Rallycheck instead of Rallysafe

What's the difference?
After many years of being a front-runner in classic rallying with different track and trace systems, we found that Rallysafe would give us what we needed. And it has for many years. With the track and trace abilities combined with the satellite connection, we could follow you anywhere and keep an eye out for your safety whilst using the tracker data for our results.

Rallycheck is a smartphone application, instead of external hardware we install in your car. With the functionalities in the app, we will be able to track you, just as Rallysafe does. We will be able to collect your timings, just as Rallysafe does.

The difference? Not much and a lot! You install the app on your own smartphone instead of us, installing hardware in your car. This means that you are responsible for the correct functioning of your phone the entire time. The marshals timekeeping is directly registered into the same system as the app uses to send its timing to, and this should make the results available easier and faster.

What do I need?
The app is downloadable for Android:
https://play.google.com/store/apps/details?id=com.rallycheck

The app is downloadable for Apple: https://apps.apple.com/nl/app/rallycheck/id1475777408

General info on the general workings of the App are available on: https://rallycheck.com/rallycheck-user-manual/ and: https://rallycheck.com/videos/

In addition you can find a clear set of instructions of how to use the App in the Winter Trial below.

Best practice
Driving a rally using the Rallycheck app is very simple and intuitive. We recommend the following practice for the best user experience:

- Use a phone mount in your car. Mount it to the front windows or the dashboard
- Mount the phone horizontally in the phone mount, most users say this works best
- Don't forget a USB charging cable to charge your smartphone during the rally

Don't forget your USB car charger! We recommend using a charger with an output of at least 2.1A. Some (less expensive) chargers only have 1A output, that may be less than your smartphone uses when GPS is enabled.

 What if my car does not have a cigarette lighter for a USB charger?

- Use a power bank
- Mount the power bank on a fixed location in the car
- Connect the power bank to your smartphone
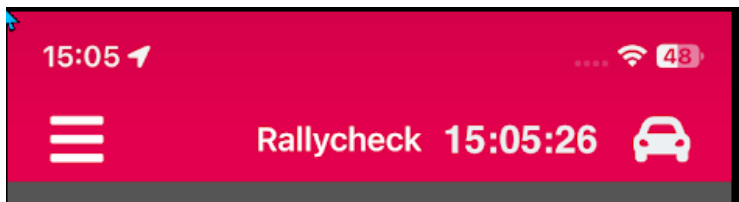- Make sure the power bank is fully charged before use!

When selecting a power bank, we recommend a powerbank with sufficient power, for example > 7000mA

Driving with the app in the Winter Trial

Below some special aspects of driving with Rallycheck App in the Winter Trial, please read the general instructions, as mentioned above, first.

Please note that the App should be active (on the fore ground of your phone) while driving, if you don't want to miss any controls!

Rally Time

Your Rally time is the time as displayed by the Rallycheck App on your phone.

There may be a slight difference from the time on the marshal's phone, or a GPS or radio clock, but the time on your phone is leading.
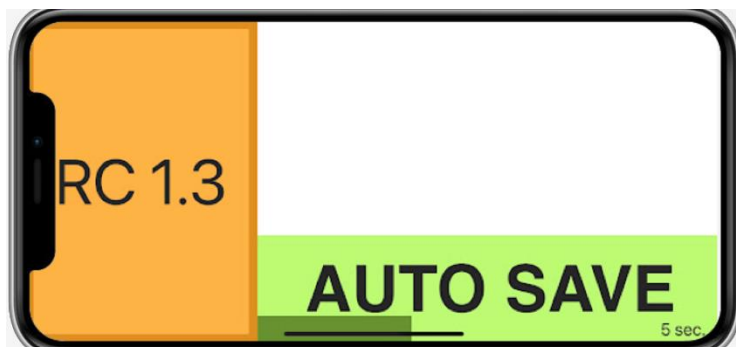
We advise you to start your stopwatch <u>at the start of a regularity section</u> when your clock is at 00 (or 30) seconds. Only then will your driving time match the time recorded by Rallycheck at the Timing Points.

