

# Rally Lynx Tracker – User Manual

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## Introduction

The **Rally Lynx Tracker** app tracks your car's position in real time during rally events. Organizers see your position, speed, and status on the rally dashboard, improving safety and communication throughout the competition.

The app is simple — **start tracking before your rally day begins** and **keep it open throughout the day**. It shows two tripmeters, alerts you when stopped on a stage, warns about speed limits, and lets you send **OK** or **SOS signals** when needed.

## Getting Started

The Rally Lynx Tracker is available on the **Google Play Store** (Android) and the **App Store** (iPhone). Search for "*Rally Lynx Tracker*" or use the download link provided by the rally organizer.

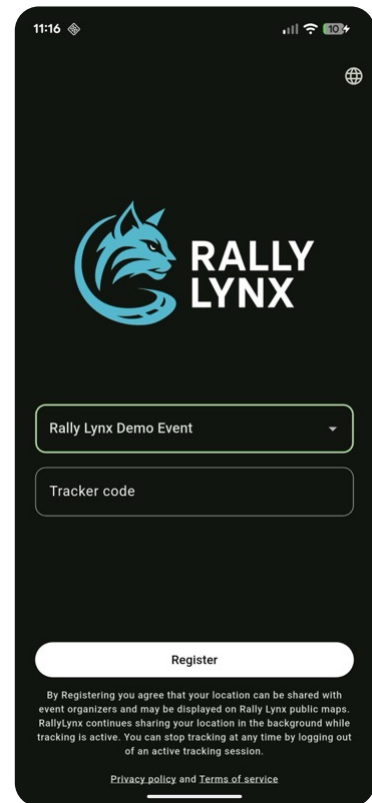
## Registering your tracker

Each team receives a unique **tracker code** before the rally. This code links your phone to your rally entry.

1. Open the Rally Lynx App.
2. Select your **rally event** from the dropdown.
3. Enter your **tracker code** (case-insensitive).
4. Tap **Register**.

The app remembers your registration — no login or extra configuration needed. You only register once per event. If you reinstall the app or change phones, re-register with the same code.

**Tip:** Register as soon as you receive your code to confirm the setup before rally day.



## Language

The app supports multiple languages. You can change the language from the registration screen before registering.

## Mounting the Phone

Proper mounting is critical for safety and tracking accuracy. The phone must be **visible**, **accessible**, and **secure** at all times during the rally. Good mounting is also essential for **GPS signal quality** — the phone needs a clear view of the sky to track accurately.

**The phone must not be kept in a pocket, glove box, bag, or any enclosed space.** It must be mounted where at least one crew member can see the screen and reach the OK/SOS buttons at all times.

## Recommended mounting

- **Rollcage mount** (preferred) — if the car has a rollcage, use a dedicated phone mount attached to the cage. This is the most secure option for rough stages.
- **Dashboard mount** — an adhesive or screw-fixed phone holder on the dashboard.
- **Other fixed mounts** — any secure mounting solution that keeps the phone visible and reachable.

Ideally, mount the phone where **both the driver and co-driver can see and reach it**. If not possible, mount it on the **co-driver's side**, within easy reach.

**Scrutineering note:** Most technical commissions do **not** accept windshield suction-cup mounts. If the glass cracks during a stage, the suction is lost and the phone becomes a loose object in the cabin. If a suction mount on glass is the only option available, add a **secondary safety tether** (lanyard or cable tie to the rollcage) — but always confirm with the event's scrutineers first.

## Mount requirements

- The mount must be **stable enough to withstand rough stages** — a phone falling off the mount mid-stage means lost tracking and no access to safety features.
- The charger cable must remain connected — avoid mounts where vibration could disconnect the cable.
- The phone should have a **clear view of the sky** for GPS accuracy — avoid mounting behind metal surfaces.

