

RoadBookAI

User manual

Studio, events, Android and iOS app, replay and administration

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A PROJECT BY

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This manual is the RoadBookAI guide laid out for print. The up-to-date version is always online.

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● START HERE

Getting started

What RoadBookAI is, where to start if you organise, race or administer, how to get into the Studio and the journey from GPX track to the RoadBook in the race.

RoadBookAI turns a GPX track into a rally raid roadbook: notes with their drawing, CAP, annotations and waypoints, just like the ones you would draw by hand. The engine proposes, you review and decide. Then the roadbook goes onto the rider's phone, in the app, and becomes the cockpit of a race or a training ride, with the data going back to the organiser for results and replay.

As with any roadbook, it is confirmed on the ground before the race.

Where to start

YOU ARE...	READ FIRST	THEN
Organiser	Create a roadbook and The Studio	Events and stages , Entrants , start times and unlocking , Stage rules , Race, live and results , Replay
Rider	The app: installation and sign-in and The cockpit	Settings , GPX navigation , Racing with the app , Training and replay
Tutor	Replay and tutor groups	Training and replay
Administrator	Users and roles	Jobs, maps and updates

The whole guide can also be downloaded as a [user manual in PDF](#).

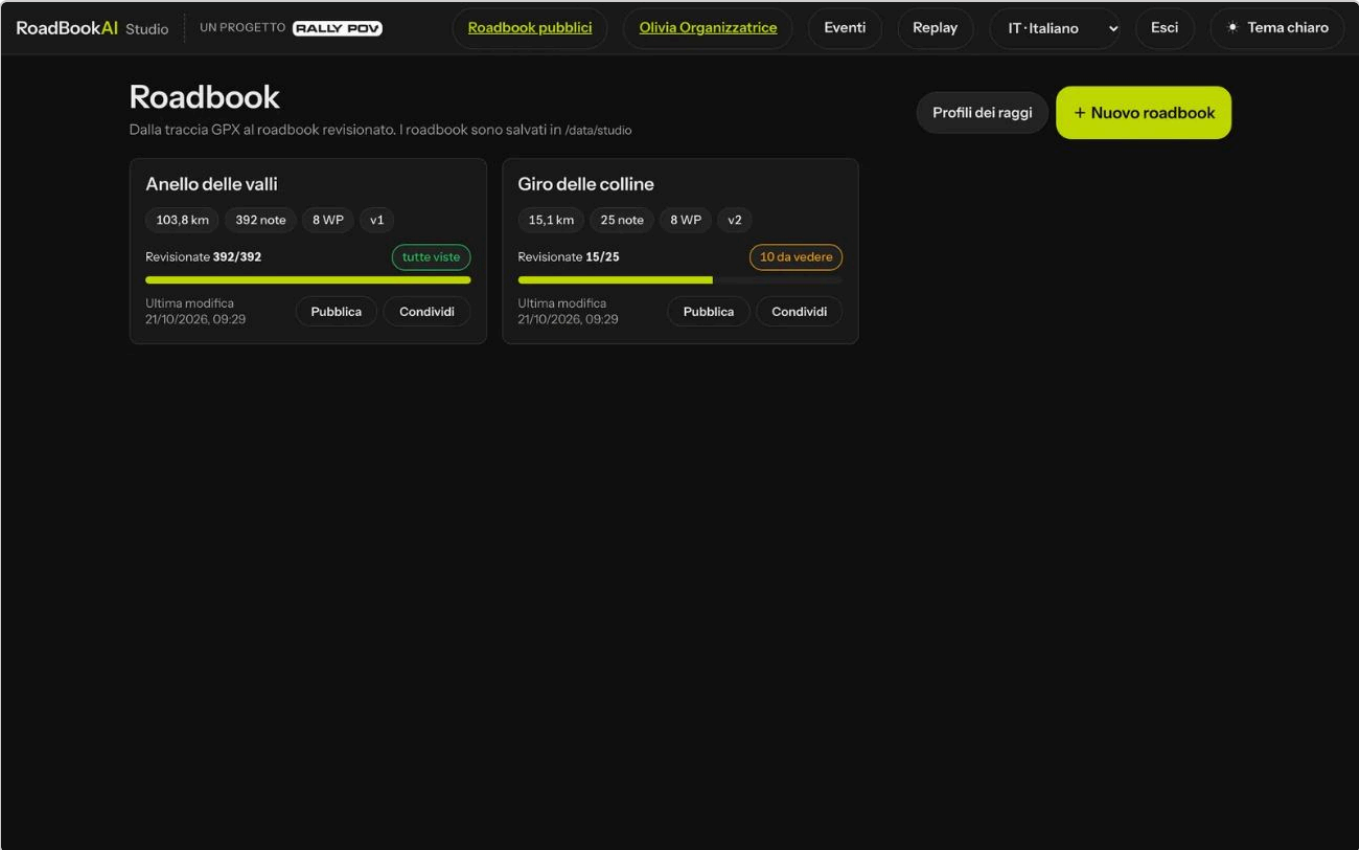
What you need

- **A GPX track** of the stage or the ride (up to 20 MB). A track recorded by a GPS or drawn on a map are both fine: the engine never moves or modifies it.
- **An account**: access is by invitation, and you request it from the [Request access](#) page. If an organiser enters you in an event, you receive the invitation directly from them.
- **A recent browser** on a computer for the Studio: map, RoadBook and inspector sit side by side.
- **A phone or tablet**, Android or iPhone/iPad, for the app.

Getting into the Studio

1. If you don't have an account yet, [sign up](#): you confirm your email and an administrator approves the account (details in [Account and security](#)).
2. Open the [Sign in](#) page, enter your email and password and, if you have turned it on, the two-step verification code.
3. The **library** of your roadbooks opens, at `/studio/`. The first time it is empty: press **Create your first roadbook** (or **+ New roadbook**).

From the website you can go straight to the Studio with the **Open the Studio** button at the top right.



The Studio library.

From the track to the race

STEP	WHERE	WHAT YOU DO
1. GPX	<i>New roadbook</i> window	upload the track, choose how many notes and the waypoint radii; the system takes care of the roads
2. Roadbook	automatically	the engine proposes the notes; for a stage of about a hundred km a few minutes are enough
3. Review	Studio editor	confirm, reject, correct, redraw, add notes and waypoints
4. Versions and export	<i>Save version</i> and <i>Export</i>	save a version (MODIF and NEW NOTE are added automatically) and export RN2, PDF, OpenRally or the file for the app
5. On the ground	recce with the app	record voice notes, upload them into the Studio and decide on the proposals
6. Event	<i>Events</i> tab	freeze the roadbook for the stage, upload the entrants, assign the start times
7. Race	riders' app, live, results	the roadbook opens at the right time on the phone, the data comes back for results and replay

If you train on your own, you stop at step 5: the saved roadbook appears in the app under **My roadbooks**, or you choose a roadbook from the catalogue of public roadbooks.

The words used in this guide

- **Note:** one row of the roadbook, with total km, partial, drawing and annotation column.
- **Note drawing:** the junction as the rider sees it, with the direction of arrival at the bottom and the exit shown by the arrow.
- **RoadBook:** the column of notes in the Studio and in the app, drawn like the PDF Dakar.
- **Status of a note:** *proposed* (as the engine placed it), *confirmed*, *edited* or *rejected*.
- **Stage, package, unlocking:** a part of an event, the encrypted file that takes it onto the phone and the moment it opens.

The [glossary](#) collects them all.

Account and security

Signing up, signing in with two-step verification, recovery codes, sessions and connected devices, roles, your data and sharing roadbooks with your team.

Everyone has their own account, the same in the Studio and in the app: you sign in with email and password and, if you turn it on, with a code from your phone. The roadbooks you create are yours, and only the people you share them with can see them.

Signing up

1. Open **Sign up**: first name and surname, email, a password of at least 12 characters. A phrase of four or more words is better than a single word with symbols; passwords that are too common (even with numbers added) are rejected.
2. You receive an email with a link: open it within 48 hours and press **Confirm address**.
3. An administrator approves the account and you receive an email. From then on you can **sign in**.

If an organiser has entered you in an event, the invitation arrives by email: you sign up with **the same address**, confirm the email and the account is **active straight away**, without waiting for approval.

Two-step verification

With two-step verification, to sign in you need your password **and** a 6-digit code that changes every 30 seconds, generated by an authenticator app on your phone (Google Authenticator, Microsoft Authenticator, 1Password, Aegis...). RoadBookAI suggests it the first time you sign in; for **administrators it is mandatory**.

To turn it on: **Account › Security › Turn on two-step verification**, enter your password, scan the QR code with the app (or copy the key by hand) and enter the first code. You then receive **10 recovery codes**: save them (in a password manager or printed out), as you will need them if you lose your phone. Each one works once and you will not see them again; if you are running low, generate new ones from the same page.

When you sign in, after email and password, enter the code from the app. No phone to hand: **Use a recovery code**. If you have lost both your phone and your codes, the administrator can reset the verification after checking your identity.

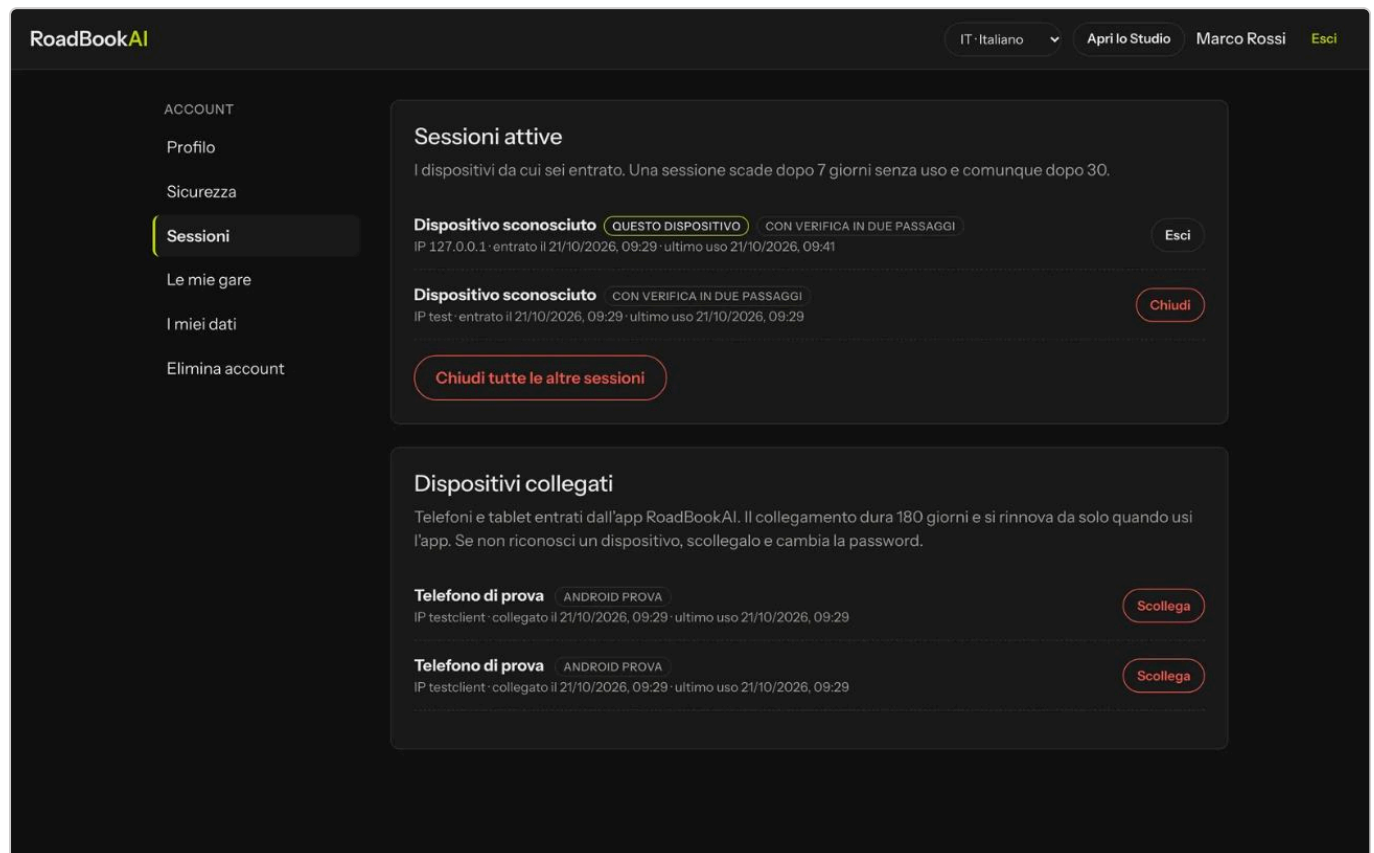
Forgotten password

From **Forgotten password** you receive a link valid for **1 hour**, which works only once. Once you have chosen the new password, all open sessions are closed. Two-step verification stays on: the new password alone is not enough to sign in.

Sessions and sign-in log

In **Account › Sessions** you can see the browsers you have signed in from (IP, last used) and close them one by one or all together. A session expires after 7 days without use and in any case after 30.

Below, **Connected devices** lists the phones and tablets signed in with the RoadBookAI app: the connection lasts 180 days and renews itself when you use the app. If you do not recognise a device, or you have lost your phone, press **Disconnect**: the app immediately stops receiving your account's data (roadbooks already downloaded stay on that phone, race stage ones do not). Changing your password, blocking the account or changing two-step verification disconnects all devices.



Browser sessions and app devices.

In **Account > Security** you will find the log of recent sign-ins and changes: if you see something you did not do, change your password and close the other sessions.

To protect you: after 5 wrong passwords in 15 minutes, access to your account is suspended for 15 minutes and you receive an email; you also receive an email when your password or two-step verification changes, when a recovery code is used and when someone enters the wrong code several times after the correct password.

Sharing a roadbook with your team

In the library, on the card of one of your roadbooks, press **Share** and enter the email of a person who already has an active account:

- **View**: they can open the roadbook, look at it and export it, without changing it (the Studio shows a "view only" banner);
- **Edit**: they can also review notes, draw, manage waypoints and recce and save versions. Their name appears on their decisions.

From the same window you can change the permission or remove access. Only the owner manages shares. Roadbooks shared with you appear in your library with the name of the person who shared them.

My races

In **Account › My races** you find the stages you have raced, with **Open the replay** and the **PDF report** when the organiser allows it (see [Replay and tutor groups](#)).

My data and deleting your account

In **Account › My data** you can download your personal data at any time (JSON: account, sessions, log, shares, connected devices, rides recorded by the app, training groups, comments, shared links, published roadbooks and reports) and all the roadbooks you own (ZIP with draft, versions, GPX track, map data and recce data).

In **Account › Delete account** you permanently delete your account and the roadbooks you own: you need your password, the verification code (if turned on) and the word DELETE. It cannot be undone: download your data first.

Roles

ROLE	WHAT IT ADDS	WHO GIVES IT
User	Studio, app, public roadbooks, event entries, replays of your own rides	it is the starting role
Organiser	events, stages, entrants, rules, live, results and replays of their events, with their team	an administrator
Tutor	training groups, replays and comments on the students' rides	an administrator
Administrator	users, moderation of public roadbooks, jobs, regional maps, updates; two-step verification mandatory	another administrator

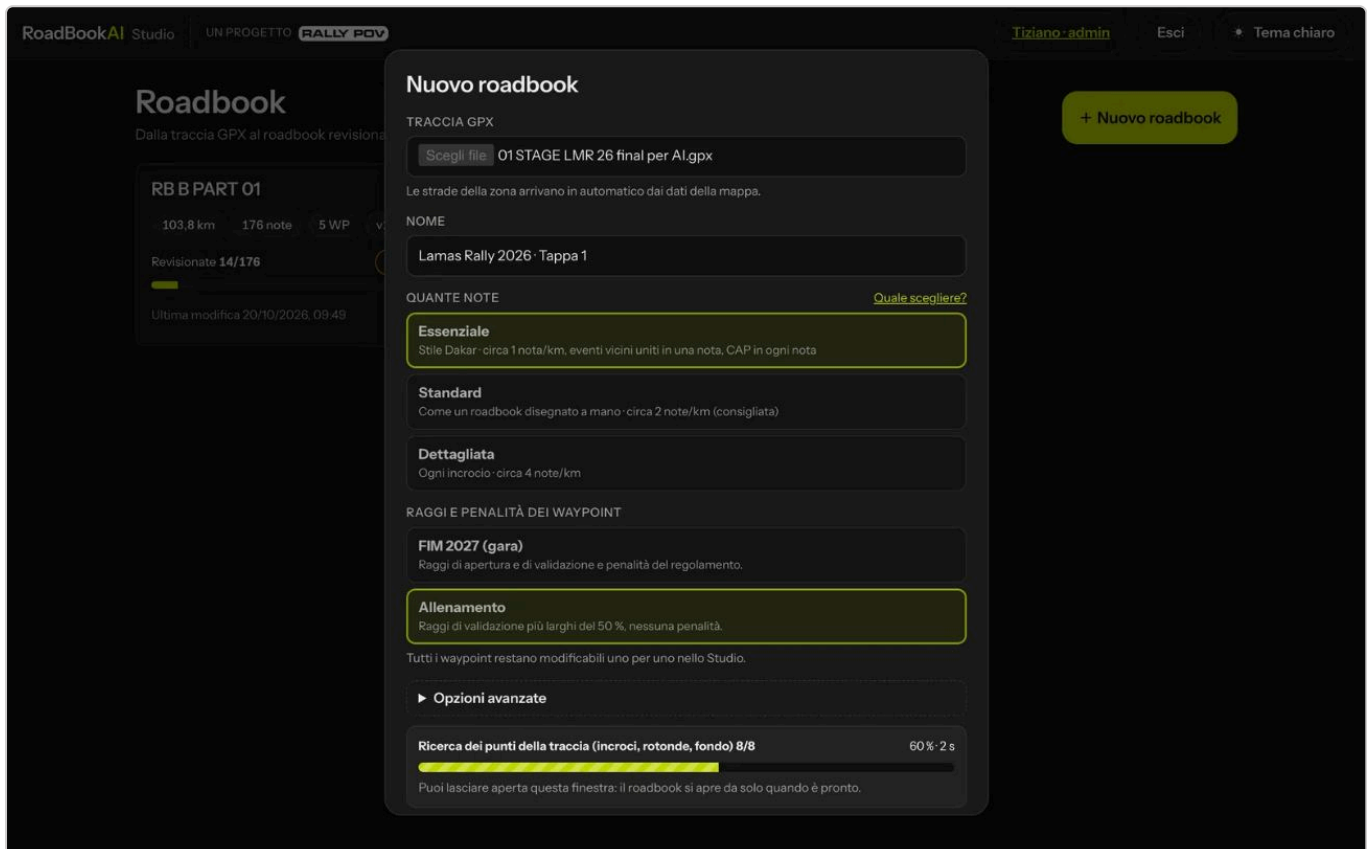
In an event's team the organiser gives roles specific to the event: clerk of the course, timekeeper, event tutor, read only (see [Events and stages](#)). The administrator's pages are in [Users and roles](#).

● CREATE AND REVIEW

Create a roadbook from GPX

The New roadbook window - track, name, how many notes (Essential, Standard, Detailed), waypoint radii (FIM W2RC 2027, Training or one of your profiles), roads chosen by the system and progress bar.

From the library, press + **New roadbook**. The window asks for four things; when you are done, press **Generate**. You don't need to choose the roads of the area: the system picks them up by itself.



The New roadbook window.

1. GPX track

Choose the **.gpx** file (20 MB at most). If the file is not a readable GPX or contains no points, the Studio tells you straight away and nothing starts.

The track is the foundation of the roadbook: **it is never moved, redrawn or snapped to the roads**. The km of each note is measured on the track exactly as it is.

2. Name

It is filled in automatically with the file name; you can change it (for example "Lamas Rally SS1"). It is the name you see in the library and the one that ends up in the exported files.

3. How many notes

This sets how many notes the engine proposes. You can always add or reject notes later, in the Studio.

CHOICE	NOTES	WHAT IT IS LIKE
Essential	about 1 per km	Dakar style: nearby events are merged into the same note ("ET à X m") and every note has a CAP.
Standard (recommended)	about 2 per km	like a hand-drawn roadbook: a note when the rider might hesitate, when the road really changes or when an action is needed. On long straights FRO (road) or FPP (track), with "/N km" if the section is long; no note for straight-on junctions with only minor branches. CAP only where it's needed.
Detailed	about 4 per km	every junction, CAP on every turn.

Which one to choose

- **Standard** works almost every time: it is the one we use for races and training.
- **Essential** for fast, long stages, in the desert or on open tracks, when the rider wants few notes with a CAP.
- **Detailed** for sections of dense navigation (villages, networks of tracks) or to see everything the engine has found, before thinning it out.

Where the CAP appears (Standard)

The CAP is written where it really helps: at the start of an off-track section, at the exit onto a faint track, at forks between tracks with at least three options. **Never on asphalt or in a village.**

4. Waypoint radii and penalties

CHOICE	FOR WHAT
FIM W2RC 2027 (race)	opening and validation radii and penalties from the regulations (waypoint table of the W2RC regulations).
Training	the same types, with validation radii 50 % wider and no penalties.
One of your profiles	the radii you have saved under a name, for example those of your own race (see Organiser profiles).

This choice sets the values proposed when you add a waypoint. Before generating you can see the profile's table and, with **Edit before generating**, change a few values for this time only or save them as a new profile. Every waypoint can still be edited individually in the Studio, and on a roadbook already generated you can **apply a radius profile** to all waypoints or to one type only. The values are in [FIM rules in brief](#).

The roads of the area

The engine reads the roads, tracks, buildings and signs from the map. Each note shows what the map knows, without inventing anything: whatever is missing you can add in a moment with the [drawing editor](#).

The system decides where to get them from:

- if the server already holds the map of the region and it covers the whole track, it uses that (the fastest route, even for long stages or stages spanning several regions);
- otherwise it downloads the roads along the track online, tile by tile; areas already downloaded for another roadbook are reused from the server's memory.

Administrators will find in **Advanced options** the option to upload their own map file: it is usually not needed.

During generation

The job joins the server's **queue**, in the right lane: generations that use the regional map already on the server never wait for those downloading roads online. If there are other jobs ahead, the window says how many (running and waiting) and the estimated wait; **Cancel the job** stops the generation and frees its place. Then a bar shows the **percentage**, the **current phase in plain words** and the **elapsed time**:

PHASE	WHAT YOU SEE
Reading the track	the start, a few moments
Roads of the area	the tiles downloaded (for example <i>12/40</i>); while waiting for a response from the map server, the message says so (<i>waiting for the map server</i>). If the regional map is being read, an animated bar with the count of elements read
Finding points on the track	junctions, roundabouts, bends, surface, in eight steps
Choosing the notes	which points become notes, at the chosen density
Note drawings	one drawing per note, with the count (<i>35/120</i>)
Saving	version 1 of the roadbook

The percentage never goes backwards and the bar keeps moving even when a step takes a long time: the work is progressing. The longest phases are usually downloading the roads of an area never seen before and the drawings. You can leave the window open: at the end the editor opens on the new roadbook, at the first note to review.

What the engine finds

- junctions and forks, even offset ones, roundabouts with the right exit, significant bends;
- changes of surface (asphalt, track, small track, faint track, off-track HP);
- bridges, fords, railways, woods, start and end of off-track sections;
- landmarks such as buildings, STOP and give way signs, traffic lights and cobbles (with icon and length), when the map shows them.

Every note keeps its **source, confidence and reason**: you can read them in the inspector, in the *Where it comes from* section.

The note drawing

For each note the engine cuts out about 200×155 m of terrain around the point, rotated so that the direction of arrival points upwards, and draws to scale:

- the **true shape of the GPX track** (the blue line, with its bends);
- the **roads and tracks from the map** that fall inside the frame: asphalt as a double line, tracks as a single line, starting exactly from the blue line;
- **buildings** as floor plans and nearby roundabouts.

The road the rider is travelling on is not redrawn: the blue line represents it.

● CREATE AND REVIEW

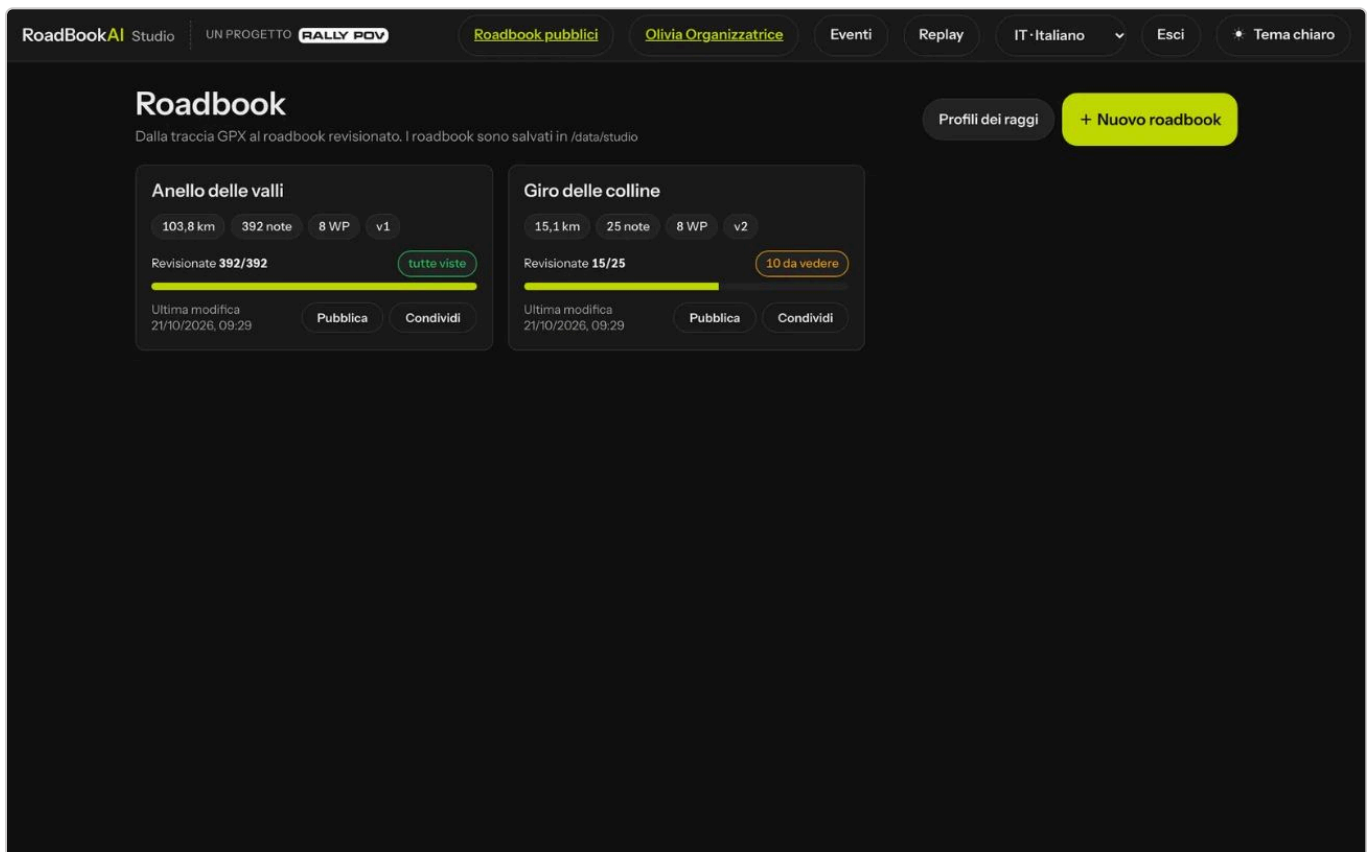
The Studio

Library, three-panel editor, map, RoadBook and inspector - how to review a roadbook note by note, even from the keyboard alone.

The Studio is the page where you review your roadbooks. It has two views: the **library** with all your roadbooks and the **editor** of a roadbook, with map, RoadBook and inspector side by side.

The top bar also takes you to the other parts of the Studio: **Public roadbooks** (the catalogue, see [Public roadbooks](#)), your name (the user area, see [Account and security](#)), **Events** (for organisers and their teams, see [Events and stages](#)), **Replay** (your rides and, for tutors, the groups), the **language** (Italian, English, French, Spanish, German) and the **theme** button, light or dark.

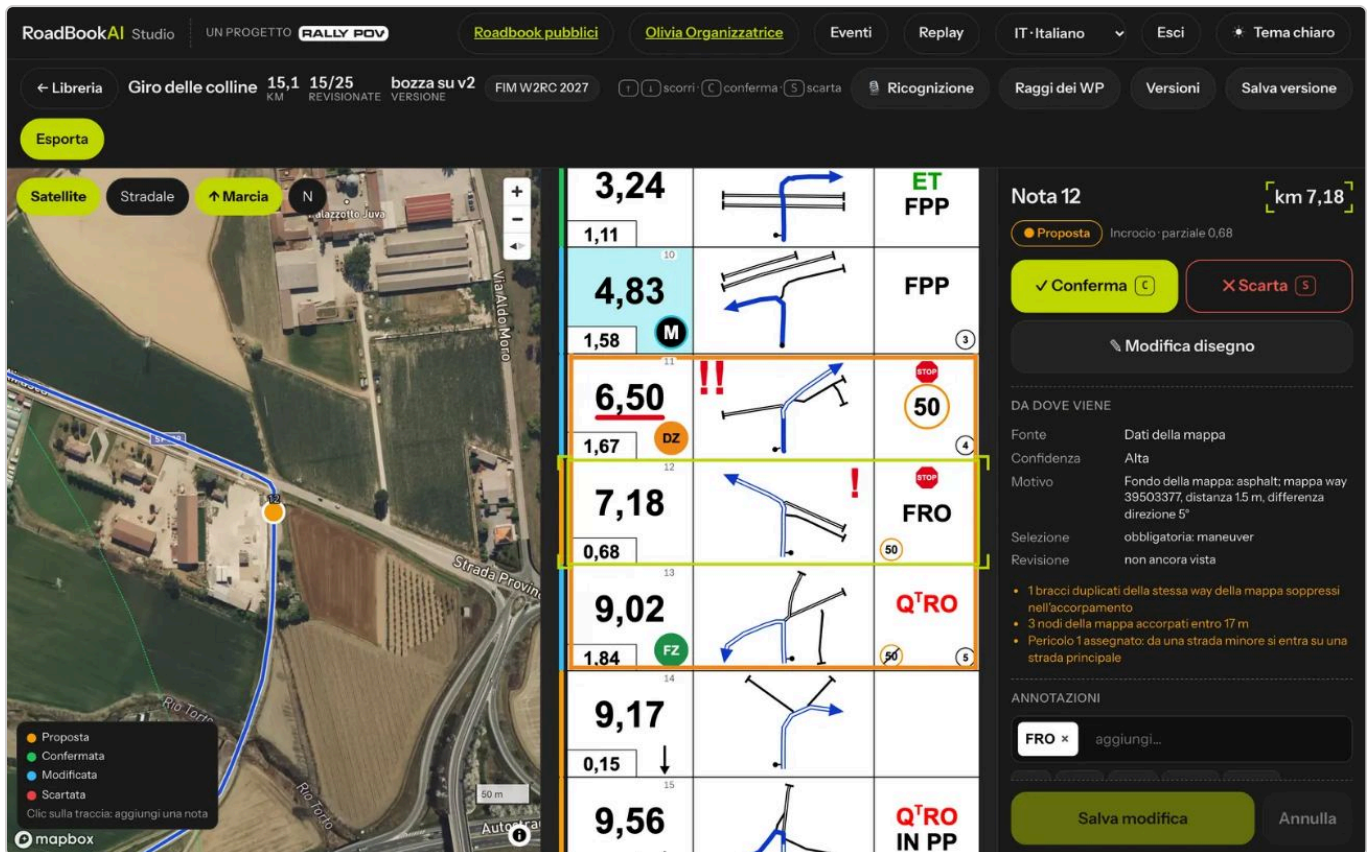
The library



The library: one card per roadbook.

Each card shows km, number of notes, waypoints, version, the *Training* profile if you chose it, how many notes you have already reviewed (with the progress bar) and the date of the last change, with the **Publish** (see [Public roadbooks](#)) and **Share** (see [Account and security](#)) buttons. The "**N to check**" label counts the notes still in the *proposed* status; once you have seen them all it becomes "**all checked**". One click opens the editor.

The editor



The editor: map on the left, RoadBook in the centre, inspector on the right.

The top bar shows the name, the km, how many notes you have reviewed and the version open (*draft on v1, v2...*). On the right are the **Recce**, **Versions**, **Save version** and **Export** buttons; **← Library** takes you back to the list.

The three panels are always in sync: pick a note in the RoadBook or on the map and the inspector shows that note.

The map

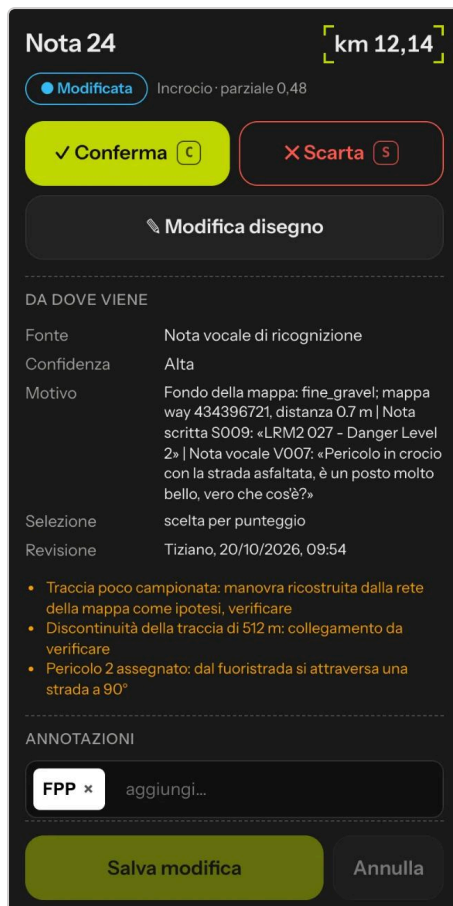
- **Satellite** or **Streets** with the buttons at the top.
- **↑ Heading up** rotates the map so that the direction of arrival at the note points up, as in the note drawing; **N** puts north back at the top.
- The track is the blue line; notes are dots coloured by status: **orange** proposed, **green** confirmed, **light blue** modified, **red** rejected. Waypoints have their own colours and the dashed opening and validation circles.
- **One click on the track** opens the window for adding a note at that point (see below).

The RoadBook

Notes are drawn to the dimensions of the PDF Dakar: total km, partial frame, drawing and annotation column. The coloured border on the left shows the status. Rejected notes are at the bottom, in the **Rejected — can be restored** section.

In the draft, notes that will receive MODIF or NEW NOTE in the next saved version show it with a dashed label. **Double-click** a row to open the drawing editor.

The inspector



Nota 24 [km 12,14]

Modificata Incrocio - parziale 0,48

✓ Conferma ✕ Scarta

Modifica disegno

DA DOVE VIENE

Fonte	Nota vocale di ricognizione
Confidenza	Alta
Motivo	Fondo della mappa: fine_gravel; mappa way 434396721, distanza 0.7 m Nota scritta S009: «LRM2 027 - Danger Level 2» Nota vocale V007: «Pericolo in crocio con la strada asfaltata, è un posto molto bello, vero che cos'è?»
Selezione	scelta per punteggio
Revisione	Tiziano, 20/10/2026, 09:54

- Traccia poco campionata: manovra ricostruita dalla rete della mappa come ipotesi, verificare
- Discontinuità della traccia di 512 m: collegamento da verificare
- Pericolo 2 assegnato: dal fuoristrada si attraversa una strada a 90°

ANNOTAZIONI

FPP x aggiungi...

Salva modifica Annulla

The inspector: status, review, where it comes from, annotations, CAP, danger, surface and waypoint.

From top to bottom:

1. **Note N** with the km, the status, the type (junction, roundabout, change of surface...) and the partial; MODIF or NEW NOTE if present.
2. ✓ **Confirm** and ✕ **Reject**, or ↺ **Restore** for a rejected note.
3. ✎ **Edit drawing**, which opens the drawing editor.
4. **Where it comes from**: source (map, GPS track, reviewer, recce voice or written note...), confidence, reason, who reviewed it and when, and any warnings.
5. **Annotations**: the words of the FIA lexicon (PP, FPP, FRO, Q^TPP, Q^TRO, IN PP, HP, DEP, ARR, BIG, SMALL, FOLLOW, /5km...) to add with one click or to type. Words with Q^T (leaving the road you are following) are in red. Below, the **free text** in English, to be used sparingly (BIG TREE...).
6. **CAP and danger**: the CAP from 0 to 359 with its type (exit, average A, calculated C, oblique) and the danger from 1 to 3 exclamation marks.
7. **Surface**: the arrival line, the exit line and every road in the drawing (asphalt, track, small track, faint track, off-track HP...).
8. **Save changes** applies everything at once: the drawing and the row update immediately and the note becomes *modified*.
9. **Waypoint**: + **Add waypoint** or the card of the note's waypoint (see [Waypoints](#)).

A saved version opens **view only**: a bar at the top says so, and **Open the draft** takes you back to the draft.

Reviewing from the keyboard

KEY	ACTION
↓ or J	next note
↑ or K	previous note
C	confirm and move to the next
S	reject and move to the next
R	restore the rejected note

Keys do nothing while you are typing in a field. With confirm and reject you move through the roadbook one note after another, without touching the mouse.

Adding a note

One click on the track in the map opens the window for adding a note at that point:

- if the engine had already found nearby points and left them out, you see them with their drawing and the reason: **Restore** brings back that candidate as it is;
- with **Create new note** you place a note on the point of the track closest to your click, with the drawing built from the map roads and the CAP from the track.

Notes you add have the source *Reviewer* and get NEW NOTE in the next saved version.

Rejecting does not delete

"Reject" deletes nothing: the note goes to the bottom of the RoadBook, is not exported (except in the RoadBookAI file, where it stays as rejected and the app does not show it) and can be restored at any time.

Your work is always saved

Every action is saved immediately in the **draft**. If you close your browser, when you come back you will find your review where you left it. To set a fixed point, use Save version.

● CREATE AND REVIEW

Drawing editor

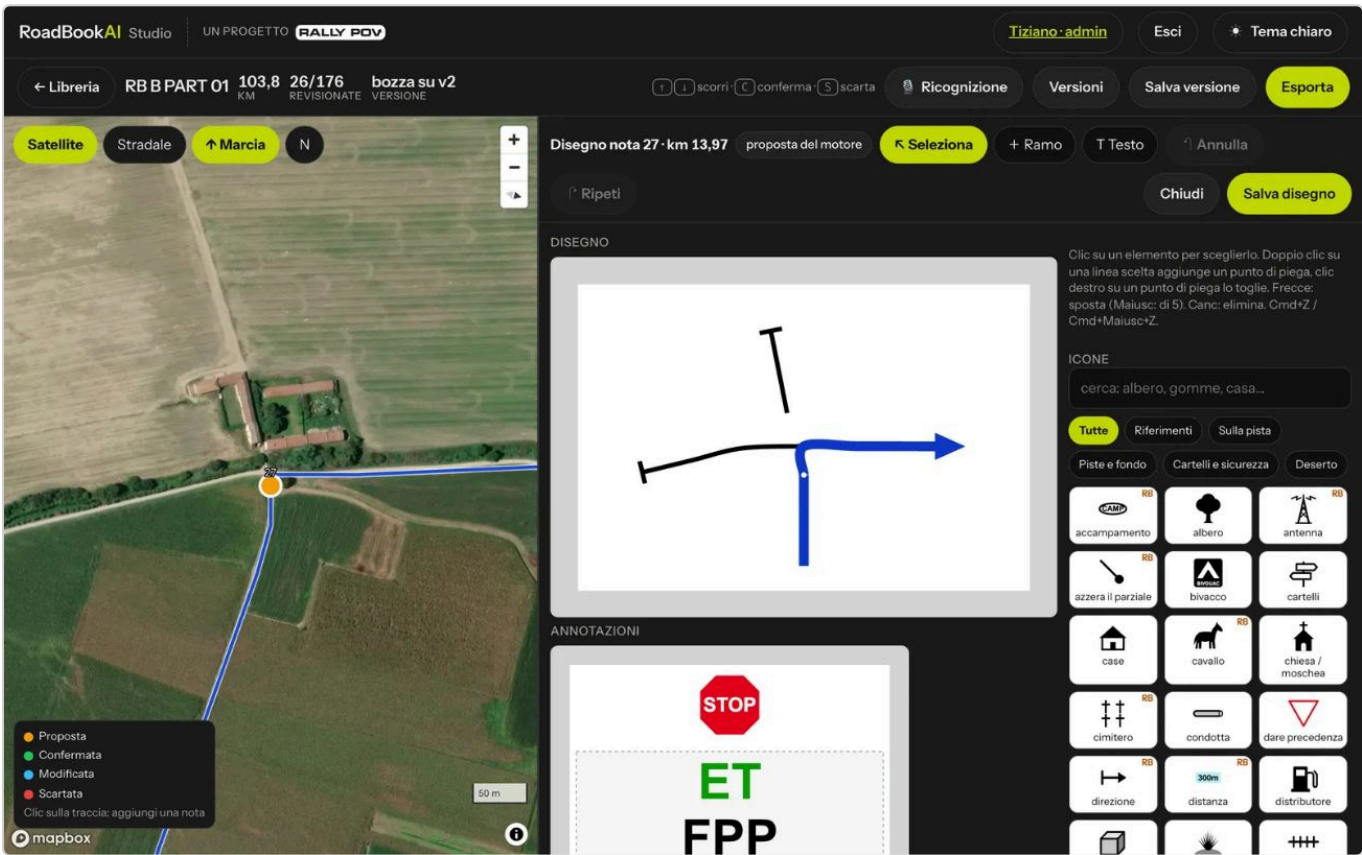
Redrawing the note by hand - arrows, tracks and terrain, icons, text, CAP and danger.

