



RALLYCHECK GUIDE

INFORMATION ABOUT THE APP



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 **PELSTER**
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 **TOYOTA**

 **ROBEY**

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THE RALLYCHECK APP

THE GOLDEN RULE

On the Winter Trial, every control in the app is saved automatically. You never need to press anything to have a control recorded: just keep the app open and drive.

Rallycheck is the smartphone app we use to record your results during the rally, and sometimes your speed.

Three things to remember:

- 1. Keep the app open in the foreground while driving.** If it runs in the background, you may miss controls.
- 2. "Click to Save" is always optional.** On some controls the button appears, but your time is recorded anyway when you drive away. Press it only if you want the app's own tripmaster and timer to start from zero.
- 3. Never press "Cancel".** Cancelling a regularity start deletes your start, and you will receive the maximum penalty.

PHONE AND SOFTWARE REQUIREMENTS

- **Smartphone only:** tablets are not supported.
- **iPhone:** iOS 15.6 or newer is required, and your iPhone model must still be supported by Apple (check the list).
- **Android:** no minimum version is published; your Android version must still receive security updates from its maker (check the list).
- **Always update** to the latest operating system and the latest Rallycheck app version before the rally.
- **Newer is better:** a recent phone usually has the best GPS chip and enough memory. A phone has only one GPS chip, so close other apps that use your location while you drive.

Sources: [Rallycheck FAQ](#).

The Rallycheck app also has general instructions that apply to all rallies. Where those differ from this guide, for example where they ask you to press Save, the Winter Trial rules in this guide apply.

BEFORE THE RALLY

Install the app and create an account

- Android: [Google Play](#)
- iPhone: [App Store](#)

Open the app, choose **Register** and enter a valid email address, a password of at least 6 characters and your phone number, then confirm your email address via the link you receive. Use the same email address you gave the organisation, because that is how your account is linked to the rally.

Open the menu (top left) and choose **Select rally from list**, then select the Winter Trial.

PHONE SETTINGS

- **Location services:** allow location access and set it to **Always**, so your position is still recorded if the app is briefly in the background. Rallycheck only records your location while a rally is active.
- **Mobile data:** keep it on. The app downloads the controls and sends your results to the server during the rally.
- **Volume:** set it as loud as possible; classic cars, and open cars especially, are noisy. On an iPhone, use **Settings > Change the volume** in the app.
- **GPS reset each morning:** close all apps, switch the phone off, wait 30 seconds, switch it on, wait for an internet connection, then start Rallycheck. This solves most GPS problems.

IN THE CAR

- Use a phone mount on the windscreen or dashboard, and mount the phone **horizontally**; most users find this works best.
- Charge the phone while driving, with a charger of at least **2.1 A**. Cheaper 1 A chargers may deliver less than the phone uses with GPS on.
- No USB socket or cigarette lighter? Fix a fully charged power bank of more than 7,000 mAh in the car and connect it to the phone.

The status field at the top right of the app shows whether everything is ready, for example *Active*, *No internet* or *GPS off*. Tap it for a checklist of what is wrong and how to fix it.

More general information: the [Rallycheck user manual](#) and [videos](#).



RALLY TIME IS THE TIME IN THE APP

Your Rally Time is the clock shown in the top bar of the Rallycheck app. It may differ slightly from the marshal's phone, a GPS clock or a radio-controlled clock, but **the time in your app is leading**.

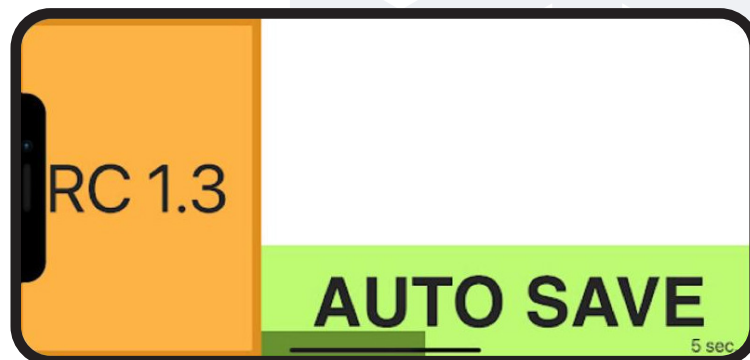
On a regularity, start your stopwatch when the app clock shows **00 seconds** (or occasionally 30 seconds). Only then will your own timing match the times Rallycheck records at the Timing Points.

The bar at the bottom of the screen shows your GPS speed, a compass and the GPS accuracy in metres, normally 2 to 6 m. If there is no GPS signal for 10 seconds, a red GPS block appears; speed and compass are then unreliable, but the clock keeps running.