**Tip:** The Rally Lynx crew usually has phone mounts available for purchase on-site at the rally.

## Using the App

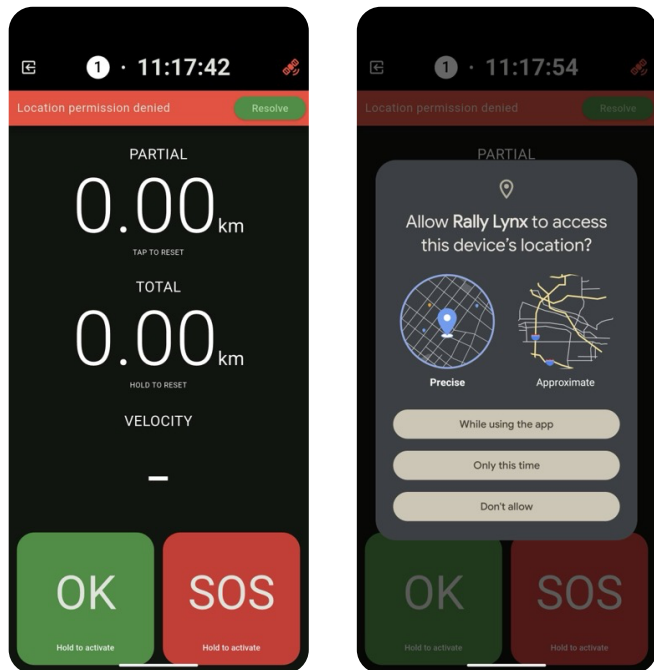
At the start of each rally day, **open the app** and keep the **screen on**. Make sure the phone is mounted and charging.

### Allowing location access

The app needs precise location to function. When first opened, you will see a red banner saying "Location permission denied." Tap **Resolve** and grant permissions:

- **Precise location** (not approximate)
- **While using the app**

If you accidentally deny access permanently, tap **Resolve** again — it opens your phone's system settings where you can enable location access manually.



## Tripmeter

During the rally, the app functions as a tripmeter:

- **Partial distance** (km) — tap to reset
- **Total distance** (km) — hold to reset
- **Velocity** (km/h) — current speed



## Route detection

The app automatically detects whether you are on a **special stage**, **liaison**, or **roaming**. The current mode and stage name are shown at the top of the screen.

## Stage Mode & Safety

When entering a special stage, the app switches to **Stage Mode**.

If your car **stops on stage**, the app issues **visual and audio alerts**. You must respond by sending either an **OK** or **SOS** signal and selecting a reason.



## OK – Stopped, no immediate emergency

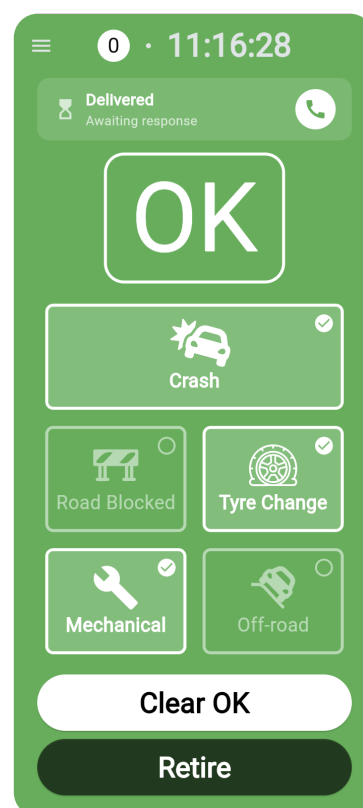
Use **OK** when you are stopped on stage but **no immediate rescue is required** and the situation is **not dangerous**.

After pressing OK, select the reason:

- Crash
- Road Blocked
- Tyre Change
- Mechanical
- Off-road

**You must send an OK signal every time you stop on stage**, even for brief stops like changing a tyre.

A blocked road can still be OK if there are no injuries, no fire, and the situation is not immediately dangerous.



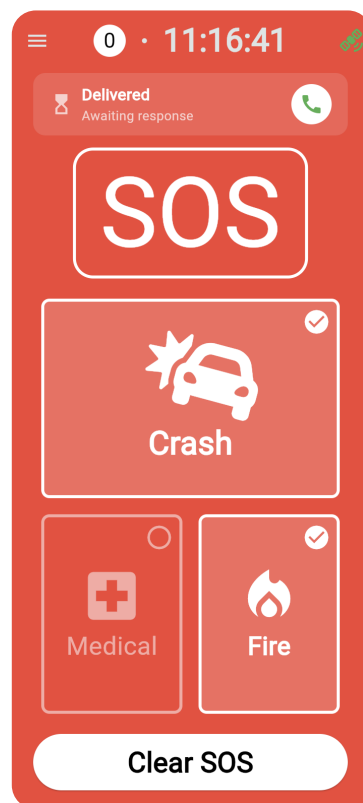
## SOS — Emergency, immediate assistance needed

Use **SOS** only when **immediate help is required**:

- Crash
- Medical
- Fire

**SOS means emergency response is required.**

Only use it if the situation is truly critical.



## Ending incidents

**OK incidents:** When you continue driving, end the incident using the **Clear OK** button. If you forget, the app clears it automatically once you drive away from the incident location.