When you want a drawing different from the engine's, you redraw it by hand. You can easily edit every kind of arrow, track and terrain, and the result appears exactly the same in the RoadBook, in the PDF and in the RN2.

Opening it

- **Double-click** a row of the RoadBook, or
-  **Edit drawing** in the inspector.

The editor opens over the RoadBook and the inspector; the map stays visible alongside. At the top you can see whether you are starting from the **engine proposal** or from a **hand-drawn** note already saved.



The drawing editor: drawing and annotations enlarged, properties and icons on the right.

The tools

TOOL	WHAT IT DOES
 Select	pick an element with a click and move it by dragging
+ Branch	draw a new road or track: click on the drawing to place points (the first one near the junction snaps to the blue line), double-click or Enter to finish, Esc to cancel

TOOL	WHAT IT DOES
T Text	click in the annotation column (or in the drawing) where you want to place free text
Icons	pick an icon in the palette and then click where you want to place it, or drag it there

Arrows, tracks and terrain

- Click a line to select it, then drag it to bend it: **double-click** on the line adds a bend point, **right-click** on a point removes it.
- For a road or a track, choose the **line type** on the right (asphalt, track, small track, faint track, off-track...) or **Delete branch**.
- For the **blue line**, the rider's route, choose the surface on arrival and on exit.

You only change the drawing: **km, map and GPS track stay as they are**.

Icons

The palette contains the RoadBookAI icons, divided into groups (Landmarks, On the track, Tracks and surface, Signs and safety, Desert) and searchable by name: "tree", "tyres", "house"... A selected icon can be moved, **resized** and **rotated** with the mouse or with the sliders on the right; with **Shift** rotation snaps in 15° steps.

Icons marked **RB** are exclusive to RoadBookAI: in the RN2 they travel with their drawing embedded.

CAP, danger, waypoints and controls are not in the palette: they are values of the note and are set from the inspector.

Text, CAP and danger

- Free text is written in capitals, with size and colour (black, red, green, blue).
- The **lexicon annotations** (PP, Q', ET...) come from the note's fields: in the editor they move as a block, up or down, and are edited from the inspector.
- **CAP** and **danger** can be dragged to where they belong; the value is changed from the inspector.

Keys

KEY	ACTION
   	move the selected element (by 5 with Shift)
 or 	delete the selected element
 + 	undo (also with  Undo)
 +  + 	redo (also with  Redo)

Saving or going back to the engine

- **Save drawing:** the note becomes *modified* and, in the next saved version, receives MODIF. The comparison between versions flags it as "hand-drawn".
- **Restore engine** (hand drawings only): after confirmation, goes back to the drawing proposed by the engine; the hand edits to that note are lost.
- **Close** exits without saving (if you have changed something, it asks for confirmation).

With a hand drawing, roads, tracks and icons can only be changed in the editor: the inspector reminds you.

In the PDF the hand drawing is fitted to the cell; for notes without a hand drawing, the PDF shows a slightly wider portion of the map.

● CREATE AND REVIEW

FIM waypoints and radii

Adding waypoints and zones to a note, with opening and validation radii, penalties and speeds, from the FIM W2RC 2027 and Training profiles or from your own profiles.

A waypoint is attached to a note. The Studio knows the **16 types in the FIM W2RC 2027 rules**, with their radii and penalties; the meaning of each type is in [the rules in brief](#).

Adding a waypoint

1. Select the note in the RoadBook or on the map.
2. In the inspector, **Waypoint** section, press **+ Add waypoint**.
3. Choose the type: WPV, WPE, WPM, WPS, WPC, WPP, WPN, CP, DSS, ASS, DZ, FZ, DN, FN, DT, FT.
4. The fields are filled in with the values of the roadbook's radius profile (FIM W2RC 2027, Training or one of your profiles). Change them if the event calls for something else:
 - **Opening** in metres: within this distance the rider's GPS shows the direction; empty means "always".
 - **Validation** in metres: the radius within which the passage is valid.
 - **Penalty** in minutes, or **stage** for the stage penalty decided by the organiser.
 - **Speed** in km/h, only for DZ, DN and DT.
5. Press **Add** followed by the type (for example **Add WPM**).

The screenshot displays the RoadBookAI Studio interface. On the left, a map shows a route with a blue line and a green circle indicating a waypoint. The top bar includes navigation and project information. The central panel shows a list of waypoints with their respective values and icons. The right panel, titled 'Waypoint', shows the configuration for a selected waypoint (WPM n. 3: Mascherato). The configuration includes fields for 'Apertura' (800 m), 'Validazione' (90 m), and 'Penalità' (15 min). The 'Fondo' section on the right lists various road types and their associated penalties.

Waypoint	Opening (m)	Validation (m)	Penalty (min)	Type
7,33	0,27			
8,22	0,89			
8,52	0,30			
8,69	0,17			M
8,94	0,24			
10,07	1,14			
10,66	0,59			

Waypoint configuration (WPM n. 3: Mascherato):

- Apertura: 800 m
- Validazione: 90 m
- Penalità: 15 min

Fondo configuration:

- Linea d'arrivo: Asfalto
- Linea d'uscita: Asfalto
- Ramo 1 unclassified: 47 m Asfalto
- Ramo 2 secondary: 112 m Asfalto
- Ramo 3 service: 98 m Pista
- Ramo 4 service: 112 m Strada senza fondo sulla i

A waypoint in the inspector and its opening and validation circles on the map.

Changing or removing a waypoint

The waypoint card shows type, number, opening, validation, penalty and speed. You can change the two radii and press **Save radii**, or **Remove waypoint**.

Where you see it

- **Map**: a dot coloured by type, with the **validation** circle solid and the **opening** circle dashed.
- **RoadBook and PDF**: the waypoint badge at the km of the note, in the colours of the FIM table; between DZ and FZ the speed zone is framed. The first page of the PDF summarises the day's table of radii and penalties and the list of waypoints (number, type, km; coordinates of WPVs and WPSs; WPPs appear only here).
- **App**: the same radii open and validate the waypoints in the cockpit, and the service uses them for the results.
- **RN2**: the waypoint with its radii, ready for roadbook apps and software.
- **OpenRally**: the markers `wpv` , `wpm` , `dz` , `fz` ... with opening and validation.

System profile values

TYPE	OPENING	VALIDATION	PENALTY
WPV	always	200 m	15 min
WPE	1000 m after the previous one	90 m	15 min
WPM	800 m	90 m	15 min
WPS	1000 m	30 m	15 min
WPC	no guidance	300 m	15 min
WPP	100 m, no guidance	20 m	2 min
WPN	800 m	200 m	60 min
CP	1000 m after the previous one	90 m	120 min
DSS	1000 m after the previous one	200 m	stage
ASS	800 m	90 m	stage
DZ, FZ	1000 m after the previous one	90 m	15 min
DN, FN, DT, FT	1000 m after the previous one	90 m	stage

"After the previous one" means that the waypoint opens when the previous one has been validated, or within 1000 m if the previous one was missed.

The **Training** profile uses the same types with validation radii **50 % wider** (for example WPM at 135 m) and **no penalties**: it is designed for training without the pressure of a race.

The WPS has hidden coordinates: guidance appears only within 1000 m.

The rules allow the organiser to redefine radii and penalties in the supplementary regulations or on the first page of each day's roadbook: that is why every value can still be edited, and the values you use often can be saved in a profile.

● CREATE AND REVIEW

Versions, comparison, MODIF and NEW NOTE

The draft saved with every action, versions that never change again, automatic MODIF and NEW NOTE and the note-by-note comparison.

A roadbook lives in two forms:

- the **draft**, which you work on: every action (confirm, reject, edit, drawing, waypoint) is saved immediately;
- the **versions** (v1, v2, v3...): fixed snapshots that never change again. v1 is created by the generation.

Saving a version

Press **Save version** in the editor bar, write a message (for example "after recce 20/10") and confirm. Before you do, the window tells you how many notes have been changed, added or removed compared with the previous version.

When you save, automatically:

- notes **changed** since the previous version receive **MODIF**;
- **new** notes receive **NEW NOTE**.

This is the convention of race roadbooks: a rider who has already studied v1 can see straight away what to look at again. In the draft, the RoadBook shows a dashed preview of the labels that will arrive with the next version.

MODIF and NEW NOTE appear in the RoadBook, in the PDF, in the RN2 and in the file for the app.

The list of versions

Versioni

VERSIONE	QUANDO	CHI	MESSAGGIO	NOTE	MODIF	NEW	
v1	20/10/2026, 09:48	RoadBookAI	Generazione automatica da GPX e mappa	165	0	0	Apri
v2	20/10/2026, 09:49	Tiziano	dopo la prima revisione a tavolino	176	14	12	Apri

Confronto nota per nota

DA **v1** v2 Bozza A v1 v2 **Bozza**

KM	ESITO	COSA È CAMBIATO
2,69	Nuova	— CAP 104
4,17	Nuova	— CAP 75
5,35	Nuova	— CAP 43
5,90	Tolta	—
6,33	Cambiata	CAP: — → 275 pericolo: 0 → 1
6,43	Nuova	— CAP 264
6,69	Nuova	— CAP 253
7,33	Cambiata	linea d'uscita: Pista → Asfalto
8,22	Nuova	— CAP 15
8,52	Cambiata	pericolo: 2 → 1
8,70	Cambiata	waypoint: — → WPM 800/90 m pen. 15
10,66	Cambiata	pericolo: 0 → 1

Versions: list and note-by-note comparison.

Versions opens the list: number, when, who, message, number of notes, how many MODIF and how many NEW. **Open** takes you to a saved version, which is shown **view only**: you can consult it and export it, but not change it. To get back to work, use **Open the draft**.

The note-by-note comparison

Below the list, choose **From** and **to** (a version or the draft). For each note that differs you see the km and the outcome:

- **New** or **Removed**, with the annotations and the CAP;
- **Changed**, field by field, with the value before and after: km, annotations, free text, ET, CAP, danger, entry and exit lines, road surface, roundabout, speed limit, waypoint, and "hand-drawn" when you have redrawn the note.

Exporting a version

Export starts from the version that is open: from the draft you export the work in progress, from a saved version you export exactly that version. See [Export](#).

● CREATE AND REVIEW

Recce - voice and written notes

From the notes recorded on a recce to proposals for the roadbook - recording with the RoadBookAI app (or with OsmAnd), uploading the files, listening, accepting, editing or rejecting.

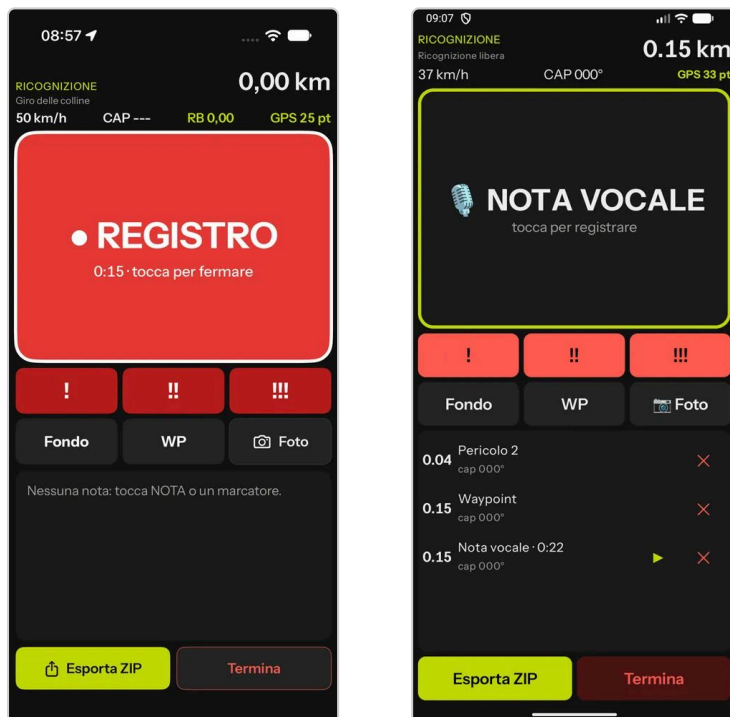
After the recce (reconnaissance) you have two kinds of notes:

- **voice notes**, recorded with the RoadBookAI app or with OsmAnd while you ride (`noteLocations.gpx` with the `.3gp` or `.m4a` audio files);
- **written notes**, the points saved on the GPS with a name ("Danger Level 2", "HP"...), in a GPX file.

RoadBookAI places them on the roadbook track, transcribes the voice notes and turns them into **proposals** that you listen to and decide on. **No voice note enters the roadbook without your "Accept"**.

Recording with the RoadBookAI app

In the app, on Android or on iPhone, there are two ways to do a recce: **Recce** from the card of a roadbook (or **Recce on this RoadBook** from the cockpit menu), to correct a roadbook you already have; **Free recce** from the home screen, on a new road.



The large button records the voice note.

Voice notes and markers, ready for the ZIP.

- The large **VOICE NOTE** button records your voice with position, CAP and km; tap it again to stop. It can also be operated from the remote control.
- Quick **markers** flag **danger 1, 2 or 3**, **change of surface**, **waypoint** and **photo**.
- The list lets you listen again and delete; the track is recorded the whole time.
- **Export ZIP** produces the package to upload into the Studio (track, voice notes, markers, audio and photos). You can also export it later, from the **History**. Danger markers arrive as "Danger Level N" and apply straight away.

Uploading the recce

1. Open the roadbook and press  **Recce** in the editor bar.
2. Press **Upload recce** (the second time, **Add files**).
3. In the window, choose:
 - **Voice notes**: the OsmAnd folder with `noteLocations.gpx` and the audio files, or the individual files, or a ZIP;
 - **Written notes** (optional): the GPX of the points;
 - **Transcription**: `small`, `medium` or `large-v3-turbo`. `medium` is the best compromise, about 4 seconds per note; the first time, the server prepares the model.
4. Press **Process**. A bar at the top shows the current phase.

Accepted formats: GPX, `.3gp`, `.m4a`, `.mp3`, `.wav` audio and other common formats, ZIP. Limits: 20 MB per audio file or GPX, 300 MB per ZIP, 400 MB in total.

If you add files later, the notes already processed keep your decisions: only the new ones are processed, at no extra cost.

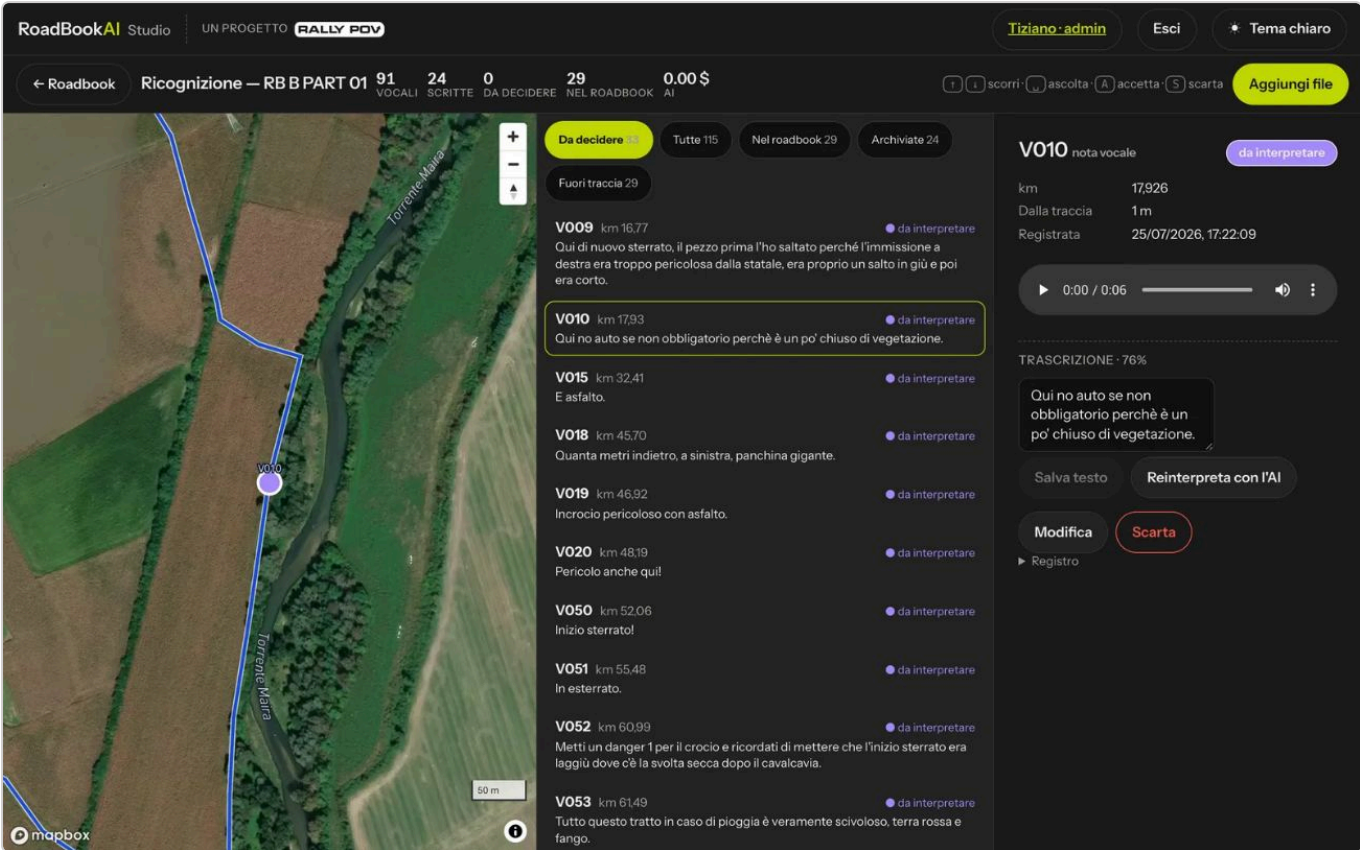
What happens during processing

1. **Placement**: each note is projected onto the track, within a 150 m corridor. Notes further away are **off the track** and are not transcribed. Where the track passes the same spot more than once, the km is ambiguous and the note needs reviewing. Several recordings at the same spot (a **burst**) are decided together, starting from the note that contains the text.
2. **Transcription** on our server, with a rally vocabulary. Phrases produced by silence or noise are recognised and flagged as **spurious audio**.
3. **Interpretation** with RoadBookAI's artificial intelligence: for each voice note the AI reads the transcription, the nearby notes in the roadbook (drawing, annotations, danger, surface), the map surface before, at and after the point, the direction of travel and the other nearby voice notes, and proposes an action with the FIA text, the confidence and the reason. The AI works only on the text, never on the audio.
4. **Safety check**, independent of the AI: directions ("to the right"), negations ("don't turn"), relative references ("100 metres later"), doubts, uncertain transcriptions and ambiguous positions always become **to review**.

Curated written notes apply straight away: danger ("Danger Level 1/2/3"), start and end of speed limits with DZ and FZ, HP. They attach to the roadbook note within 18 m or create a new one; they never change the km, position or drawing of existing notes.

Interpretations are kept in memory: processing the same recce again costs nothing.

Deciding on the notes



The Recce view: map of the notes, filtered list and details with audio and proposal.

The bar at the top counts the voice and written notes, those **to decide**, those already **in the roadbook** and the cost of the interpretation. The list has five filters: **To decide**, **All**, **In roadbook**, **Archived**, **Off track**.

For each note the details show:

- km (with the alternative km if the track passes again), distance from the track and time of recording;
- the **audio player**;
- the **transcription** with its confidence; you can correct it, press **Save text** and then have the AI **reinterpret** it;
- the **proposal**: what to do (new note, change to the annotations, danger, change of surface, waypoint, start or end of HP, speed limit, or organisational, not actionable, spurious audio), who proposed it, the confidence and the reason; if it is to review, the list of reasons;
- the **roadbook note concerned**, with its drawing.

Then choose:

CHOICE	WHAT HAPPENS
Accept ()	the proposal enters the roadbook: a new note or an updated note
Edit	correct the proposal (what to do, note or km, danger, surface, waypoint type, FIA text and free text) and press Save and accept

CHOICE

WHAT HAPPENS

Reject (S) the voice note stays archived, the roadbook does not change

↑ and ↓ move through the list, the Space bar starts or stops the audio. After a decision you move on to the next note to decide.

Accepted notes appear in the editor's RoadBook with the source **Recce voice note** (or *written note*) and, in the next saved version, with NEW NOTE or MODIF.

In the Recce view a decision is final: if you accept a note by mistake, correct it from the editor, directly on the roadbook note.

Tips for recording

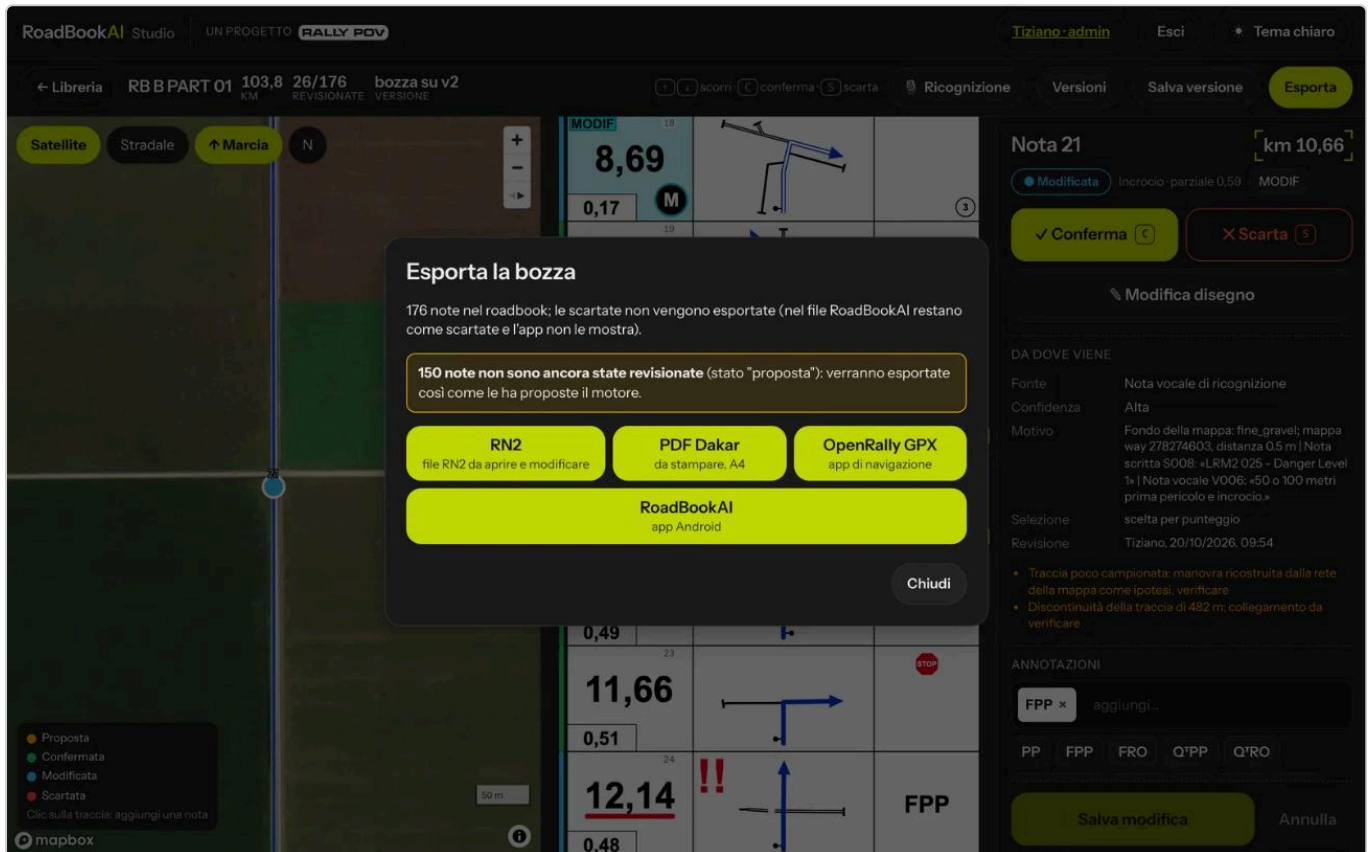
- Use short phrases with roadbook words: "start of dirt road", "danger junction with asphalt" and "put a danger 1" become the right proposals, in the right place.
- Very short notes can come out garbled in the transcription: listen to them again and correct the text before reinterpreting them.
- Directions and relative distances are always left to review: listen to them calmly in the Studio.

● AFTER THE REVIEW

Export

RN2, the format most widely used by roadbook apps and software, PDF Dakar to print, OpenRally GPX for navigation apps and the RoadBookAI file for the Android and iOS app.

Press **Export** in the editor bar. You export the version that is open: the **draft** with the work in progress, or a **saved version**, exactly as it is.



The Export window.

The window tells you how many notes there are and, if some are still in the *proposed* status, that they will be exported exactly as the engine proposed them. **Rejected notes are not exported**, except in the RoadBookAI file (see below).

RN2

The format most widely used by roadbook apps and software (version 4), ready to open and fine-tune.

- every point of the track, with the notes at the right km;
- editable drawings: arrival and exit lines with their surface, the roads for branches and bends;
- every icon, including those exclusive to RoadBookAI, with their drawing;
- the CAP of every note;
- waypoints with their radii;
- hand drawings, MODIF and NEW NOTE.

PDF Dakar

The roadbook to print on A4, with the Dakar layout:

- five notes per page, km / drawing / annotation columns;
- large total km and partial in its frame;
- CAP in yellow, dangers in red with the km underlined;
- coloured background in the km frame for waypoints, with their badge;
- orange frame between DZ and FZ;
- "Next" and "Danger" at the foot of the page.

OpenRally GPX

The open format read by navigation apps (version 1.0.3, validated against the official schema):

- one point per note with distance, CAP, danger;
- markers for waypoints and controls (`dss` , `ass` , `wpm` , `wpe` , `wps` , `wpc` , `wpv` , `wpp` , `wpn` , `dz` , `fz` , `checkpoint` , `dn` , `fn` , `dt` , `ft`) with opening and validation, speeds and neutralisations;
- the drawing and annotations of every note as images inside the file;
- the complete track.

RoadBookAI — Android and iOS app

The native `.roadbook.json` file (named `<roadbook>_v<version>.roadbook.json`), schema `roadbookai.roadbook.v1` : it is the whole roadbook, with vector notes, waypoints, zones, hand drawings, MODIF and NEW NOTE. Before it goes out, the file is read back and checked, so your navigation device always receives an intact file. Rejected notes stay in the file as rejected and the app does not show them.

It is the format of the [RoadBookAI app](#), on Android and on iPhone and iPad: unlike OpenRally, the app draws the notes as vectors instead of showing images of them.

Getting it onto your navigation device

The simplest way needs no file: sign in to the app with your account and the roadbook appears under **My roadbooks** as soon as you save a version in the Studio; one tap on **Download** and it works offline too. For events the roadbook arrives by itself, encrypted, under **My events**.

If you prefer the file, or for a device without an account:

1. Send the file to your navigation device however you like: Google Drive, WhatsApp (even to yourself), email, AirDrop or USB cable.
2. On the device, tap the file and choose **Open with → RoadBookAI**, or open the app, tap **Import roadbook** and choose the file.

The app confirms the import with the number of notes and waypoints.

● AFTER THE REVIEW

Public roadbooks

Publishing one of your roadbooks in the catalogue, the administrator's review, the catalogue by country in the Studio, the app and the website, downloading as RoadBook or GPX, copying into your library and reporting a problem.

Public roadbooks are roadbooks proposed by riders and organisers and approved by an administrator: you browse them by country, download them for free in the app (even without an account) and copy them into the Studio to adapt them.

Publishing a roadbook

In the Studio library, on the card of one of your roadbooks, press **Publish**. The window asks for:

- the **version** to publish (a saved version is always published, never the draft);
- **title** and optional **description**, in one or more of the five languages: readers see their own, otherwise another one with a notice;
- **vehicle** (motorbike, car and SSV, all), **difficulty** (easy, intermediate, challenging, expert), recommended **seasons**;
- up to **6 photos**, optional (GPS position and camera data are removed);
- the **licence**: CC BY-NC-SA 4.0, CC BY-NC 4.0 or CC BY 4.0, with your confirmation.

Pubblica "Anello delle valli"

Si pubblica una **versione salvata**: un amministratore la controlla, poi compare nel catalogo dello Studio, delle app e del sito. Puoi ritirarla quando vuoi.

VERSIONE DA PUBBLICARE

Versione 1

TITOLO

Anello delle valli

DESCRIZIONE (FACOLTATIVA)

IT EN FR ES DE

Fondo, punti panoramici, rifornimenti, passaggi delicati...

Scrivila in una o più lingue: chi legge vede la sua, altrimenti una delle altre.

VEICOLO

Moto Auto e SSV Tutti i veicoli

DIFFICOLTÀ

Facile Media Impegnativa Per esperti

STAGIONE CONSIGLIATA

Primavera Estate Autunno Inverno

Nessuna scelta: tutto l'anno.

FOTO (FACOLTATIVE, AL MASSIMO 6)

Choose Files No file chosen

JPEG, PNG o WebP. Posizione GPS e dati della fotocamera vengono tolti.

LICENZA D'USO

CC BY-NC-SA 4.0: uso non commerciale, citando l'autore, con la stessa licenza

CC BY-NC 4.0: uso non commerciale, citando l'autore

CC BY 4.0: uso libero, anche commerciale, citando l'autore

Calcolato dalla traccia

Lunghezza	103,8 km
Note	392
Waypoint	8
Nazioni	Italia
Regioni	Piemonte
Fondo	Asfalto 40%, Sterrato 60%
Dislivello	+1090 m / -545 m

Pubblicazioni di questo roadbook

Nessuna: il roadbook è visibile solo a te e a chi lo condividi.

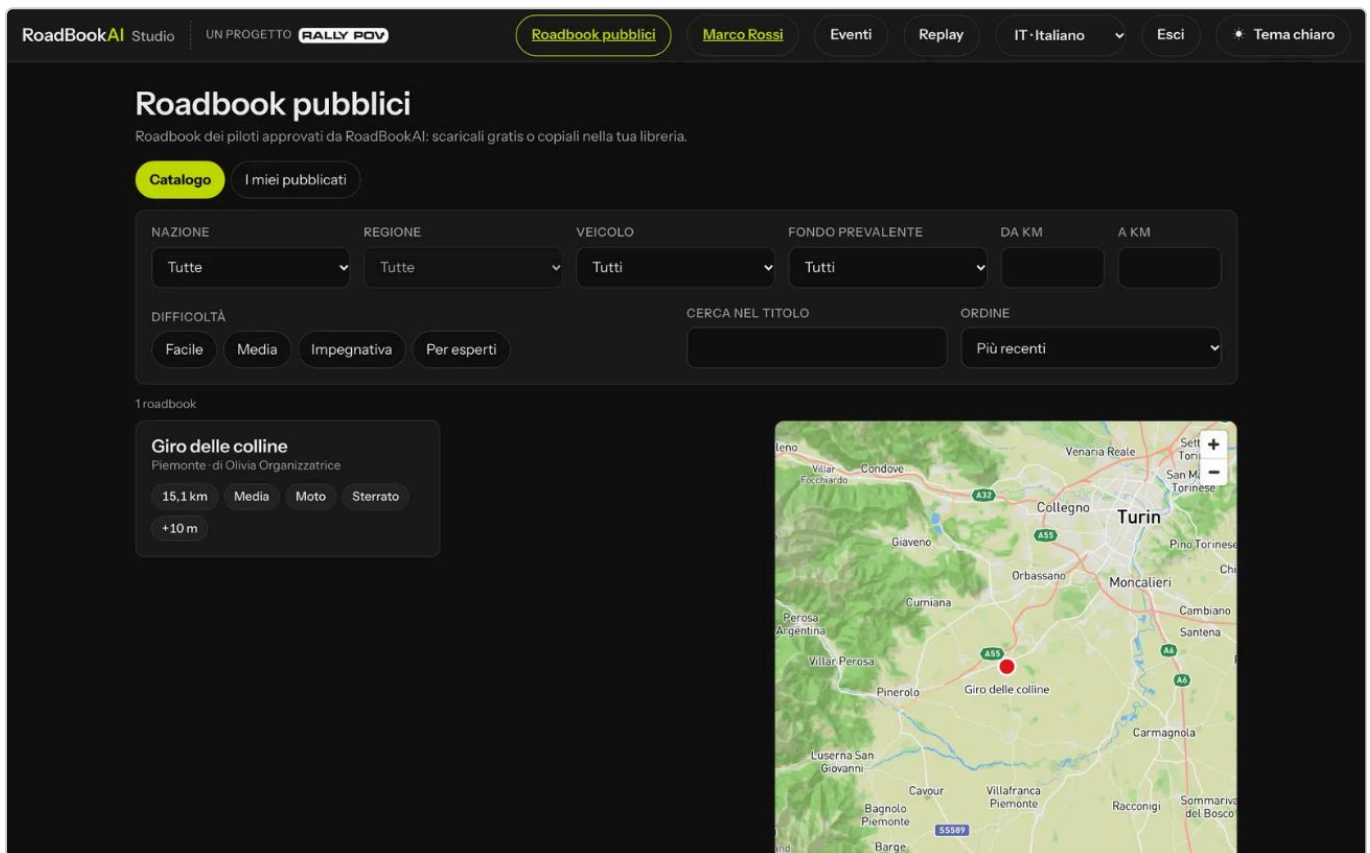
On the right, the data RoadBookAI calculates from the track.

Alongside, the data **calculated from the track**: length, notes, waypoints, **countries and regions** crossed with the km in each, **surface** as a percentage (tarmac, dirt road, track, read from the RoadBook notes), elevation and altitude. The proposal goes to an administrator, who **approves** it or **rejects** it with a reason; you receive an email in both cases.

In **Public roadbooks** › **My published** you see the status of each proposal, the reason for a rejection and the **downloads** (total and in the last 30 days). When you publish a new version, the previous one is replaced and the downloads move to the new one. You can **withdraw** a roadbook at any time.

The catalogue in the Studio

Public roadbooks in the Studio bar opens the catalogue, with filters for country, region, vehicle, main surface, km, difficulty, search in the title and sort order; next to it, the map of the starts.



The catalogue: filters on the left, starts on the map.

The **page** of a roadbook shows the map of the track, the data, the description, the photos, the first notes of the RoadBook and the buttons:

- **Download the RoadBook** (the file for the app) and **Download the GPX**;
- **Copy into my library**: a new roadbook, version 1, that you edit as you like;
- **Public page**: the same page on the website;
- **Report a problem**: a closed road, a danger not marked, a no-entry section.

RoadBookAI Studio
UN PROGETTO RALLY POV
Roadbook pubblici
Marco Rossi
Eventi
Replay
IT - Italiano
Esci
Tema chiaro

Roadbook pubblici

Roadbook dei piloti approvati da RoadBookAI: scaricali gratis o copiali nella tua libreria.

Catalogo
I miei pubblicati

← Catalogo

Giro delle colline

di Olivia Organizzatrice

15.1 km
Media
Moto
Sterrato
+10 m

Un anello facile fra colline e frutteti, quasi tutto su strade bianche.

Scarica il RoadBook
Scarica il GPX
Copia nella mia libreria
Pagina pubblica

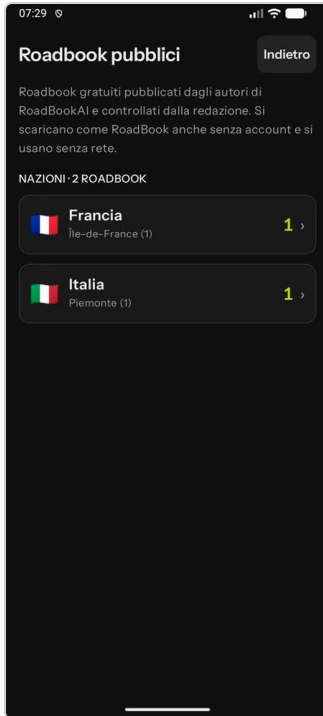
Segnala un problema

Lunghezza	15,1 km
Difficoltà	Media
Veicolo	Moto
Fondo	Sterrato (Asfalto 42%, Sterrato 58%)
Dislivello	+10 m / -0 m
Quote	302-330 m
Note	25
Waypoint	8
Nazioni	Italia
Regioni	Piemonte
Stagione consigliata	Primavera, Autunno
Autore	Olivia Organizzatrice
Versione	v1
Pubblicato il	21/10/2026
Scarichi	0

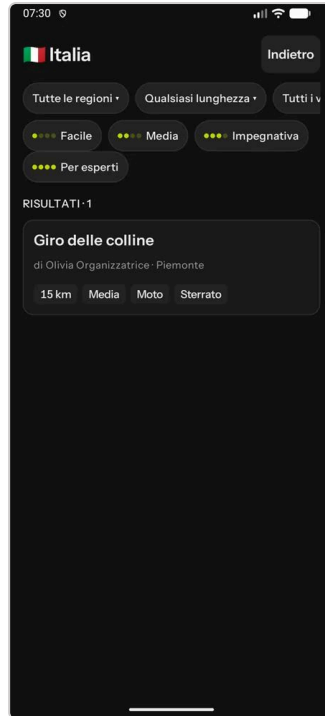
The page of a public roadbook in the Studio.

In the app

Public roadbooks on the home screen: the countries with their flags and how many roadbooks there are, then for each country the filters (region, length, vehicle, surface, difficulty, sort order) and the page with the simplified map of the track, the data, the description and the **first notes** of the RoadBook. **Download as RoadBook** puts it in the phone's library, even **without an account**, and from there it works offline like the others: Navigate, Training, Simulation, Recce, offline map and GPX navigation. Pages you have already seen can still be browsed offline.



The countries of the catalogue.



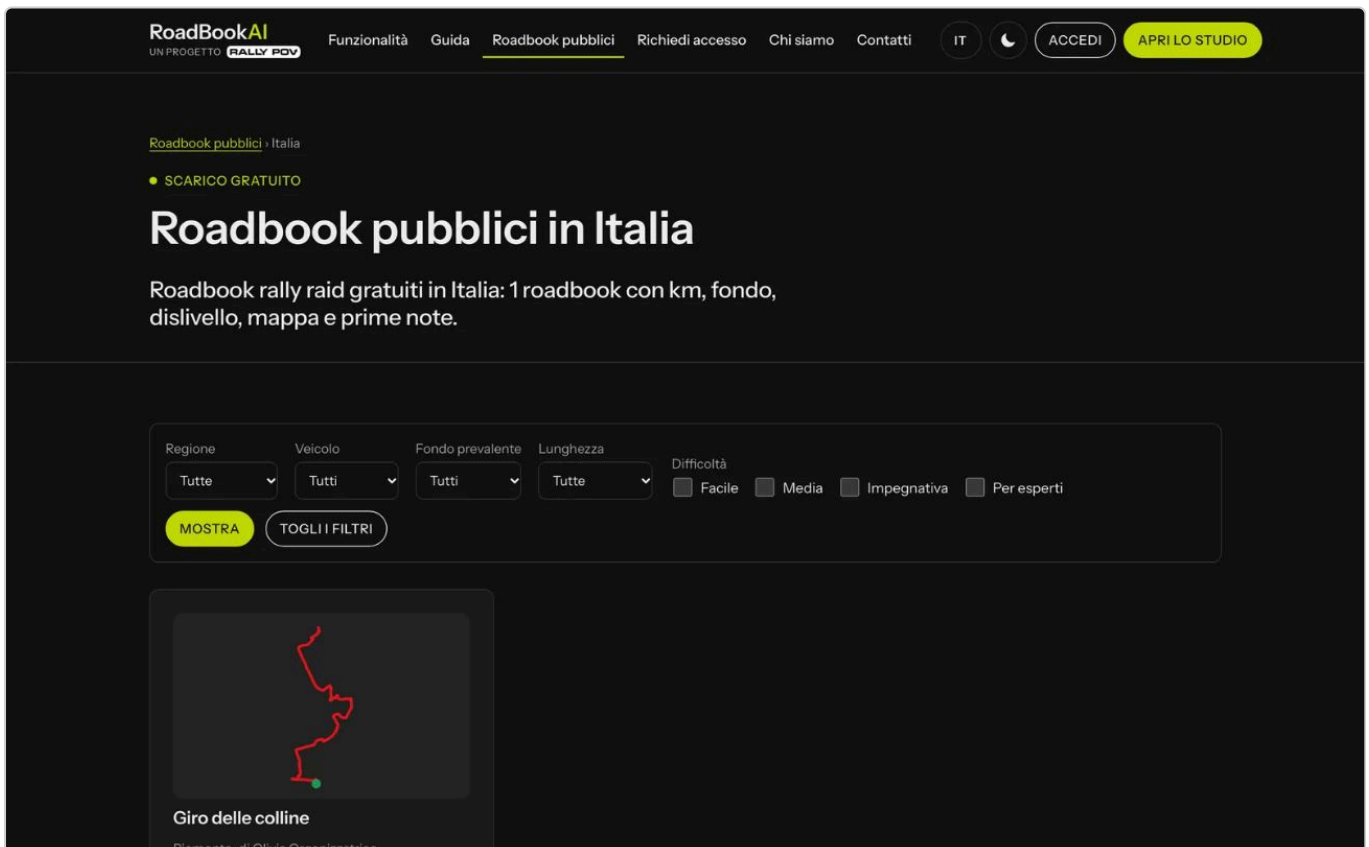
One country, with the filters.