General

When using the app, and entering the proximity of a control, the control will be shown on screen. The app will also sound a chime (three times) to attract your attention. In the Winter Trial there is normally no need to react to the shown controls by clicking on the screen, only with a few optional exceptions. We will explain them later on.
In the Winter Trial ALL controls will be automatically saved.

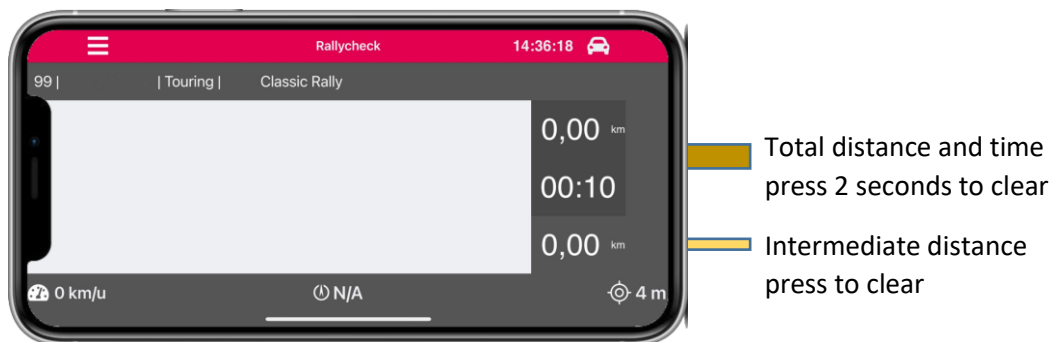For example: the passage of control RC 1.3 (in a navigation section).

Route controls can be passed multiple times and will be shown on screen every time you pass their position.

The green button shows "AUTO SAVE". This means that the route control will be automatically saved. Depending on what the organizer of the rally has configured, the speed and/or the time of passage will be noted on the control card.

1.1.Tripmaster

The Rallycheck app has a double tripmaster. You can measure the distance of travel using a tripmaster.

The top distance and time can be used as a total distance. The lower distance can be used for measuring intermediate distances.

Total distance and time
press 2 seconds to clear

Intermediate distance
press to clear

The Tripmaster is updated every second. The distance shown is in Miles or Kilometers and has two digits after the decimal point. 1.04 km is equal to 1040 meters.

You can change the scale from km (Kilometer) to mi (Miles) by changing the scale in the "Settings" page.

Disabling the Tripmaster
Use the option via the "Settings" page to disable or enable the use of the Tripmaster. This option is only available when the rally organizer has activated the use of the Tripmaster for your rally Class.
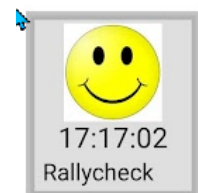
Tripmaster unavailable
The rally organizer can decide to enable or disable the use of the Rallycheck Tripmaster.

1.2 MC and TC
A normal MC (Main Control) or TC (Time Control) will always be manned in the Winter Trial. This means that a marshal will register your time. The MC's and TC's will not show up on the App.

1.2.1 Activity check
Shortly after leaving the MC area you will pass an activity check along the route. If the app does NOT give you this control, you are not active and none of the following controls will be activated. The location of this control will be marked in your map book. It might be a smiley or the Winter Trial logo.

1.2.2 TCL Time Control Logger

Unmanned TCL's will only be used during the Night Loops (Trial Only).

A TCL is shown as a yellow control. A TCL has a running clock on screen and is only visible when the participant is in the TC-zone. These controls will be made visible by a Yellow Clock sign at the beginning of the TC-zone (+/- 50 m before the actual control) and a Red Clock sign at the TC location. **You MUST wait behind the yellow board if you are early!**

When selecting "Click to Save" the TC is saved and the moment of selection is saved as TC time. At a TC the competitor can decide which time to save.