**SOS incidents:** SOS incidents are **never cleared automatically**. They must be cleared manually using the **Clear SOS** button after race control confirms the situation is resolved.

## Retirement

If the crew retires from the rally, use the dedicated **Retire** flow. There are two entry points:

- **From an active OK incident** — the OK incident screen shows a **Retire** button alongside **Clear OK**. Tap it to retire directly from the incident.

- **From the drawer menu** — tap the menu icon (top-left), then **Retire**.

Either entry point opens the **Retire** bottom sheet:

1. Optionally enter a short note describing the retirement reason (e.g. "Gearbox failure on SS4").
2. Tap **Confirm Retirement**.

The app stops tracking and returns to the registration screen. Race Control is automatically notified that you are no longer racing. If you later wish to rejoin, contact Race Control — they will re-activate your tracker from their side.

## Muting false alerts

If a stop alert triggers by mistake (e.g., GPS issue while still moving), tap the **mute icon** to silence it.

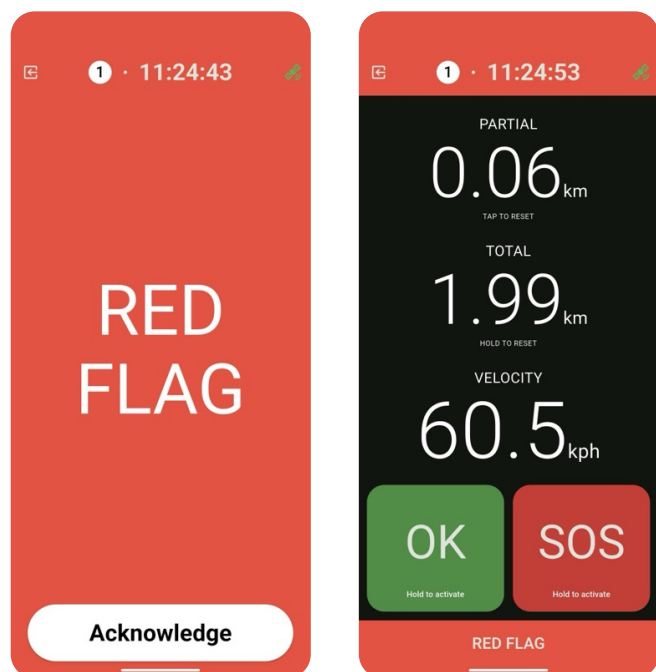
The app does not trigger stop warnings **near the stage start** — it recognizes when you are positioned there waiting to start.

## Red Flag alerts

If a **Red Flag** is issued by the organizers, the app displays a **full-screen red warning** and plays a **loud audio alert**.

You **must acknowledge** the Red Flag by pressing the **Acknowledge** button.

**If you are on the stage:** - Slow down immediately. - Proceed to the stage finish at a safe, reduced speed. - Do **not** continue at racing speed.



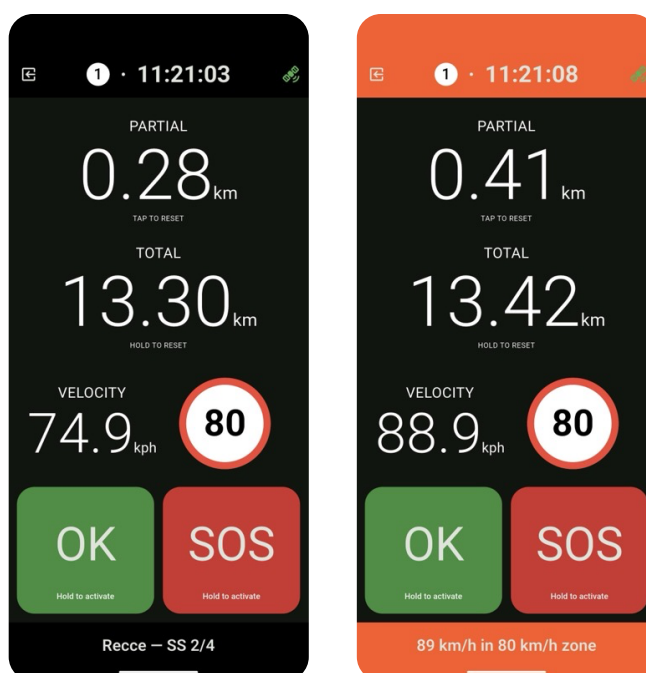
**If you have not yet started the stage:** - Do **not** start. - Stop and ask the marshals for further instructions.

After acknowledging, the Red Flag warning remains visible (as a banner) until the organizers clear it. Continue to follow marshal instructions.