The page and the download.

On the website

The catalogue is also on the website, in five languages, without an account: **Public roadbooks**, with a page for each country, the filters and a page for each roadbook with the static map, the data, the first notes, the photos and the downloads. These pages are designed to be found by search engines.



The public roadbooks of one country, on the website.

Moderation and reports

Administrators approve, reject and withdraw proposals and deal with reports: see [Users and roles](#).

Map data can be incomplete and change with the seasons: a public roadbook, like any roadbook, should be ridden with care and confirmed on the ground.

● ORGANISING AN EVENT

Events and stages

For the organiser - creating an event and accepting the joint controllership agreement, choosing classes and team, freezing the roadbook of each stage, giving riders the offline map, issuing a last-minute version and keeping the race data.

An **event** is the rally or raid you organise: it has its **stages**, its **classes**, its **entrants** and a **team** working with you. Each stage uses a roadbook reviewed in the Studio and frozen in a version that never changes again: that is the one that reaches the riders' phones, encrypted, and the one the service uses to calculate the results.

The full sequence, in order:

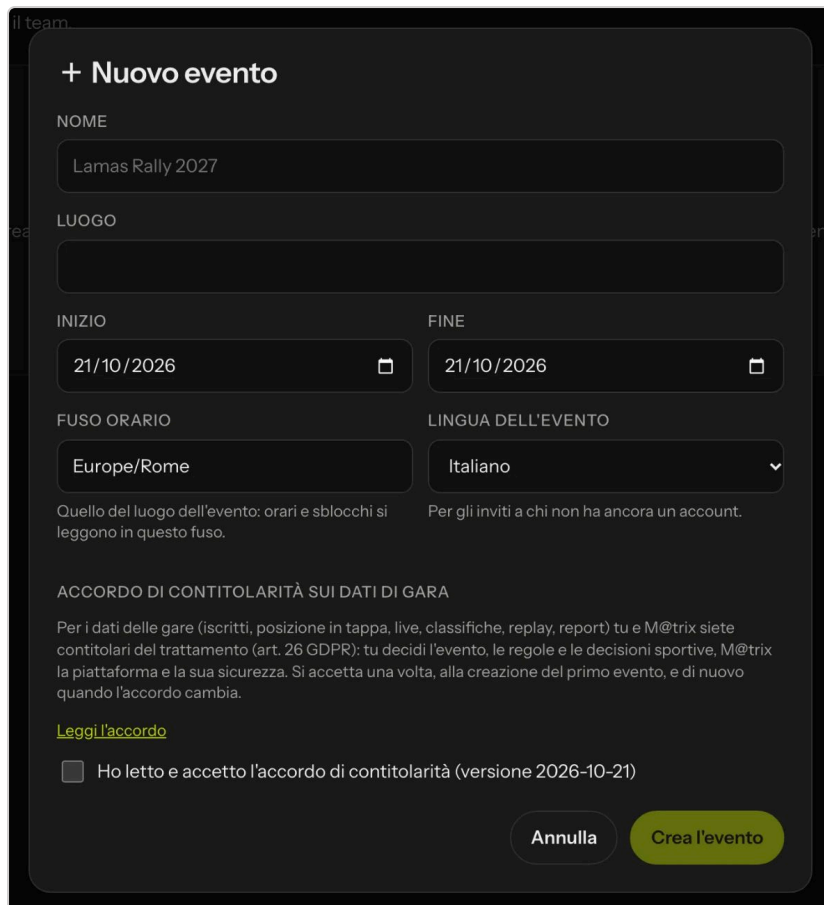
1. you prepare the roadbooks in the Studio and **save a version** of each one ([Versions and comparison](#));
2. you create the event, the classes and the stages (this chapter);
3. you choose the [stage rules](#);
4. you upload the entrants and assign the start times ([Entrants, start times and unlocking](#));
5. on race day you follow the [live tracking and the results](#), then review everything in the [replay](#).

Who can organise

The **organiser** role is given by an administrator (Administration › Users › **Make organiser**, see [Users and roles](#)). From then on **Events** appears in the Studio bar. During the trial period you request the role by writing to info@rallypov.it.

Creating the event

In **Events** press + **New event** and enter name, place, start and end dates, **time zone** and **event language**. The first time (and whenever the text changes) the window also asks you to accept the **joint controllership agreement** on race data (see below).



+ Nuovo evento

NOME
Lamas Rally 2027

LUOGO

INIZIO
21/10/2026

FINE
21/10/2026

FUSO ORARIO
Europe/Rome

LINGUA DELL'EVENTO
Italiano

Quello del luogo dell'evento: orari e sbocchi si leggono in questo fuso. Per gli inviti a chi non ha ancora un account.

ACCORDO DI CONTITOLARITÀ SUI DATI DI GARA

Per i dati delle gare (iscritti, posizione in tappa, live, classifiche, replay, report) tu e M@trix siete contitolari del trattamento (art. 26 GDPR): tu decidi l'evento, le regole e le decisioni sportive, M@trix la piattaforma e la sua sicurezza. Si accetta una volta, alla creazione del primo evento, e di nuovo quando l'accordo cambia.

[Leggi l'accordo](#)

☐ Ho letto e accetto l'accordo di contitolarità (versione 2026-10-21)

Annulla Crea l'evento

New event: the time zone is the one where the race takes place; at the bottom, the joint controllership agreement.

- The **time zone** matters: start times, unlocks and results are read in this zone, even if you or the riders are somewhere else.
- The **event language** is the language of the invitations for people who do not have an account yet; people who already have one receive emails in their own language.

The joint controllership agreement

In a race, the riders' data (entry, position during the stage, live tracking, classifications, replays, reports) are processed **jointly** by you and M@trix: you are **joint controllers** (Article 26 GDPR). In short:

- **you** decide the event, the rules, the sporting decisions and the manual corrections, collect the entrants' data (and the parental consent for minors) and inform the riders through the supplementary regulations;
- **M@trix** runs the platform, the technical means, security, suppliers and data retention;
- there is a **single point of contact** for the riders' rights; data breaches are reported to each other within 48 hours.

You accept it **once**, by ticking **I have read and accept the joint controllership agreement** in the *New event* window; **Read the agreement** opens the text on the [Privacy](#) page. The date, time and version of your acceptance are recorded. If the agreement changes, the new version is requested when you create your next event; events already created keep the version you had accepted.

The event opens on the **General** tab. Along the top are the tabs General, Stages, Entrants, Start times, Race (live), Results, Replay, Rider preview and Change log.

The screenshot shows the 'Rally delle Colline' event page in the RoadBookAI Studio. The top navigation bar includes 'RoadBookAI Studio', 'UN PROGETTO RALLY POV', 'Roadbook pubblici', 'Olivia Organizzatrice', 'Eventi', 'Replay', 'IT - Italiano', 'Esci', and 'Tema chiaro'. The event page has a '← Eventi' button and the title 'Rally delle Colline'. Below the title, it shows the dates 'mer 21 ott 2026 - gio 22 ott 2026', the location 'Pinerolo', and the region 'Europe/Rome'. A green 'Organizzatore' button is also present. A horizontal menu contains 'Generale' (highlighted), 'Tappe', 'Iscritti', 'Orari di partenza', 'Gara (live)', 'Risultati', 'Replay', 'Anteprima del pilota', and 'Registro delle modifiche'. The main content area is divided into three panels: 'Dati dell'evento' (Event Data), 'Classi' (Classes), and 'Team'. The 'Dati dell'evento' panel includes fields for 'NOME' (Rally delle Colline), 'LUOGO' (Pinerolo), 'DESCRIZIONE', 'INIZIO' (21/10/2026), 'FINE' (22/10/2026), 'FUSO ORARIO' (Europe/Rome), 'LINGUA DELL'EVENTO' (Italiano), and 'VISIBILITÀ' (Pubblico). The 'Classi' panel lists 'Moto' and 'Auto' with 'Rinomina' and 'Elimina' buttons, and a 'Nuova classe (es. Moto)' button. The 'Team' panel lists 'Olivia Organizzatrice' (Organizzatore), 'Diego Direttore' (Direttore di gara), and 'Teo Tutor' (Tutor dell'evento), with an 'Email di un account' field and a 'Direttore di gara' dropdown.

General: event details, classes and team.

Event details

As well as name, place and dates you will find:

- **Visibility:** *Private* (only the team and the entrants see it), *Unlisted* or *Public*. The public results, live and replay pages are switched on separately, from the Results and Replay tabs.
- **Stage unlocking:** when the encrypted package is downloaded (default **48 hours before**), when it opens (**20 minutes before** each rider's start) and when it is removed from the phone (**12 hours after** the end of the stage). Each stage can have its own times.
- **Offline map:** GPX entrants always receive the stage map; here you decide whether RoadBook riders get it too (default: no).

Retention of race data

The **Retention of race data** panel tells you when the race data will be deleted: **tracks, replays, reports and the decision log** are kept for **3 years after the end of the event**, then deleted automatically. The event, stages, entrants, start times and **classifications** remain as long as the event is published. Thirty days before, you receive an email with the link to the export.

Export all event data (ZIP) downloads the complete archive at any time: event, classes, stages, team, entrants and start times, results, corrections, log, comments, a GPX track and the app actions for each ride, and the live positions. If there is a protest, an appeal or a request from an authority, an administrator can mark a **dispute in progress**: while it lasts, nothing is deleted.

DESCRIZIONE

INIZIO

21/10/2026

FINE

22/10/2026

FUSO ORARIO

Europe/Rome

LINGUA DELL'EVENTO

Italiano

Quello del luogo dell'evento: orari e sblocchi si leggono in questo fuso.

Per gli inviti a chi non ha ancora un account.

VISIBILITÀ

Pubblico

Le pagine pubbliche degli eventi arriveranno più avanti: oggi l'evento lo vedono solo team e iscritti.

SBLOCCO DELLE TAPPE

Il roadbook cifrato si scarica sul telefono prima (anche senza rete dopo), si apre qualche minuto prima della partenza di ogni pilota secondo l'ora del GPS e si toglie dopo la tappa. Valori predefiniti: 48 ore, 20 minuti, 12 ore; ogni tappa può cambiarli.

SCARICO (ORE PRIMA)

48

APERTURA (MINUTI PRIMA)

20

RIMOZIONE (ORE DOPO)

12

MAPPA OFFLINE

☐ Mappa offline anche ai piloti RoadBook

Agli iscritti GPX la mappa della tappa arriva sempre. Se la concedi anche ai piloti RoadBook, la ricevono cifrata insieme alla tappa e la aprono all'ora di sblocco.

Salva

Notifiche push non configurate: le app scoprono le novità quando sincronizzano.

Nuova classe (es. Moto)

Aggiungi

Team

Collaboratori con un account RoadBookAI: scegli il ruolo di ognuno.

Olivia Organizzatrice

organizzatore@prova.local

Organizzatore

Diego Direttore

direttore@prova.local

Direttore di gara

Togli

Teo Tutor

tutor@prova.local

Tutor dell'evento

Togli

Email di un account

Direttore di gara

Aggiungi

Cosa può fare ogni ruolo

Conservazione dei dati di gara

Tracce, replay, report e registro delle decisioni si cancellano 3 anni dopo la fine dell'evento; le classifiche restano finché l'evento è pubblicato. L'organizzatore riceve un'email 30 giorni prima.

Cancellazione prevista: 22/10/2029, 23:59

Esporta tutti i dati dell'evento (ZIP)

Elimina l'evento

Tappe, iscritti, orari e pacchetti spariscono per sempre. Per confermare scrivi il nome dell'evento: Rally delle Colline

Elimina

Retention of race data and full export.

Classes

Bike, Car, Quad, Open or whatever you use: you enter them in the **Classes** panel (or they are created automatically when you upload the entrants). Each class can then have its own settings in each stage.

Team

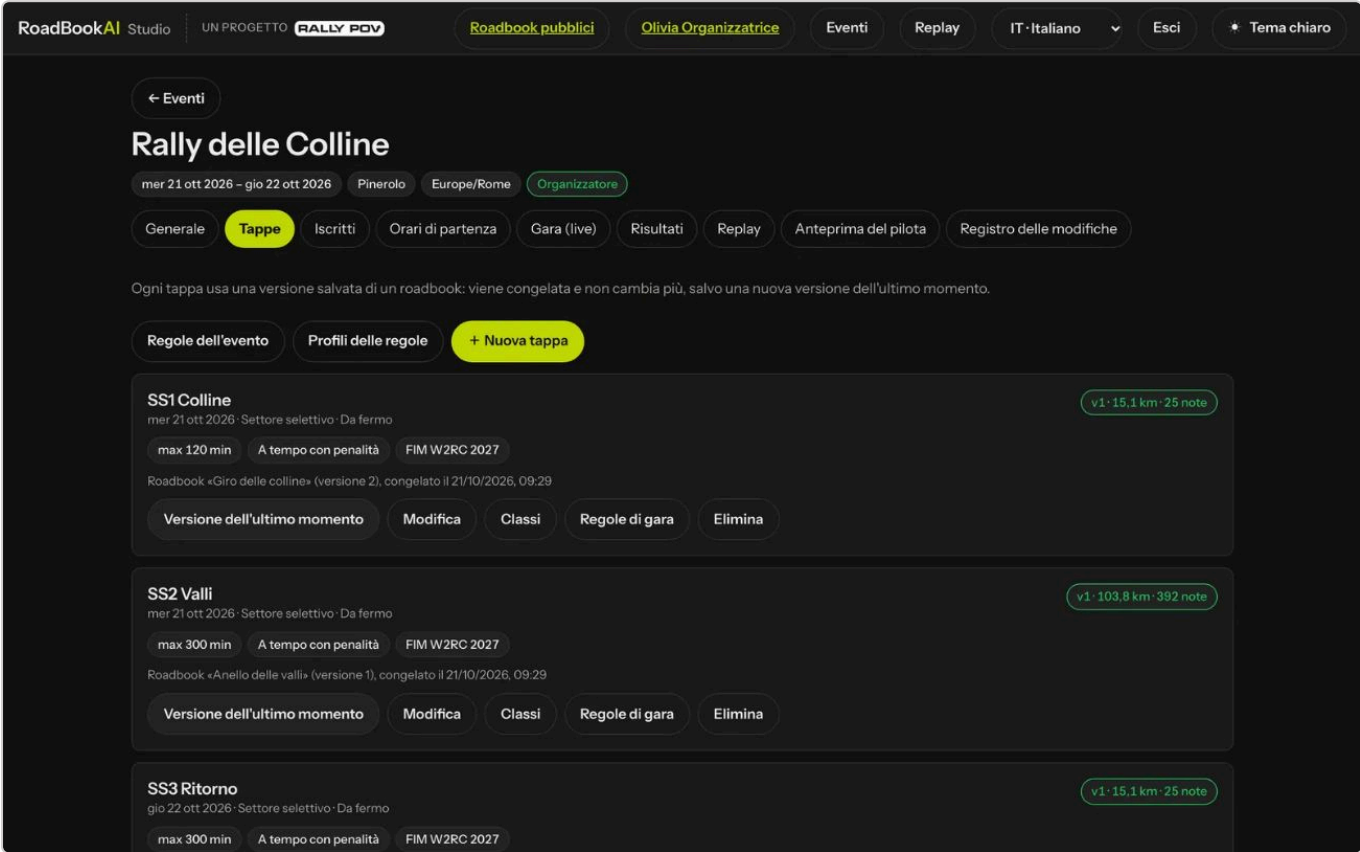
In the **Team** panel you add your collaborators with the email of their RoadBookAI account and choose their role:

ROLE	WHAT THEY CAN DO
Clerk of the course	details, stages, classes, rules, last-minute versions, entrants, start times; enables and blocks riders; corrections to the results
Timekeeper	sees everything and sets the start times
Event tutor	sees everything and comments on the riders' replays
Read only	sees everything, changes nothing

Only you, as the organiser, manage the team and delete the event. People who are not part of the event cannot even see it.

Stages

At the top of the **Stages** tab there are also **Event rules** (the start rules for every new stage, which you can apply to all stages) and **Rules profiles** (see [Organiser profiles](#)). Then press **+ New stage**: name, date, type (**Prologue**, **Selective section**, **Liaison**), start (**Standing**, **Rolling**, **Open rolling**), maximum time, general speed limit, whether it counts towards the overall classification and whether the offline map also goes to RoadBook riders (*Same as the event*, yes, no).



Each stage shows the frozen roadbook, the version, the km and the notes.

SS1 Colline

NOME: SS1 Colline DATA: 21/10/2026

TIPO: Prologo **Settore selettivo** Trasferimento

PARTENZA: **Da fermo** Lanciata Lanciata libera

Orario DSS individuale: la tappa si apre per ognuno qualche minuto prima della sua partenza.

TEMPO MASSIMO (MINUTI): 120 LIMITE DI VELOCITÀ (KM/H): —

☒ Conta nella classifica generale

MAPPA OFFLINE AI PILOTI ROADBOOK: Come l'evento (No)

Agli iscritti GPX la mappa della tappa arriva sempre. Se la concedi anche ai piloti RoadBook, la ricevono cifrata insieme alla tappa e la aprono all'ora di sblocco.

► Tempi di sblocco propri e ordine

Annulla Salva

The stage settings.

The type of start decides how time is measured:

- **Standing:** each rider has their own time at the DSS; the stage opens for them a few minutes before.
- **Rolling:** there is a start window (for example 60 minutes) and timing starts when the rider passes the DSS.
- **Open rolling:** riders start whenever they like during the day, timing starts at the DSS.

Freezing the roadbook

Each stage needs its roadbook. Choose a roadbook from the Studio (yours, or shared with you with edit permission) and one of its **saved versions**: it is **copied into the event** with a checksum and from then on it never changes, even if you keep working on the draft in the Studio. The stage panel tells you which roadbook, which version and when it was frozen.

Before freezing, check the waypoints: DSS and ASS mark the boundaries of the section, and the radii and penalties are the ones the app will use and the service will check.

Settings by class

Classes opens a table with one row per class: whether the class **runs** the stage, type of start, time or window, maximum time, speed limit, whether it counts towards the overall classification and the off-course alarm. Empty fields stay as the stage.

Classi · SS1 Colline

Ogni classe può non correre la tappa o cambiarne le impostazioni; i campi vuoti restano come la tappa.

CLASSE	CORRE	PARTENZA	ORA DELLA PARTENZA LIBERA	FINESTRA (MINUTI)	TEMPO MASSIMO (MINUTI)	LIMITE DI VELOCITÀ (KM/H)	CONTA NELLA CLASSIFICA GENERALE	ALLARME FUORI TRACCIA
Moto	☒	come la tappa	--:--	60	120	—	come la tappa	come la tappa
Auto	☒	come la tappa	--:--	60	120	—	come la tappa	come la tappa

Annulla Salva

Each class changes only what it needs to.

Last-minute version

A closed track, a river in flood, a note to correct the evening before: in the Studio you correct the roadbook and **save a new version** (the changed notes get MODIF and NEW NOTE automatically). Then, in the stage, press **Last-minute version**, choose the version and enter the **reason** (for example "MODIF note 41: track closed, detour to the right").

Versione dell'ultimo momento

Salva prima nello Studio la versione corretta del roadbook (MODIF, NEW NOTE...), poi congelala qui: i pacchetti si rigenerano e le app ricevono un avviso, anche a tappa aperta.

ROADBOOK: Giro delle colline · 15,1 km

VERSIONE SALVATA: l'ultima salvata

MOTIVO: MODIF nota 41: pista chiusa, deviazione a destra

Lo vede il pilota nell'avviso della nuova versione.

Versioni della tappa

VERSIONE	ROADBOOK	KM	MOTIVO	QUANDO
v1	Giro delle colline (v2)	15,1	—	21/10/2026, 09:29

Annulla Congela per la tappa

The rider reads the reason in the notice.

When you press **Freeze for the stage**:

- the riders' packages are regenerated;
- the apps receive a **notice** with the reason and the list of changed notes;
- if a rider has already opened the stage, the notice appears in the cockpit with **Apply now** or **Later**: when it is applied, odometer, validated waypoints and stopwatch stay where they are.

The **Stage versions** history stays in the window.

Change log

Every change to the event, the stages, the entrants, the start times and the results goes into the **Change log**, with who made it and when. It is the reference when, after the race, someone asks "who changed that start time?".

RoadBookAI StudioUN PROGETTO RALLY POV

Roadbook pubbliciOlivia OrganizzatriceEventiReplayIT - ItalianoEsciTema chiaro

← Eventi

Rally delle Colline

mer 21 ott 2026 – gio 22 ott 2026PineroloEurope/RomeOrganizzatore

GeneraleTappeIscrittiOrari di partenzaGara (live)RisultatiReplayAnteprima del pilotaRegistro delle modifiche

Registro delle modifiche

Ogni modifica a evento, tappe, iscritti e orari, con chi l'ha fatta.

QUANDO	CHI	AZIONE	DETTAGLIO
21/10/2026, 09:29	organizzatore@prova.local	classifica_stato	SS1 Colline: provvisoria
21/10/2026, 09:29	organizzatore@prova.local	gara_ricalcolo	SS1 Colline, SS2 Valli, SS3 Ritorno
21/10/2026, 09:29	direttore@prova.local	gara_decisione	SS1 Colline: tutti: neutralizza_wp WP 7: WP scritto fuori posto nel RoadBook
21/10/2026, 09:29	direttore@prova.local	gara_correzione	SS1 Colline: 12: modifica 300 s chiave=wp_6db163fbfee WP poco visibile dopo le piogge: penalità ridotta
21/10/2026, 09:29	organizzatore@prova.local	report_pilota	evento=tappa_chiusa, tappe=0
21/10/2026, 09:29	organizzatore@prova.local	tappa_modificata	SS1 Colline: tempo_massimo_minuti
21/10/2026, 09:29	organizzatore@prova.local	replay_impostazioni	visibilita=ritardo, ritardo=10, pubblici=1, fuori_traccia=predefinito
21/10/2026, 09:29	direttore@prova.local	gara_correzione	SS1 Colline: 21: bonus 180 s: si è fermata a soccorrere il pilota 12
21/10/2026, 09:29	direttore@prova.local	gara_correzione	SS1 Colline: 7: controllata controllata=True

The log: time, author, action and detail.

● ORGANISING AN EVENT

Entrants, start times and unlocking

For the organiser - uploading entrants from a spreadsheet, minors and parental consent, entry statuses, the starting order generator (FIM or custom), the encrypted package that opens at GPS time and the preview of what the rider sees.

Riders do not download files and do not receive roadbooks by email: they sign in to the app with their account and find the event under **My events**. For this to happen two things are needed: an **accepted entry** and a **start time** in the stage.

Uploading the entrants

In the **Entrants** tab press **Upload list (CSV or paste)**. You can choose a CSV file or paste the rows copied from a spreadsheet. One row per entrant, with:

COLUMN	EXAMPLE	NOTES
email	<u>mark@example.com</u>	the one the rider uses to sign in to the app; required
name	Mark Smith	as it will appear in the results
number	7	race number
class	Bike	if it does not exist and the option is ticked, the class is created
navigation	RoadBook or GPX	decides what the rider receives and their category in the results
team, status, language		optional
minorenne, consenso_genitori (minor, parental consent)	yes / no	optional: a minor takes part only with the parental consent you have collected; without consent the entry stays pending and is not activated

With a header row the column order is free; the separator (comma, semicolon, tab) is detected automatically, and the headers can be written in Italian, English, French, Spanish or German.

Press **Preview**: each row shows how it will be imported, with errors in red (for example an invalid email) and warnings (a new class, an invitation to send). The import is **all or nothing**: if there is an error, you correct it and run the preview again. Uploading the list again updates the entrants already there, without duplicates.

Carica elenco (CSV o incolla)

Una riga per iscritto: email, nome, numero, classe, navigazione (RoadBook o GPX), team, stato, lingua, minorenni e consenso dei genitori (sì/no: un minorenni senza consenso resta in attesa). Con l'installazione l'ordine delle colonne è libero; il separatore (virgola, punto e virgola, tabulazione) si riconosce da solo. Prima l'anteprima, poi l'importazione: chi c'è già viene aggiornato.

Choose File

No file chosen

Esempio

```
email;nome;numero;classe;navigazione;minorenni;consenso_genitori
elisa@prova.local;Elisa Riva;45;Moto;RoadBook;no;
franco@prova.local;Franco Sala;46;Quad;GPX;sì;no
senza-chiocciola;Mario Bruno;47;Moto;RoadBook;no;
```

☒ Crea le classi che non esistono
 ☒ Manda l'invito a chi non ha un account

1 riga con errori: correggila e rifai l'anteprima. Classi nuove: Quad.

RIGA	NOME	N°	CLASSE	NAVIGAZIONE	STATO	ESITO
2	Elisa Riva elisa@prova.local	45	Moto	RoadBook	Accettato	nuovo · riceve l'invito
3	Franco Sala franco@prova.local	46	Quad	GPX	In attesa	nuovo · riceve l'invito minorenni senza consenso dei genitori: resta in attesa classe nuova
4	Mario Bruno senza-chiocciola	47	Moto	RoadBook	Accettato	Email non valida

Annulla

Anteprima

Importa 2 iscritti

The preview flags the row to correct before importing.

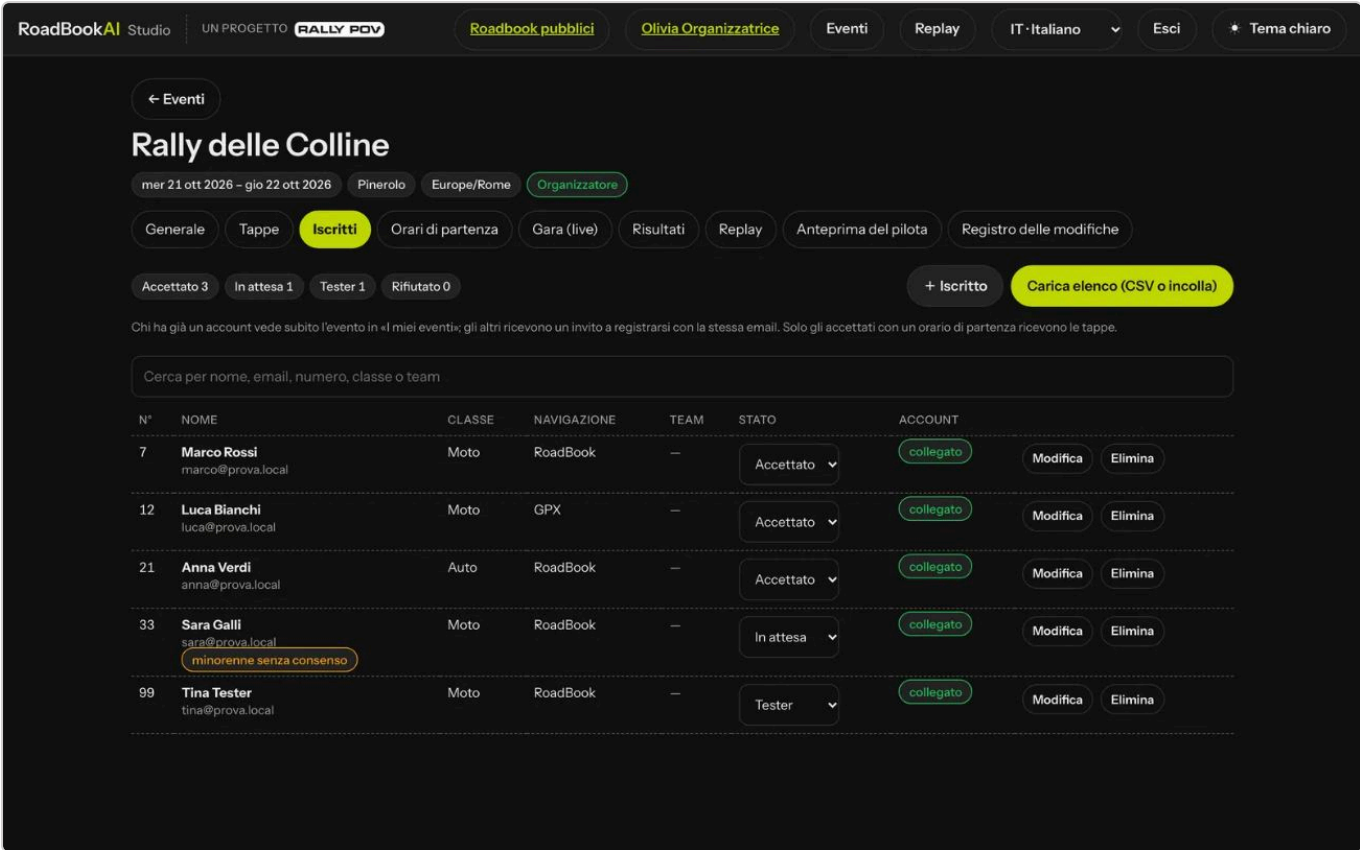
With **Send the invitation to those without an account**, people who are not registered yet receive an email in the event language: they sign up with that address, confirm the email and their account is **active straight away**, without waiting for an administrator's approval. People who already have an account find the event in the app at the next refresh. You can also add an entrant by hand, with **+ Entrant**.

Minors

A RoadBookAI account is for adults only. A **minor** holding a sporting licence takes part in an event only if you enter them, **with the consent of the holders of parental responsibility**, which you collect. In the list you use the columns *minorenni* and *consenso_genitori* (yes/no); in the entrant's form you choose **Minor**: *No*, *Yes, parental consent collected by the organiser* or *Yes, parental consent not yet collected*.

As long as consent is missing the entry **stays pending and is not activated**: no invitation, the event does not appear in the app or in the Studio, and the rider is not included in the calculation. In the list a label marks minors, in orange those without consent.

Entry statuses



The Account column tells you whether the email is already linked to a RoadBookAI account.

STATUS	WHAT IT MEANS
Pending	entry received, not confirmed yet: the rider sees the event but the stages stay closed
Accepted	takes part: receives the stages they have a start time for
Rejected	does not take part
Tester	tries the stages before the race (for example an opening rider or someone checking the roadbook) and never appears in the results or on the public pages

Start times

In the **Start times** tab choose the stage: the list of riders shows each one's **start time**, which you can change by hand, and the **Stage now** column tells you what each rider sees at this moment (locked, downloadable, open).

Rally delle Colline

mer 21 ott 2026 - gio 22 ott 2026 | Pinerolo | Europe/Rome | **Organizzatore**

Generale | Tappe | Iscritti | **Orari di partenza** | Gara (live) | Risultati | Replay | Anteprima del pilota | Registro delle modifiche

SS1 Colline | SS2 Valli | SS3 Ritorno

Orari nel fuso dell'evento (Europe/Rome). Senza orario la tappa resta chiusa per quel pilota: è così che si decide chi parte nella tappa successiva.
mer 21 ott 2026 - si apre 20 minuti prima della partenza, si scarica 48 ore prima

▼ Ordine di partenza

Genera l'ordine e gli orari di partenza della tappa, controlla l'anteprima (puoi trascinare i piloti), poi Applica: gli orari vanno ai piloti nell'app e restano modificabili uno per uno.

MODALITÀ: Regolamento FIM | INTERVALLI (PILOTI X SECONDI: 0 = TUTTI I RESTANTI): 10x180; 10x120; 0x | PILOTI INSIEME: 1 | PAUSE (DOPO IL PILOTA = MINUTI): | CATEGORIE AL PROLOGO, IN ORDINE: Quad; Rally3; Rally.

Art. 17: prologo per categorie in ordine inverso dei numeri; prima tappa dopo il prologo: lista N (RallyGP e Rally2 nei primi dieci) in ordine inverso del prologo, i primi dieci scelgono il posto (trascina), poi gli altri in ordine di prologo; dalla seconda tappa: classifica del giorno prima con le penalità, una lista sola. Intervalli: 10 ogni 3', 10 ogni 2', poi uno al minuto (o due ogni 30 s).

PRIMA PARTENZA: 21/10/2026, 08:00 | Anteprima | [Lista da affiggere \(PDF\)](#) | [Lista \(CSV\)](#)

N°	NOME	CLASSE	STATO	ORARIO DI PARTENZA	TAPPA ADESSO
7	Marco Rossi RoadBook	Moto	Accettato	21/10/2026, 05:29:00	Aperta Blocca
12	Luca Bianchi GPX	Moto	Accettato	21/10/2026, 05:31:00	Aperta Blocca

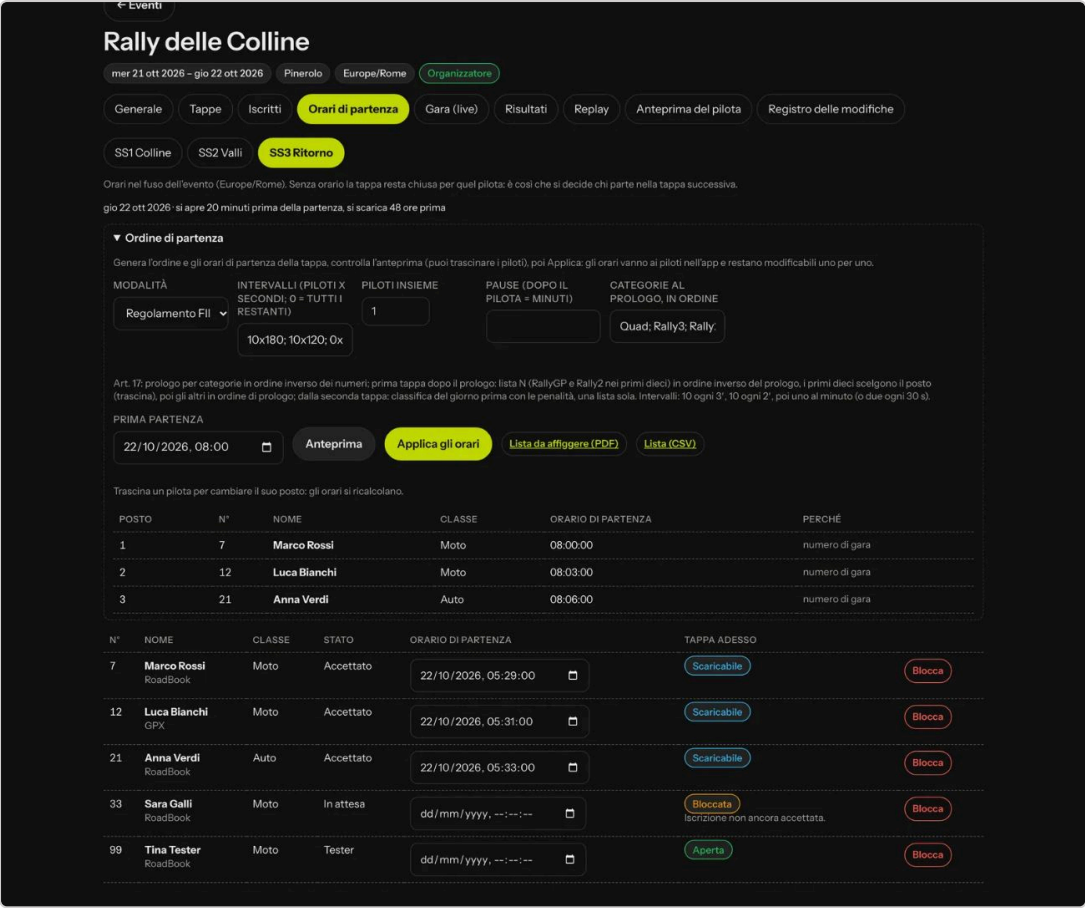
Start times: the order generator at the top, the times rider by rider below.

The starting order generator

The **Starting order** panel calculates the order and the start times of the stage. There are two modes:

- **FIM W2RC 2027 regulations** (Art. 17): the first ten riders on the list start every 3 minutes, the next ten every 2, then one a minute. At the **prologue** riders start by category (Quad, Rally3, Rally2, RallyGP, editable) in reverse race-number order; at the **first stage after the prologue** list N (RallyGP and Rally2 in the top ten) takes the first places in reverse prologue order, then the others in prologue order; **from the second stage** the previous day's results for the sections apply, penalties included. The top ten choose their place live: you drag the rows in the preview.
- **Custom**: first start, **intervals** in bands ("10x180; 0x60": the first ten every 180 s, then everyone every 60 s), **riders together** (for example two every 30 seconds), scheduled **breaks** ("30=10": 10 minutes after the thirtieth rider), order by race number, from the previous stage results, from the overall results, **random** (with a **seed** that stays in the log and recreates the same list) or **by hand** by dragging; classes one after the other with a break; riders who retired, did not start or were disqualified in the previous stage are excluded.

Preview shows place, number, name, class, time and the **reason** for each place; when you drag a rider the times are recalculated. **Apply the times** writes them: each rider receives the notice and their time in the app, the packages are regenerated and everything stays in the log (mode, order, seed). **Start list to post (PDF)** and **List (CSV)** give you the start list to print. The generator's values can also be saved in the stage rules and in the profiles.



The generator in FIM mode: preview with the place and the reason, then Apply the times.

The start time is also the key to the stage: **without a start time the stage stays closed**. This is how the clerk of the course decides who starts the next stage. The **Block** button closes the stage to a single rider (for example someone who has retired or been excluded): their package is removed from the phone at the next sync.

The encrypted package and unlocking

For each stage and each rider the service prepares an **encrypted package** with the roadbook, the track, the stage rules, the settings of their class and the times. Each package has its own key (per stage, rider and version): a file passed on to someone else is of no use.

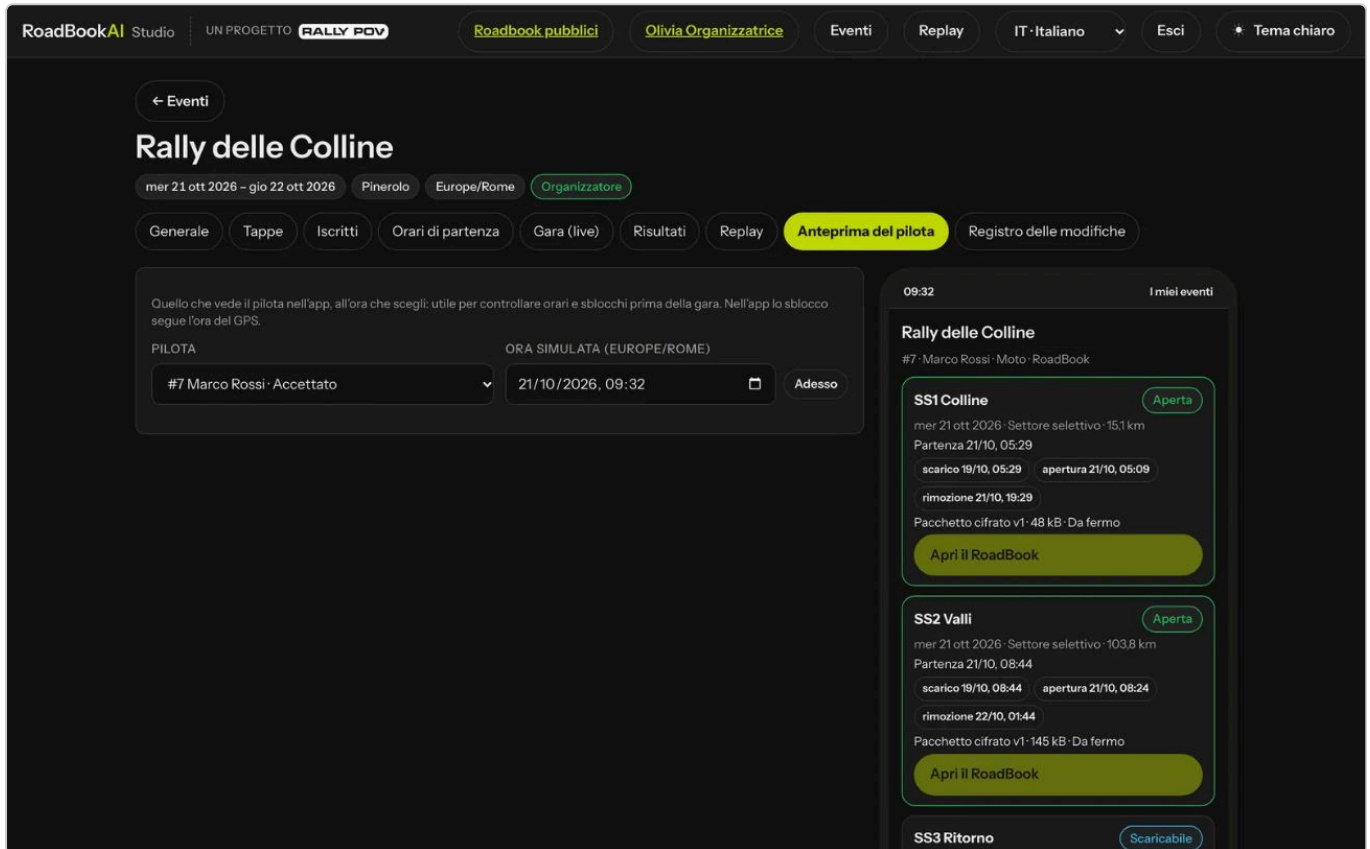
MOMENT	DEFAULT	WHAT HAPPENS ON THE PHONE
Downloadable	48 hours before the start	the package downloads by itself as soon as there is a network connection, but stays closed
Can be opened	20 minutes before the rider's start	the Open the stage button lights up, even without a network connection
Removed	12 hours after the end of the stage	package and key are deleted; the replay remains

Opening uses the **GPS time**, not the phone's time: changing the clock does not open the stage earlier. That is why, before the start, the rider keeps the phone outdoors for a few seconds. The times can be changed per event and per stage (**Own unlock times and order** in the stage window).

