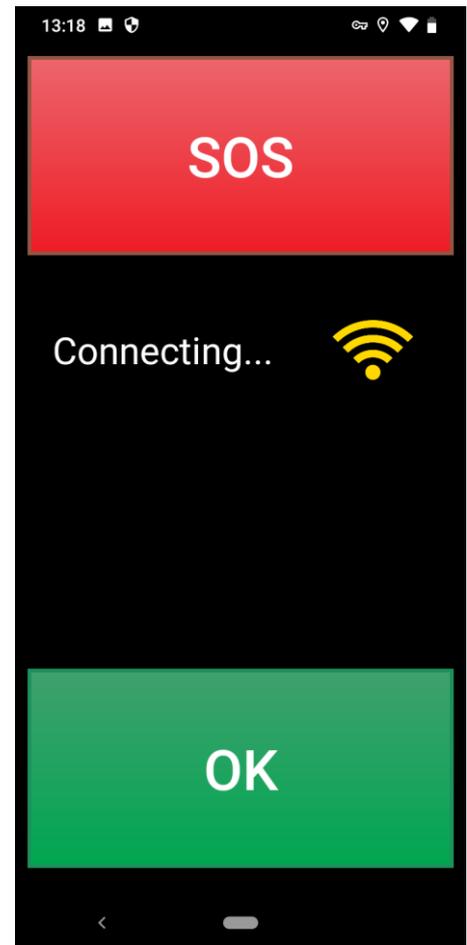
Reconnaissance Tracking continued...

Should you go over the speed limit set by the organiser, the device will show this to the drivers **(SPEEDING).** The device will not show any speed limits set by the road authorities.
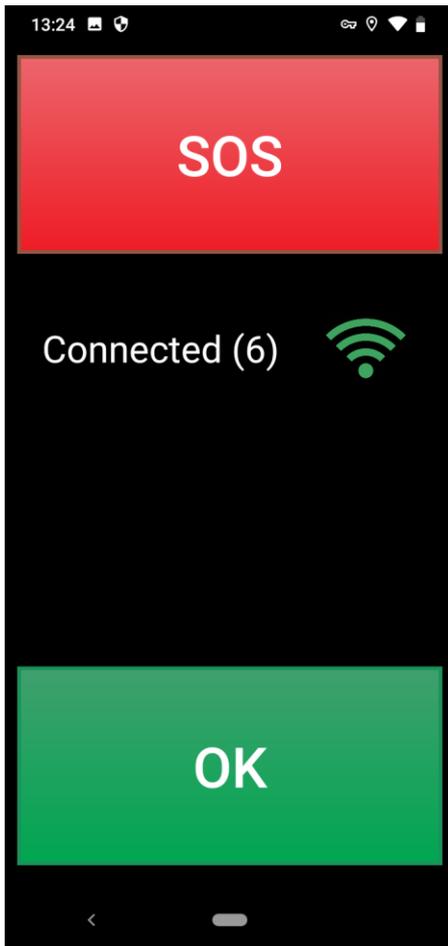
Any speeding will be stored in the application database.

Rally Tracking

When you have chosen **RALLY** tracking from the start screen, the view pictured on theright will open to the screen, as the device is searching for connection.
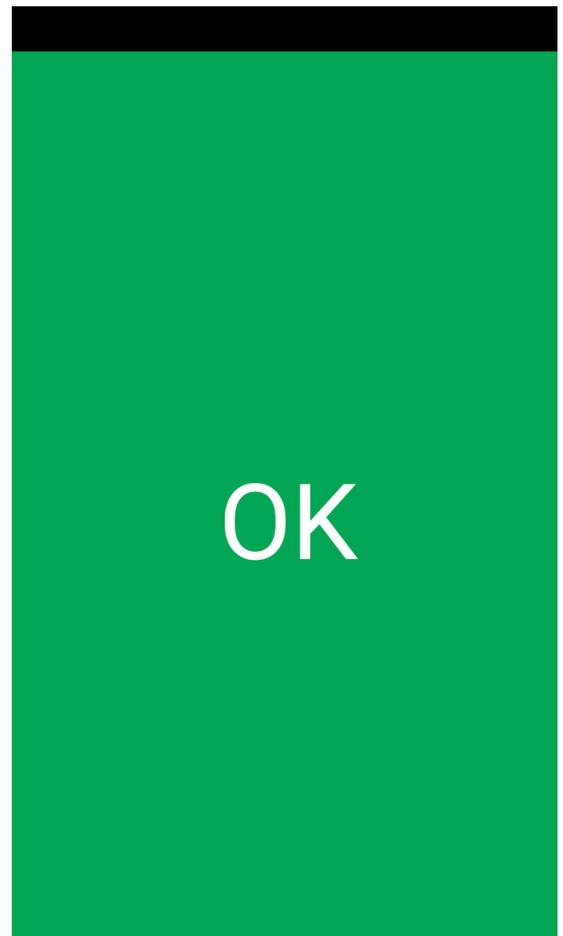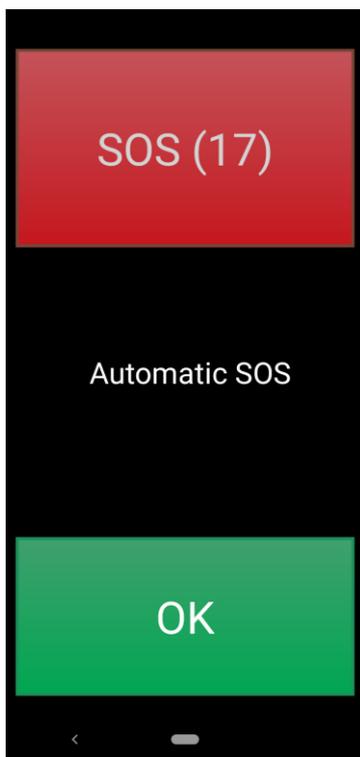
Rally Tracking continued...