HOW CONTROLS APPEAR

When you approach a control, it appears on screen and the app chimes three times. The coloured board on the left names the control; the green bar shows **AUTO SAVE**, meaning the control is saved automatically. Depending on the organiser's settings, the time and/or your speed are written to the control card in the app.

The example right is route control RC 1.3 in a navigation section. Route controls can be passed more than once and appear each time you pass them.



Controls come in two colours:

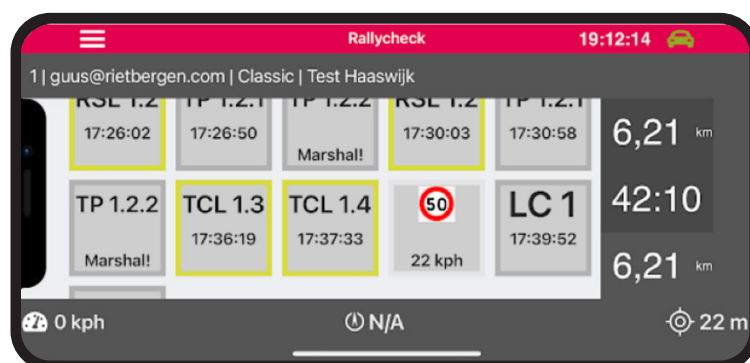
- Orange board: a control that is saved the moment you pass it (route controls, Timing Points, arrivals).
- Yellow board: a control with a running clock, where the time you leave counts (unmanned Time Controls and regularity starts). These show an optional Click to Save button; see the next section.

THE CONTROL CARD

Every saved control is added to the control card on the main screen, so you can check what has been recorded.

THE TRIPMASTER

The app has a double tripmaster. Experience shows that a GPS-based tripmaster is never as accurate as a wheel-driven one, so **use it only as a back-up**.



Display

Top: distance + time
Bottom: distance

Use

Total distance
Intermediate distance

Reset

Press for 2 seconds
Press once

- The display updates every second, to two decimals: 1.04 km means 1,040 metres.
- Switch between kilometres and miles under **Settings** in the menu.
- You can switch the tripmaster on or off under **Settings**, but only if the organiser has enabled it for your class; the organiser can also disable it altogether.

THE CONTROLS ONE BY ONE

The controls below appear roughly in the order you meet them during a rally day.

MC AND TC: MANNED, NOT IN THE APP

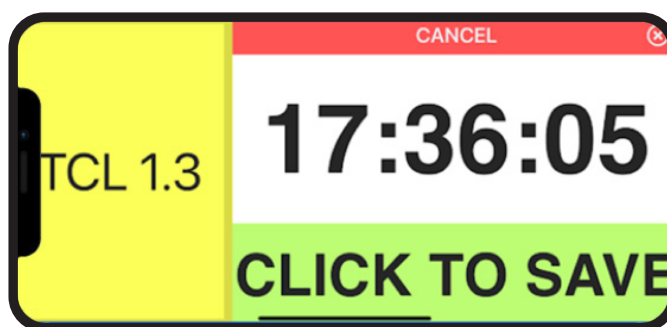
On the Winter Trial a normal Main Control (MC) or Time Control (TC) is always manned: a marshal records your time on your time card. These controls do not appear in the app.

ACTIVITY CHECK: IS THE APP RUNNING?

Shortly after leaving the MC you pass an activity check, shown in the app as the Winter Trial logo. Its location is marked on your map. **If the app does not show this control, it is not active and none of the following controls will be recorded.** Stop and check the status field.

TCL: UNMANNED TIME CONTROL (TIME CONTROL LOGGER)

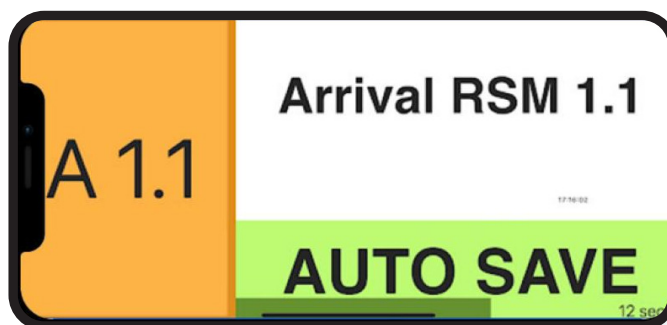
Unmanned TCLs are used on the Night Loops (Trial only) and in navigation sections.



- About 100 m before the control, an “approaching TC” warning marks the start of the TC zone.
- Inside the zone a yellow board with a running clock appears, and a red clock sign (on screen only) marks the control itself.
- Leave the zone in your correct minute: the moment you leave is recorded as your TC time. You do not need to press anything.
- Optional: press **Click to Save** to record that moment as your TC time if you want to book in but stay in the zone a little longer.
- **Cancel** removes the control. Use it only if you deliberately want no time recorded, for example because you skipped this TC.