GPX entrants also receive the stage's **offline map**, encrypted in the same way and opening at the same time; RoadBook riders get it only if you have chosen so for the event or for the stage.

Rider preview

The **Rider preview** tab shows, for one entrant and at a simulated time, exactly what they will see in the app: stages locked with the reason, downloadable, open or closed, with their times. It is the simplest way to check start times and unlocks the evening before, without a phone in your hand.



On the left you choose rider and time; on the right the screen of that rider's app.

What the rider sees

In the app, under **My events**, the rider finds the event with their number, class and type of navigation; for each stage the status and the countdown (downloadable in, opens in, start in). The chapter [Racing with the app](#) tells their side of the story.

Organiser profiles

For the organiser and the tutor - saving your own profiles of waypoint radii and rules under a name, starting from FIM W2RC 2027 or Training, and applying them to roadbook generation, to RoadBooks already generated, to events, stages and training groups.

Every race has its habits: a slightly wider validation radius on WPMs, a different penalty for the race STOP, a Thursday training session with softer rules. Instead of entering the same values again for every stage, you save them once in a **profile** with a name and apply it wherever you need it.

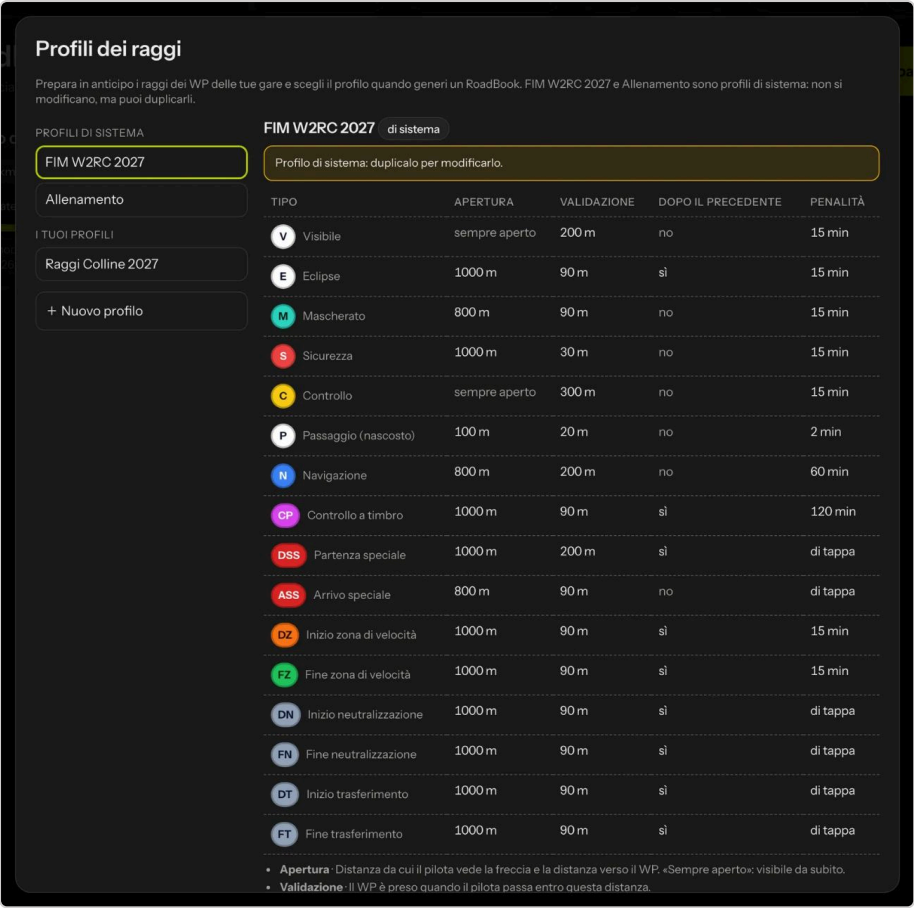
There are two kinds of profile, on the same **Profiles** page:

- **radius profiles:** for each of the 16 waypoint types the opening radius (or "always open"), the validation radius, whether it opens after the previous one and, if you wish, the penalty;
- **rules profiles:** all the stage rules (classification, penalties, speed, race STOP, neutralisations, maximum time, unlocks, LateNote, automatic scrolling, regulation mode, starting order...). A rules profile can include a radius profile.

System profiles and your own profiles

PROFILE	WHAT IT IS	CAN IT BE EDITED?
FIM W2RC 2027	the values of the W2RC regulations: radii and penalties from the waypoint table, speed bands, neutralisations, unlocks with a code, maximum time; it is the default profile for race stages	no, it is duplicated
Training	the same types with validation radii 50 % wider and no penalties; race rules are off and are switched on one by one	no, it is duplicated
Your profiles	created from one of the two, with a name of your choice ("Lamas Rally 2027", "Thursday training")	yes

System profiles always stay the same, so you have a safe reference: to change them press **Duplicate** and edit the copy. Only you can see your profiles; duplicate names, or names identical to the system profiles, are not allowed.



Radius profiles: on the left the system profiles and your own, on the right the table of the 16 types.

Where they open

- **Radius profiles:** from the Studio library (**Radius profiles**), from the *New roadbook* window (**Manage profiles**) and from the **WP radii** window in the editor.
- **Rules profiles:** from the **Stages** tab of an event (**Rules profiles**) and from the rules window (**Profiles...** next to the profile choice).

Profili delle regole

Salva nel tuo account le regole che usi spesso (per esempio "Lamas Rally 2027" o "Allenamento del giovedì"), partendo da FIM W2RC 2027 o da Allenamento, e applicale a eventi e tappe. I profili di sistema non si modificano: duplicali.

PROFILI DI SISTEMA

FIM W2RC 2027 di sistema

Profilo di sistema: duplicalo per modificarlo.

PROFILO DEI RAGGI INCLUSO

FIM W2RC 2027

Facoltativo: i raggi dei waypoint da usare con queste regole.

TIPO DI CLASSIFICA

A tempo con penalità Navigazione pulita

PENALITÀ PER WAYPOINT MANCATO (MINUTI)

WPV	15	WPE	15	WPM	15
WPS	15	WPC	15	WPP	2
WPN	60	CP	120	DSS	penalità di tappa
ASS	penalità di tappa	DZ	15	FZ	15
DN	penalità di tappa	FN	penalità di tappa	DT	penalità di tappa
FT	penalità di tappa				

PENALITÀ DI TAPPA (MINUTI)

60

PARTENZA FUORI FINESTRA (MIN)

0

Partenza fuori finestra: 0 = come il regolamento (anticipo e ritardo della partenza qui sotto); un valore = penalità fissa decisa dall'organizzatore al posto del regolamento.

☒ Un waypoint mancato si salta dopo la validazione del successivo

APERTURA FORZATA E CODICI DI SBLOCCO

Molte gare non permettono di forzare un WP. Con FIM W2RC 2027 il pilota scrive il codice dato dalla direzione gara:

Rules profiles: the included radius profile and all the rules, with the explanations.

Where they apply

- **Generating a roadbook:** in the *New roadbook* window choose the profile under **Waypoint radii and penalties**; **Radius preview** shows the table and **Edit before generating** lets you change a few values (the changed types are highlighted) for this generation only, or **Save as a new profile**. The waypoints you add later, in the Studio or from the recce, are created with those radii.
- **A RoadBook already generated:** in the editor, **WP radii** opens **Apply a radius profile**: to all types or to one type only, with a live summary ("N WPs out of M change"); with **Leave the WPs with hand-written radii as they are**, the waypoints you changed yourself stay as they are.
- **An event or a stage:** in the rules window choose the **Rules profile**; the values are copied into the stage and can still be changed one by one. If you change any, **Modified** appears next to the profile. **Event rules** gives the starting rules for new stages and can be applied to all stages.
- **A training group:** the tutor chooses the group's **Training rules** (see [Replay and tutor groups](#)).

Nuovo roadbook

TRACCIA GPX
 No file chosen

Le strade della zona arrivano in automatico dai dati della mappa.

NOME
 Es. Lamas Rally SS1

QUANTE NOTE Quale scegliere?

Essenziale
 Stile Dakar: circa 1 nota/km, eventi vicini uniti in una nota, GAP in ogni nota

Standard
 Come un roadbook disegnato a mano: circa 2 note/km (consigliata)

Dettagliata
 Ogni incrocio: circa 4 note/km

Raggi e penalità dei waypoint Gestisci i profili

FIM W2RC 2027 (gara)

Raggi di apertura e di validazione e penalità del regolamento.

Cambia i raggi solo per questo RoadBook oppure salvali come nuovo profilo del tuo account.

TIPO	APERTURA	VALIDAZIONE	DOPO IL PRECEDENTE	PENALITÀ
V Visibile	☒ sempre aperto	200 m	☐	minuti 15
E Eclipse	☐ sempre aperto 1000 m	90 m	☒	minuti 15
M Mascherato	☐ sempre aperto 800 m	90 m	☐	minuti 15
S Sicurezza	☐ sempre aperto 1000 m	30 m	☐	minuti 15
C Controllo	☒ sempre aperto	300 m	☐	minuti 15

Edit before generating: the radii for this generation, or a new profile.

Applica un profilo dei raggi

Scrivi i raggi del profilo nei WP già presenti; i WP che aggiungerai dopo nasceranno con questi raggi.

Profilo del RoadBook: FIM W2RC 2027

Profilo da applicare Gestisci i profili

FIM W2RC 2027 (gara)

A QUALI WP

Tutti i tipi Un solo tipo

☒ Lascia come sono i WP con i raggi scritti a mano
 Un WP ha i raggi scritti a mano quando apertura o validazione sono diverse da quelle del profilo del RoadBook.

Cambiano 0 WP su 8.

► Anteprima dei raggi

Annulla Applica

Apply a radius profile to a RoadBook that is already finished.

The profile stays written

The applied profile **stays written** in the stage and in the RoadBook, with its name and all its values: if you later change or delete the profile, a stage already published does not change by itself. To update it, you apply the profile to the stage again. The name of the profile travels in the stage package and appears on the

first page of the PDF, in the library and in the editor header (unless it is FIM W2RC 2027 without changes), in the rider report and in the replay: anyone looking always knows which rules the race was run under.

Stage rules

For the organiser – time-based or clean navigation classification, start and finish, waypoint penalties, unlock codes, speed, race STOP, neutralisations with exit area and GO, maximum time, retirements and the 70 % threshold, controls, opening bonus, LateNote, automatic scrolling, regulation mode, integrity and classifications.

The stage rules decide **how the results are calculated** and **how the rider's app behaves**. They travel in the stage's encrypted package and the service uses them for the official calculation. You open them from the **Stages** tab with **Race rules**; each item has its own explanation in the window.

The service is the referee

The app helps the rider navigate, but **it does not decide the results**. Waypoints taken or missed, speeding, race STOPS, neutralisations and times are **recalculated on the service** from the recorded GPS track, with the stage rules. Validations and skips pressed in the app remain as **rider actions**, useful in the replay. If you correct a rule, or race control takes a decision (see [Race, live and results](#)), the results are recalculated automatically. Simulated or inaccurate points, or points with GPS jumps, are discarded; two devices of the same rider are merged.

Anything that is not a penalty but deserves a look goes among race control's **anomalies** (in the live view and on the rider's sheet): an app that used rules different from those of the stage, automatic scrolling turned on where it is not allowed, a phone whose integrity is doubtful, a rider who started late without being on the line.

Profile and starting values

The rules start from a **Rules profile: FIM W2RC 2027** (the default for race stages), **Training** or one of [your profiles](#). The profile's values are copied into the stage; each value can be changed for the stage and, where needed, per class. If you change any, **Modified** appears.

The top part of the rules: profile, classification and waypoint penalties.

Classification type

- **Time with penalties:** the time from DSS to ASS plus penalties (FIM style). In the overall classification the stages are added together.
- **Clean navigation:** no stopwatch, a score from 0 to 1000: **500** for the waypoints taken, **250** for the rules respected (**25 points** are taken off for each infringement: speed pulse, race STOP, early exit, LateNote if you decide so), **250** for the distance ridden close to the track (within **50 m**). It is the classification suited to training and navigation tests. Weights and points are changed in the *Clean navigation* panel.

In an overall classification with stages of both types, riders are ranked by time. RoadBook and GPX are always **separate categories**.

Start and finish

- The stopwatch starts at the **DSS** and stops at the **ASS**; with **Times on the line** (FIM W2RC 2027 profile) the rolling start and the finish are taken on the line, not on entering the radius.
- **Early start:** 1 minute.
- **Stopped on the line:** a rider who was on the start line at the time of the signal and stays stopped for more than **30 s** gets **2 minutes**.
- **Late at the start:** 1 minute per minute (or fraction), but only when the timekeeper records the real start time with **Rider's delay** (GPS cannot tell a rider waiting in the queue from one who arrived late: in that case an anomaly appears).

- **Start refused** beyond **30 minutes** late (60 if the supplementary regulations say so; 0 = never): the rider is *not started*.
- **Rolling start**: start window; with **Start outside the window** at 0 the rules of the regulations apply, with a value your own fixed penalty applies.
- **Prologue**: time to a tenth of a second.

Waypoints

For each type, a penalty in minutes for a missed waypoint, or the **stage penalty** (DSS, ASS, DN, FN, DT, FT). A missed CP is worth 120 minutes. With **A missed waypoint is skipped once the next one is validated**, the app does not stay stuck on a WP the rider has not found: it marks it as missed and moves on.

Waypoint radii and penalties are those of the frozen roadbook; the FIM W2RC 2027 profile uses the table in the regulations (details in [FIM rules in brief](#)).

Forced opening and unlock codes

When a rider cannot find a waypoint, some races allow them to **force it open**: the arrow guides them, but that WP counts as missed. With **Allow forced opening of WPs** you choose:

- **FIM unlock codes (3 h / 6 h)**, in the FIM W2RC 2027 profile: race control gives the rider a **WPM code**, which makes WPMs and WPSs visible (**3 hours** of penalty for the first three uses in the event, **6 hours** from the fourth), or the **emergency code**, which makes all WPs visible (**6 hours**). The rider types it in the app; the WP opened with the code is validated by GPS;
- a **single** penalty (the normal penalty for a missed WP) or a **double** one (twice the penalty for that WP type), in your own profiles;
- off: the apps do not offer forced opening (neither from the cockpit, nor from the menu, nor from the remote) and explain why.

You find the stage's codes in **Results** with **Unlock codes** (the service generates them; each time they are viewed is recorded in the log); you can also enter your own, at least 4 characters long. Only a fingerprint of the codes travels in the stage package, never the code itself.

APERTURA FORZATA E CODICI DI SBLOCCO

Molte gare non permettono di forzare un WP. Con FIM W2RC 2027 il pilota scrive il codice dato dalla direzione gara: codice WPM 3 h per i primi tre usi dell'evento, poi 6 h; codice di emergenza 6 h. Singola o doppia: il WP aperto vale mancato.

☒ Consenti l'apertura forzata dei WP

PENALITÀ

codici di sblocco FIM (3 h / 6 h) ▼

CODICE WPM (ORE)	USI A TARIFFA RIDOTTA	CODICE WPM DOPO (ORE)	CODICE DI EMERGENZA (ORE)
3	3	6	6

VELOCITÀ (ZONE DZ-FZ, TRASFERIMENTI, CATEGORIA)

Un impulso ogni 150 m o 10 s oltre il limite; ogni impulso costa la sua fascia. Velocità di categoria (160 o 130 km/h, nella tappa o nella classe): penalità dal 2° impulso.

TOLLERANZA (KM/H)	ALLARME SOTTO IL LIMITE (KM/H)	TOLLERANZA DOPO DZ (M)	TOLLERANZA PRIMA DI FZ (M)	IMPULSO OGNI (M)
0	5	90	90	150

IMPULSO OGNI (S)	ECESSO MINIMO (S)	VALORE DELL'IMPULSO	CATEGORIA: PENALITÀ DALL'IMPULSO N°	CATEGORIA: MINUTI PER IMPULSO
10	0	eccesso al momento ▼	2	1

☒ Penalità di velocità attive (spente: impulsi solo registrati)

☐ Un impulso in più per l'ultimo tratto dell'eccesso

☒ Il limite generale vale su tutta la tappa (anche fuori DSS-ASS)

Fasce di penalità per impulso: eccesso in km/h interi oltre il limite. Con la progressione la 1ª, 2ª, 3ª... infrazione della tappa nella fascia costa il valore corrispondente (l'ultimo si ripete).

oltre (km/h)	minuti per impulso	progressione (minuti)
0	0,167	5, 10, 15

Togli

Forced opening and unlock codes, then the speed rules.

Speed

In **DZ-FZ** zones, in liaisons and with the general speed limit of the stage or class:

- the app gives the **alarm 5 km/h below the limit** (you decide the margin, and in regulation mode the rider cannot change it);
- there are **90 m of tolerance** after the DZ and before the FZ;
- speeding is counted in **pulses**, one every **150 m** or **10 seconds** over the limit; the value of the pulse is the excess at that moment.

Each pulse costs according to the **band** of the excess. With the FIM W2RC 2027 profile:

EXCESS OVER THE LIMIT	PENALTY PER PULSE
1-5 km/h	10 s
6-15 km/h	1 min
16-40 km/h	2 min
over 40 km/h	6 min

The bands are changed in the table (+ **Band**, **Remove**); **Reset as the regulations** brings back the values above, **As the manual** uses the progression of 5, 10 and 15 minutes for the first, second and third infringement over 40 km/h. With **Speed penalties active** off, pulses are only recorded. The **category speed**

per class (for example 160 or 130 km/h) costs 1 minute per pulse from the second pulse; the liaison limit applies over the whole stage.

VELOCITÀ (ZONE DZ-FZ, TRASFERIMENTI, CATEGORIA)

Un impulso ogni 150 m o 10 s oltre il limite; ogni impulso costa la sua fascia. Velocità di categoria (160 o 130 km/h, nella tappa o nella classe): penalità dal 2° impulso.

TOLLERANZA (KM/H)

0

ALLARME SOTTO IL LIMITE (KM/H)

5

TOLLERANZA DOPO DZ (M)

90

TOLLERANZA PRIMA DI FZ (M)

90

IMPULSO OGNI (M)

150

IMPULSO OGNI (S)

10

ECESSO MINIMO (S)

0

VALORE DELL'IMPULSO

eccesso al momentc

CATEGORIA: PENALITÀ DALL'IMPULSO N°

2

CATEGORIA: MINUTI PER IMPULSO

1

☒ Penalità di velocità attive (spente: impulsi solo registrati)

☐ Un impulso in più per l'ultimo tratto dell'eccesso

☒ Il limite generale vale su tutta la tappa (anche fuori DSS-ASS)

Fasce di penalità per impulso: eccesso in km/h interi oltre il limite. Con la progressione la 1°, 2°, 3°... infrazione della tappa nella fascia costa il valore corrispondente (l'ultimo si ripete).

oltre (km/h)	minuti per impulso	progressione (minuti)	
0	0,167	5; 10; 15	Togli
5	1	5; 10; 15	Togli
15	2	5; 10; 15	Togli
40	6	5; 10; 15	Togli

+ Fascia

Ripristina come il regolamento (10 s / 1' / 2' / 6')

Come il manuale (oltre 40: 5' / 10' / 15')

STOP DI GARA

Fermata obbligatoria verificata dal GPS sulle note con l'icona STOP di gara.

☒ Controlla gli STOP di gara del roadbook (il cartello STOP è solo informativo)

☒ Penalità degli STOP attive

Speed bands and race STOP.

Race STOP

The roadbook's **STOP** sign is for information only. The **race STOP** (red disc with the stopwatch) is a compulsory stop with the duration written in the note: the service checks that the rider stays below 2 km/h inside the radius for that duration. Initial values: **30 m radius**, **3 s stop** if the note says nothing else, **3 minute penalty**.

Neutralisations and liaisons

Between **DN** and **FN** time is neutralised: the **scheduled duration** (written in the roadbook) is taken off, from the validation of the DN. In the app the rider sees:

1. from the DN, a **large green countdown** with "NEUTRALISATION";
2. the **exit area** is the validation radius of the FN: riders may enter it only in the **last 60 seconds** (with the FIM W2RC 2027 profile; the value can be changed). Inside the area: "STOP — wait for the marshals". If they enter earlier, a yellow notice says "Too early: wait outside the exit area";
3. at zero, a large green **GO** with sound and vibration;
4. if they leave the area before zero, the countdown turns **red** with "EARLY EXIT".

With the FIM W2RC 2027 profile an early exit costs **1, 2 and then 5 minutes** (progression 1; 2; 5) counted **over the whole event; The time gained is added to the special stage time**. Alternatively you can choose a fixed penalty without progression. Riders who set off after zero carry on with their own time: waiting beyond zero counts in the stage.

Between **DT** and **FT** there is a liaison: with **Liaison with imposed time** the time imposed from the DT applies, with lateness and early arrival treated as in a neutralisation; the liaison speed limit applies over the whole section.

NEUTRALIZZAZIONI (DN-FN) E TRASFERIMENTI (DT-FT)

Si esclude la durata programmata dalla validazione della DN. Nell'area di uscita (raggio della FN) si entra solo negli ultimi secondi indicati. Uscire prima dello zero costa la penalità (con la progressione: 1', 2', 5' sull'intero evento) e l'anticipo si aggiunge al tempo.

☐ Il tempo di neutralizzazione entra nel totale

☒ Penalità di uscita anticipata attiva

☒ L'anticipo si aggiunge al tempo della prova

☒ Uscite anticipate contate su tutto l'evento

AREA DI USCITA: ULTIMI SECONDI	PROGRESSIONE (MINUTI)	SENZA PROGRESSIONE: MINUTI FISSI	SCAGLIONI: MINUTI	SCAGLIONI: OGNI (S D'ANTICIPO)
60	1; 2; 5	1	0	30

☒ Il tempo fra DT e FT è escluso dal totale

☒ Trasferimento a tempo imposto (come la neutralizzazione)

PARTENZA E ARRIVO

Come il regolamento (Art. 151, 21): partito prima del segnale 1'; fermo sulla linea più di 30 s dopo il segnale 2'; ritardo del pilota al via 1' per minuto o frazione (da fermo: ora del cronometrista con la spunta "ritardo del pilota"; lanciata: minuti oltre la finestra); oltre il ritardo massimo la partenza è rifiutata e il pilota risulta non partito. I tempi di partenza lanciata e d'arrivo sono presi sulla linea, non all'ingresso nel raggio.

PARTENZA ANTICIPATA (MINUTI)	FERMA SULLA LINEA OLTRE (S)	FERMA SULLA LINEA: PENALITÀ (MINUTI)	RITARDO AL VIA: MINUTI PER MINUTO	PARTENZA RIFIUTATA OLTRE (MINUTI, 0 = MAI)
1	30	2	1	30

☒ Tempi sulla linea

TEMPO MASSIMO, RITIRI E NON PARTITI

Come il regolamento: fuori tempo = tempo massimo + penalità fissa (FP); ritirato (anche sotto il 70 % dei WP o fermato a un cancello chiuso) = tempo massimo + 3 h + penalità di tappa; non partito (anche partenza rifiutata) = tempo massimo + 6 h + penalità di tappa; sempre più i WP non validati. Prologo: tempo massimo + FP + WP non validati.

TIPO	PENALITÀ FISSA FP (ORE)	RITIRATO: ORE IN PIÙ	NON PARTITO: ORE IN PIÙ
Come il regolamento	1	3	6

Neutralisations and liaisons, start and finish.

Maximum time, retirements and abandons

With **Type: As the regulations** (FIM W2RC 2027 profile):

- riders who exceed the **maximum time** get the maximum time plus the **fixed penalty FP**;
- a rider who has **retired** (including below 70 % of the WPs or stopped at a closed gate) gets the maximum time plus **3 hours** and the stage penalty; one who **did not start** (including a refused start) gets the maximum time plus **6 hours** and the stage penalty; in every case the value of the waypoints not validated is added;
- at the **prologue**: non-starters and retirements get maximum time + FP + WPs not validated.

The **FP** is entered **in hours**: the W2RC regulations leave it to the event's **supplementary regulations**; 1 hour is only the starting value. The 30-minute FP for a lost tablet is given by hand.

Retiring from the app (two confirmations) ends navigation: the remaining waypoints count as missed. With **Threshold active**, riders who validate **fewer than 70 % of the waypoints** of the selective section have **abandoned**: they are classified as retired, with the nominal time above (the stage penalty is not counted twice). The nominal time for non-starters is assigned only after the stage is closed.

Maximum time, retirements and non-starters; threshold of validated WPs; controls.

Controls: CPs, gates and time controls

- **CP zone**: a limit (40 km/h) within a radius (90 m) around the CPs; **virtual CPs** require a complete stop.
- **CP gates** (closed gate): a **time of day** for each CP; riders who arrive later are stopped, are classified as retired and the WPs after the CP count as missed.
- **Time controls (CH)**: each one on a WP of the RoadBook, with the imposed time and the reference; lateness costs 1 minute per minute, arriving early at departure CHs is an anomaly (the penalty is set by the supplementary regulations), beyond the maximum the start is refused. In the rider's detail you see the ideal time and the stamp of each CH.
- **Sensitive zones**: sections where leaving the track beyond a given distance is an infringement.

Opening bonus

The W2RC regulations reward the riders who open the track: some **bonus WPs** are marked in the RoadBook (invisible to the riders, every 10–30 km); the first rider to validate one (and anyone who validates it within **15 s**) gains **0.5 s per km** from the previous bonus WP (1 s for marathon stages or stages with more than 60 % dunes), excluding the **last 10 km** of the section and only for the **classes** indicated. A rider who leaves a neutralisation early does not get the bonus of the following WP.

BONUS APRIPISTA

Art. 119: segna i WP bonus (invisibili ai piloti, ogni 10–30 km); il DSS è il primo. Chi valida per primo un WP bonus (e chi lo valida entro pochi secondi) guadagna i secondi per km dal WP bonus precedente; niente bonus negli ultimi km del settore né dopo un'uscita anticipata da una neutralizzazione.

☒ Bonus attivo

SECONDI PER KM EX AEQUO ENTRO (S) ESCLUSI GLI ULTIMI (KM)

0,5 15 10

WP BONUS

Segna i WP dove si calcola il bonus (numeri dei WP del RoadBook).

☐ WPV 2 - 2,1 km ☐ WPM 3 - 4,8 km ☐ DZ 4 - 6,5 km ☐ FZ 5 - 9 km ☐ WPS 6 - 11,9 km ☐ WPE 7 - 13,3 km

Nessun WP bonus segnato: niente bonus apripista.

CLASSI CON IL BONUS (VUOTO = TUTTE; IL REGOLAMENTO: RALLYGP, RALLY2, QUAD)

LATENOTE: ROADBOOK RIMASTO INDIETRO

Sicurezza ed equità: chi segue un altro pilota o le tracce invece di leggere il RoadBook non legge le note dei pericoli proprio dove passa, una delle cause più comuni di incidenti. L'app conta gli episodi in cui la nota mostrata resta indietro rispetto a dove è il pilota. In gara non mostra nulla e registra soltanto; in allenamento avvisa "GUARDA IL ROADBOOK!". La penalità è una regola dell'organizzatore (il regolamento FIM non la prevede): spiegala nel briefing.

☒ Misura attiva

☐ Avviso sullo schermo (solo allenamento)

NOTE DI RITARDO (SOGLIA) PER ALMENO (S) PENALITÀ PER EPISODIO (S, 0 = SOLO REGISTRATO) EPISODI SENZA PENALITÀ

3 5 0 0

☒ Non si conta nelle neutralizzazioni

☒ Infrazione nella navigazione pulita

SCORRIMENTO AUTOMATICO DEL ROADBOOK

Se non è consentito, le app lo spengono e bloccano la preferenza: il pilota fa avanzare il RoadBook solo a mano (tasti, telecomando, dito). Un'app che lo accende lo stesso compare fra le anomalie.

Opening bonus, LateNote and automatic scrolling of the RoadBook.

Automatic scrolling of the RoadBook

In the app the RoadBook can follow the position by itself (**automatic scrolling**) or move forward only by hand, with NOTE+, the remote or your finger.

- With the **FIM W2RC 2027** profile automatic scrolling is **always off** and cannot be turned on: the regulations require the rider to move the RoadBook forward by hand ("W2RC regulations: the RoadBook is moved forward by hand").
- With the **Training** profile and in your own profiles without regulation mode it is **allowed by default**; you can **turn it off** (for the event, the stage or the profile). The tutor can do the same for their group.

When it is not allowed, the app turns it off and locks the setting with the reason, does not bring the RoadBook back to the active note after a manual scroll and never moves it by itself at any other moment; an app that turns it on anyway appears among the anomalies. Training without automatic scrolling is the best way to get used to reading the notes: it is the same habit that LateNote measures.

LateNote: the RoadBook left behind

In rally raids it happens that you follow another rider or the tracks on the ground instead of reading the RoadBook. The RoadBook falls behind and the rider does not read the danger notes exactly where they pass: a danger 3, a jump, a step, a STOP. It is one of the most common causes of accidents. What is more, a rider who follows exploits someone else's navigation: measuring it makes the race fairer.

LateNote measures it. The app compares the note at the top of the RoadBook with the last note the rider has actually passed (their position on the track, not the odometer): if it is more than **3 notes** behind for at least **5 seconds**, a **LateNote episode** begins, which ends when the RoadBook catches up again. It is not measured with automatic scrolling on (where allowed), in Rally GPS mode, when the rider is off course and, if you decide so, in neutralisations.

In the **LateNote** panel you choose:

ITEM	RACE DEFAULT	WHAT IT DECIDES
Measurement active	yes	whether episodes are recorded
On-screen warning (training only)	no	in a race it always stays off
Notes behind (threshold)	3	how many notes the RoadBook can fall behind
For at least (s)	5	for how long, before it counts as an episode
Penalty per episode	0	the seconds of penalty for each episode (0 = recorded only)
Episodes without penalty	0	how many episodes per stage are not penalised
Not counted in neutralisations	yes	
Offence in clean navigation	yes	each episode takes off points like the other infringements

In a **race** the rider **sees nothing on the screen**: the app only records, and the episodes appear in the LateNote column of the results, on the rider's sheet, in the replay and in the report. In **training**, on the other hand, the screen warns "CHECK THE ROADBOOK!" (see [Training and replay](#)).

The FIM regulations do not provide for a LateNote penalty: it is your own rule, part of the **supplementary regulations**. Write it in the regulations and explain it at the **briefing**, with the reason why: it is above all a matter of safety.

Regulation mode in the apps

With the FIM W2RC 2027 profile (or with **Regulation mode in the apps: Active**), during a race stage the apps apply the choices of the regulations, with no other navigation aids:

- the RoadBook is moved forward by hand (no automatic scrolling);
- no coordinates or remaining km on the screen;
- no map with the track, unless you choose **Map with the track for the RoadBook rider also in regulation mode**;
- no free forced opening of waypoints (unlock codes apply);
- odometer recalibration on WP validation always on;
- speed alarm at your margin (5 km/h below the limit) and danger 2 and 3 sounds always on.

The settings the rider cannot change appear in the app **locked with the reason**; at the end of the stage the rider's own settings come back.

Integrity of race data

With **Signed batches required** every batch of data sent by the app is signed by the phone; with **Only the main device counts** the rider's main phone is the one that counts for the race (the backup one counts if the main one is lost). The **maximum time gap** between phone and GPS, unsigned batches and phones with root, jailbreak or a debugger go among the anomalies.

LATENOTE: ROADBOOK RIMASTO INDIETRO

Sicurezza ed equità: chi segue un altro pilota o le tracce invece di leggere il RoadBook non legge le note dei pericoli proprio dove passa, una delle cause più comuni di incidenti. L'app conta gli episodi in cui la nota mostrata resta indietro rispetto a dove è il pilota. In gara non mostra nulla e registra soltanto; in allenamento avvisa "GUARDA IL ROADBOOK!". La penalità è una regola dell'organizzatore (il regolamento FIM non la prevede); spiegala nel briefing.

☒ Misura attiva

☐ Avviso sullo schermo (solo allenamento)

NOTE DI RITARDO (SOGLIA)	PER ALMENO (S)	PENALITÀ PER EPISODIO (S, 0 = SOLO REGISTRATO)	EPISODI SENZA PENALITÀ
3	5	0	0

☒ Non si conta nelle neutralizzazioni

☒ Infrazione nella navigazione pulita

SCORRIMENTO AUTOMATICO DEL ROADBOOK

Se non è consentito, le app lo spengono e bloccano la preferenza: il pilota fa avanzare il RoadBook solo a mano (tasti, telecomando, dito). Un'app che lo accende lo stesso compare fra le anomalie.

☐ Scorrimento automatico consentito

Regolamento W2RC: il RoadBook si fa avanzare a mano

MODALITÀ REGOLAMENTARE NELLE APP

Impone alle app in gara le scelte del regolamento: niente aiuti alla navigazione oltre quelli previsti.

☒ Attiva

☐ Mappa con la traccia al pilota RoadBook anche in modalità regolamentare

INTEGRITÀ DEI DATI DI GARA

Lotti firmati dall'app, un dispositivo principale per pilota, scarto fra l'ora del telefono e quella del GPS: le anomalie vanno alla direzione gara.

☒ Lotti firmati richiesti

☒ Conta solo il dispositivo principale

SCARTO MASSIMO DELL'ORA (S)

0

LateNote, automatic scrolling, regulation mode in the apps and integrity of race data.

Starting order and classifications

The **Starting order** panel holds the generator's values (mode, intervals, riders together, breaks, prologue categories), which you use from the Start times tab (see [Entrants, start times and unlocking](#)).

In the **Standings** panel: **Protests within (minutes)** (30 minutes) is the time between posting the provisional classification and the final one; **Prologue to the tenth of a second**.

Off-course alarm

If a rider takes a wrong turn and moves away, after the chosen km ridden off course (default **1 km** beyond **150 m** from the track) the app flashes **OFF COURSE**; with **back-track** allowed the rider can open an arrow that takes them back, along their own trail, to the last validated waypoint or to the point where they left the track. It is chosen per event (Replay tab), per stage and per class; it is on by default in clean navigation and in training, off in timed stages.

Race control alarms

In the live view race control sees an alarm when a rider has been **stopped for more than 10 minutes** outside a neutralisation, is **off course by more than 200 m**, has had **no signal for 15 minutes** or is going the **wrong way** for more than 300 m. The thresholds are changed here.

The screenshot shows the 'CLASSIFICHE' (Classifications) settings screen. It includes a note about provisional classifications and a 'RECLAMI ENTRO (MINUTI)' (Protests within minutes) field set to 30. There is a checkbox for 'Prologo al decimo di secondo' (Prologue at the tenth of a second). The 'NAVIGAZIONE PULITA (PUNTEGGIO)' (Clean navigation (score)) section explains the scoring system from 0 to 1000. Below this are five input fields for 'PESO DEI WP' (500), 'PESO DELLE REGOLE' (250), 'PESO DELLA TRACCIA' (250), 'PUNTI PER INFRAZIONE' (25), and 'VICINO ALLA TRACCIA ENTRO (M)' (50). The 'ALLARME FUORI TRACCIA' (Off-track alarm) section contains a descriptive note and four settings: 'ALLARME' (set to 'Come l'evento (no)'), 'DOPO KM FUORI TRACCIA' (1), 'FUORI OLTRE (M)' (150), and 'BACK-TRACK' (set to 'Come l'evento (si)'). Each setting has a brief description below it. At the bottom, the 'ALLARMI DELLA DIREZIONE GARA' (Race direction alarms) section has four fields: 'FERMO DA (MINUTI)' (10), 'FUORI TRACCIA OLTRE (M)' (200), 'SENZA SEGNALE DA (MINUTI)' (15), and 'CONTROMANO OLTRE (M)' (300).

CLASSIFICHE

La classifica provvisoria si affigge e diventa definitiva dopo la scadenza dei reclami; il prologo si cronometra al decimo di secondo.

RECLAMI ENTRO (MINUTI)

30

☒ Prologo al decimo di secondo

NAVIGAZIONE PULITA (PUNTEGGIO)

Punteggio da 0 a 1000 senza cronometro; WP presi sul totale, meno i punti per ogni infrazione (impulsi di velocità, STOP, uscite anticipate dalla DN), più la quota di strada fatta vicino alla traccia.

PESO DEI WP 500 PESO DELLE REGOLE 250 PESO DELLA TRACCIA 250 PUNTI PER INFRAZIONE 25 VICINO ALLA TRACCIA ENTRO (M) 50

ALLARME FUORI TRACCIA

Se il pilota sbaglia un bivio e si allontana dalla traccia, dopo i km scelti percorsi fuori traccia l'app lampeggia "FUORI TRACCIA"; con il back-track il pilota apre una freccia che lo riporta, ripercorrendo all'indietro la sua stessa traccia, all'ultimo WP validato.

ALLARME DOPO KM FUORI TRACCIA FUORI OLTRE (M) BACK-TRACK

Come l'evento (no) 1 150 Come l'evento (si)

strada fatta fuori traccia prima dell'allarme distanza dalla traccia corretta freccia verso l'ultimo WP validato

Vale: spento

ALLARMI DELLA DIREZIONE GARA

FERMO DA (MINUTI) FUORI TRACCIA OLTRE (M) SENZA SEGNALE DA (MINUTI) CONTROMANO OLTRE (M)

10 200 15 300

The bottom part of the rules.

Rider report

Whether the rider can download their **PDF report** is decided in the event's **Replay** tab, under **Rider report**: **Riders can download their report** *No* (default), *Once the stage is closed* or *With the final classification*, with a **Rule per stage** if a stage is an exception. Each rider sees only their own; you and your team can always download them, once the stage is closed.

The printed RoadBook

The stage PDF opens with a **first page** summarising the rules of the day: the table of waypoint radii and penalties of the profile used and the **list of waypoints** with number, type and km (with the coordinates of WPVs and WPSs; WPPs and the other hidden WPs appear only here). The waypoint symbols have the colours of the FIM table; a danger 3 stays marked until the linked waypoint is a WPS, and when you publish a stage with the FIM profile the Studio reminds you of it.

Rules by class

In the stage's **Classes** window each class can have its own start, time, window, maximum time, speed limit, category speed, counting in the overall classification and off-course alarm. For example: cars start one hour after the bikes, with a limit of 90 km/h.

● ORGANISING AN EVENT

Race, live and results

For the organiser and race control – the live map with rider status and alarms, stage and overall results calculated by the service, provisional and final, manual corrections and decisions for everyone with their log, unlock codes, the rider report and the public pages.

During the stage the apps send their **position** every 10–30 seconds when there is a network connection, and the **full track** in batches every two minutes (and in any case at the end of the stage: without a network the data waits on the phone and is sent automatically as soon as the connection is back). The service recalculates results and penalties from this data with the stage rules.

Race (live)

The **Race (live)** tab opens one hour before the first start. Choose the stage: on the left the map with the roadbook track and the position of each rider, on the right the list with number, name, class, navigation (RoadBook or GPX), km ridden, speed, last waypoint and time of the last data.

The screenshot shows the RoadBookAI Studio interface for the 'Rally delle Colline' event. The top navigation bar includes 'RoadBookAI Studio', 'UN PROGETTO RALLY POV', 'Roadbook pubblici', 'Olivia Organizzatrice', 'Eventi', 'Replay', 'IT - Italiano', 'Esci', and 'Tema chiaro'. The main header shows '← Eventi' and 'Rally delle Colline' with dates 'mer 21 ott 2026 - gio 22 ott 2026' and location 'Pinerolo, Europe/Rome'. Below this are tabs for 'Generale', 'Tappe', 'Iscritti', 'Orari di partenza', 'Gara (live)', 'Risultati', 'Replay', 'Anteprima del pilota', and 'Registro delle modifiche'. The 'Gara (live)' tab is selected. Below the tabs are filters for 'SS1 Colline', 'SS2 Valli', and 'SS3 Ritorno'. A status bar shows 'In gara 1', 'Fermo 1', 'Fuori traccia 1', 'Arrivato 0', 'Ritirato 0', 'Non partito 1', 'Squalificato 0', and 'allarmi: 6' (highlighted in red). The map on the left shows the race route with rider positions marked by colored circles. The list on the right shows rider details:

Number	Name	Class	Status	km	Speed	Waypoint	Time
7	Marco Rossi	Moto - RoadBook	In gara	46.5 di 103.8	62 km/h	WP 3/8 → 4 DZ	09:29
12	Luca Bianchi	Moto - GPX	Fermo	22.0 di 103.8	0 km/h	WP 2/8 → 3 WPM	09:29
21	Anna Verdi	Auto - RoadBook	Fuori traccia	39.1 di 103.8	58 km/h	WP 2/8 → 3 WPM	09:29
99	Tina Tester	Moto - RoadBook	Non partito			WP 0/8 → 1 DSS	

Alarms sit at the top of the list, highlighted in red.