If you don't save the time and leave the TC-zone, your time of leaving the TC-Zone will be registered as your TC time. So, saving the time is only necessary if you want to register the time, but don't want to leave yet.

If you <u>really do not</u> want to save the TC, maybe you skipped one, select "Cancel".

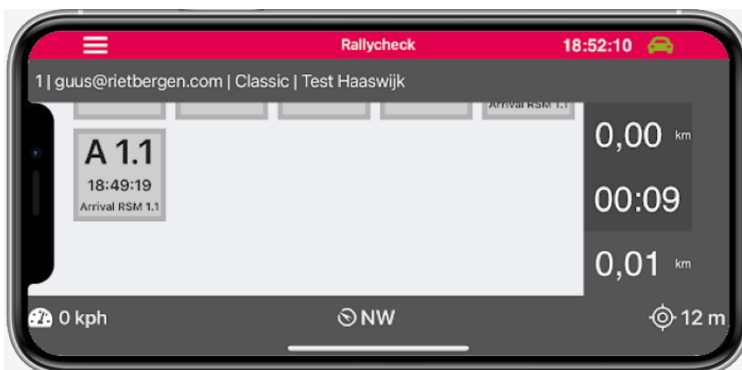### 1.2.3 Arrival Time at RSM (Regularity Start Manned) and TS (Test Start)

As you come to an RSM or TS a delay may occur because of a row of cars that is waiting for their turn to start. In order for you to cope with this possible delay, an automatic Arrival Time will be given on the approach to a manned start.

This delay will be carried forward to the next Time Control. The delay will only apply when there are more than 3 cars in front of you in the queue.

(see the regulations for a better understanding of the Arrival Time)

1.2.4 RSM (Regularity Start Manned)

A marshal will be at the start location. He/she will ask for your timecard and note your start time in the appropriate timebox. The marshal will then hand you back the timecard and count you down from 5 seconds to **your** starting time. You do not have to do anything with the APP nor will the control, other than the arrival, appear on your phone screen.

Please note that the Rally time is the time on your phone!

For the correct timing at the Timing Points You should start your stopwatch at the moment your clock shows 00 (or an occasional 30 sec). **Like the RallySafe, your time overrules the countdown of the Marshal.** If you also want to use the tripmaster/timer in the App, please see below at the RSL/RSS.

1.2.5 RSL Regularity Start Logger

The rally road book should clearly state the location of the start of a regularity. As a participant you drive to the relevant location. A red control board with the image of a black flag should mark the location. There is a zone at the location of the start of a regularity. In the Rallycheck app your display will show this with the time running.

- Place your car at the starting point.
- Zero your tripmaster
- Set your stopwatch to 0

Start driving and the app will register the start time, rounded down to the whole minute, at the moment you leave the area and the display stops showing the RSL.

When starting the regularity, also start your stopwatch at the moment the clock shows 00 seconds.

You can just drive away, the regularity will always start the timing at the rounded down whole minute of leaving the zone.

Do not press Cancel, as this will cancel your start and you will receive the maximum time penalty for not driving the regularity!

<u>Optionally,</u> you can also press "Click to Save" and the start time, rounded down to the minute, will be recorded. Press at your exact starting mm:00 in order to start the Rallycheck tripmaster and timer at 0 for your personal use.

Please note that if you click too early, like 10:09:58 your start time will be 10:09:00 and the timer will be 58 seconds behind!

1.2.6 RSS Regularity Self Start

The rally road book should clearly state the location of the start of a regularity. As a participant you drive to the relevant location. A red control board with the image of a black flag should mark the location. There is a zone at the location of the start of a regularity. In the Rallycheck app your display will show this with the time running.
Your Time card (and the App) will show number of minutes to add to the previous TC time.

- Place your car at the starting point.
- Zero your tripmaster
- Set your stopwatch to 0

Start driving when it is your minute (your time at the TC plus the extra minutes).

When starting the regularity, also start your stopwatch at the mm:00 (or the occasional mm:30) of the clock on your screen).