Once connected, the device will show the basic status with OK and SOS buttons, and the connection confirmation.

If you need to stop on stage to change a tyre or something, but there is no need for medical or fire assistance, not any danger to the surrounds, you must press OK on the basic status screen.

When OK is pressed, the screen goes green. It will automatically return to basic status after approx. 5 seconds after pressing the OK and the message having gone through to the system..

Accidents - SOS

If you stop during the rally e.g. to change a tyre, the device will automatically start an SOS alarm in about 20 seconds.

The time before the alarm is made can be seen on the SOS button (17 seconds remaining on the sample screen). It takes about 40 seconds from the moment of stopping to the time of sending the SOS.

You can dismiss the automatic SOS before it is sent by pressing OK. The Auto-SOS re-activates once the car is moving again at a minimum speed of 20 kph for at least 20 seconds. Unfortunately we are still in the middle of coding the system and this feature also works outside the stage areas, meaning there will be false alarms from refuels or TC queues.
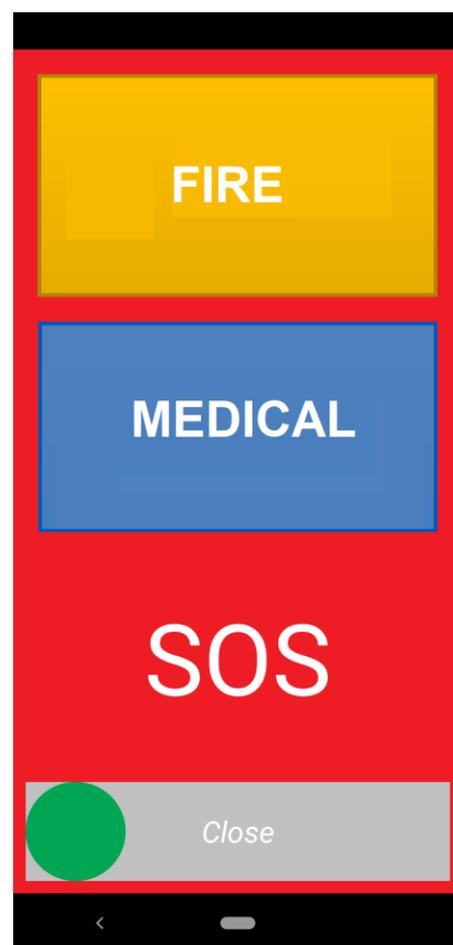
It will help the workload of the Rally Control significantly, if when stopping on a stage, you could press the OK before the alarm is sent off. Should the alarm be sent, the device will go back to basic status.

Should a competitor have an accident where help is needed, he needs to press the SOS button on the RALLY screen.
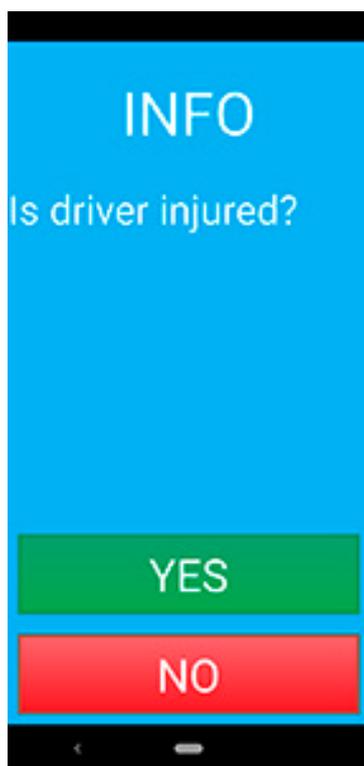
Pressing the SOS button will take the application to the mode seen on the right, with three options for the user:

1. Cancel the alarm by sliding the green dot to the right.

2. Confirm the alarm and ask for medical assistance by pressing MEDICAL.

3. Confirm the alarm and ask for extinguishing assistance by pressing FIRE.

After pressing FIRE/MEDICAL the button will flash for a while and the device will return to basic status.

Accidents - Communication

The Rally Control has an option to communicate with the car, e.g. to get more information on the seriousness of an accident, number of patients or their condition.

The screen will then show the INFO text, the question underneath and the answer options

YES
NO

The drivers must answer accordingly. There may be multiple questions following one after the other.

Accidents - Red Flag

The application is equipped with an option for the Rally Control to send a Red Flag notification and thus stop the stage for these cars, e.g. in case of accident, road block or other reason.

Should you receive a Red Flag on the screen, you must confirm its reception by pressing the OK at the bottom of the screen.