The statuses are **Did not start**, **Racing**, **Stopped**, **Off course**, **Finished**, **Retired**, **Disqualified**. At the top are the counters by status and the race control **alarms**: a rider stopped for a long time outside a neutralisation, off course beyond the threshold, without a signal for too long. With **Refresh every 10 s** the page stays live; the class filter helps when there are many riders.

Results

The **Results** tab has the **overall classification** and the classification of each stage, by class and by type (RoadBook and GPX are separate categories).

RoadBookAI StudioUN PROGETTO RALLY POVRoadbook pubbliciOlivia OrganizzatriceEventiReplayIT - ItalianoEsciTema chiaro

← Eventi

Rally delle Colline

mer 21 ott 2026 – gio 22 ott 2026PineroloEurope/RomeOrganizzatore

GeneraleTappeIscrittiOrari di partenzaGara (live)RisultatiReplayAnteprima del pilotaRegistro delle modifiche

Classifica generaleSS1 CollineSS2 ValliSS3 Ritorno

Tutte le classiRoadBook e GPX

Classifica generaleA tempo con penalità · aggiornato alle 21/10, 09:33:04

CSVPDFRicalcola

POS.	N°	PILOTA	CLASSE	STATO	SS1 COLLINE	SS2 VALLI	SS3 RITORNO	PENALITÀ	BONUS	TOTALE	DISTACCO
7		Marco Rossi	Moto RoadBook	In gara	0:19:25 1°	—	—			—	
12		Luca Bianchi	Moto GPX	In gara	0:23:30 2°	—	—	0:05:00		—	
21		Anna Verdi	Auto RoadBook	In gara	0:47:13 3°	—	—	0:33:00	0:03:00	—	

Pubblicazione

Pagine sul sito nelle cinque lingue: solo nome (o iniziati), numero, classe e team; i tester non compaiono.

☒ Risultati pubblici☒ Mappa live pubblica

RITARDO DELLA MAPPA PUBBLICA (MIN)

10

Il live si apre il 21/10, 04:29 (un'ora prima della prima partenza).

Registro delle correzioni

Ogni correzione ha autore, ora e motivo; annullarla la lascia nel registro.

SS1 Colline · WP neutralizzato · WP 7 per tutti — WP scritto fuori posto nel RoadBook direttore@prova.local · 21/10, 09:29:29

SS1 Colline · 12 Luca Bianchi · Penalità modificata · 0:05:00 · wp:wp_6db163fbfee — WP poco visibile dopo le piogge: penalità ridotta direttore@prova.local · 21/10, 09:29:29

SS1 Colline · 21 Anna Verdi · Bonus · 0:03:00 — si è fermata a soccorrere il pilota 12 direttore@prova.local · 21/10, 09:29:29

The overall classification, with the public pages and the corrections log.

The stage classification shows for each rider status, time, penalties, bonus, total, gap, missed WPs, speed pulses, **LateNote** episodes and whether the run was **checked by the marshal**. Testers are at the bottom, excluded from the classification.

Provisional and final

Every stage classification starts out **provisional**. **Post the provisional standings** fixes the time of posting and opens the time for protests (**Protests until...**, 30 minutes by default in the rules); when the time is up, **Make final**. With the final classification the report opens to the riders, if you have chosen *With the final classification*. A decision taken afterwards recalculates it: always check the status next to the stage name.

RoadBookAI Studio
UN PROGETTO
RALLY POV
Roadbook pubblici
Olivia Organizzatrice
Eventi
Replay
IT - Italiano
Esci
Tema chiaro

← Eventi

Rally delle Colline

mer 21 ott 2026 - gio 22 ott 2026
Pinerolo
Europe/Rome
Organizzatore

Generale
Tappe
Iscritti
Orari di partenza
Gara (live)
Risultati
Replay
Anteprima del pilota
Registro delle modifiche

Classifica generale
SS1 Colline
SS2 Valli
SS3 Ritorno

Tutte le classi
RoadBook e GPX

SS1 Colline
A tempo con penalità - aggiornato alle 21/10, 09:33:11
Provvisorio - Reclami fino alle 21/10, 09:59:29
Affiggi la provvisoria
Rendi definitiva
Codici di sblocco

CSV
PDF
Report PDF della tappa
Ricalcola

POS.	N°	PILOTA	CLASSE	STATO	TEMPO	PENALITÀ	BONUS	TOTALE	DISTACCO	WP MANCATI	IMPULSI	LATENOTE	CONTROLLATA
1	7	Marco Rossi	Moto RoadBook	Arrivato	0:19:25			0:19:25					✓
2	12	Luca Bianchi	Moto GPX	Arrivato	0:18:30	0:05:00		0:23:30	+0:04:05		1		
3	21	Anna Verdi	Auto RoadBook	Arrivato	0:17:13	0:33:00	0:03:00	0:47:13	+0:27:48			15	

► Tester (esclusi dalla classifica): 1

Decisionsi per tutti

Valgono per tutti i piloti della tappa (o di una classe): WP sbagliato nel RoadBook neutralizzato, zona di velocità annullata, tempo imposto per un settore interrotto, penalità o bonus per tutti. Restano nel registro e si possono annullare.

CORREZIONE
NUMERO DEL WP
CLASSE

WP neutralizzat
Tutte le classi

Applica la correzione

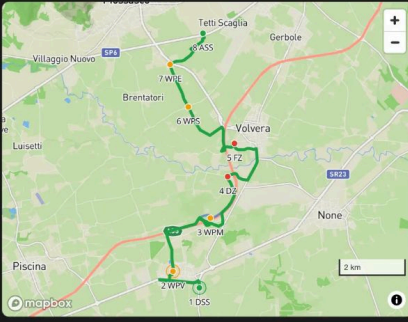
The stage classification: click a rider for the details.

A rider's **details** (one click on the row) explain everything: assigned time, start and finish, time, penalties and bonus, the GPS points and the devices they come from, the map of the track, every penalty calculated by the system (the missed WP with the distance at which they passed, the speeding episode with the limit, the peak and the pulses, the race STOP, the early exit), the waypoints one by one, the stops, the **anomalies** and the rider's **actions** in the app. From here **Open the replay** takes you to the same moment in the replay and **PDF report** downloads the rider report (once the stage is closed).

12· Luca Bianchi · SS1 Colline

Arrivato Moto-GPX 1102 punti GPS da 2 dispositivi · 16,26 km **12 salti del GPS scartati**

Orario assegnato 21/10, 05:31	Partenza (calcolata) 21/10, 05:31	Arrivo (ASS) 21/10, 05:49:30	Tempo lordo 0:18:30	Neutralizzato 0:00:00	Tempo 0:18:30
Penalità 0:05:00	Bonus 0:00:00	Totale 0:23:30	Punteggio 913.3 (437.5 + 250 + 225.8)		



Traccia del pilota: verde normale, arancione sopra il limite in tolleranza, rosso penalità, viola lento o fermo. Blu: traccia del roadbook.

PENALITÀ CALCOLATE DAL SISTEMA

WPM 3 mancato
Decisione della direzione gara: 0:05:00 al posto di 0:15:00 — WP poco visibile dopo le piogge: penalità ridotta (direttore@prova.local)

0:15:00 **0:05:00** Mappa Modifica Annulla

WAYPOINT

1 DSS ✓ 2 WPM ✓ 3 WPM ✗ 4 DZ ✓ 5 FZ ✓
6 WPS ✓ 7 WPE 0% 8 ASS ✓

Tempo rilevato a mano

STOP

km 10.4 ✓ sosta 7 s

ANOMALIE PER LA DIREZIONE GARA

Lotti senza firma: 10

AZIONI DEL PILOTA (NON DECIDONO)

WP forzati 0, salti a mano 0, validazioni a mano 0, correzioni dell'odometro 0.

CORREZIONI DEL DIRETTORE DI GARA

CORREZIONE	MINUTI	SECONDI
Penalità	1	0

MOTIVO (OBBLIGATORIO, RESTA NEL REGISTRO)

Applica la correzione

Partenza registrata al DSS (EUROPE/ROME)

Ritardo del pilota (1° per minuto)

REGISTRO DELLE CORREZIONI

Penalità modificata: 0:05:00 - wp:wp.6db163fbfee — WP poco visibile dopo le piogge: penalità ridotta direttore@prova.local - 21/10, 09:29:29

Annulla

A rider's details: the calculated penalty struck through and the one decided, with the reason.

CSV and **PDF** export the classification you are looking at, **Stage PDF report** all the rider reports in a single file; **Recalculate** runs the calculation again (it happens automatically anyway when new data arrives or when rules, versions, start times or decisions change). **Unlock codes** shows the stage's WPM and emergency codes, to be given only to the rider who asks for them: each use costs the penalty in the regulations.

Race control decisions

The service's calculation is the starting point; **race control** has the last word. Every decision has a **compulsory reason**, stays in the **Corrections log** with who, when and why, can be **cancelled** (with a reason, and the cancellation stays in the log too) and recalculates the classification straight away. The rider sees it in their replay and in the report as a "race control decision", with the calculated value and the decided one (not who took it).

For one rider

In the rider's details, the clerk of the course (and the organiser) can:

- **Edit** a calculated penalty: they enter the minutes decided (0 included); the calculated penalty stays visible, struck through, next to the decided one;
- **Cancel** a penalty;
- on a waypoint, **Mark as validated** or **Mark as missed**: the decision prevails over the GPS (the CP stamp, the marshal, a faulty GPS) and the WP penalties are recalculated;
- **Manually timed passage**: the timekeepers' time at DSS, ASS, CP or CH prevails over the GPS time;

- give a **penalty** or a **bonus** (for example "stopped to help rider 12");
- mark the run as **checked by the marshal**;
- **Record the start** at the DSS with the real time and, if the delay is the rider's fault, tick **Rider's delay** (1 minute per minute; beyond the maximum the start is refused);
- **Cut points**: remove wrong GPS points (only that point, everything before, everything after), from the replay;
- **Initials only on public pages**, if the rider asks for it.

The timekeeper can record only times and starts.

For everyone

The **Decisions for everyone** panel applies to all the riders of the stage, or of a class:

- **WP neutralised**: a wrong waypoint in the RoadBook costs nobody anything and is left out of the 70 % count;
- **Speed zone cancelled**: no limit and no pulses in that DZ;
- **Imposed time** for an interrupted section (for everyone or only for those who did not finish);
- **Penalty for everyone** or **Bonus for everyone**.

The screenshot displays the RoadBookAI interface with three main sections:

- Rider Results Table:**

Pos	Rider	Category	Status	Time	Delay	Score	Points
1	7 Marco Rossi	Moto RoadBook	Arrivato	0:19:25	0:19:25		
2	12 Luca Bianchi	Moto GPX	Arrivato	0:18:30	0:05:00	0:23:30	+0:04:05 1
3	21 Anna Verdi	Auto RoadBook	Arrivato	0:17:13	0:33:00 0:03:00	0:47:13	+0:27:48 15
- Decisions for everyone:**

Valgono per tutti i piloti della tappa (o di una classe): WP sbagliato nel RoadBook neutralizzato, zona di velocità annullata, tempo imposto per un settore interrotto, penalità o bonus per tutti. Restano nel registro e si possono annullare.

CORREZIONE: WP neutralizzat | NUMERO DEL WP: | CLASSE: Tutte le classi | [Applica la correzione](#)

WP neutralizzato · WP 7 · Tutte le classi — WP scritto fuori posto nel RoadBook: direttore@prova.local · 21/10, 09:29:29 | [Annulla](#)
- Publication and Corrections Log:**

Pubblicazione: Pages on the site in five languages: only name (or initials), number, class and team; i tester non compaiono.

☒ Risultati pubblici
☒ Mappa live pubblica

RITARDO DELLA MAPPA PUBBLICA (MIN): 10

Il live si apre il 21/10, 04:29 (un'ora prima della prima partenza).
[Pagina pubblica dei risultati](#) [Pagina live pubblica](#)

Registro delle correzioni: Ogni correzione ha autore, ora e motivo; annullarla la lascia nel registro.

 - SS1 Colline · WP neutralizzato · WP 7 · per tutti — WP scritto fuori posto nel RoadBook: direttore@prova.local · 21/10, 09:29:29
 - SS1 Colline · 12 Luca Bianchi · Penalità modificata · 0:05:00 · wp:wp_6db163fbfee — WP poco visibile dopo le plogge: penalità ridotta direttore@prova.local · 21/10, 09:29:29
 - SS1 Colline · 21 Anna Verdi · Bonus · 0:03:00 — si è fermata a soccorrere il pilota 12 direttore@prova.local · 21/10, 09:29:29
 - SS1 Colline · 7 Marco Rossi · Controllata dal commissario direttore@prova.local · 21/10, 09:29:29

Decisions for everyone, publication and the corrections log.

Once the race data have been deleted (after the 3 years of retention) the classification remains, but it is no longer recalculated and no more decisions can be taken: there are no tracks left to look at.

Public pages

In the **Publication** panel you switch on:

- **Public results:** the classification on the website in five languages, updated automatically;
- **Public live map:** the positions with a short trail and a **delay** of your choice (default **10 minutes**), never the roadbook track.

The public pages show only **name** (or initials, if the rider has asked for it), **number**, **class** and **team**: no email, age or gender, and testers never appear. They work for public or unlisted events.

RoadBookAI

UN PROGETTO RALLY POV

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APRI LO STUDIO

RISULTATI

Rally delle Colline

2026-10-21 - 2026-10-22 · Pinerolo

MAPPA LIVE

REPLAY

CLASSIFICA GENERALE

SS1 COLLINE

SS2 VALLI

SS3 RITORNO

Mostra:

TUTTE LE CLASSI

MOTO

AUTO

A tempo con penalità · Aggiornata il 21/10/2026 09:41 (Europe/Rome)

Pos.	N°	Pilota	Classe	Team	Tappe	Penalità	Totale	Distacco	Stato
7		Marco Rossi	Moto		1/3				In gara
12		Luca Bianchi	Moto		1/3	0:05:00			In gara
21		Anna Verdi	Auto		1/3	0:33:00			In gara

Solo nome (o iniziali), numero, classe e team. RoadBookAI - un progetto Rally POV



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The public classification: people looking at it do not need an account.

RoadBookAI

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LIVE

Rally delle Colline

2026-10-21 - 2026-10-22 · Pinerolo

RISULTATI

REPLAY

SS1 COLLINE

SS2 VALLI

SS3 RITORNO

Posizioni con 10 minuti di ritardo · aggiornamento automatico

1

21

10

Solo nome (o iniziali), numero, classe e team. RoadBookAI · un progetto Rally POV

N°	Pilota	Classe	Stato
7	Marco Rossi	Moto	In gara
12	Luca Bianchi	Moto	Fermo
21	Anna Verdi	Auto	Fuori traccia

The public live view: delayed positions and rider status.

RoadBookAI user manual

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● ORGANISING AN EVENT

Replay and tutor groups

Reviewing a stage or a training ride in the Studio - map with the actual tracks, RoadBook following along, charts, mistakes explained, section comparison, comments and shared links - and the tutor's training groups.

The replay puts everything that happened back in order: where the rider went, at what speed, which note they were reading, what they touched in the app and where they lost time. It is used by the organiser and their team after a stage, by the **tutor** with their students and by every rider on their own rides.

It opens from **Replay** in the Studio bar, from the event's **Replay** tab or from a rider's details in the results (**Open the replay**).

The player

RoadBookAI Studio UN PROGETTO RALLY POV Roadbook pubblici Olivia Organizzatrice Eventi Replay IT - Italiano Esci Tema chiaro

← Replay

Rally delle Colline - SS1 Colline Sincronizzati al DSS Orari reali Nascondi i nomi Soglia del lento (km/h) 5 Taglia punti Esporta GPX Report PDF Report PDF della tappa

Copia il link della vista

Piloti

- #7 Marco Rossi Moto 0:19:25
- #12 Luca Bianchi * Moto 0:23:30
- #21 Anna Verdi * Auto 0:47:13
- #99 Tina Tester Moto

● normale ● sopra il limite, in tolleranza ● penalità ● lento o fermo ● commento

0 km/h #12 Luca Bianchi km 0,00 di 15,05 2 m dalla traccia

mapbox

Fai clic su un punto della traccia per spostarti a quell'istante.

Avvia Torna al DSS x1 x2 x4 x8 x16 x32 x64 x128 +0:00:00

+0:00:00 +0:18:33

Velocità e limite

RoadBook Riepilogo Errori 3 Penalità

Decisioni Azioni del pilota Confronto

Commenti Condividi Tagli dei punti

Nota 2 - km 0,00 - prossima nota fra 207 m

0,00	DEP
0,00	
0,00	
0,21	FRO
0,21	
1,39	Q'RO
1,18	
1,71	
0,32	
1,88	
0,18	

On the left the riders, in the centre the map and the time bar, on the right the RoadBook and the panels.

- **Map** with the roadbook track, the waypoint radii, the speed zones, the race STOPs and the actual tracks of one or more riders (up to 8). The track of the chosen rider is coloured point by point: **green** normal, **orange** over the limit but within tolerance, **red** penalty, **purple** slow or stopped (the "slow" threshold can be adjusted).
- **Playback synced at the DSS** (everyone starts together) or at **real times**, from $\times 1$ to $\times 128$. The time bar has marks for mistakes, warnings, app actions and comments; a click on the track takes you to that moment, **Back to the DSS** to the beginning, a second click on the rider's name **follows** them.
- **Live speed and limit**, km on the track and distance from the correct track.

- **RoadBook following along** next to the map, with the note of the current position highlighted and "next note in N m"; a click on the note takes you to the spot.
- **Synced charts:** speed and limit, distance from the correct track, time from the DSS along the km (to see where time is lost).

The panels

PANEL	WHAT IT CONTAINS
Summary	times, km, waypoints, penalties
Mistakes	the mistakes in plain words : "Off course at km 4.34 for 603 m · note 10: left, ET FPP", "WP 3 WPM missed, passed 202 m from the point"
Penalties	by type, with one click to go to the spot; next to a penalty decided by hand, the decision with its reason
Decisions	race control's decisions on this rider (only if there are any): type, what it refers to, calculated and decided value, reason, "for everyone", who and when; one click takes you to the spot
Rider actions	what they did in the app: odometer corrected, waypoint skipped manually, moves in the RoadBook, zoom, off-course alarm and back-track
Comparison	the time between two waypoints or every 5 km, the best in green and the sentence "where they lost the most time"
Comments	notes pinned to a point of the track, visible to the rider in their replay
Share	a read-only link, with names hidden on request and an expiry
Point cuts	for organiser and clerk of the course: Cut points , click on the track, reason, immediate recalculation and undo; "show discarded points" displays the raw run

RoadBookAI Studio UN PROGETTO **RALLY POV** Roadbook pubblici Olivia Organizzatrice Eventi Replay IT - Italiano Esci Tema chiaro

← Replay

Rally delle Colline - SS1 Colline Sincronizzati al DSS Orari reali Nascondi i nomi Soglia del lento (km/h) 5 Taglia punti Esporta GPX Report PDF Report PDF della tappa

Copia il link della vista

Piloti

- #7 Marco Rossi Moto - 0:19:25
- #12 Luca Bianchi *** Moto - 0:23:30
- #21 Anna Verdi * Auto - 0:47:13
- #99 Tina Tester Moto

● normale
● sopra il limite, in tolleranza
● penalità
● lento o fermo
● commento

Fai clic su un punto della traccia per spostarti a quell'istante.

Avvia Torna al DSS x1 x2 x4 x8 x16 x32 x64 x128 +0:00:00

+0:00:00 +0:18:33

Velocità e limite

RoadBook Riepilogo **Errori 3** Penalità

Decisioni Azioni del pilota Confronto

Commenti Condividi Tagli dei punti

Analisi automatica con regole fisse (WP, uscite dalla traccia, ritorni indietro, velocità, STOP, soste, GPS) e le azioni fatte nell'app.

- errore: 5 min 17 s
Fuori traccia al km 4,44 per 490 m (24 s) - fino a 300 m dalla traccia - rientrato al km 4,43 - circa 24 s persi - nota 9: a destra, ET FPP
- errore: 5 min 31 s
WP 3 WPM mancato al km 4,83 - passato a 204 m dal punto - nota 10: a sinistra, FPP - penalità 5 min
- errore: 5 min 44 s
Fuori traccia al km 4,42 per 413 m (18 s) - fino a 301 m dalla traccia - rientrato al km 5,21 - nota 9: a destra, ET FPP

Each mistake says where, how much and what the note said.

RoadBookAI Studio UN PROGETTO **RALLY POV** Roadbook pubblici Olivia Organizzatrice Eventi Replay IT - Italiano Esci Tema chiaro

← Replay

Rally delle Colline - SS1 Colline Sincronizzati al DSS Orari reali Nascondi i nomi Soglia del lento (km/h) 5 Taglia punti Esporta GPX Report PDF Report PDF della tappa

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Fai clic su un punto della traccia per spostarti a quell'istante.

Avvia Torna al DSS x1 x2 x4 x8 x16 x32 x64 x128 +0:00:00

+0:00:00 +0:18:33

Velocità e limite

RoadBook Riepilogo Errori 3 Penalità **Decisioni** Azioni del pilota Confronto

Commenti Condividi Tagli dei punti

Decisioni della direzione gara su questo pilota e per tutti i piloti della tappa: valore calcolato dal servizio, valore deciso e motivo scritto nel registro.

- Penalità modificata** - WP mancato - WP 3 WPM
calcolato 0:15:00 - deciso 0:05:00
WP poco visibile dopo le piogge; penalità ridotta da direttore@prova.local - 21/10/2026, 09:29
- WP neutralizzato** - WP 7 WPE per tutti
calcolato preso - deciso neutralizzato
WP scritto fuori posto nel RoadBook da direttore@prova.local - 21/10/2026, 09:29

Race control decisions: calculated and decided, with the reason.

On top of that: **Hide names** (numbers only), **Copy the link to this view** (riders, moment and speed stay in the address) and **Export GPX** with the correct track, the riders with time and speed, the waypoints, the mistakes and the comments.

The rider report in PDF

For the debriefing there is a **PDF report** to print and hand to the rider. It is generated by the service from the recorded data, in the language of the person downloading it, with the signature "RoadBookAI · a Rally POV project"; each rider starts on a new page.

WHO	RACE	TRAINING
Organiser and team	all riders, once the stage is closed (after the last maximum time): PDF report in the replay and in the rider's details, Stage PDF report (all in one file) in Results and in the replay	—
Tutor	—	the students' rides they can see: PDF report for each ride under <i>Students</i> , or PDF report · RoadBook (n) with all the rides made with the same RoadBook
Rider	only their own, if the organiser allows it	their own rides, always (in groups the tutor decides)

Riders download their own report (only their own), from their personal area on the website or from the app (stage summary or history, **PDF report**), when it is allowed:

- in **events** the organiser decides, in the event's **Replay** tab, **Rider report** panel: **Riders can download their report** No (default), *Once the stage is closed* or *With the final classification*, with a **Rule per stage** if needed;
- for **their own training rides** the report is always available;
- in **training groups** the tutor decides, with **Students download the PDF report of their rides** (default yes).

In their personal area on the website the rider finds their stages under **My races**, with **Open the replay** and **PDF report** when it is allowed; otherwise a line says when it will be ("The report will be available once the stage is closed").

It contains:

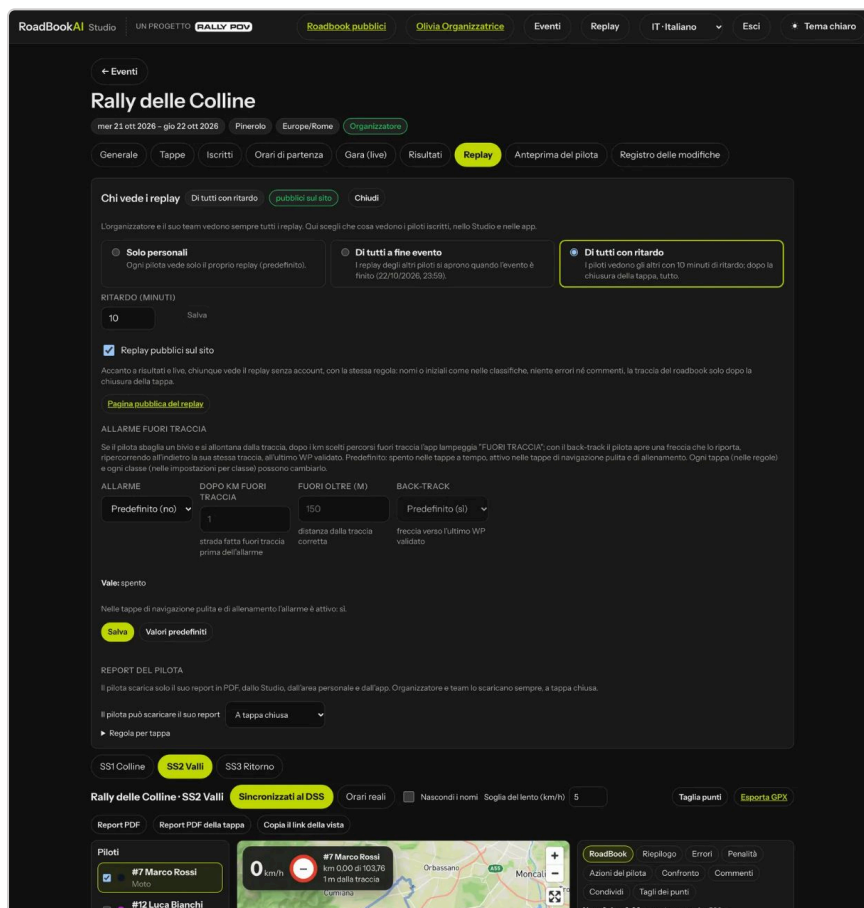
- **header** (event or group, stage, rider, number, class, vehicle, date, rules profile) and a **debrief** in short sentences: missed WPs, the longest stop, off-course episodes with the time lost, speed pulses, LateNotes;
- **time**: start, finish, total, estimated ideal time, moving, stopped, lost or gained off course, neutralisations;
- **distance and speed**: km ridden and official km, averages, top speed, waypoints validated and missed, and two items that say a lot about navigation:
 - **KM EXTRA**, the extra distance ridden compared with the RoadBook, section by section;
 - **KM CUT**, where the rider shortened the course and by how much;
- **off course**: for each episode how much time it cost, or gained;

- **waypoints**: each one, validated or missed, with the distance from the centre at which the rider passed;
- **stops**: where and for how long;
- **speeding**: zone by zone, pulses, maximum excess and penalty; then the list of **penalties** with the total (indicative in training) and the **race control decisions** (calculated, decided, reason; WPs decided by hand have an asterisk);
- **charts**: time per speed band, speed along the km with the zones, map of the track ridden against the course with waypoints, cuts, stops and off-course episodes.

Who sees the replays of an event

In the event's **Replay** tab the organiser chooses **Who sees the replays**:

- **Own only** (default): each rider sees their own; organiser and team see them all;
- **Everyone's at the end of the event**: the others open once the event is over;
- **Everyone's with a delay** of N minutes (default 10): the others with the data up to N minutes ago; after the stage is closed, all the data.



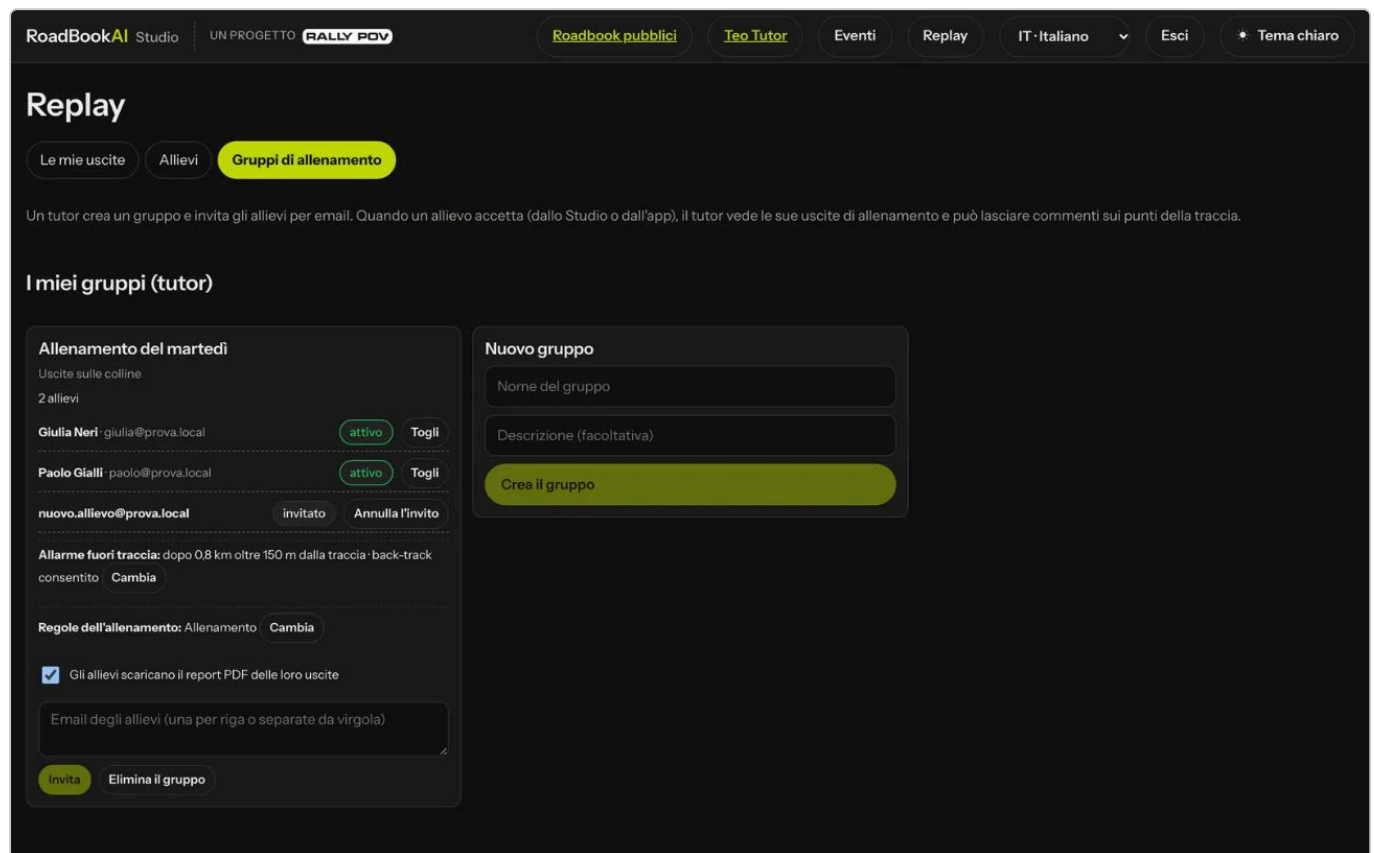
The event's replay settings: who sees them, public replays, off-course alarm and rider report.

With *at the end of the event* or *with a delay* you can switch on **public replays** on the website: a light page without an account, with the tracks and the table of riders, always with names or initials as in the results, never mistakes, penalties or email addresses, and the roadbook track only after the stage is closed.

The people who **comment** are the organiser, the clerk of the course and the event tutor, the student's tutor on the rides they can see and the rider on their own replay. The timekeeper, read-only members and people opening a shared link do not comment.

The tutor's training groups

The **tutor** role is given by an administrator. The tutor, from **Replay > Training groups**, creates a group (name and description) and **invites students by email**, including people who do not have an account yet: they find the invitation when they sign up with that address.



A group with two active students and a pending invitation.

- The student accepts or declines from the Studio or the app, and leaves whenever they like.
- The tutor sees the **training** rides made **since the student joined the group**: not races, not recces, not those in Simulation, not those the student has hidden. The student can also **share manually** an earlier ride, and withdraw it.
- For each group the tutor chooses the **off-course alarm** (km and distance, back-track yes or no) and the **Training rules** (**Change**: the Training profile or one of their own profiles, with LateNote and automatic scrolling allowed or not): the student's app uses them on training rides and the replay uses them for the analysis.
- With **Students download the PDF report of their rides** the students download their own report; when it is off, only the tutor downloads the report of the rides the group can see.

Under **Students** the tutor finds each student's rides, with km, time, waypoints, mistakes and comments; the replay of a training ride has the same tools as events, with the analysis against the roadbook used.

RoadBookAI

Studio

UN PROGETTO

RALLY POV

Roadbook pubblici

Teo Tutor

Eventi

Replay

IT - Italiano

Esci

Tema chiaro

Replay

Le mie uscite

Allievi

Gruppi di allenamento

Uscite di allenamento dei tuoi allievi, da quando hanno accettato l'invito, più quelle precedenti che ti hanno condiviso a mano. Non vedi le uscite che hanno nascosto né quelle in Simulazione.

Giulia Neri

giulia@prova.local

nel gruppo Allenamento del martedì dal 14/10/2026

Tipo	Uscita	Data	km	Tempo	WP	Errori	Commenti	Report
Allenamento	Giro delle colline (allenamento)	20/10/2026, 09:29	16.3	1:00:57	7/8	5	1	Report PDF

Apri il replay

Paolo Gialli

paolo@prova.local

nel gruppo Allenamento del martedì dal 14/10/2026

Tipo	Uscita	Data	km	Tempo	WP	Errori	Commenti	Report
Allenamento	Giro delle colline (allenamento)	20/10/2026, 12:29	15.7	0:33:42	8/8	1		Report PDF

Apri il replay

The students' rides, with the number of mistakes and comments.

RoadBookAI

Studio

UN PROGETTO

RALLY POV

Roadbook pubblici

Teo Tutor

Eventi

Replay

IT - Italiano

Esci

Tema chiaro

← Replay

Giro delle colline (allenamento) · 20/10/2026, 09:29

Sincronizzati al DSS

Orari reali

☐ Nascondi i nomi

Soglia del lento (km/h) 5

Esporta GPX

Report PDF

Copia il link della vista

Piloti

☒ Giulia Neri

normale

sopra il limite, in tolleranza

penalità

lento o fermo

commento

0 km/h

Giulia Neri

km 0,00 di 15,05

0 m dalla traccia

Fai clic su un punto della traccia per spostarti a quell'istante.

Avvia

Torna al DSS

x1

x2

x4

x8

x16

x32

x64

x128

+0:00:00

+0:00:00

+0:19:01

Velocità e limite

RoadBook

Riepilogo

Errori 5

Penalità

Azioni del pilota

Commenti 1

Condividi

Analisi automatica con regole fisse (WP, uscite dalla traccia, ritorni indietro, velocità, STOP, soste, GPS) e le azioni fatte nell'app.

errore: 5 min 47 s

Fuori traccia al km 4,34 per 603 m (34 s) · fino a 342 m dalla traccia · rientrato al km 4,43 · fuori traccia per 1,4 km · allarme nell'app · back-track usato · ultimo WP validato: 2 · circa 27 s persi · nota 9: a destra, ET FPP

errore: 6 min 11 s

WP 3 WPM mancato al km 4,83 · passato a 202 m dal punto · nota 10: a sinistra, FPP · penalità 15 min

errore: 6 min 25 s

Fuori traccia al km 4,42 per 347 m (15 s) · fino a 301 m dalla traccia · rientrato al km 5,11 · nota 9: a destra, ET FPP

azione nell'app: 6 min 49 s

Odometro corretto da 5,23 a 4,83 km · subito dopo un errore

azione nell'app: 6 min 59 s

WP 3 saltato a mano nell'app · subito dopo un errore

errore: 8 min 45 s

A ride gone wrong: off course with the app's alarm and back-track.

The rider and their rides

Every rider finds under **Replay** › **My rides** the stages they have raced and the training rides sent by the app, with comments, the tutors who can see them and the **Report** column (the PDF, or the reason why it is not there yet); from here they choose **Hidden from tutors** or share manually. The same replay also opens in the app, see [Training and replay](#).

RoadBookAI StudioUN PROGETTO RALLY POV

Roadbook pubbliciMarco RossiEventiReplayIT - ItalianoEsci* Tema chiaro

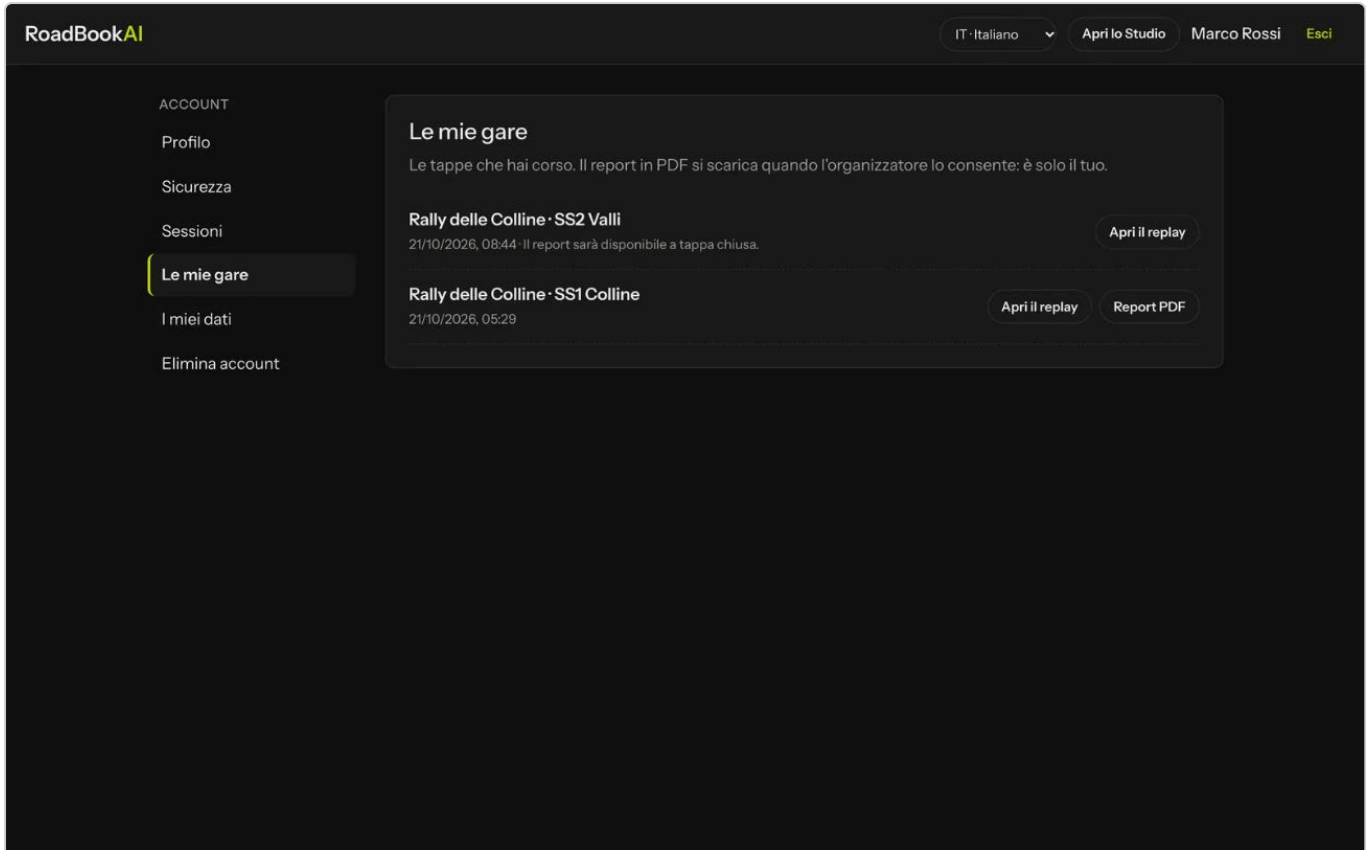
Replay

Le mie usciteGruppi di allenamento

Tappe di gara corse e uscite di allenamento mandate dall'app. Apri un replay per rivedere la traccia, gli errori e i commenti del tutor.

Tipo	Uscita	Data	km	Tempo	WP	Errori	Commenti	Tutor	Report
Gara	Rally delle Colline · SS2 Valli	21/10/2026, 08:44	46.4	—	3/8	—			Report PDFApri il replay
Gara	Rally delle Colline · SS1 Colline	21/10/2026, 05:29	15.1	0:19:25	8/8	—			Report PDFApri il replay

My rides: SS1 is closed and the report can be downloaded; SS2 is still open.



My races in the personal area of the website.

● THE RIDER APP

The app - installation and sign-in

The RoadBookAI app for Android, iPhone and iPad - installing it, signing in with your Studio account, the home screen, My roadbooks, imported files, automatic data sending and privacy.

The RoadBookAI app is the rider's cockpit: it puts the RoadBook on the handlebars, navigates with the FIM rules, records the track and sends the data to the organiser or the tutor. It is the same app on **Android** and on **iPhone and iPad**, with the same controls, the same settings and the same words, in Italian, English, French, Spanish and German.