**A Red Flag is a mandatory safety instruction. It must be obeyed immediately and without exception.**

## Speed limit warnings

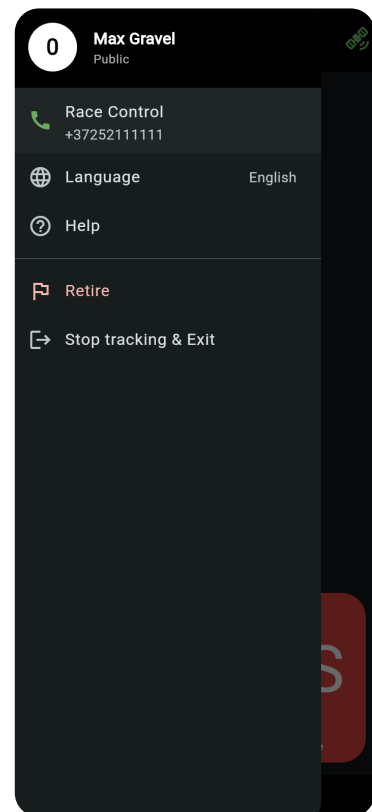
Some organizers enable speed limit monitoring for liaison sections and other restricted areas. If enabled, the app displays a **speed indicator** showing your current speed relative to the limit. Exceeding the speed limit turns the indicator red.



## Drawer menu

Tap the **menu icon** in the top-left corner of the tracking screen to open the drawer. It contains:

- **Race Control** — shown only if the organizer has published a Race Control phone number. Tap to call directly from the app.
- **Language** — switch the app language at any time.
- **Help** — opens this manual in a browser.
- **Retire** — opens the retirement bottom sheet. Only shown while you are still racing (hidden once retired).
- **Stop tracking & Exit** — ends tracking and returns to the registration screen. Use this at the end of the rally, or if you need to switch events. You will be asked to confirm.



The drawer is the only way to access these actions — there is no separate exit or retire button on the main tracking screen.

## Important Tips

### Battery & Power

- Keep your **phone connected to a charger** at all times during rally days.
- Use a **reliable power source** (12V adapter or power bank) to prevent disconnection mid-stage.

### Connectivity

- Keep **mobile data turned on** throughout the rally.
- The app **stores data offline** and uploads automatically when connection returns — no data is lost in areas with poor coverage.

- Avoid toggling airplane mode during the event.

## App Behaviour

- Once registered, the app **remembers your tracker code** and reconnects automatically at startup.
- **Do not close or minimize** the app during stages — it must stay active.
- If you restart the app, it will continue tracking from your last position.

## Troubleshooting

### Location Permission Denied

**Problem:** A red banner shows “Location permission denied.”

**Solution:** Tap **Resolve** on the banner. If permissions were never granted, a system dialog will appear — choose **Precise location** and **While using the app**. If permanently denied, tap Resolve to open system settings and enable permissions manually.

### GPS Not Updating

**Problem:** Position or distances are not updating.

**Solution:** - Ensure the phone has a **clear view of the sky**. - Check that **location services** are enabled in device settings. - Check that **battery saver** or power optimization isn't limiting GPS. - Restart the app if the GPS indicator seems stuck.

### App or Phone Turns Off

**Problem:** Tracking stopped because the app closed or phone powered down.

**Solution:** Reopen the app — it resumes from your last position. Re-register if needed using the same tracker code (no new code needed). Keep the phone **plugged into power** at all times.

## **Tracker Code Invalid**

**Problem:** Error when entering your tracker code.

**Solution:** - Double-check for typos. - Make sure you selected the **correct rally event**. - Contact the **rally organizer** to confirm your entry.

## **“Stopped on Stage” Alert Triggered by Mistake**

**Problem:** You receive a stop warning while moving or while the stage is safe.

**Solution:** Tap the **Mute** button to silence the alert. This can happen temporarily if GPS movement is not detected due to poor coverage.

## **Connection Error on Startup**

**Problem:** The app shows an error screen when opening.

**Solution:** Tap **Retry**. If the problem persists (e.g., after switching between test and production environments), tap **Exit Event** to return to the registration screen and re-register.

## **Changing Phones**

Install the Rally Lynx App on the new phone and re-register using the **same tracker code**. Tracking continues under the same rally entry. Make sure the new phone has location, data, and charger set up before resuming.

## Safety Reminder

Even though the app automates safety reporting, **you are still responsible** for following marshal instructions, displaying physical OK/SOS signs when required, and ensuring the phone remains mounted, powered, and operational throughout the rally.