You can just drive away, the regularity will always start the timing at your fixed time (TC + x min.).

Optionally, you can also press "Click to Save" at your exact starting mm:ss in order to start the Rallycheck tripmaster and timer at 0 for your personal use.

Do not press Cancel, as this will cancel your start and you will receive the maximum time penalty!

==Important: Remember that 'Click to save' is always optional. With an unmanned TC (TCL) you can leave the zone in the correct minute without clicking. This also applies to a Self Start (RSS), the time is already recorded at the TC. With a Logger Start (RSL) you can also leave in the desired minute and that time is recorded.==

1.2.7 TP's (Timing Points)

The organizer will implement TP's on the regularity route. The Rallycheck app shows the control (very briefly) on screen. Also this type of control is automatically saved. At a Manned Timing Point the App will warn you for the marshal. See the examples:
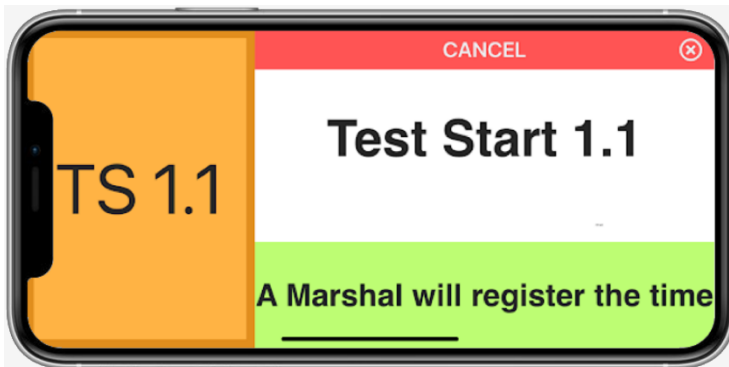

The (Hit) time shown on the screen will not be the exact time you passed the TP, but about one or two seconds later. Calculation will be done with the Exact Passing time, as calculated by the server.

At the Rejoin Point a screen like this will show.

1.2.8 TS (Test Start)

A marshal will be at the start location. He/she will ask for your timecard and note your start time in the appropriate timebox. The marshal will then hand you back the timecard and count you down from 5 seconds to your starting time. You do not have to do anything with the App.

Please note that your start and finish times will be registered by **the clock of the Marshal App,** not yours. You must start at the Go! Of the Marshal. The finish Marshal will time you at the stop astride at the finish line.

During a test you might see a screen like this to check if you are driving the correct route.
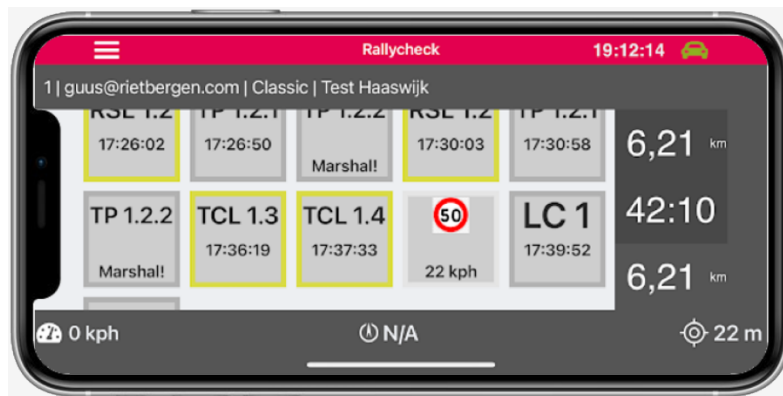

Or during a Lap Consistency test.

1.2.9 SPC/SPW Speed Checks / Speed Warnings

The organizer will implement Speed controls anywhere on the route. Speed checks will usually, but not always, have a warning sign, before your speed is measured. You will be given a warning upon entering the area so you have a chance to reduce your speed.

The following picture shows an example of the various controls on the control card:

You can go and drive Leg 0 (as many times as you like) to get used to how Rallycheck works.