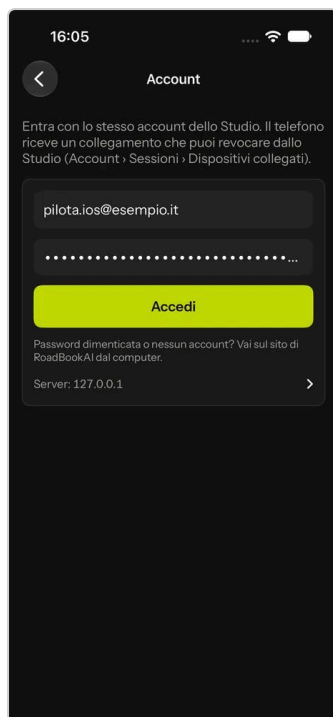
Installing it

	ANDROID	IPHONE AND IPAD
System	Android 8 or later, phone or tablet	iOS 17 or later
Where to get it	Google Play (during the trial: by invitation, through the Google Play test)	App Store (during the trial: by invitation, through TestFlight)

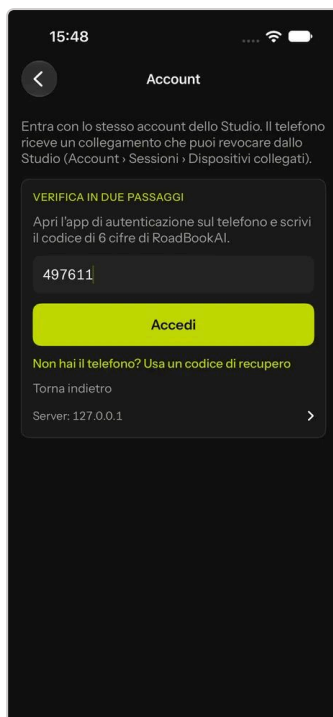
To receive the invitation, write to info@rallypov.it. The first time it starts, the app asks for **location** permission (needed to measure km and validate waypoints) and, only when you record a voice note on a recce, for the **microphone**. On Android it is a good idea to **exclude RoadBookAI from battery saving** (Settings › Device): some phones close apps in the background and the track would stop recording with the screen off.

Signing in with your account

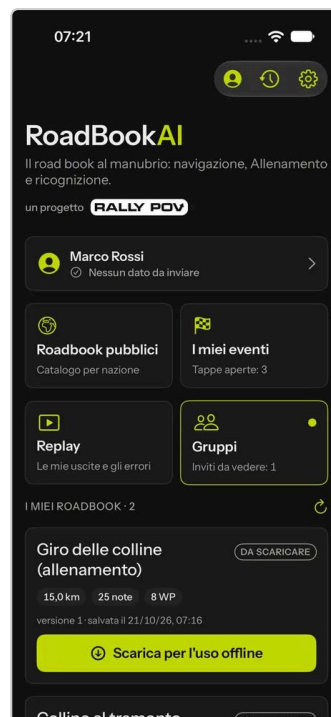
Tap **Sign in** and use **the same account as the Studio**: email, password and, if you have turned it on, the two-step verification code. Without the phone with the authenticator app, use **a recovery code**.



Signing in with your Studio account.



The two-step verification code.



The home screen, signed in.

The phone receives a **connection** that lasts 180 days and renews itself when you use the app. In the Studio you will find it under **Account** > **Sessions** > **Connected devices**: if you lose your phone you **disconnect** it from there and the app immediately stops receiving your account's data (see [Account and security](#)).

The app also works **without an account**, with the roadbooks you import by hand and with public roadbooks. Without an account, however, your rides stay only on the phone: to send data to an organiser or a tutor you need to sign in.

The home screen

From the top:

- the **account** panel, with the status of data sending;
- **Public roadbooks**: the free catalogue by country, even without an account ([Public roadbooks](#));
- **My events**: the races you are entered in, with stages and start times ([Racing with the app](#));
- **Replay** and **Groups**: your rides and training with your tutor ([Training and replay](#));
- **My roadbooks**: the ones in your Studio account;
- the roadbooks **imported** on the phone, and the **Import roadbook**, **From link** and **Free recce** buttons.

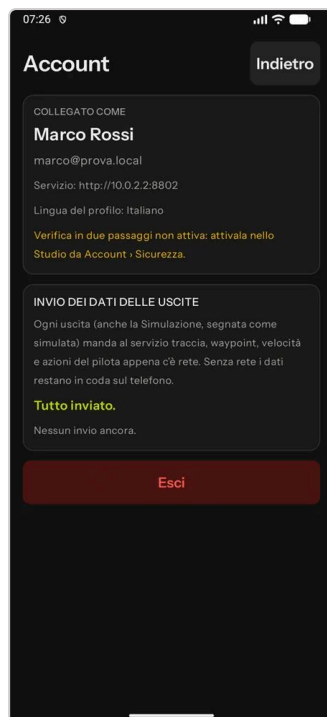
At the top right, the **History** of your rides and the **Settings**.

My roadbooks

Every roadbook in your account (yours or shared with you) appears here as soon as you **save a version** in the Studio: tap **Download** and from then on it works **offline**. When you save a new version in the Studio, the app tells you ("New version 2 in the Studio") and **Update** replaces it. Pull the page down to refresh the list.



A roadbook from the Studio downloaded, with the offline map, and one to download.



Android: the connected account and data sending.



A new version saved in the Studio.

Each card shows km, notes, waypoints, range and distance from the start, and the ways to use it: **Navigate**, **Training**, **Simulation**, **Recce**; for account roadbooks and public ones also **Download the offline map** and **GPX navigation** (GPX navigation).

Importing a file

RoadBookAI files (`.roadbook.json` , exported from the Studio), OpenRally files (`.gpx`) and RoadBooks in PDF open even without an account:

- **Import roadbook** and choose the file;
- or, from another app (Files, Drive, WhatsApp, Mail, Messages, AirDrop), **Open with** › RoadBookAI or **Share** to RoadBookAI;
- or **From link**, pasting the address of the file.

The app confirms with the number of notes and waypoints. PDF RoadBooks have their own section in the library.



A PDF RoadBook in the library, with its GPX next to it.

With a RoadBookAI file the notes are drawn as vectors, like in the PDF Dakar; from OpenRally files the app shows the images contained in the file; a PDF is scrolled page by page, with the instruments (see [Reading a RoadBook in PDF](#)).

Automatic data sending

With your account connected, every ride (race stage, training, even simulation, marked as simulated) sends the **track** (one point per second), the **waypoints**, the engine's **events** (zones, dangers, GPS) and the **rider actions** to the service. The data is sent **automatically** as soon as there is a network connection: every 2 minutes during the ride, at the end of the ride, when the network comes back, even with the app in the background. Without a network it waits on the phone in a queue that loses nothing and duplicates nothing, even if the app is closed halfway.

The status is in the account panel and in the cockpit menu (**Ride data**); **Send now** forces sending. If you sign out of your account with data still queued, the app warns you: it stays on the phone and is sent when you sign in again with the same account.

Language

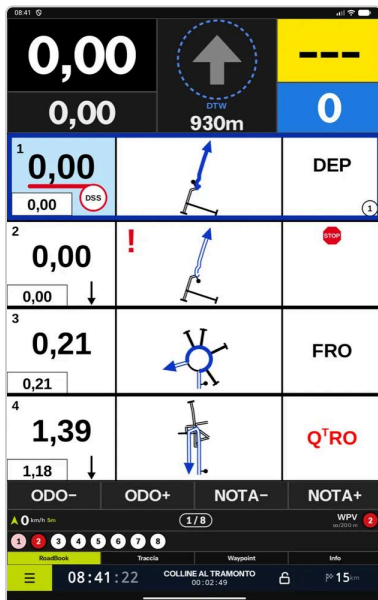
The app speaks the phone's language; in the settings you can choose another one among Italian, English, French, Spanish and German. With an account the choice also goes into your profile: the Studio and emails speak to you in the same language. Voice announcements use the phone's voice in that language. The roadbook abbreviations (FRO, FPP, Q^r, ET...) stay international.

Privacy

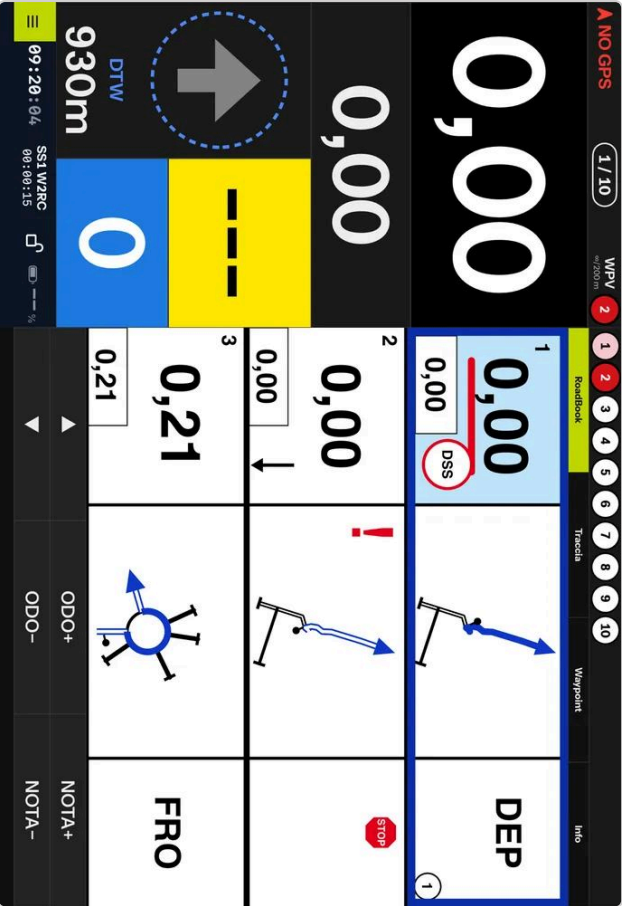
- **Location** is used only during a ride you start yourself; the **microphone** only on a recce.
- Roadbooks, tracks, audio and photos stay on the phone and go to the service only with your account connected, for the use you have chosen: the organiser of the event you are entered in, the tutor of the group you have joined, your replay.
- Race stage roadbooks stay **encrypted** on the phone and are deleted after the stage.
- Rides in **Simulation** are marked as simulated and never count.
- The data sent are **signed** by the phone, so the service knows they come from your app.
- Race data are processed jointly by the organiser and M@trix and are kept for **3 years** from the end of the event; training rides until you delete them. The details are in the [Privacy](#) page.

iPad and tablets

On a tablet the cockpit works in portrait and landscape, with more notes visible. A phone and a tablet can work together for the same rider: one **main** and one **backup** (Settings › Device); both record, for the race the main one counts.



Android tablet, in portrait.



The cockpit on iPad, in landscape.

● THE RIDER APP

The cockpit

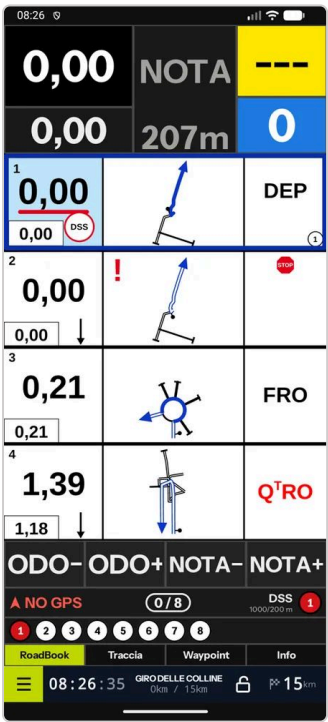
The cockpit's instruments and controls - instruments at the top and status block at the bottom, odometer and partial, waypoint arrow, RoadBook with large notes, automatic scrolling, panels and modes, waypoints, speed, race STOP, neutralisations, RoadBooks in PDF, remote and menu.

The cockpit is the screen you look at on the bike. Everything is designed to be read at a glance and operated with gloves on or with the remote.

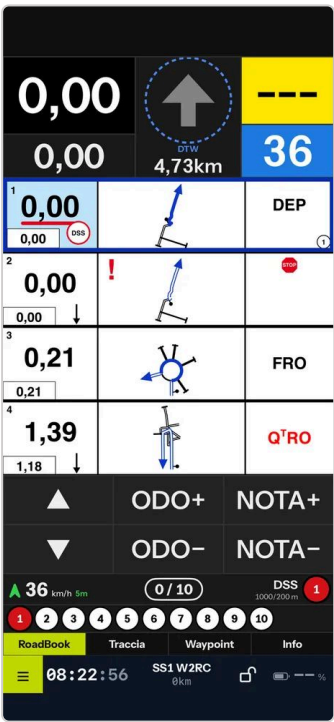
In portrait, from the top:

- 1. the **instruments**: total and partial, waypoint arrow or NOTE with the distance, CAP and speed;
- 2. the **RoadBook** (or the map, or another panel), with the ODO and NOTE keys below;
- 3. at the bottom the **status block**: the line with the speed and the limit in force, the validated WPs ("2 / 10") and the next waypoint with type, radii and number; the **waypoint strip**; the **panel tabs**; the **bar** with the menu, the time, the stage with its km and the lock.

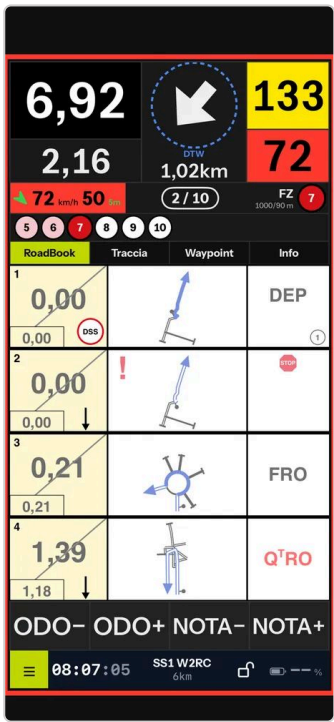
That way only the numbers you need while riding stay at the top. With **Instrument bar: Top** (Settings > Display) the status line and the WP strip go back under the instruments. In **landscape** the instruments are on the left and the RoadBook on the right.



In portrait: instruments, RoadBook and keys, the status block at the bottom.



The same on iPhone, with the active note framed.



In a speed zone, over the limit.

The instruments

INSTRUMENT	WHAT IT SHOWS
Total	the odometer in km, large; corrected with ODO- and ODO+

INSTRUMENT	WHAT IT SHOWS
Partial	the km since the last reset, below the total
Arrow and distance	with a waypoint open, the direction and the metres to go (DTW) inside a dashed circle; with no waypoint, the word NOTE and the distance to the next note
CAP	the direction of travel in degrees, on a yellow background; below it, on a blue background, the speed or the average CAP
Status line	speed with the limit in force in red, the WPs validated out of the total and the next waypoint (type, radii, number)
Waypoint strip	the numbered circles: validated, current, upcoming; without hidden WPs or missed ones
Bar	menu, race time with seconds, stage name with the km done and the total km, lock, battery or km to go

The GPS accuracy, the stopwatch (from the validated DSS to the ASS) and the rest are in the **Info** panel. Speed instead of CAP, large speed, average CAP, decimals, separator, total colours and digit font are chosen in the settings. In regulation mode, km to go and coordinates stay hidden.

The controls

CONTROL	GESTURE
ODO- / ODO+	total minus or plus one step (10 m by default); holding it down speeds up the step
NOTE- / NOTE+	the RoadBook moves back or forward by exactly one note , starting from the note at the top of the RoadBook
Partial	tap = plus one step, double tap = two steps, long press (1 s ring) = reset
Total	long press (ring) = keypad to type the value
A note in the RoadBook	long press = brings the odometer to that note; double tap = magnifier
WP arrow	long press (orange ring) = forced opening, if the regulations allow it; on iPhone, in races with codes, it opens the unlock code
≡ MENU	everything else
	locks touches; unlock by holding for 1 s

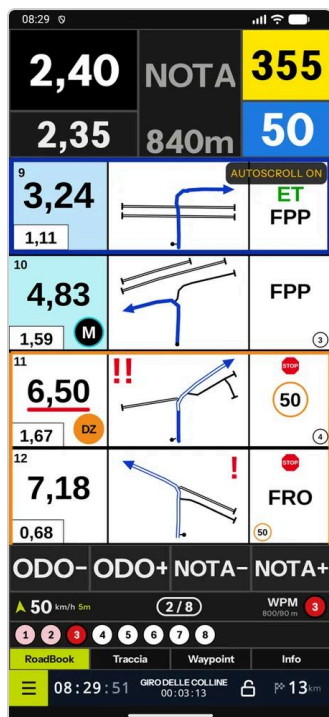
The ODO and NOTE keys can be hidden from the menu or the settings: riders using a remote gain room for the RoadBook.

The RoadBook

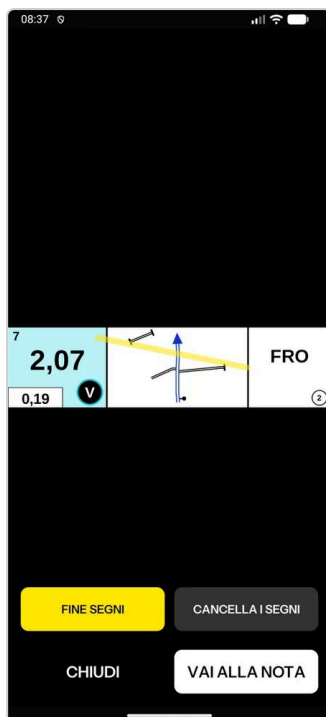
The notes are drawn as in the PDF Dakar: total km, partial, drawing with the arrow and annotation column, with the RoadBookAI icons, the yellow CAP, red dangers, MODIF and NEW NOTE. The **active note** sits at the top, highlighted, and stays active until 50 m after its km.

The notes are **large**, full width, so that they can be read at arm's length: on a phone at most **4** in portrait (you can go down to 3 or 2) and **3** in landscape; on a tablet up to 5 in portrait and 3 in landscape. The drawing and the text grow with the note.

- The note you are tackling has a thick **frame** around the whole row, with the large km, the partial below and the waypoint badge; the km is underlined in red once the odometer has passed it. In the night theme the frame is light blue.
- **Notes already passed** have a dimmed background and the km struck out.
- **Automatic scrolling**: the RoadBook follows your position. With **Position check**, if you leave the track it stops: it does not move on by itself while you are lost. When you turn it on or off (key, remote or menu) the word "autoscroll" appears for **3 seconds** and then disappears; "MANUAL" tells you that you have moved the RoadBook by hand and that it will return to the active note by itself. In races under the **FIM W2RC 2027** regulations automatic scrolling is always off and no label appears: the RoadBook is moved forward by hand, and you only read the reason if you try to turn it on. In training it is allowed by default, but the organiser or the tutor can turn it off.
- If you scroll with your finger, the RoadBook returns to the active note after a few seconds (where automatic scrolling is available).
- **Magnifier** (double tap on the note): enlarges the note; from the magnifier **Go to note** opens navigation to that point in the phone's maps and the **highlighter** leaves personal marks on the note, until you clear them.
- **Strike passed notes**: strikes out the notes already passed; **countdown**: on the active note, the metres to go.
- Pinch to change the number of notes on the screen.



"Autoscroll" appears for 3 seconds.



The magnifier with the highlighter.



Long press on the total: the keypad.

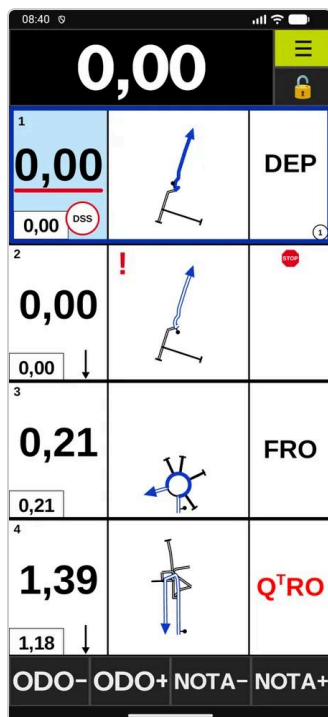
Panels and modes

The tabs of the status block change the large panel: **RoadBook**, **Track** (the road ridden), **Waypoints**, **Info** (time, position, GPS, stage, times, indicative penalties, battery and storage) and, when there is an offline map, **Map**.

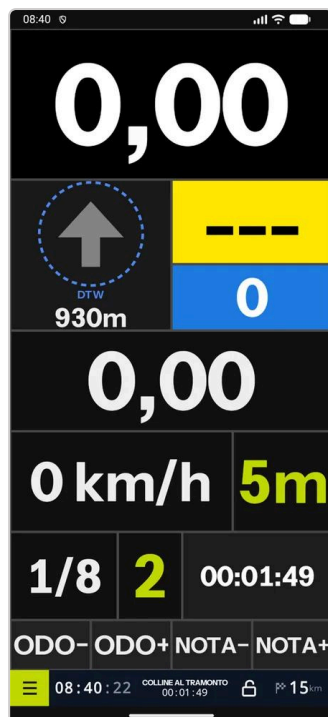
The **cockpit modes**:

- **Standard**: instruments and large panel;
- **Minimal**: RoadBook and total only;
- **Rally GPS**: large instruments only, for riders navigating with a paper roadbook.

The **themes**: **Rally POV** (dark, default), **Night** (orange, so as not to dazzle) and **High contrast** for the sun.



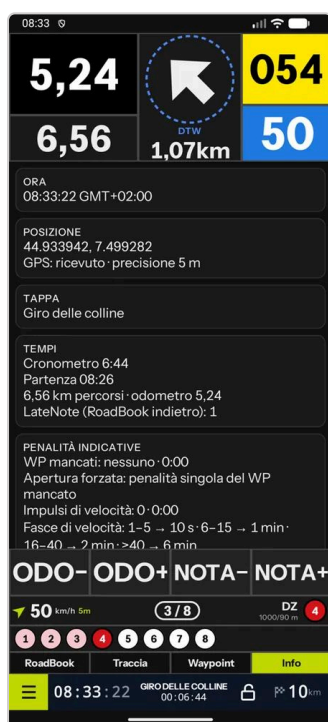
Minimal mode.



Rally GPS mode.



Night theme.



The Info panel.

Waypoints

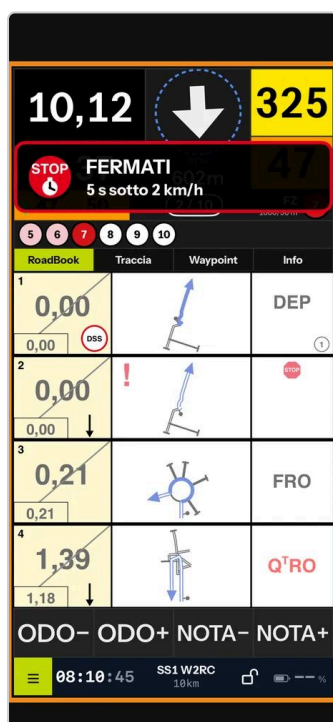
The app knows the 16 waypoint types with the roadbook's radii:

- a waypoint **opens** when you enter its opening radius (some only after the previous one has been validated) and the arrow guides you towards the centre; WPs without guidance do not show the arrow;
- it is **validated** when you pass within the validation radius, even between two GPS points: sound, vibration and the message "WP 4 VALIDATED"; hidden WPs validate silently;
- if you reach a waypoint without having validated the previous one, the app asks whether to **skip** it;

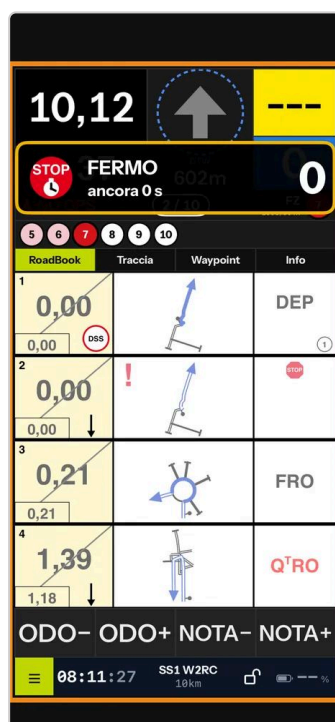
- **Waypoint list** (from the menu) shows the status of all of them; **WP+** skips the expected WP, **WP-** reopens the last one skipped;
- **forced opening**: when a WP cannot be found, the arrow still guides you, but that WP counts as missed. If the race regulations do not allow it, the app does not offer it and says so; under the FIM W2RC 2027 regulations its place is taken by race control's **unlock code** (see [Racing with the app](#));
- the arrow always points to the **expected waypoint**: a WP further on that opens "in a chain" (a DZ or a WPE within the radius) does not take it over while the expected one is still ahead;
- with **Adjust the odometer when a WP is validated** the total is brought to the waypoint's distance, compensating for the metres ridden after the centre.

Speed, dangers and race STOP

- **DZ-FZ speed zones**: warning 300 m before, then an orange frame, the limit on the screen, a sound alarm below the limit and red flashing above it. If you are on the course of a zone without having taken the DZ, the limit applies all the same.
- **Class limit** and **general limit** outside the zones, when the organiser sets them (or you, in training).
- **Dangers 2 and 3**: warning with sound and voice at 200 m.
- **Race STOP**: warning at 200 m, then "STOP!": below 2 km/h inside the circle the countdown of the stop starts, and at the end "STOP RESPECTED". The ordinary STOP sign stays only in the drawing.



Race STOP: STOP!



Stopped inside the circle: the countdown.

Neutralisations and liaisons

When the DN is validated a **large green countdown** starts with "NEUTRALISATION", always in the foreground. The **exit area** is the FN radius: you enter it only in the last minute (in **yellow**, "Too early: wait outside the exit area" if you arrive earlier), you stop in front of the marshals ("STOP — wait for the marshals")

and at zero a large green **GO** appears, with sound and vibration. If you leave the area before zero the countdown turns **red**: "EARLY EXIT", with how early you were. Between **DT** and **FT** the liaison strip shows the elapsed time.



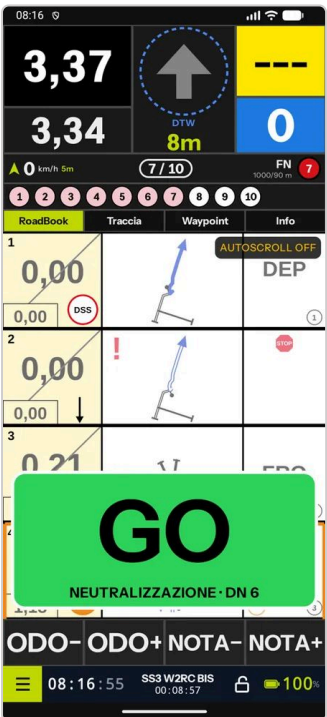
Neutralisation: the countdown.



Too early: outside the exit area.



Inside the exit area.



GO.



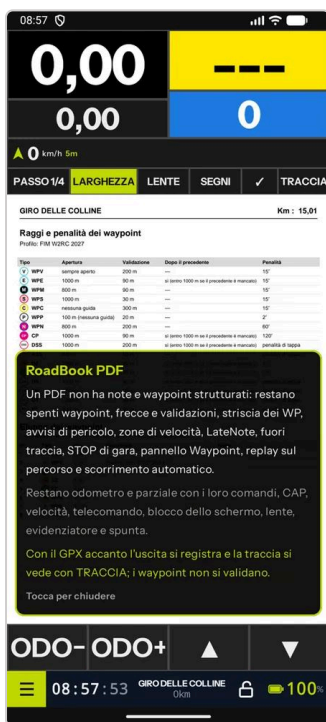
Early exit.

Reading a RoadBook in PDF

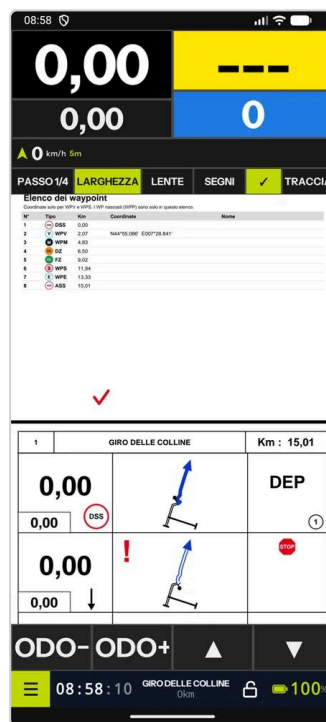
The app also opens a **RoadBook in PDF**, just like a RoadBookAI roadbook: from Files, AirDrop, sharing or a link. The cockpit becomes a **PDF scroller** with the instruments: total and partial with all their controls, CAP, speed, time and battery.

- Scrolling moves in steps of **1/8, 1/4, 1/3, 1/2 or 1 page** (Settings > RoadBook), with **fit to width** and continuous pages; the app remembers where you had got to in each file. There is no automatic scrolling: the PDF does not say where the notes are.
- The remote (scroll forward and back), the screen lock, the **magnifier**, the highlighter and note striking all remain.
- The functions that need the roadbook's data switch off by themselves, with the reason written once: waypoints, arrows and validations, the WP strip, danger warnings, speed zones, race STOPs, LateNote, off course, the Waypoints panel, replay along the course.
- If you also open the **GPX** of the course, the app records the ride and shows the map (without validations).

The PDF is for free use and for training: in the stages of an event the organiser's package always applies. In the library PDFs have their own section, with **Open the PDF RoadBook** and **GPX alongside...** (any GPX track will do).



The PDF reader: the functions switched off, explained once.



Moving in steps, with striking.



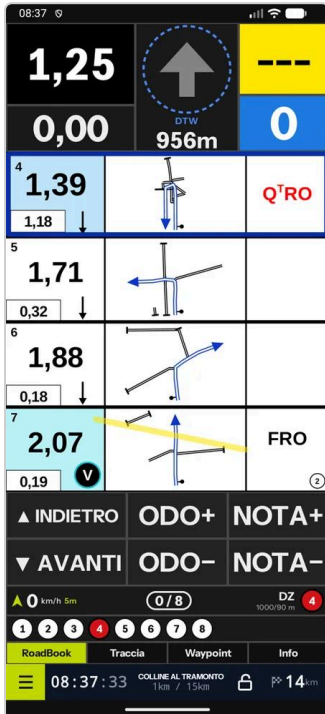
The magnifier on the PDF.

Screen, background and battery

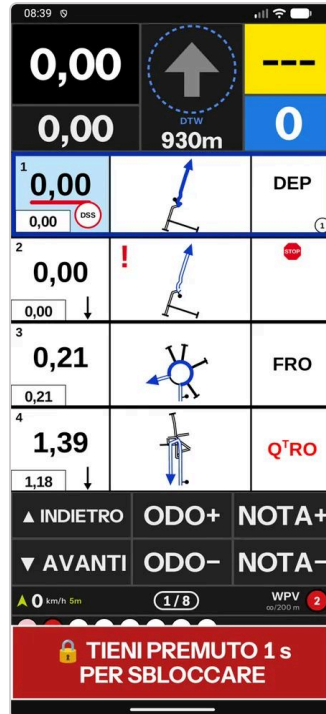
During a ride the screen stays on and navigation continues **with the screen off** and with the app in the background: GPS, waypoint validation, alarms and recording do not stop. The track is saved every 15 seconds: even if the phone switches off, when it restarts the ride is in the History.

Remote

Bluetooth remotes are paired from the phone's Bluetooth settings and the app picks them up by itself (as a keyboard, media keys or volume keys). In **Settings > Remote** you reassign each action by pressing the key; the **virtual remote** puts large keys on the screen (BACK, FWD, ODO±, NOTE±) in the colours of the theme. With a remote connected you can still type in text fields (unlock code, total, partial). Details in the [settings](#).



The virtual remote.



The locked screen.



The cockpit menu.

The menu

The cockpit menu (it scrolls, if it is taller than the screen) has: go to note, waypoint list, WP+ and WP-, forced opening or **Unlock code (race direction)**, partial (type the value), ODO and NOTE keys, virtual remote, mode, theme, automatic scrolling, lock rotation, stopwatch, **Recce on this RoadBook**, ride data, **All settings...**, **End session**. In race stages also the live status and **RETIRE**.

At the end of the ride **End session** saves the track in the **History** and opens the **summary**: total time, DSS-ASS time ("not measured" if you did not reach the ASS), km, waypoints validated, forced, skipped and missed, speeding in zones, LateNote and **theoretical penalties** (in training they do not count). Even an interrupted ride (phone switched off, app closed by the system) stays in the History with its km and its replay.

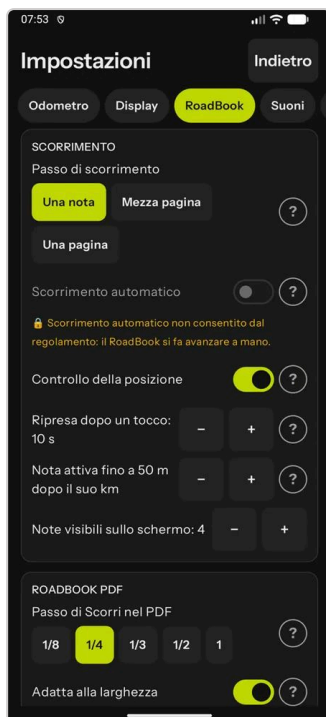
Cockpit settings

The ten tabs of the app settings – Odometer, Display, RoadBook, Sounds, Track, Remote, Time, GPS, Waypoints and Device – profiles and the settings locked by the organiser.

The settings open from the home screen (the gear icon) or from the cockpit menu with **All settings....** They are divided into **ten tabs** along the top; each item has a **?** with a short explanation. The same items, with the same names, are on Android and on iPhone; where the position differs, the guide says so.



Odometer tab: an item imposed by the race, locked with the reason.



RoadBook tab: scrolling and PDF RoadBooks.



Waypoints tab: arrow and training rules.



iPhone, Sounds tab: the speed alarm.



iPhone, Remote tab.

Odometer

- **ODO+ / ODO- step:** 10, 30, 50 or 100 m (default 10 m); holding the key down speeds up the step. It also applies to taps on the partial.

- **Adjust the odometer when a WP is validated:** when a waypoint with a distance in the roadbook is validated, the total is brought to that distance, compensating for the metres ridden after the centre. It is the function that keeps the roadbook aligned for the whole stage.
- **Hide partial** (the total fills the whole field) and **Partial on top**.
- **Decimals** of the total and the partial (2 or 1: the value is truncated, never rounded).

Display

- **Theme, text size, instrument units** (km and km/h or miles and mph; the notes stay in km, as in the roadbook), **language**.
- **Cockpit mode:** Standard, Minimal, Rally GPS; default **large panel**.
- **Speed instead of CAP** when there is no arrow; **large speed**; **average CAP** (Ø, the average of the last 10 seconds); **degree symbol** in the CAP.
- **Instrument bar** at the top, in the centre or at the bottom; **waypoint row**.
- **Decimal separator** (1,23 or 1.23) and **total style** (as the theme, white on black, cyan on black, black on cyan); **digit font:** Readable, Narrow, Rounded.
- **Hide the km hundreds** (120.99 → 20.99) and **hide the note number**.
- **Extra keys:** ODO-/ODO+ and Note-/Note+ visible or not, with a preview.

RoadBook

- **Scroll step** of the Scroll forward/back keys: one note, half a page, one page (Note± always moves exactly one note). For **RoadBooks in PDF:** 1/8, 1/4, 1/3, 1/2 or 1 page, and **fit to width**.
- **Notes visible** on the screen: on a phone at most 4 in portrait and 3 in landscape; on a tablet up to 5.
- **Automatic scrolling** with **position check** (locked off in FIM W2RC 2027 races and when the organiser or the tutor turns it off); **resume** after a touch (in seconds); **note active until N m** after its km.
- **Countdown** to the next note, **strike** passed notes, **decimals** of the RoadBook km.
- On iPhone, this tab also has the **LateNote alert** (on Android it is in the Waypoints tab, below).

Sounds

- **Sounds and voice announcements** (WP validated, zones, dangers, GPS, in the app language); **validation beep**; **approach sounds** for dangers 2 and 3 (200 m), race STOP and upcoming speed zone (300 m).
- **Speed alarm** with three presets: **Off**, **Safety** (warns before the limit), **Performance** (warns close to the limit, for riders chasing seconds). The sliders can be changed: **warning** and **alarm** in km/h below the limit and **general limit** outside the zones; if you change a preset, "Modified" appears. Below, the indicative penalties per pulse.

Track

- **Map of the track ridden:** **Full** (course and all WPs with their status), **Training** (course and validated WPs), **Race** (only where you have been and the validated WPs: missed WPs are never drawn, so the map cannot be used to look for them).
- **Trail:** 1, 5, 15 km or unlimited; **show the course** (never in Race mode).
- **GPX map:** map theme (automatic, light, dark), **turn warnings**. The GPX map always turns in the direction of travel (see [GPX navigation](#)); on Android, **North up** applies to the Track panel.

- **Off-course alarm** for personal rides: on or off, km ridden off course, distance from the track, back-track arrow.

Remote

- Connection status: remotes are paired from the phone's Bluetooth settings (on iPhone only from there) and appear as a keyboard or media keys.
- **Virtual remote**: large keys on the screen that mimic the remote control.
- **Compatibility mode** for remotes that send media or volume keys; **invert scrolling**; **invert the odometer keys**.
- **Key assignment**: tap an action and press the key on the remote; holding the action down removes its keys; each action shows its keys ("Arrow right · Page down"). Actions: Scroll forward, Scroll back, Odo+, Odo-, Note+, Note-, Waypoint+, Waypoint-, Reset odometer, Reset partial, Strike note, Lock screen, Magnifier, Switch panel, Automatic scrolling, Voice note (recce). **Restore defaults** takes you back to the start.

Time

Race time: *Automatic* (the phone's), *Manual* (a fixed offset from UTC) or *Event* (set by the organiser and locked during the event). Recordings always stay in UTC.

GPS

- **Anti-drift level**: when stopped, the GPS "wanders" by a few metres; below the level's speed the metres do not count (off, low, medium, high).
- **GPS accuracy** in the instrument cell.
- **External GPS**: on Android a Bluetooth receiver connects through its own app as the phone's position and RoadBookAI automatically receives the best position.

Waypoints

- **Arrow release**: a signed number relative to the centre of the WP (-40 removes it 40 m before, 0 at the WP, +30 keeps it until 30 m after), within the validation radius.
- **Forced opening**: long press on the arrow (or from the menu); the WP counts as missed. If the race regulations do not allow it, the item is locked with the reason ("Unlock only with the race control code").
- **Training** (personal rides; in the stages of an event the organiser decides, in groups the tutor): the race rules are switched off one by one (**Banded speed penalties**, **Race STOPS**, **Early exit from neutralisations**) and there is the **Alert when the RoadBook falls behind (LateNote)** with **Threshold** (notes) and **Hold time** (seconds); see [Training and replay](#).

Device

- **Device role**: *Main* or *Backup*, when you use two phones or a phone and a tablet: both record, for the race the main one counts and the backup one is used if the main one is lost.
- **Lock rotation at start**; battery (exclude from battery saving, on Android).
- **Profiles**: you save all your settings under a name ("Race bike", "Training") and load them again with one tap.

- **Sync:** with an account, your settings go into your **account profile** and you find them again on a new phone.
- **About:** app version and licences.

Settings locked by the race

During a race stage some settings are decided by the organiser: the event time, the map of the track in Race mode, the off-course alarm, the class limit and, with regulation mode, also recalibration at WPs, the speed alarm, the danger sounds, forced opening and automatic scrolling. These items appear **locked with the reason** ("Rules: in a race the map only shows where you have been and the validated WPs"). At the end of the stage your own settings come back.

● THE RIDER APP

GPX navigation with the offline map

Navigating the track on a map downloaded in advance, with the RoadBook warnings overlaid – dangers, STOPs, junctions, fords, speed zones – for GPX entrants, public roadbooks and your own roadbooks.

Not everyone navigates with the RoadBook. Riders entered as **GPX**, or riders who want to follow a track in training, see the **track on a map** downloaded in advance, which works **offline**. Underneath, the same engine as the cockpit knows the RoadBook notes and **warns** you, overlaid on the map, with sound and voice, wherever attention is needed.



A GPX stage: the encrypted map is already on the phone.



The map in the direction of travel, with – and +.



Moved by hand: Recentre.

The map

- It is **our own** vector map, with colours designed for off-road riding: roads by importance, tracks by type and surface, paths, fords, no-entry accesses, water, sand and rock, protected areas, peaks and passes, **contour lines** and relief **shading**, names in Instrument Sans. Light theme (readable in the sun) and dark theme.
- It covers a **corridor** around the track (1.5 km on each side at the highest detail, wider at distant zoom levels): a few megabytes instead of a whole region. You can see the size before downloading it.
- The track is **magenta** with a white border; on top of it the trail ridden, the validated WPs, the target of the arrow and your position with its direction.
- The map **always turns in the direction of travel**, with your position in the bottom third.
- At the bottom there are only three controls: – and + (zoom, one level at a time) and **Recentre**, which appears when you move or rotate the map with your fingers and brings it back to your position and direction of travel. If you do not touch anything else, the map recentres **by itself after 10 seconds**.

- With the **remote**, in the Map view, **Scroll forward** and **Note+** zoom in, **Scroll back** and **Note-** zoom out, and the **magnifier** key recentres. Odometer and partial are corrected from the menu and with a long press.
- At the bottom, **km done** and **km to go** along the track. Beyond 60 m from the track **BACK TO THE TRACK** appears with the arrow and a dashed line.
- © **map contributors** opens the data credits.