ARRIVAL AT AN RSM OR TEST START

At a manned regularity start (RSM) or Test Start (TS), cars may queue. To compensate, the app gives you an automatic Arrival Time as you approach the start.



The delay is carried forward to the next Time Control, but only applies when there are more than 3 cars ahead of you in the queue. See the Regulations for the details of Arrival Time.

RSM: MANNED REGULARITY START

The marshal takes your time card, writes your start time in the right box, hands it back and counts you down from 5 seconds. You do not need to do anything in the app, and apart from the arrival no control appears.

The Rally Time is the time in your app. Start your stopwatch when your app clock shows 00 seconds (occasionally 30). As with RallySafe, your app time overrules the marshal's count-down. If you also want to use the app's tripmaster and timer, see the RSL and RSS below.

RSL: REGULARITY START LOGGER

The Road Book or handout gives the location of the start. A red board with a black flag marks it on the road, and the app shows a yellow board with a running clock while you are in the start zone.

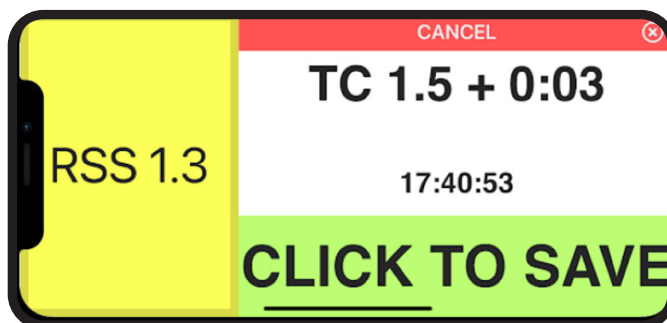
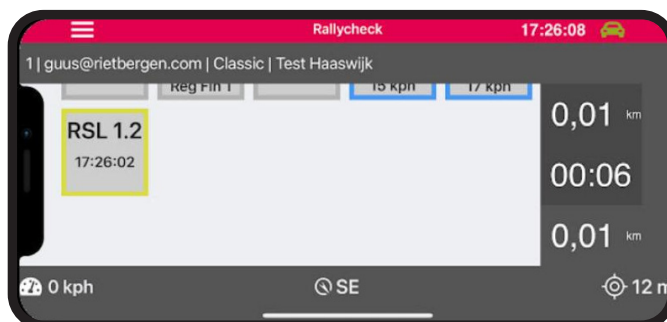
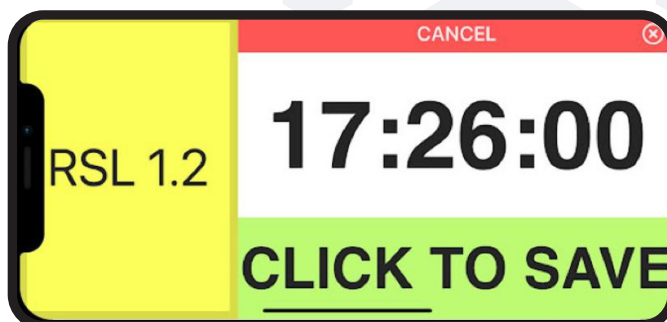
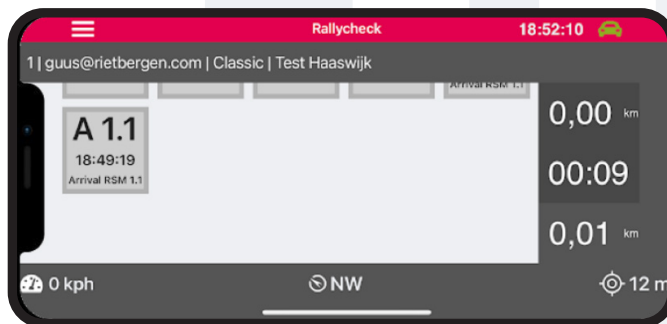
1. Place the car at the starting point.
2. Zero your tripmaster and set your stopwatch to 0.
3. Drive away on the whole minute you choose, and start your stopwatch as the clock shows 00 seconds.

The app records your start time as you leave the zone, **rounded down to the whole minute**. You do not need to press anything. Optional: press **Click to Save** exactly at mm:00 to start the app's tripmaster and timer from zero for your own use. Press too early, for example at 10:09:58, and your start time becomes 10:09:00 with the timer 58 seconds behind.

Never press Cancel: it cancels your start and you will receive the maximum penalty for not driving the regularity.