The warnings

The card of the **next warning** appears overlaid on the map, with the countdown of the metres and the other warnings of the same note:

- **dangers** 1, 2 and 3;
- **STOP** (the sign, for information only) and **give way**;
- **crossings** of and entries onto major roads, **level crossings**, **fords**;
- **speed zones**, neutralisations and liaisons with the limit, and a band with the metres to the end of the zone;
- **difficult turns** and complex forks, optional (Settings › Track › Turn warnings).

When you enter the warning distance, the signal and the voice sound. Everything from the cockpit remains: **waypoints** that validate just as for riders using the RoadBook, **race STOP**, **neutralisations**, **off course and back-track**, live position and retirement.

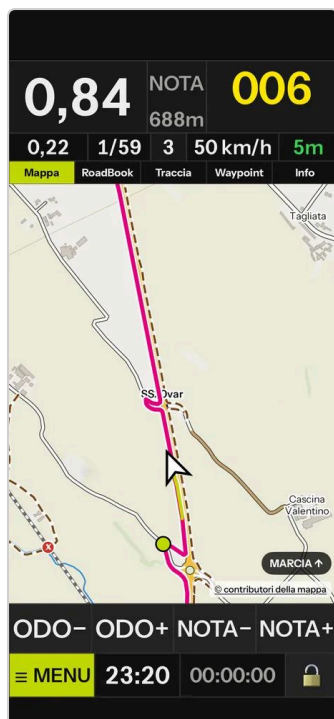
A GPX rider **does not see the notes or the RoadBook**: they see the road and the warnings. In the results RoadBook and GPX are separate categories.

Where the warnings come from

- In **race stages**, from the organiser's roadbook, frozen for the stage.
- In **public roadbooks** and **your own roadbooks**, from their RoadBook.
- For a track **without a roadbook**, the service generates the roadbook from the track by itself, with the same engine as the Studio, and derives the warnings from it: the first time this can take a few minutes ("being prepared").

GPX stages in a race

GPX entrants receive the stage map **encrypted** together with the package, and it opens **at the same time** as the roadbook, using GPS time; at the end of the stage map and key are deleted. Before the start the app explains what you will see. If the organiser decides so, **RoadBook** riders also receive the map: the **Map** tab appears next to the RoadBook. With **regulation mode** the map with the track can be seen only if the supplementary regulations provide for it.



RoadBook rider with the organiser's map.



Several warnings of the same note together.



The same on iPhone.

Training with the map

On the page of a public roadbook or one of your own roadbooks:

1. **Download the offline map** (with its size) before you leave, on Wi-Fi;
2. **GPX training** to follow the track with the GPS, or **Simulate GPX** to try it at home with a fake GPS;
3. **Update** or **Delete** the map when you no longer need it.



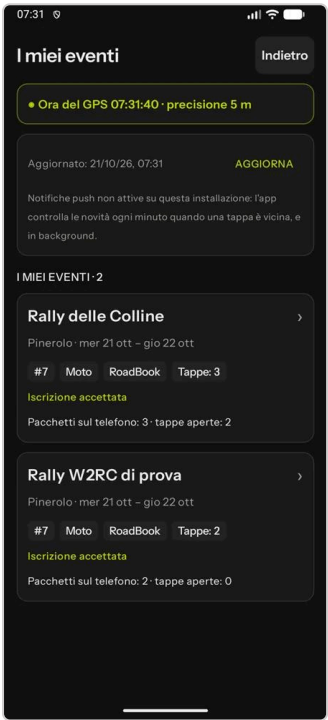
Offline map downloaded:
GPX training and Simulate
GPX.

Racing with the app

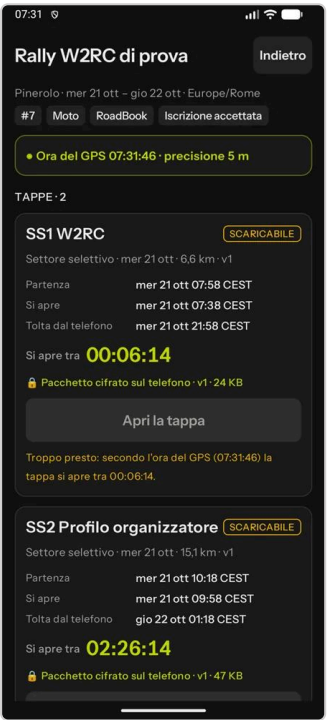
For riders entered in an event – My events, GPS time, the encrypted package that opens by itself at the right time, last-minute versions, the stage rules in the cockpit, live position, retirement and data sending.

When an organiser enters you with your account's email, the event appears by itself in the app under **My events**. You do not have to download files or look for links: the stage reaches your phone, encrypted, and opens at the set time.

My events



My events, with the GPS time at the top.



Downloadable: the encrypted package is on the phone and opens in 6 minutes.



SS1 is open: Open the stage.

At the top is the **GPS time** with its accuracy, or the reason it is missing (no fix, old or inaccurate fix, simulated location, location not allowed) and a warning if the phone clock is ahead or behind. Then your events: race number, class, RoadBook or GPX and entry status.

Each stage has a status:

STATUS	WHAT IT MEANS
locked	with the reason: entry not accepted yet, no start time assigned, locked by the clerk of the course, your class does not run this stage
downloadable	the encrypted package is already on the phone (or downloads as soon as there is a network connection), but does not open yet

STATUS	WHAT IT MEANS
open	Open the stage is lit
closed	the stage is over: package and key have been removed from the phone, the replay remains

With the times in the event's time zone and a **countdown**: *downloadable in, opens in, start in, removed from the phone in*.

GPS time

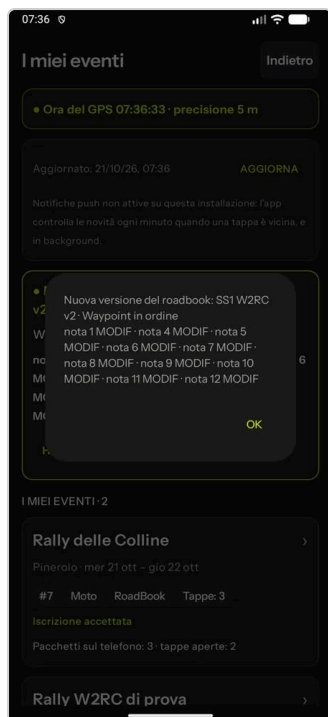
The stage opens only when the **GPS time** reaches the opening time (usually 20 minutes before your start), even **without a network connection**. The phone's time does not count: changing the clock opens nothing, and with a fake GPS app stages do not open. Before the start, keep the phone outdoors under a clear sky for a few seconds: the app gets a fix and the button lights up. If you try too early, the app tells you: "Too early: by the GPS time the stage opens in..."

Sync and notices

The app checks for news when you open My events, when the network comes back, every minute if a stage is close and in the background; with push notifications, where they are on, news arrives straight away. Expired packages, locked stages or events you have been removed from are deleted from the phone, with the reason.

Last-minute version

If the organiser corrects the roadbook, a notice arrives with the **reason** and the **changed notes** ("note 5 MODIF · note 9 NEW NOTE"); in the RoadBook the changed notes carry MODIF or NEW NOTE. If the stage is already open, the notice appears in the cockpit with **Apply now** or **Later**: when it is applied, odometer, partial, validated waypoints and stopwatch stay where they are.



A new version, with the changed notes.



During the stage: Apply now or Later.

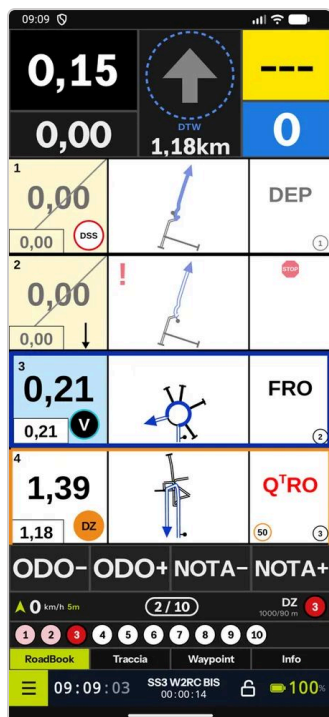


Retiring asks for two confirmations.

In the cockpit, during the stage

The stage roadbook is never written in clear on the phone: it is opened in memory. The arrow starts on the first waypoint to take; the data you send are signed by the phone. The cockpit applies the **stage rules** and those of **your class**: waypoint radii and penalties, zone alarm and tolerances, the class speed limit ("LIMIT 110 km/h"), race STOP, neutralisations with exit area and GO, off-course alarm if the organiser provides for it. The penalties you see in the Info panel are **indicative**: the service's calculation is what counts.

With the FIM W2RC 2027 regulations the app switches to **regulation mode**: the RoadBook is moved forward **by hand only** (automatic scrolling is off), no coordinates or remaining km on the screen, no map with the track (unless the organiser provides it), recalibration at waypoints, speed alarm and danger sounds locked as the regulations require. The **Info** panel says so, with the rules profile and the indicative penalties; the locked items appear in the settings with the reason.



A W2RC stage: the RoadBook is moved forward by hand.



The Info panel in regulation mode.



The menu: unlock code, scrolling not allowed.

A waypoint you cannot find

It depends on the race regulations:

- **forced opening allowed:** long press on the arrow; the arrow guides you, the WP counts as missed (with a single or double penalty, depending on the race);
- **unlock codes** (FIM W2RC 2027 regulations): ask race control for the code and enter it in **Unlock code (race direction)** (from the menu; on iPhone also with a long press on the arrow). The **WPM code** makes WPMs and WPSs visible (3 hours of penalty for the first three uses in the event, 6 hours from the fourth), the **emergency code** all waypoints (6 hours). A wrong code is rejected; unlocked WPs are validated by GPS;
- **not allowed:** the app does not offer opening and tells you so.



The code given by race control.



WPM code accepted.

LateNote

In a race the app **shows nothing** about the RoadBook falling behind: it only records LateNote episodes, which the organiser sees and, if they have decided so in the supplementary regulations, penalises. The rule is simple: **keep the RoadBook level with the road**, even when there is another rider or an obvious track ahead of you. The dangers are written in the notes, not on the wheel of the rider in front. The reason is explained in [Stage rules](#).

Live position and data

With a network connection the app sends your **position** to race control every 10–30 seconds; the **full track** is sent in batches every two minutes and in any case at the end of the stage. Without a network the data waits on the phone and is sent automatically. You can use **two devices** (main and backup) or change device during the stage: the service merges the tracks.

Retiring

From the cockpit menu, **RETIRE**: an optional reason and **two confirmations**. The retirement goes to race control with the stage data and navigation ends; it cannot be undone from the app, only the clerk of the course can correct it.

After the stage

At the end of the stage the summary gives you times, waypoints and speeding; the official results are published by the organiser. After 12 hours (or the times set for the event) package and key are deleted from the phone. Your replay stays in the app and in the Studio, and the other riders' replays can be seen according to the rule chosen by the organiser (see [Training and replay](#)).

If the organiser allows it (once the stage is closed or after the final results), you download your **PDF report**: times, KM EXTRA and KM CUT, off-course episodes, waypoints, stops and speeding, with the **race control decisions** (calculated and decided value, reason). **PDF report** is under the stage in My events and in the Replay list; it opens in the phone's viewer and can be shared. When it is not available yet, a line says why ("PDF report: available once the stage is closed"); if the organiser does not allow it, the button is not there. You will also find it in your personal area on the website, under **My races**.



PDF report under the stage.



The report, with the race control decisions.



Stage still open: the reason.

In your replay of the stage the **Decisions** tab lists the race control decisions that concern you, and a tap takes you to the spot (see Training and replay).

● THE RIDER APP

Training and replay

For the rider – training with the GPS or in simulation, the off-course alarm with the back-track arrow, the LateNote warning "CHECK THE ROADBOOK!", tutor groups and the replay of your own rides in the app.

You learn a roadbook by using it. The app lets you train as in a race, with a few extra aids that you do not get in a race, and then lets you review the ride to understand where you went wrong.

Training and Simulation

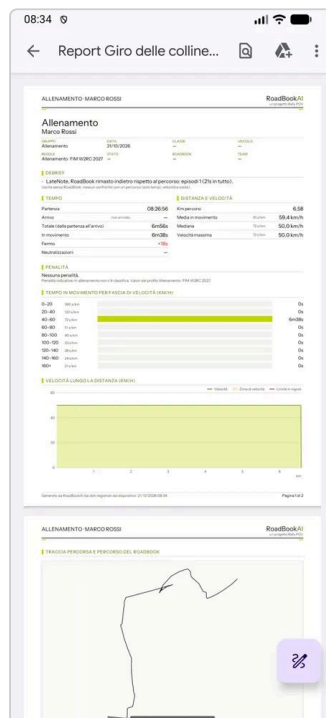
From the card of a roadbook:

- **Training:** you ride with the GPS, with the same cockpit and the same rules as in a race (radii, zones, race STOP, neutralisations). The penalties in the summary are **theoretical**: they have no consequences. On personal rides you can switch off the race rules one by one (Settings › Waypoints › Training); in a group the tutor chooses them.
- **Simulation:** a fake GPS travels along the track at the speed you choose (with the $\times 1... \times 8$ multiplier), to try out a roadbook at home or learn the controls. Simulated rides are marked as such and never count.

At the end of the ride the **summary** shows total and DSS–ASS time, km, waypoints validated, forced, skipped and missed, speeding in zones, LateNote episodes and theoretical penalties; the track can be exported as **GPX** from the **History**.



The end-of-ride summary.



The ride's PDF report.

Off course and back-track

If you take a wrong turn and move away from the course, the app counts the **km ridden off course** (beyond a distance from the track, **150 m** by default). First a discreet strip appears, "Off course · 0.42 km"; once the threshold is passed (**1 km** by default) the screen flashes **OFF COURSE**, with sound and vibration every 3 seconds.

- **SILENCE** stops the sound: a red strip remains with the km off course.
- **BACK-TRACK** opens an **arrow** that takes you back **along your own trail**, to the point where you left the track or to the last validated waypoint, with the metres to go. When you get there, the app announces it.
- Once you have been back on the track for a few seconds, "Back on course" appears.



The off-course alarm, with the tutor's settings.



The back-track arrow along your trail.

The alarm settings come from:

- **personal rides**: your own, in Settings > Track (on, km, metres, back-track);
- **training with a group**: the tutor's; if you are in several groups the app asks you at the start which one you are training for;
- **race stages**: the organiser's (often off in timed stages).

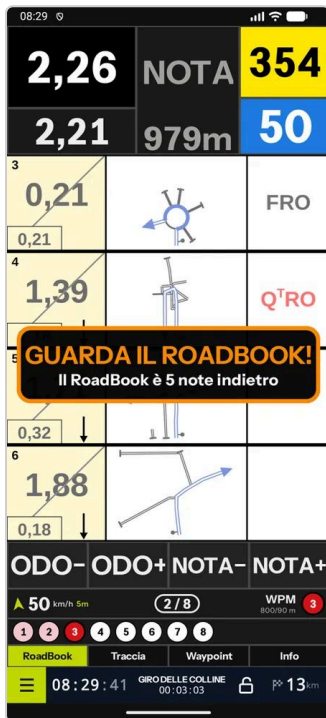
Off-course episodes and back-track go into the replay.

LateNote

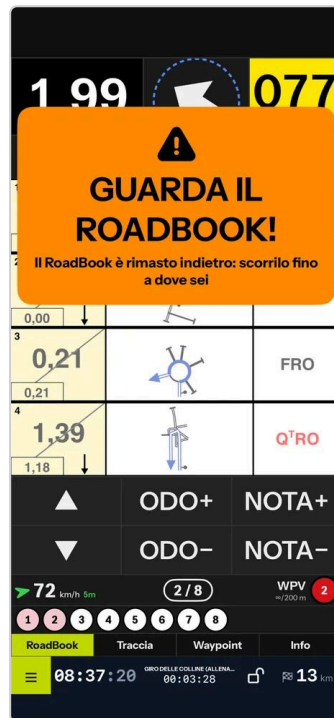
When you follow another rider, or a well-marked track on the ground, it is easy to stop reading the RoadBook. The RoadBook falls behind and, right in the section you are riding through, you do not read the notes that matter: a danger 3, a jump, a hole, a STOP. It is one of the most common causes of accidents in rally raids. Training to keep the RoadBook level is training for safety (and for fairness: in a race, a rider who follows exploits someone else's navigation).

In training, if the note shown in your RoadBook is more than **3 notes** behind the road you have ridden, for at least **5 seconds**, the screen flashes **CHECK THE ROADBOOK!** in orange with a sound and vibration, until you bring the RoadBook level again (with NOTE+, the remote control or your finger). Position is measured on the track, not on the odometer.

- The episode **counter** is in the **Info** panel and in the ride **summary**; the tutor sees the episodes in the group replay.
- **Threshold** and **hold time** are adjusted in the settings (Android: **Waypoints** tab, *Training* section; iPhone: **RoadBook** tab), or set by the tutor or the organiser; the warning can be **turned off**.
- It does not trigger with **automatic scrolling** on (there the RoadBook follows by itself), in **Rally GPS** mode, when you are off course and in neutralisations.



Android: CHECK THE ROADBOOK!



The same on iPhone.

A tip: train **without automatic scrolling** (cockpit menu, or the tutor turns it off for the group). In a race, under the FIM W2RC 2027 regulations, the RoadBook is moved forward by hand only: getting used to doing it in training, note after note, is the simplest way to always read the right note, and LateNote tells you straight away when you fall behind.

In a race there is no warning: episodes are only recorded (see [Racing with the app](#)).

Tutor groups

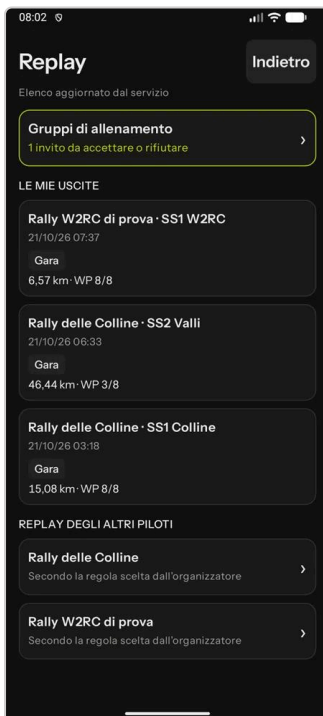
A tutor invites you into their **training group**: the invitation appears under **Groups** (with a green dot on the home screen). With **Accept** the tutor sees the **training** rides you make **from that moment on**: not races, not recces, not simulations and not the ones you hide. They can leave you comments on points of the track. **Leave the group** whenever you like: from then on the tutor sees nothing more, not even what you had shared manually.



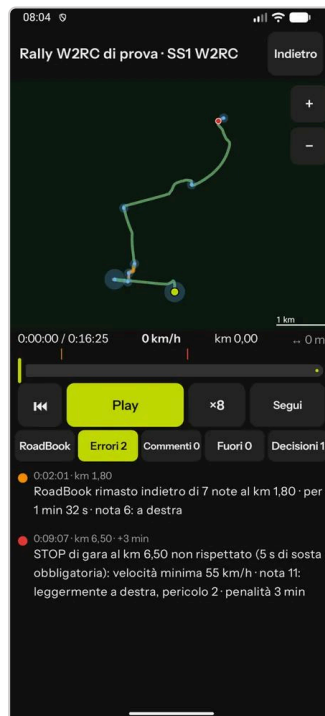
An invitation to accept.

The replay in the app

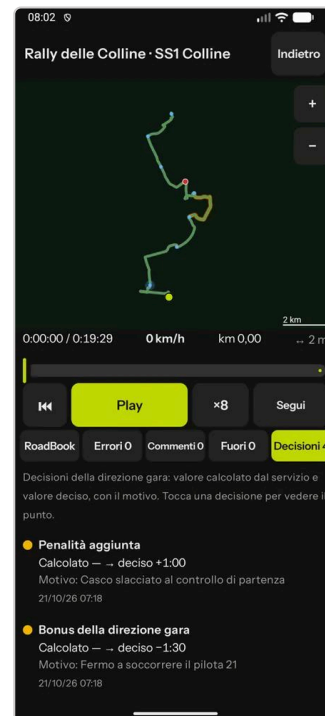
Replay on the home screen lists **my rides**: those on the service, with comments and the groups that can see them, and those **only on the phone** (not sent yet, without an account or simulated). For each one: **Open the replay**, **Share** with a group a ride made before you joined it, **Hide from tutors** or **Show to tutors**.



Replay: my rides and those of the others.



The player with the mistakes.



The race control decisions.

The **player** has the map with the correct track and your track in colour (green, orange, red, purple), off-course sections dashed, the waypoints with their radius and the STOPS; play and pause from ×1 to ×64, **Follow**, the time bar with its marks. The tabs:

- **RoadBook**: the note at the current position, moving with the replay (drawn as in the cockpit, if the roadbook is on the phone);
- **Mistakes**: each one explained and clickable, it takes you to the spot; if race control decided differently you see it next to it ("Decided: ... (calculated: ...)"), and a cancelled mistake is struck through;
- **Decisions** (only in race stages, if there are any): race control's decisions about you, with the calculated value and the decided one, the reason and the spot;
- **Comments**: the tutor's, and your **reply**, pinned to the point of the position;
- **Off**: the off-course episodes and the back-track.

Without a network the replay still opens: the ones already downloaded from the copy on the phone, those of rides not sent yet **computed on the phone** (with the main rules of the service's analysis).

Each ride also has its **PDF report** (in the app from the summary, the history and the Replay list, **Ride report PDF**, and in the Studio under **Replay › My rides**): times, KM EXTRA and KM CUT, off-course episodes, waypoints, stops and speeding, the same one the tutor prints for the debriefing. For your own rides it is always available; for those of a group, the tutor decides. It can be downloaded once the ride's data have reached the service: until then, a line says so.

For **events**, **Other riders' replays** shows the other riders' runs according to the organiser's rule: only your own, everyone's at the end of the event or everyone's with a few minutes' delay ("data up to...").

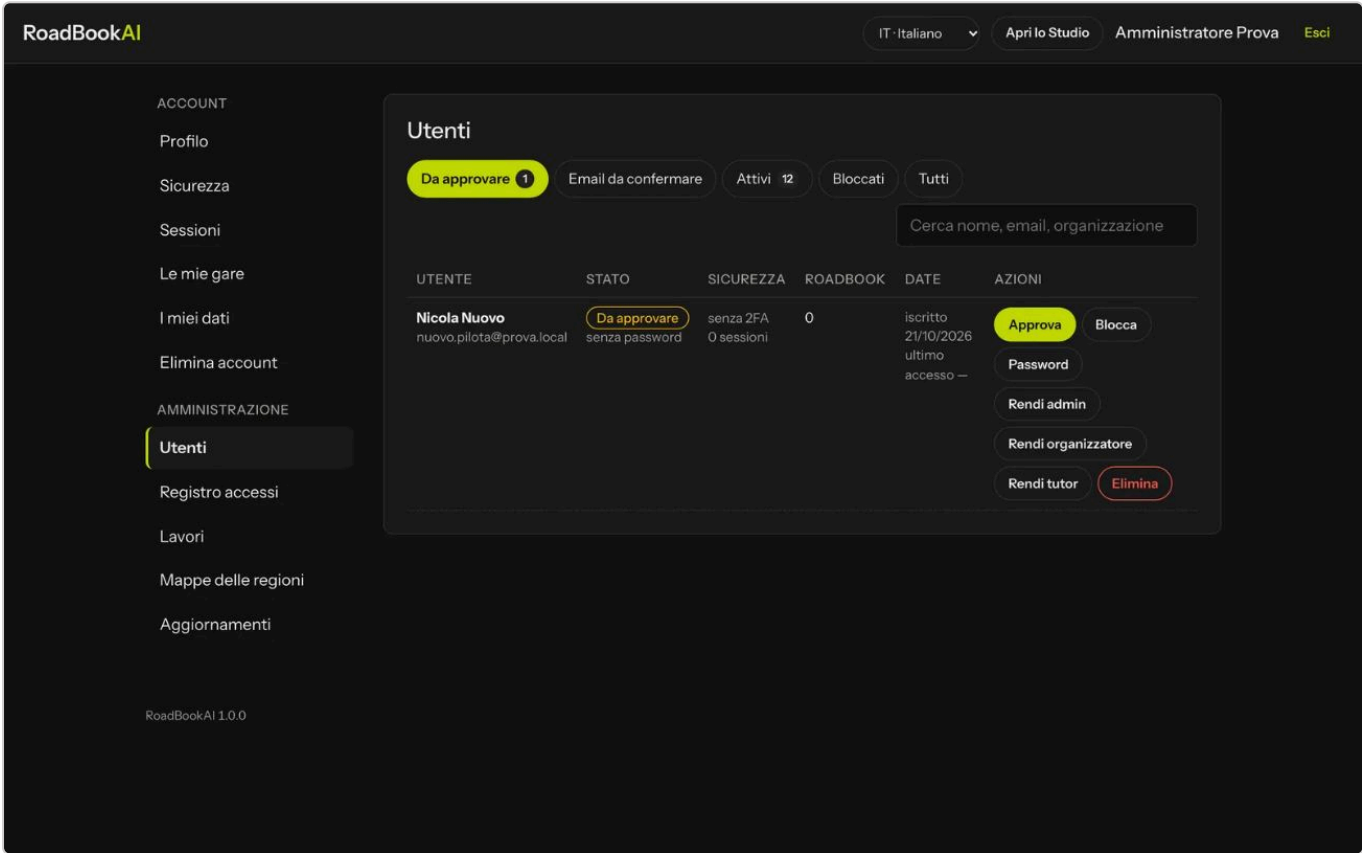
● ADMINISTRATION

Users and roles

For the administrator – approving sign-ups, blocking, resetting passwords and two-step verification, giving the organiser, tutor and administrator roles, the sign-in log and the moderation of public roadbooks.

Administration is the RoadBookAI back office: it opens from your name in the Studio bar (user area) and, for administrators, has the items **Users**, **Sign-in log**, **Jobs**, **Regional maps** and **Updates**. For administrators **two-step verification is mandatory**, in the app too.

Users



Users: sign-ups to approve are at the top.

The filters at the top: **To approve**, **Email to confirm**, **Active**, **Blocked**, **All**, plus search by name, email or organisation. Each row shows status, security (2FA on or not, open sessions), how many roadbooks they have, the dates of joining and of the last sign-in, and the actions:

ACTION	WHAT IT DOES
Approve	the account becomes active and the person receives an email
Block / Unblock	block signs them out straight away of all sessions and of the app; unblock reopens access

ACTION	WHAT IT DOES
Password	the current password stops working and a link (24 hours) arrives by email to choose a new one
Reset 2FA	for people who have lost both their phone and their recovery codes: check their identity first , for example with a phone call
Make admin / Make user	gives or removes the administrator role; at the next sign-in they will have to turn on two-step verification
Make organiser / Remove organiser	enables the creation of events (<u>Events and stages</u>)
Make tutor / Remove tutor	enables training groups (<u>Replay and tutor groups</u>)
Delete	permanently deletes the account and its roadbooks; to confirm, you type a word

The screenshot shows the 'Utenti' (Users) management page in RoadBookAI. The interface is in Italian. The top navigation bar includes 'RoadBookAI', a language dropdown set to 'IT - Italiano', and buttons for 'Apri lo Studio', 'Amministratore Prova', and 'Esci'. The left sidebar lists various account and administration options. The main content area shows a table of users with the following columns: UTENTE, STATO, SICUREZZA, ROADBOOK, DATE, and AZIONI. Three users are listed: 'Amministratore Prova' (ADMIN, Attivo, 2FA attiva, 0 roadbooks), 'Olivia Organizzatrice' (ORGANIZZATORE, Attivo, senza 2FA, 2 roadbooks), and 'Diego Direttore' (Attivo, senza 2FA, 0 roadbooks). Each user has a set of action buttons (Blocca, Password, Rendi admin, etc.).

The roles appear next to the name.

People who sign up on their own stay **to approve**. People who are on an event's list of entrants and confirm their email, on the other hand, are **activated without approval**: the organiser is a trusted role that you have enabled.

The administrator **does not see other users' roadbooks** unless they have been shared with them; in events they count as the organiser, for support.

Sign-in log

The last 300 events of all accounts: sign-ins (with or without two-step verification), failed attempts, password changes, administration actions, publications and reports, map downloads and updates, application updates. With IP address and device.

RoadBookAI

IT Italiano

Apri lo Studio

Amministratore Prova

Esci

ACCOUNT

Profilo

Sicurezza

Sessioni

Le mie gare

I miei dati

Elimina account

AMMINISTRAZIONE

Utenti

Registro accessi

Lavori

Mappe delle regioni

Aggiornamenti

Registro degli accessi (ultimi 300 eventi)

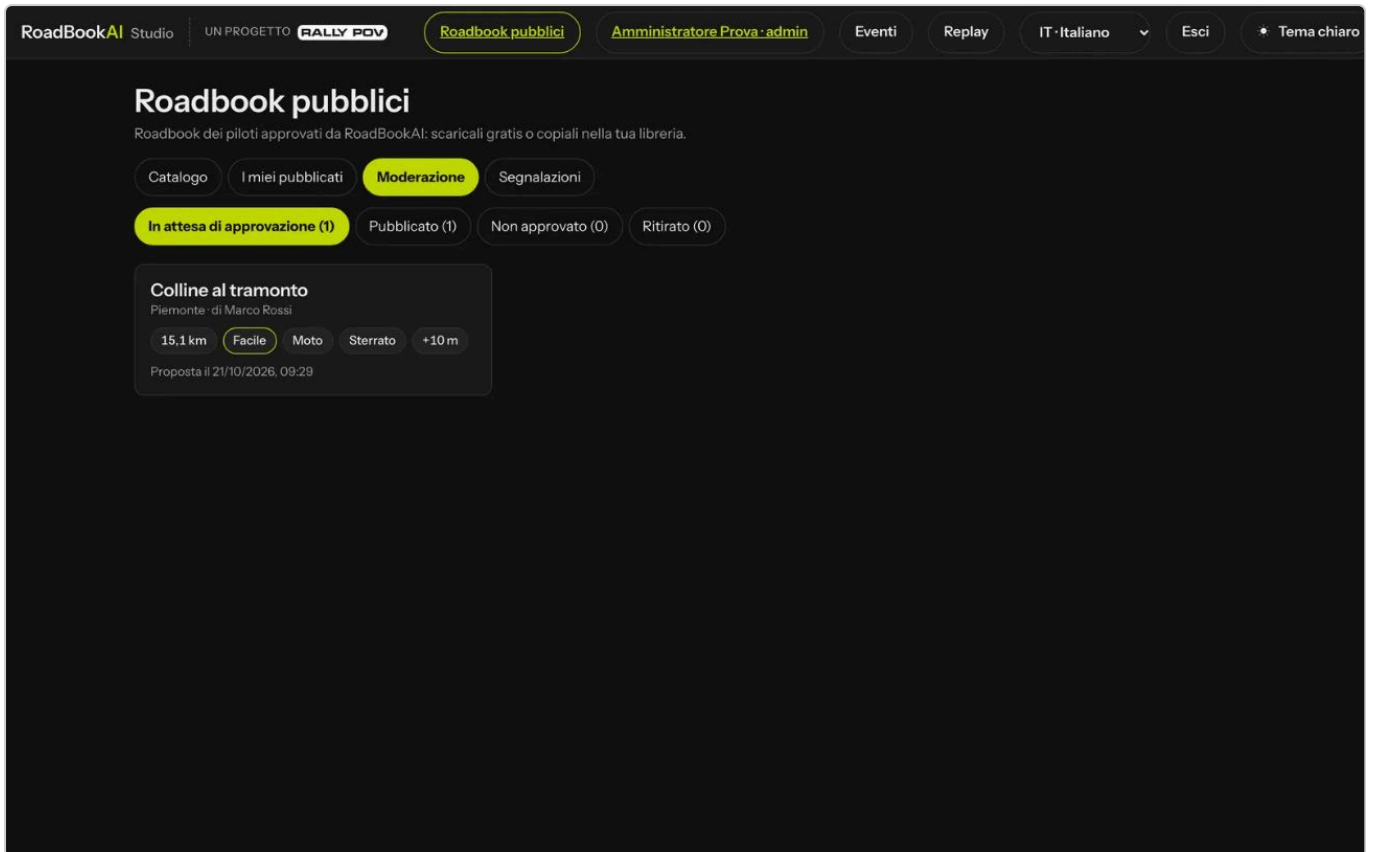
Se vedi qualcosa che non hai fatto tu, cambia la password e chiudi le altre sessioni.

QUANDO	UTENTE	EVENTO	DA
21/10/2026, 09:29	giulia@prova.local	Accesso con verifica in due passaggi	127.0.0.1 Dispositivo sconosciuto
21/10/2026, 09:29	marco@prova.local	Accesso con verifica in due passaggi	127.0.0.1 Dispositivo sconosciuto
21/10/2026, 09:29	tutor@prova.local	Accesso con verifica in due passaggi	127.0.0.1 Dispositivo sconosciuto
21/10/2026, 09:29	direttore@prova.local	Accesso con verifica in due passaggi	127.0.0.1 Dispositivo sconosciuto
21/10/2026, 09:29	ottavio@prova.local	Accesso con verifica in due passaggi	127.0.0.1 Dispositivo sconosciuto
21/10/2026, 09:29	organizzatore@prova.local	Accesso con verifica in due passaggi	127.0.0.1 Dispositivo sconosciuto
21/10/2026, 09:29	admin@prova.local	Accesso con verifica in due passaggi	127.0.0.1 Dispositivo sconosciuto
21/10/2026, 09:29	marco@prova.local	pubblico_segnalato pb_2bd18a3d35e7 pericolo #1	testclient testclient

The log: when, who, what and from where.

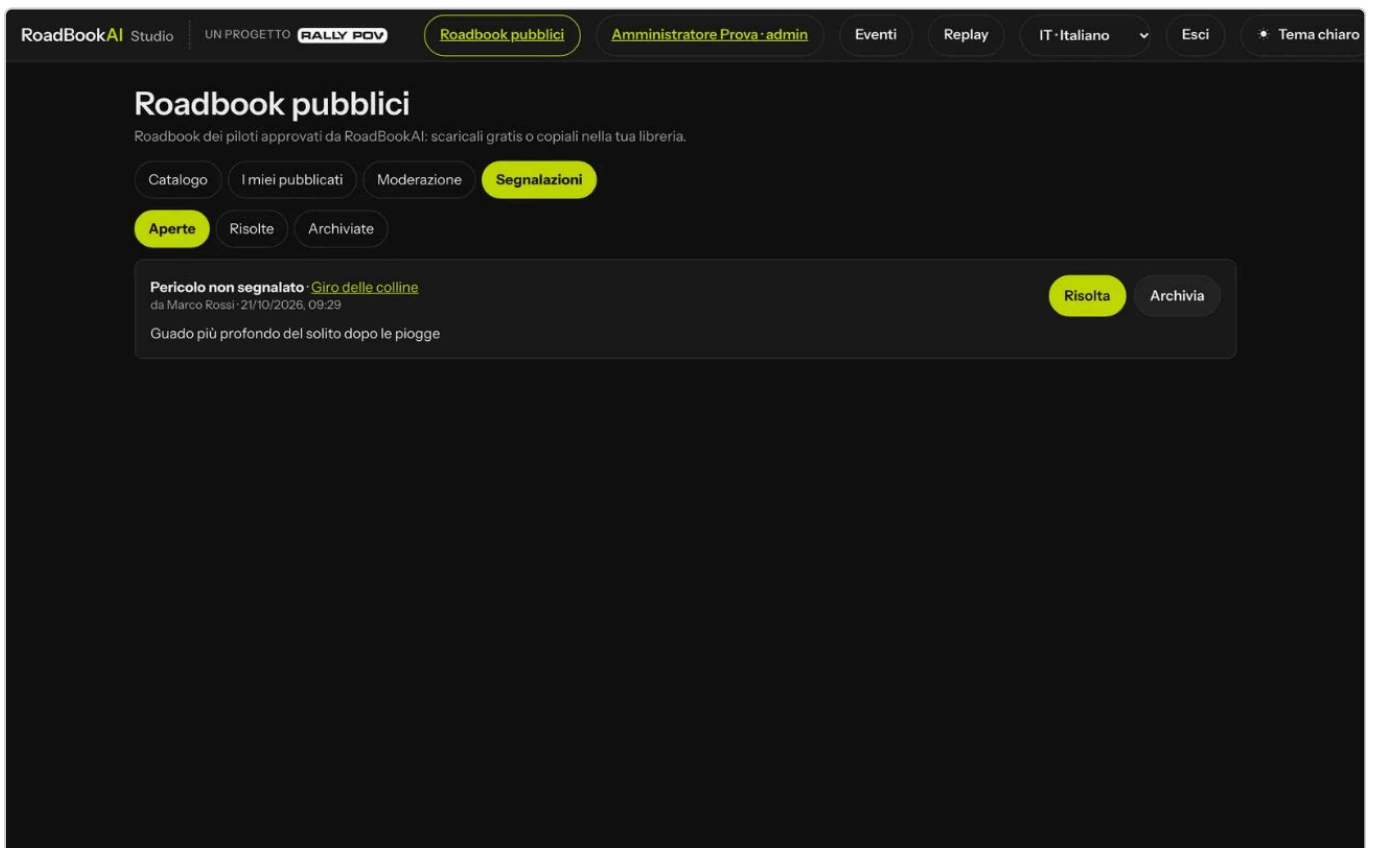
Public roadbooks: moderation and reports

In the Studio bar, **Public roadbooks > Moderation** collects the proposals by status: **Awaiting approval**, **Published**, **Not approved**, **Withdrawn**. The page of a proposal shows the map, the data calculated from the track, the description and the photos, with **Approve**, **Reject** (with the reason, which the author receives by email) and **Withdraw** (with the reason). Every new proposal also reaches the administrators by email.



A proposal awaiting approval.

Reports collects the problems reported by people using a public roadbook (danger not marked, no entry, road closed...): **Open**, **Resolved**, **Archived**; with **Resolved** or **Archive** you close it.



A report on a public roadbook.

Events: agreement, retention and disputes

- Every organiser accepts the **joint controllership agreement** when creating their first event (and again when the version changes); administrators are exempt, as they work for M@trix. An event can be assigned to another organiser only if they have accepted the version in force.
- Race data are deleted automatically **3 years** after the end of the event (a service job, once a day), with a notice email to the organiser 30 days before. The event, entrants, start times and classifications remain.
- If there is a protest, an appeal or a request from an authority, in the event's **General** tab you mark a **dispute in progress** with the reason: while it lasts, nothing is deleted. **Close the dispute** when it is resolved.
- As an administrator you can open any event (you count as the organiser, for support purposes) and export its data.

● ADMINISTRATION

Jobs, maps and updates

For the administrator – the job queue and its lanes, the regional maps on the server and the offline maps for riders, signed updates of the Studio and the back office with backup and automatic rollback.

This chapter is for whoever runs the RoadBookAI server: three administration pages keep the service fast and up to date without opening a terminal.

Queue jobs

Generating a roadbook, downloading a map, preparing offline maps: these are **jobs** that run in the background, each in its own **lane**, so a long job does not hold up the others.

LANE	WHAT RUNS IN IT	DEFAULT TIME LIMIT
Map on the server	generations that read the regional map already on the server: the fastest	30 minutes
Online download	generations that download the roads along the track	20 minutes
Regional map download	the download of a whole region	60 minutes
Tasks	offline maps, warnings for GPX navigation and other service jobs	360 minutes

RoadBookAI

IT - Italiano

Apri lo Studio

Amministratore Prova

Esci

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Profilo

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Sessioni

Le mie gare

I miei dati

Elimina account

AMMINISTRAZIONE

Utenti

Registro accessi

Lavori

Mappe delle regioni

Aggiornamenti

Lavori della coda

Ogni lavoro gira in una corsia: le generazioni con la mappa della regione sul server non aspettano mai quelle che scaricano le strade online. La pagina si aggiorna da sola.

Mappa sul server

0/2 in corso · 0 in attesa · limite 30 min

Scarico online

0/1 in corso · 0 in attesa · limite 20 min

Scarico della mappa della regione

0/1 in corso · 0 in attesa · limite 60 min

Compiti

0/1 in corso · 0 in attesa · limite 360 min

☐ Mostra anche quelli finiti da più di 6 ore

Svuota la coda

Nessun lavoro nelle ultime ore.

RoadBookAI 1.0.0

Each lane shows how many jobs are running, how many are waiting and the time limit.

The list shows each job with lane, status (queued, running, finished, error, cancelled) and duration; the page refreshes by itself. **Cancel** stops a job and frees its place straight away; **Empty the queue** cancels all waiting jobs and stops running ones (whoever requested them sees "Job cancelled by the administrator"). Someone generating a roadbook sees in the progress bar how many jobs are ahead of them and the estimated wait, and can cancel their own.

Regional maps

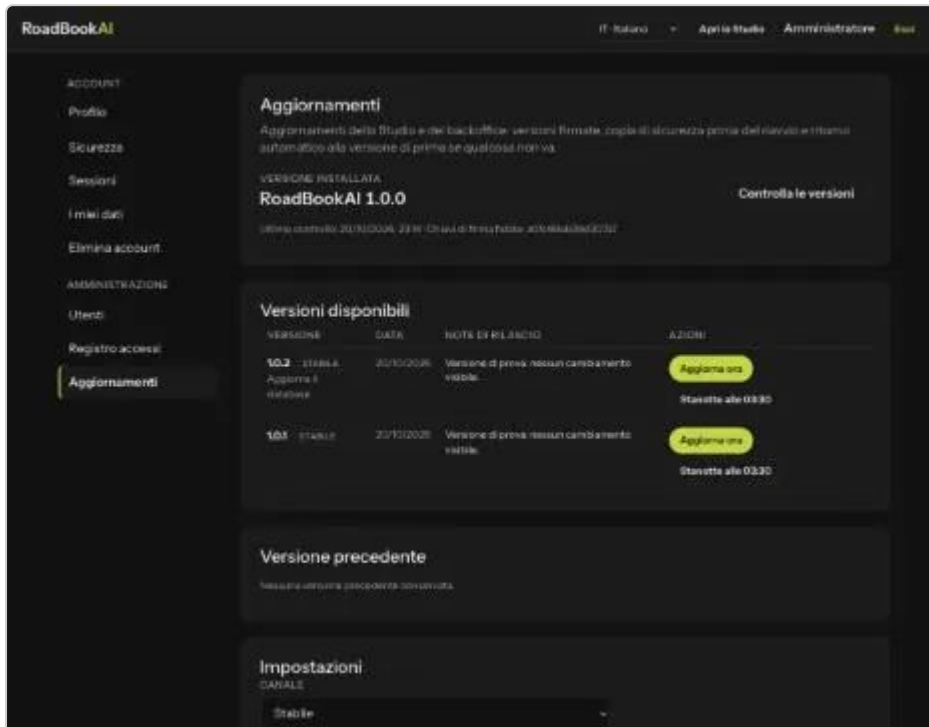
With the **regional map on the server** a roadbook is generated in a few minutes instead of hours, and without depending on online map services. Here you choose the regions to keep, update them and prepare the offline maps for riders.

Coverage of the regions on the server and disk space.

- **Coverage:** the map with the regions present and the free disk space.
- **Regions on the server:** size, date of the data, status of the offline maps; **Update** (or **Update all**) downloads again only the ones that have changed, **Delete** frees up space.
- **Add regions:** from the catalogue by continent and country; for large countries it is better to choose the subregions (a smaller file is read faster). Downloads run **one at a time**, in the order you request them, after the disk space check.
- **Preload Europe + Morocco + Tunisia:** all European countries, Morocco and Tunisia, split into subregions, about 33 GB in about 190 files; regions already present are not downloaded again.
- **Automatic update:** checks and updates all regions every N days.
- **Offline maps:** for each region **Generate** (or **Regenerate**, when the region is newer) the vector maps that the apps download for GPX navigation. The offline map generator is activated once on the server, as explained in the installation instructions.

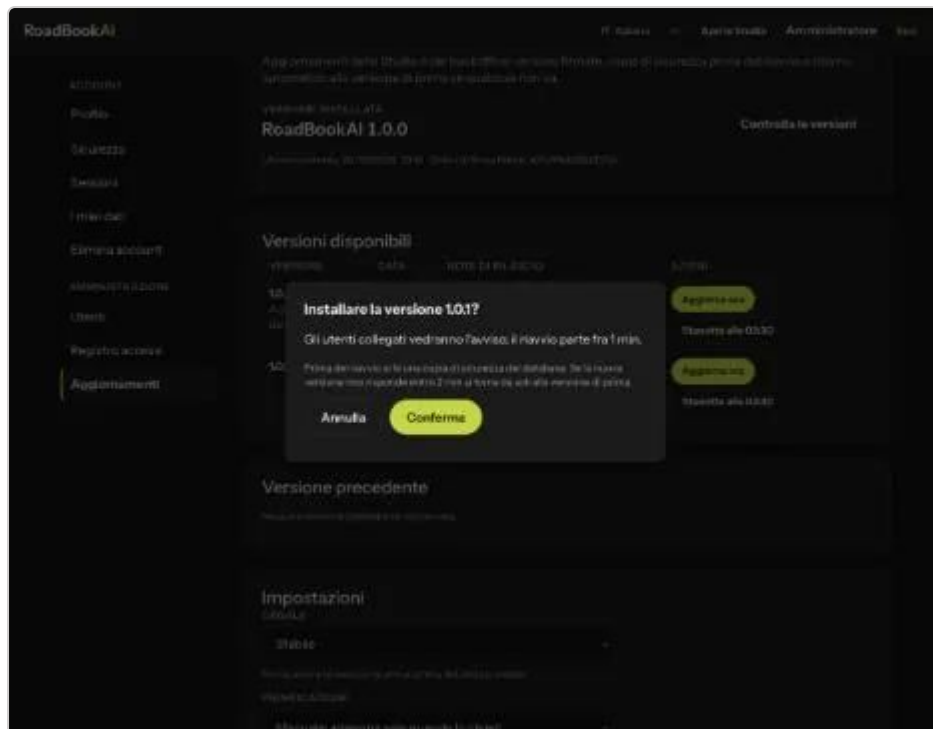
Updates

RoadBookAI is updated **from the back office**, without a terminal. Every version is signed at the source; the server downloads it, **verifies** it, takes a **backup** of the database and restarts the Studio with the new version. If the new version does not respond within a few minutes, it **goes back to the previous one by itself**.

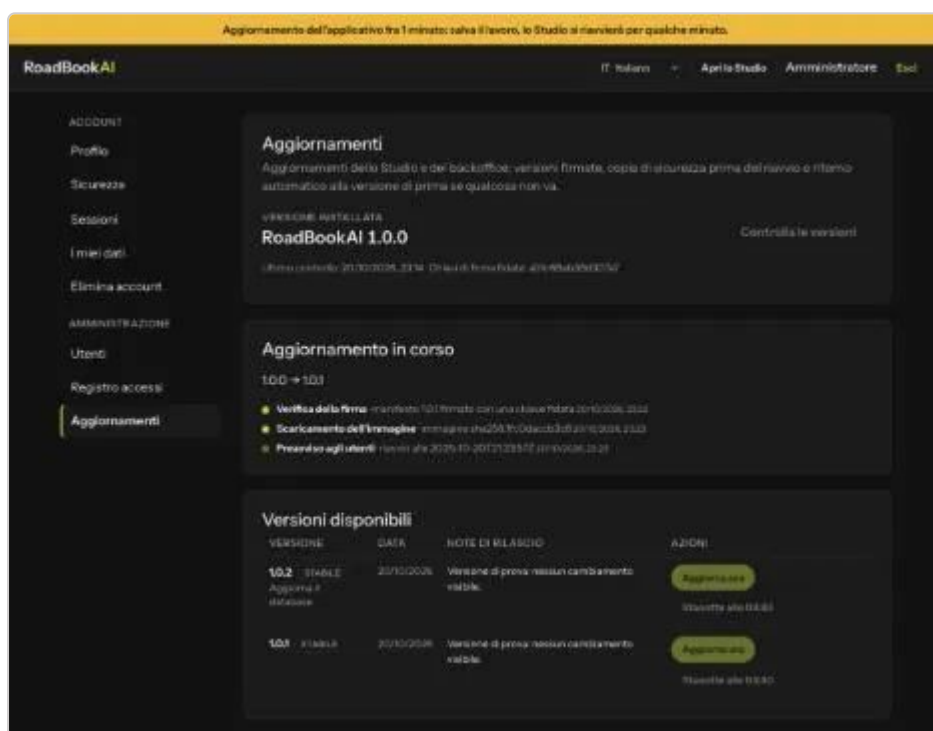


The installed version, the available versions with their release notes, the settings.

1. **Check versions:** the versions available in the chosen **channel** appear (*Stable*, or *Test* to see test versions too), with date and release notes. Those that cannot be installed say why (not newer, an intermediate version is needed first); those with an invalid signature or manifest end up among the **discarded** ones.
2. **Update now** or **Tonight at....**: signed-in users see a notice at the top of the Studio with the minutes remaining.
3. During the update the page shows the steps in real time: signature check, download, notice to users, race check, stop, backup, start, health check, database migrations, completed.



Before confirming: notice, backup and automatic rollback.



The steps in real time and the notice at the top of the Studio.

Race stage in progress: while a race stage is open for at least one entrant (or live positions are arriving), updates are **blocked**: the page lists the stages and until what time. They can be forced only with an explicit choice.

Go back to the previous version restarts the previous version, after a new backup; if you choose to restore the database too, the data entered after the update is lost (the page asks you explicitly).

Install from a package: without a version registry, you upload the `.tar.gz` package with its signed manifest; they are verified before installation.

In **Settings** you choose channel, schedule (*manual* or *at night*, with the time), minutes of notice and of health wait. The **History** keeps every update with its result, who requested it and the steps. Every action also stays in the sign-in log. The page and its actions are for administrators with two-step verification only.

The backup includes the database, the local key and the configuration: the roadbooks on disk are not touched by the update. The installation instructions also explain how to restore by hand.

A-to-B routes

Offroad routing – start, finish, via points, vehicle profile and offroad slider. Coming soon to the Studio.

Coming soon to the Studio. Route calculation already works on the server; the page in the Studio, with the map for placing points and the slider, is on its way. This chapter describes what the engine does.

From a **start**, a **finish** and any **via points**, RoadBookAI calculates one or more routes on the roads and tracks of the map, with a vehicle profile and a "how much offroad" slider. The chosen route becomes a GPX and, on request, a complete roadbook made with the same engine as always.

Profiles

PROFILE	FOR WHOM	SURFACE
Enduro	enduro bikes	all tracks; default offroad 0.7
Adventure	adventure bikes	hard tracks and very poor surfaces avoided; default offroad 0.3
SSV	cars or 4x4 SSVs	hard tracks allowed but discouraged; default offroad 0.6

The offroad slider

It goes from **0** (prefers asphalt) to **1** (looks for as much dirt as possible). For example, in the Valle Varaita, from Saluzzo to Sampeyre on an enduro, the share of dirt road goes from 0 % with the slider at 0 to 13 % at 0.5 and 52 % at 0.8.

The route never exceeds **twice the km** of the fastest route: if it would need more, the slider is lowered and the summary says so.

Other choices

- **Via points**, in order (up to 25).
- **Alternatives**: from 1 to 5; those that are too similar (more than 60 % of the km in common) are discarded.
- **Motorways and expressways**: avoided by default for enduro and SSV; they can be allowed or excluded.

What you get

For each alternative:

- the GPX with altitude;
- a summary: total km, km of asphalt, dirt road, track and unverified, km by road type, elevation gain and loss, estimated time, any prohibited sections;

- a map with each section coloured by surface;
- on request, the **complete roadbook** (JSON, RN2, OpenRally, PDF) generated from the route.

Restrictions

The route never uses roads that the map closes to motor vehicles or to the chosen vehicle (for example no motorcycles, private, agricultural or forestry access): RoadBookAI rechecks every road used and, if it finds a restriction, excludes it and recalculates. Footpaths and mule tracks are always excluded.

Local orders, closures and regional laws are not on the map: the route is confirmed on a recce.

Regions

The calculation works on regions prepared in advance on the server from a regional extract of the map (for example north-west Italy or Morocco). If a point falls outside the prepared region, a message tells you which point and why.

● REFERENCE

Icon lexicon

The 133 RoadBookAI icons, equivalent to the FIA roadbook lexicon, with their English name and FIA name.

RoadBookAI uses an **icon set of its own**, drawn by us as vectors (144 × 144) and equivalent to the FIA roadbook lexicon. The same icons appear in the Studio's RoadBook, in the palette of the drawing editor, in the PDF and in the app.

Icons marked **RB** are exclusive to RoadBookAI: in the RN2 they travel with their drawing embedded. The others become the corresponding standard icon. CAP, dangers, waypoints and controls are not placed by hand: they are values of the note, chosen from the inspector, and in the RN2 they become the corresponding fields.

The annotations

Alongside the icons, the annotation column uses the words of the lexicon:

WORD	MEANING
RO / PP	asphalt road / main track
FRO / FPP	follow the asphalt road / the main track: on long straights and when you come from off-road onto a road or track
Q ^r (in red)	leave the road you are following: Q ^r RO leaves the asphalt road with a turn, Q ^r PP leaves the main track
IN PP / Q ^r RO IN PP	join the main track: without a turn when the road turns into dirt, with a turn when you leave the asphalt
HP / END HP	start and end of off-track
ET à X m	"and then", after X metres: two nearby events in the same note
/5km	repetition: for how many km the instruction applies (for example FPP /5km)
kpL / kpR	keep left / keep right
DEP / ARR	departure and arrival
BIG / SMALL / FOLLOW	big, small, follow, together with a landmark

The icons

Tracks and surface(14)



and then
(ET)
And / next
(ET)



faint
Less visible



follow the
main track
Follow
principal track
/ piste



follow the
road
Follow road



gravel
Gravel



leave (Q^T)
Quit / leave



main track
Principal track
/ piste



narrow
Narrow



off-track
(HP)
Off track (HP)



off-track
forbidden
Off track
forbidden



parallel track
Parallel track /
piste



road
Road



sandy
Sandy



track
Track / Piste

CAP(4)



average CAP
(A)
Average cap



calculated
CAP (C, HP
only)
Calculated cap
(only HP)



exit CAP
Exit cap



turning CAP
(OBLIC)
Cap that turns
(OBLIC)

Dangers, zones and signs(10)



danger 1
Danger level 1



danger 2
Danger level 2



danger 3
Danger level 3



danger in the note
Global danger in the note



end of speed zone (FZ)
Finish speed limit (FZ)



important
Important



race STOP
Race STOP (compulsory stop checked by GPS)
Race STOP: compulsory stop for the seconds written in the note (3 s if not given), checked by GPS; penalty if not respected.



speed limit
Speed limit



start of speed zone (DZ)
Start speed limit (DZ)



stop
Stop
STOP: road sign, for information only (not checked).

Waypoints(8)



control waypoint (WPC)
Control WP



eclipse waypoint (WPE)
Eclipse WP



masked waypoint (WPM)
Masked WP



navigation waypoint (WPN)
Navigation WP



precise waypoint (WPP)
Precise WP



safety waypoint (WPS)
Security WP



**visible
waypoint
(WPV)**
Visible WP



**waypoint
number**
Waypoint
number

Controls and sections(14)



assistance
Assistance /
service



**end of
neutralisation
(FN)**
Finish
neutralisation



**end of
selective
section (ASS)**
Arrival selective
section



**end of
transfer
(FT)**
Finish transfer



end of zone
End zone

T:25

**maximum
neutralisation
time**
Neut./transfer
max time
allowed



**passage
control (CP)**
Check point



**refuelling
zone**
Fuel zone



**start of
neutralisation
(DN)**
Start
neutralisation



**start of
selective
section
(DSS)**
Start selective
section



**start of
transfer
(DT)**
Start transfer



**stop for
restart**
Stop for restart

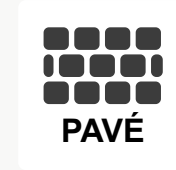
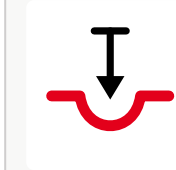
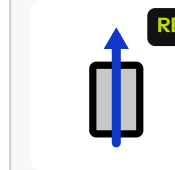
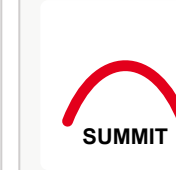
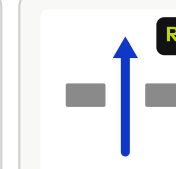
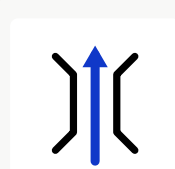
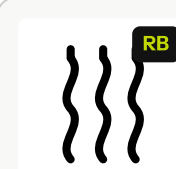
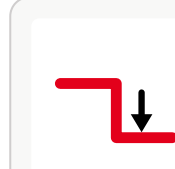
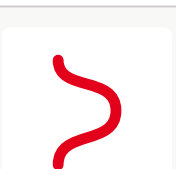
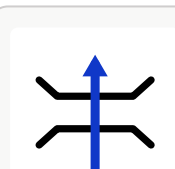


**time control
(CH)**
Time control
(CH)



**waiting for
restart**
Waiting for
restart

On the track(21)

 bump Bump	 bumpy Bumpy	 cobbles Pavé / cobbles	 compression Compression	 concrete crossing Concrete pass	 crest / blind summit Summit
 dip Dip hole	 ditch Ditch	 downhill Down hill	 ford Wading / water crossing	 gate in a fence Fence gate	 gate in a wall Wall gate
 hole Hole	 over the bridge Above bridge	 ruts Ruts	 side slope Lateral inclination	 step down Step down	 step up Step up
 twisty Twisty / sinuous	 under the bridge Under bridge	 uphill Up hill			

Desert(11)



bowl
(cuvette)
Big bowl
(cuvette)



dune
Dune



dunes
Dunes



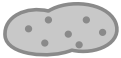
L1
dunes
difficulty 1
(L1)
Dunes
difficulty level 1



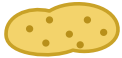
L2
dunes
difficulty 2
(L2)
Dunes
difficulty level 2



L3
dunes
difficulty 3
(L3)
Dunes
difficulty level 3



plain / chott
Plain / chott



sandy plain
Sandy plain



sandy wadi
Sandy wadi



DNT
small dune
Small dune
(dunette)



wadi (oued)
Wadi

Landmarks(51)



animals
(such as the
cow)
Animals



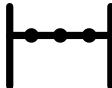
antenna
Antenna



barbed wire
Barbed fence



barrels
Barrels



barrier
Gate (barrier)



bivouac
Bivouac



cairn
Cairn



camel grass
Camel grass



camp
Native / local
camp



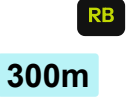
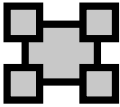
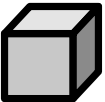
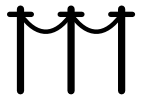
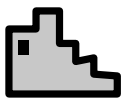
cemetery
Cemetery

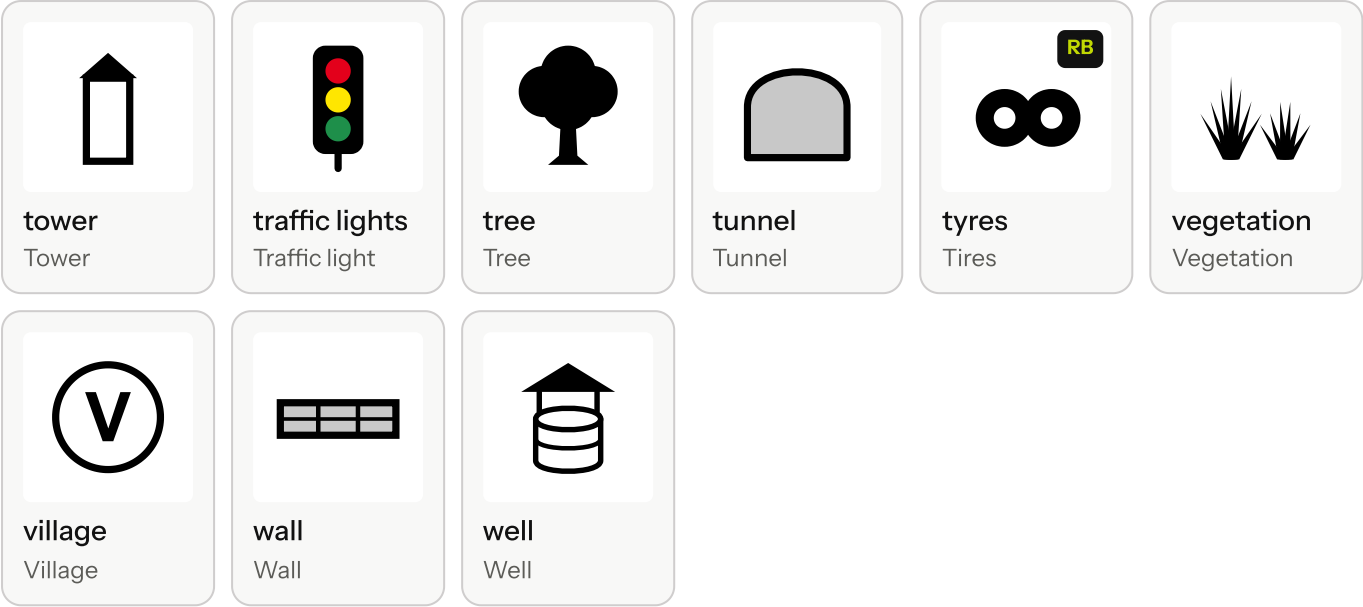


church /
mosque
Church /
mosque

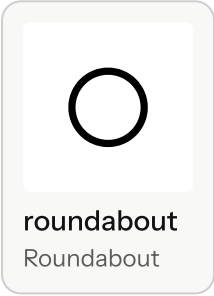


cow
Animals
individual
(cow)

 direction Towards / direction	 distance Distance	 electricity pole Electric pole	 fence Fence	 fort / castle Fort / castle	 give way Give way
 high-voltage pylon High voltage tower	 horse Animals individual (horse)	 houses Buildings / houses	 lake / puddle Lake / puddle	 landmark Notable elements	 large wadi Large wadi
 monument Monument	 mountain Mountain	 palm tree Palm tree	 petrol station Petrol station	 pipeline Pipeline	 post Post
 power line Electric line	 protected area Restricted / protected area	 railway Rail road	 reset the partial Reset / recal trip	 river / water River (water)	 roadworks Road works
 rocks Rocks	 ruins / abandoned Ruin / abandoned	 signposts Sign posts	 slope Slope	 small wadi Small wadi	 tanks Tanks



Note drawing(1)



● REFERENCE

FIM rules in brief

Waypoints and radii, DZ-FZ speed zones, neutralisations, unlocks, maximum time and race STOP under the FIM W2RC 2027 regulations, as RoadBookAI uses them.

RoadBookAI takes the **FIM W2RC 2027** rules (the rally raid world championship) as its reference: the waypoint table (Art. 11.2), safety waypoints on dangers (Art. 11.4), unlocks (Art. 11.5), speed zones (Art. 16), neutralisations and liaisons (Art. 15), passage controls (Art. 22), the starting order (Art. 17), maximum time and abandons (Art. 17.8, 21) and the fixed penalty FP (Art. 24). This is a practical summary: for each event the organiser's choices also apply, and the organiser may redefine radii and penalties in the supplementary regulations or on the first page of each day's roadbook. In the Studio these values are the **FIM W2RC 2027** profile, the default for race stages.

Two radii for every waypoint

- **Opening radius:** on entering this circle, the rider's instrument shows the direction and distance of the waypoint. Some waypoints have no guidance.
- **Validation radius:** the passage is valid only within this circle. Missing the waypoint costs the stated penalty.

Some waypoints open only **after the previous one has been validated**, or within 1000 m if the previous one was missed.

The types

TYPE	NAME	OPENING	VALIDATION	PENALTY
 WPV	visible	always	200 m	15 min
 WPE	eclipse	1000 m, after the previous one	90 m	15 min
 WPM	masked	800 m	90 m	15 min
 WPS	safety	1000 m	30 m	15 min
 WPC	control	no guidance	300 m	15 min
 WPP	precise	100 m, no guidance	20 m	2 min
 WPN	navigation	800 m	200 m	60 min
 CP	passage control	1000 m, after the previous one	90 m	120 min
 DSS	start of selective section	1000 m, after the previous one	200 m	stage
 ASS	finish of selective section	800 m	90 m	stage

TYPE	NAME	OPENING	VALIDATION	PENALTY
DZ	start of speed zone	1000 m, after the previous one	90 m	15 min
FZ	end of speed zone	1000 m, after the previous one	90 m	15 min
DN / FN	start / end of neutralisation	1000 m, after the previous one	90 m	stage
DT / FT	start / end of liaison	1000 m, after the previous one	90 m	stage

The colours are the ones the Studio uses for each type, the same on the map, in the RoadBook and in the inspector. "Stage" means that the penalty is decided by the organiser in the event regulations.

Speed zones (DZ–FZ)

Between a **DZ** and its **FZ** there is a speed limit, stated on the DZ (in the Studio, the waypoint's *Speed* field).

- The rider's instrument must sound the alarm **5 km/h below the limit**.
- There is a **90 m tolerance** after the DZ and before the FZ.
- Speeding is counted in **pulses**, one for every **150 m** or **10 seconds** over the limit; each pulse is worth according to the excess at that moment: **10 s** from 1 to 5 km/h, **1 minute** from 6 to 15, **2 minutes** from 16 to 40, **6 minutes** over 40.
- Classes can have a **category speed** (for example 160 or 130 km/h): from the second pulse, 1 minute per pulse. In liaisons the limit applies over the whole section.
- In the PDF and in the RoadBook the zone is **framed** between DZ and FZ.

Neutralisations and liaisons

Between **DN** and **FN** time is neutralised for the **scheduled duration**, written in the roadbook. The rider enters the **exit area** (the FN radius) only in the last minute and sets off again at zero. An **early exit** costs 1, 2 and then 5 minutes, counted over the whole event. Between **DT** and **FT** you are on a liaison, with the time imposed from the DT: lateness and early arrival are treated as in a neutralisation. These waypoints can also have a speed.

Waypoints you cannot find: unlocks

The regulations do not provide for the free opening of a waypoint: a rider who cannot find it asks race control for an **unlock code**: the WPM code makes WPMs and WPSs visible (3 hours of penalty for the first three uses in the event, 6 hours from the fourth), or the rider uses the **emergency code** (6 hours). In other races the organiser can allow forced opening with a single or double penalty. See [Stage rules](#).

Maximum time, retirements and abandons

Riders who exceed the maximum time get the maximum time plus the **fixed penalty FP**, whose value is given by the event's supplementary regulations (in hours); a rider who has retired gets the maximum time plus 3 hours and the stage penalty, one who did not start plus 6 hours and the stage penalty, plus the value

of the waypoints not validated. Riders who validate **fewer than 70 % of the waypoints** of the selective section have abandoned: they are classified as retired. A missed CP costs 120 minutes.

Starts and starting order

At the start, an early start costs 1 minute; staying stopped on the line for more than 30 seconds after the signal costs 2 minutes; lateness at the start control costs 1 minute per minute, and beyond 30 minutes (60 if the supplementary regulations say so) the start is refused. The starting order follows Art. 17: the first ten every 3 minutes, the next ten every 2, then one a minute; at the prologue by category, at the first stage list N from the prologue, then the previous day's results. The Studio has a generator for it (see [Entrants, start times and unlocking](#)).

The RoadBook in the race

Under the regulations the RoadBook is moved forward **by hand**: with the FIM W2RC 2027 profile the app has no automatic scrolling, shows no coordinates or remaining km, and locks the settings that the regulations decide (see [regulation mode](#)). The day's PDF opens with the table of radii and penalties and the list of waypoints.

LateNote, the check on the RoadBook falling behind, **is not in the FIM regulations**: when an organiser penalises it, it is a rule of their supplementary regulations.

STOP and race STOP

The roadbook has two different signs:

- **STOP** (red octagon): the road sign. It is **for information only**: it tells the rider there is a STOP, but it does not oblige anything and it is not checked.
- **Race STOP** (red disc with a stopwatch): a **compulsory stop** for a number of seconds written in the note (for example "STOP 3s"; 3 seconds if not given). The official race calculation **checks it with the GPS**: the rider must stay below 2 km/h inside the STOP radius (30 m by default) for at least that long, otherwise they get the penalty set in the stage rules (3 minutes by default). Radius, stop and penalty can be changed for each stage.

In the Studio a race STOP is added from the note inspector (*Race STOP* and the seconds) or from the palette of the drawing editor. Older roadbooks have no race STOPs. In RN2 the icon travels as a custom icon; the apps receive the race STOPs with their duration in the stage package.

Dangers

The roadbook marks three levels of danger with one, two or three red exclamation marks. In the PDF, the km of the dangerous note is underlined and the page footer shows "Next" and "Danger". The rules require a safety waypoint (WPS) on level 3 dangers (Art. 11.4): in the Studio, a danger 3 without a waypoint produces a warning in the inspector.

Training profile

For training, RoadBookAI offers the **Training** profile: the same types, validation radii 50 % wider and no penalties; the race rules (speed bands, race STOP, early exit, 70 % threshold, unlocks) are off and the organiser or the tutor switches them on one by one. See [FIM waypoints and radii](#) and [Organiser profiles](#).

FAQ

Short answers to the most common questions about RoadBookAI, the Studio, the map, the AI, exports and access.

Can the generated roadbook be used in a race as it is?

The generated roadbook is the starting point: you review it in the Studio and, like any roadbook, you confirm it on the ground. The map knows nothing about local orders, closures and temporary bans: the *recce* completes the job.

Is my track modified?

Never. The GPX stays identical, point by point: it is not moved or snapped to the roads. Even the drawing editor only changes the note drawing, not the track or the km.

Why is a road that exists missing from a note drawing?

Because it is not on the map, or it is not inside the frame of about 200 × 155 m around the note. RoadBookAI does not invent roads: you can add it by hand in a few seconds with the [drawing editor](#).

How many notes should I choose?

Standard for most roadbooks: about 2 notes per km, as if drawn by hand. *Detailed* if you want a note at every junction (about 4 per km), *Essential* for a lean, Dakar-style roadbook (about 1 per km) with nearby events merged into "ET à X m". See [Which one to choose](#).

Why isn't there a CAP on every note?

With the *Standard* choice, the CAP appears only where it helps: start of an off-track section, exit onto a faint track, complex forks. Never on asphalt or in a village. You can add it from the inspector, or choose *Essential* (CAP on every note).

I rejected a note by mistake.

Rejecting does not delete: the note is at the bottom of the RoadBook, in the *Rejected* section. Select it and press ↺ **Restore** (or the R key).

I closed my browser halfway through a review: have I lost my work?

No: the draft is saved with every action. Reopen the roadbook from the library and carry on.

What does the artificial intelligence do, and what doesn't it do?

The engine that draws the notes follows explicit rules based on the track and the map: every note states its source, confidence and reason. RoadBookAI's artificial intelligence steps in during a *recce*, to read the transcriptions of voice notes and propose what to do with them. No proposal enters the roadbook without your "Accept".

Are my voice notes sent anywhere?

The audio is not: transcription takes place on our server. For interpretation, only the text reaches the artificial intelligence service. Details on the [Privacy](#) page.

Which programs open the exported files?

RN2 opens in the roadbook apps and software that read this format, the most widely used; OpenRally GPX in the navigation apps that read that format; the PDF is printed on A4; the RoadBookAI file with the [RoadBookAI app](#) for Android and iOS. See [Export](#).

Can I edit the RN2 in another program and then bring it back into the Studio?

The Studio exports RN2 but does not re-import it as a roadbook to review. Our advice: make your corrections in the Studio, where versions and history are kept, and leave any finishing touches in other programs as the last step.

Does it work outside Italy?

Yes, wherever the map has data: RoadBookAI has already worked on tracks in Italy, the Netherlands, France, Belgium, Germany, Lithuania, Poland, Latvia and Morocco. The system picks up the roads of the area by itself, even for long stages.

How much does it cost and how do I get access?

Access to the Studio is by invitation: from the [Request access](#) page you can ask for an invitation and the terms.

Does the Studio work on a phone?

The Studio is designed for a computer: map, RoadBook and inspector side by side. On your navigation device you use the [RoadBookAI app](#), for Android and for iPhone and iPad.

Does the app work offline?

Yes. Downloaded roadbooks, navigation, waypoints, alarms, the offline map and recording all work offline. Race stages also open at the right time without a network connection, using GPS time. Ride data waits on the phone and is sent automatically when the network comes back.

Who sees my race and training data?

Race stages are seen by the event organiser and their team; the public results show only name (or initials), number, class and team. Training rides are seen by the tutor of the groups you have joined, from when you joined, except the ones you hide. Without an account the data stays on the phone. See [Training and replay](#).

Who decides the results: the app or the service?

The service. The app helps you navigate and records the track; waypoints, speed, race STOPS and times are recalculated on the service from the track, with the stage rules. The penalties you see in the app are indicative. See [Stage rules](#).

Why does the app tell me "CHECK THE ROADBOOK!"?

Because the RoadBook has fallen a few notes behind the road you have ridden: it happens when you follow another rider or a track on the ground, and that is exactly where danger notes get missed. In training the warning helps you build the habit; in a race the app only records. See [LateNote](#).

Can I use two phones, or a phone and a tablet?

Yes: one main and one backup (Settings › Device). Both record and the service merges the tracks; for the race the main one counts.

The stage does not open: why?

Check the reason written under the stage in My events: entry not accepted yet, no start time, rider blocked by the clerk of the course, or it is too early. The stage opens with the **GPS time**: go outdoors and wait a few seconds for the fix.

How long are a race's data kept?

Tracks, replays, reports and the decision log are kept for **3 years** from the end of the event, then deleted automatically; the classifications remain as long as the event is published. The organiser can export everything at any time and receives a notice 30 days before. Training rides stay until you delete them. See the [Privacy](#) page.

Can a minor use RoadBookAI?

Accounts are for adults only. A minor holding a sporting licence can take part in an event only if the organiser enters them, with the parental consent the organiser collects; without consent the entry stays pending. See [Entrants, start times and unlocking](#).

I disagree with a penalty: who corrects it?

Race control. The service's calculation is the starting point: the clerk of the course can change or cancel a penalty, mark a waypoint by hand or record a timekeepers' time, always with a reason that stays in the log. In your replay and in the report you see the calculated value and the decided one. Protests and appeals follow the race regulations.

Glossary

The words of the roadbook, the Studio, events and the app – note, drawing, CAP, waypoint, DZ, FZ, MODIF, stage, package, unlocking, back-track, LateNote, replay and the rest.

Annotations — the text of a note: the words of the FIA lexicon (PP, FRO, Q^T, ET...) and the free text.

ASS — finish of the selective section. See [the rules](#).

Automatic scrolling — the RoadBook following your position by itself. Always off with the FIM W2RC 2027 profile; on by default in training.

Back-track — the arrow that takes an off-course rider back, along their own trail, to the last validated waypoint or to the point where they left the track.

Blue line — in the note drawing, the track the rider follows, drawn with its true shape.

Burst — several voice recordings at the same spot: they are decided together.

CAP — the direction in degrees (0–359) to follow on leaving the note. It can be an exit, average (A), calculated (C, off-track only) or oblique CAP.

Class — a group of entrants in an event (Bike, Car, Quad...), which can have its own settings in each stage.

Clean navigation — a classification without a stopwatch, by points: waypoints taken, rules respected, distance ridden close to the track.

Clerk of the course — in an event's team, the person who manages stages, rules, start times and corrections to the results.

Cockpit — the app's screen during navigation: instruments, RoadBook or map, keys.

Confidence — how sure the engine is about a note: high, medium or low. You can read it in the inspector.

Connected device — a phone or tablet signed in to the account with the app; it is disconnected from the Studio.

CP — passage control.

Danger — level from 1 to 3, with one, two or three red exclamation marks.

DN / FN, DT / FT — start and end of a neutralisation and of a liaison.

Draft — the working version of a roadbook, saved with every action. It becomes a version with *Save version*.

DSS — start of the selective section.

DZ / FZ — start and end of a speed-controlled zone.

ET à X m — "and then", after X metres: a second nearby event written in the same note.

Event — a race or raid in the Studio, with stages, classes, entrants and team.

FIA lexicon — the conventional words and icons of the roadbook. See [icon lexicon](#).

FIM W2RC 2027 — the regulations of the rally raid world championship of the Fédération Internationale de Motocyclisme, and the RoadBookAI profile with its values for radii, penalties and race rules.

Forced opening — opening a waypoint that cannot be found: the arrow guides you, the WP counts as missed. The organiser decides whether it is allowed and with what penalty.

GPS time — the time given by the satellites: it opens race stages, even without a network connection, and cannot be changed by moving the phone's clock.

GPX warnings — the RoadBook warnings (dangers, STOPs, junctions, fords, zones) overlaid on the map, for riders navigating with the track.

HP — *hors piste*, off-track.

How many notes — how many notes per km the engine proposes: *Essential*, Dakar style (about 1), *Standard*, as if by hand (about 2), *Detailed*, at every junction (about 4).

Inspector — the panel on the right of the editor with all the data of the selected note.

Joint controllership agreement — the agreement between the organiser and M@trix on race data (Article 26 GDPR), accepted in the Studio when the first event is created.

KM CUT / KM EXTRA — in the rider report: the sections where the rider shortened the RoadBook course, and the extra distance ridden compared with the RoadBook.

Last-minute version — a new version of the roadbook frozen in a stage already published, with the reason: it reaches the phones with a notice.

LateNote — an episode in which the RoadBook shown to the rider falls several notes behind the road they have ridden: it happens when you follow another rider or the tracks on the ground instead of reading the notes. In training the app warns "CHECK THE ROADBOOK!"; in a race it only records it, and the organiser can penalise it in the supplementary regulations.

Live — race control's map with the position and status of the riders; also public, with a delay.

Map — the data from which the engine reads roads, tracks, buildings and signs.

MODIF — label of a note changed since the previous version. It is added automatically when you save a version.

My events — in the app, the events you are entered in, with their stages.

My roadbooks — in the app, the roadbooks in your Studio account.

Navigation (RoadBook or GPX) — how an entrant navigates: with the RoadBook, or on the track on the map with the warnings. In the results they are separate categories.

NEW NOTE — label of a note that is new since the previous version.

Note — the unit of the roadbook: a row with total km, partial, drawing and annotation column.

Note drawing — the junction as the rider sees it, with the direction of arrival at the bottom.

Off-course alarm — the app's warning when the rider has ridden a certain number of km away from the track. See *Back-track*.

Offline map — the vector map of the corridor around the track, downloaded to the phone for GPX navigation; in race stages it is encrypted.

Opening / validation radius — the distance within which the instrument shows the waypoint, and the distance within which the passage is valid.

OpenRally GPX — open roadbook format for navigation apps.

Organiser — the role that creates events; it is given by an administrator.

Package — the encrypted file of a stage for one rider: roadbook, track, rules, class settings and times.

Partial — the distance from the previous note.

Profile — a named set of values: waypoint radii and race rules. The system profiles are *FIM W2RC 2027* and *Training*; organisers save their own by duplicating them.

Proposed — the status of a note as the engine placed it, not yet reviewed. In a recce, also the action suggested for a voice note (the proposal).

Provisional / final classification — the stage classification posted, with the time for protests; when the time is up it becomes final.

Public roadbook — a roadbook proposed by an author and approved by an administrator, free to download.

Pulse — the unit of speeding: one every 150 m or 10 seconds over the limit.

Race control decision — a manual correction of the calculation, for one rider or for everyone (penalty edited, WP marked by hand, manually timed passage, WP neutralised, speed zone cancelled, imposed time), with the reason and the log.

Recentre — in the GPX view, the command that brings the map back to your position and direction of travel (by itself after 10 seconds).

Regional map — the map data of a region or country already on the server: with it a roadbook is generated faster.

Regulation mode — the app's behaviour in a stage with the FIM W2RC 2027 profile: no coordinates, no automatic scrolling, settings locked as the regulations require.

Rejected — a note excluded from the roadbook: it stays at the bottom of the RoadBook and can be restored.

Replay — the playback of a stage or a training ride: tracks, RoadBook following along, charts, mistakes and comments.

Rider preview — in the Studio, what an entrant sees in the app at a simulated time.

Rider report — the PDF of a stage or a ride for the debriefing: times, distances, KM CUT and KM EXTRA, off course, waypoints, stops, speeding and penalties.

RN2 — the format most widely used by roadbook apps and software.

RoadBook — the column of notes in the Studio and in the app, drawn like the PDF Dakar.

RoadBookAI JSON — the native `.roadbook.json` format, for the app and for reopening the roadbook without losing anything.

Source — where a note comes from: map, GPS track, reviewer, recce voice note or written note.

Stage — a part of an event (prologue, selective section, liaison), with its frozen roadbook.

Starting order — the order and start times of the riders in a stage, generated according to the FIM W2RC 2027 regulations or with your own rules.

Status block — in the portrait cockpit, the part at the bottom with the status line (speed, limit, validated WPs, next WP), the waypoint strip, the panel tabs and the bar.

STOP / race STOP — the road sign, for information only; and the compulsory stop of N seconds checked by GPS, with a penalty.

Surface — the type of road of a line in the drawing: asphalt, track, small track, faint track, off-track (HP), road with no surface stated on the map.

Tester — an entrant who tries the stages before the race, without appearing in the results.

Training group — a tutor's group: students who accept the invitation share their training rides with the tutor.

Transcription — the text of the voice notes, obtained from the audio on our server.

Tutor — the person who follows a training group and comments on the students' rides; the role is given by an administrator.

Unlock code — under the FIM W2RC 2027 regulations, the code given by race control to a rider who cannot find a waypoint: the WPM code makes WPMs and WPSs visible (3 hours of penalty, 6 from the fourth use), the emergency code all WPs (6 hours).

Unlocking — the moment the package of a stage opens on the phone: usually 20 minutes before the rider's start.

Version — a snapshot of the roadbook that never changes again (v1, v2...).

WPV, WPE, WPM, WPS, WPC, WPP, WPN — the visible, eclipse, masked, safety, control, precise and navigation waypoints.