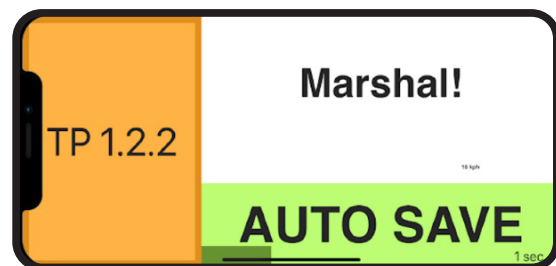
RSS: REGULARITY SELF START

The start is located and marked as for an RSL: a red board with a black flag on the road, and a yellow board with a running clock in the app. Your time card and the app show how many minutes to add to your time at the previous TC; that is your start time.



1. Place the car at the starting point.
2. Zero your tripmaster and set your stopwatch to 0.
3. Drive away in your minute (TC time + the extra minutes), and start your stopwatch at mm:00 (occasionally mm:30) on the app clock.

Timing always starts at your fixed time, so you do not need to press anything. Optional: press **Click to Save** at your exact start time to start the app's tripmaster and timer from zero.
Never press Cancel: it cancels your start and you will receive the maximum penalty.



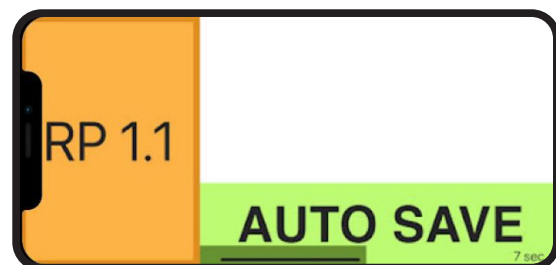
TP: TIMING POINTS

Timing Points on the regularity route appear only briefly on screen and are saved automatically. At a manned Timing Point the app warns you with **Marshal!**

The hit time on screen is one or two seconds later than the moment you actually passed. Your result is calculated from the exact passing time determined by the server.

RP: REJOIN POINT

At the Rejoin Point, where the regularity ends and you return to the normal route, this screen appears. It is saved automatically.

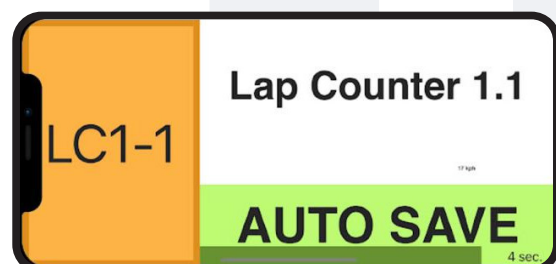
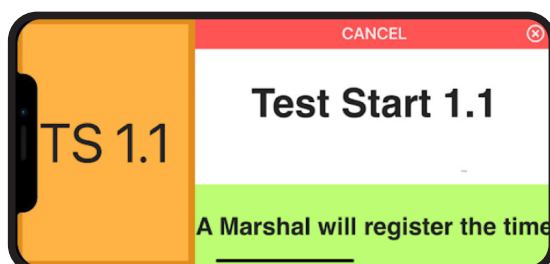


TS: TEST START

The marshal takes your time card, writes your start time in it, hands it back and counts you down from 5 seconds. You do not need to do anything in the app.

On a test, the marshal's app clock counts, not yours. Start on the marshal's "Go!". The finish marshal times you when you stop astride the finish line.

During a test, a screen like the one below may appear to check that you are driving the correct route, or a lap counter during a Lap Consistency Test. Both are saved automatically.



SPC AND SPW: SPEED CHECKS AND SPEED WARNINGS

Speed checks can be placed anywhere on the link route. They usually, but not always, have a warning before your speed is measured: the app warns you as you enter the area, so you can slow down. Both are saved automatically.

QUICK REFERENCE

Control	In the app	What you do	Press anything?
MC / TC (manned)	Not shown	Hand your time card to the marshal	No
Activity check	Winter Trial logo	Check that it appears; if not, the app is not active	No
RC (route control)	Orange, AUTO SAVE	Drive on	No
TCL (unmanned TC)	Yellow, running clock	Leave the zone in your correct minute	No (Save optional)
Arrival (RSM / TS)	Orange, AUTO SAVE	Join the queue	No
RSM	Arrival only	Start on the app clock at 00 s	No
RSL	Yellow, running clock	Drive away on a whole minute	No (Save optional)
RSS	Yellow, TC + minutes	Drive away in your minute	No (Save optional)
TP / RP	Orange, AUTO SAVE	Keep to your schedule	No
TS	Orange, marshal registers	Start on the marshal's "Go!"	No
LC (route check / lap counter)	Orange, AUTO SAVE	Drive the test	No
SPW / SPC	Speed sign, AUTO SAVE	Slow down to the limit	No

Never press Cancel on an RSL or RSS start: it deletes your start and costs the maximum penalty.