F2R ROADBOOK APP

INDEX

INTRODUCTION

Welcome to the F2R Roadbook App user manual. This app is designed to read and navigate digital roadbook files, providing an efficient and interactive way to follow rally routes on the F2R Y1000 device.

The F2R Roadbook App supports OpenRally files (.GPX and .RBK), allowing users to import roadbooks from local storage or receive them via RDS (Roadbook Delivery System). It offers essential navigation features such as odometer tracking, waypoint validation, CAP heading display, and speed zone alerts, ensuring an intuitive and accurate roadbook experience.

This manual will guide you through the app's interface, settings, and functionalities, helping you get the most out of your digital rally navigation.
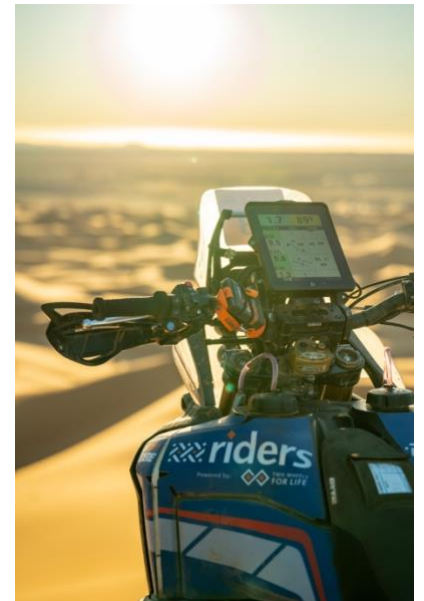
GLOSSARY & SYMBOLS

Throughout this document, you will encounter the following symbols and abbreviations. These are used to simplify instructions and ensure a clear explanation of the features and functionalities described.

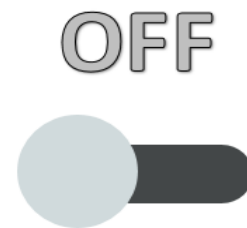## Abbreviations

DTW- Distance to Waypoint
RB - Roadbook File
*WP – Waypoint*

ON-OFF switch

*The **ON button** in the app settings represented as a toggle switch, where the circular slider is positioned to the right and highlighted in yellow. This indicates that the corresponding feature or setting is enabled and currently active.*

*The **OFF button** in the app settings represented as a toggle switch, where the circular slider is positioned to the left and shown in a greyed-out color. This indicates that the corresponding feature or setting is disabled and currently inactive.*

Users can tap the toggle to switch it ON or OFF—shifting the slider to the right to enable it (yellow/orange) or moving it to the left to disable it (grey/black).

Single/long Press

or
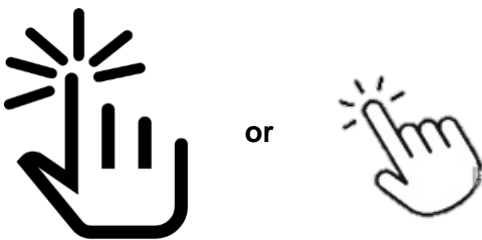
*The **Single Press** symbol represents a tap action on a touchscreen or button. This symbol is used to instruct users to perform a single touch to activate a function, open a menu, or interact with an element within the app.*
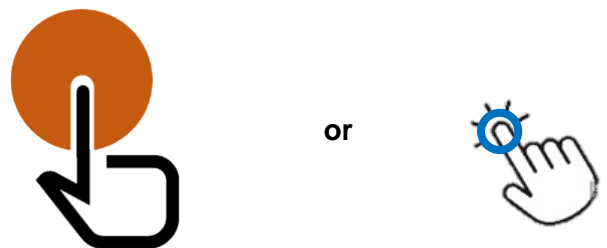
*The **Long Press** symbol represents a press-and-hold action on a touchscreen or button. This symbol is used to instruct users to hold their touch for a longer duration to activate or trigger specific functions within the app.*

FIRST-TIME SETUP

When launching the app for the first time, make sure you're signed into Google Play.

- If you're already signed in, you can continue with your current account or switch to a different one.
- **A connection to Google Play is required for security and optimal app functionality.**

The account you use will serve as your personal profile, allowing you to receive roadbooks shared via RDS to that specific email account.

Note: Roadbooks shared to your device ID via RDS will only be visible on that specific device, regardless of the email or user profile signed in.
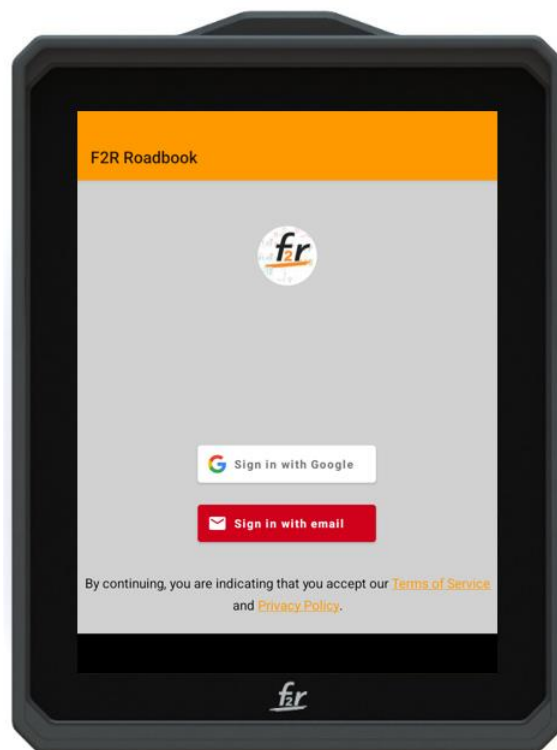
APP LAYOUT / MAIN MENU

Once you open the F2R Roadbook app, the main menu serves as your Library, where you can access and manage your roadbooks. You can also navigate to the Settings to change or log out of your account.

1. • **Add Roadbook** from local file (ex. Google Drive, DropBox, Downloads, Email etc..)

2. • **Go to Settings** (Quick access to F2R Roadbook app settings)

3. • **Refresh** (Manually update to load newly shared roadbooks)

4. • **Change Account / logout**

5. • **Roadbook Library**

ROADBOOK LIBRARY

My roadbooks

This section contains all the roadbooks you have access to, whether they were imported from local files or received via RDS (Roadbook Delivery System).

- Locally loaded roadbooks can be deleted directly within the F2R Roadbook app.
- Roadbooks shared via RDS can only be managed through your RDS account.

Note: The app only supports **OpenRally files** with the extensions **.GPX** or **.RBK**.
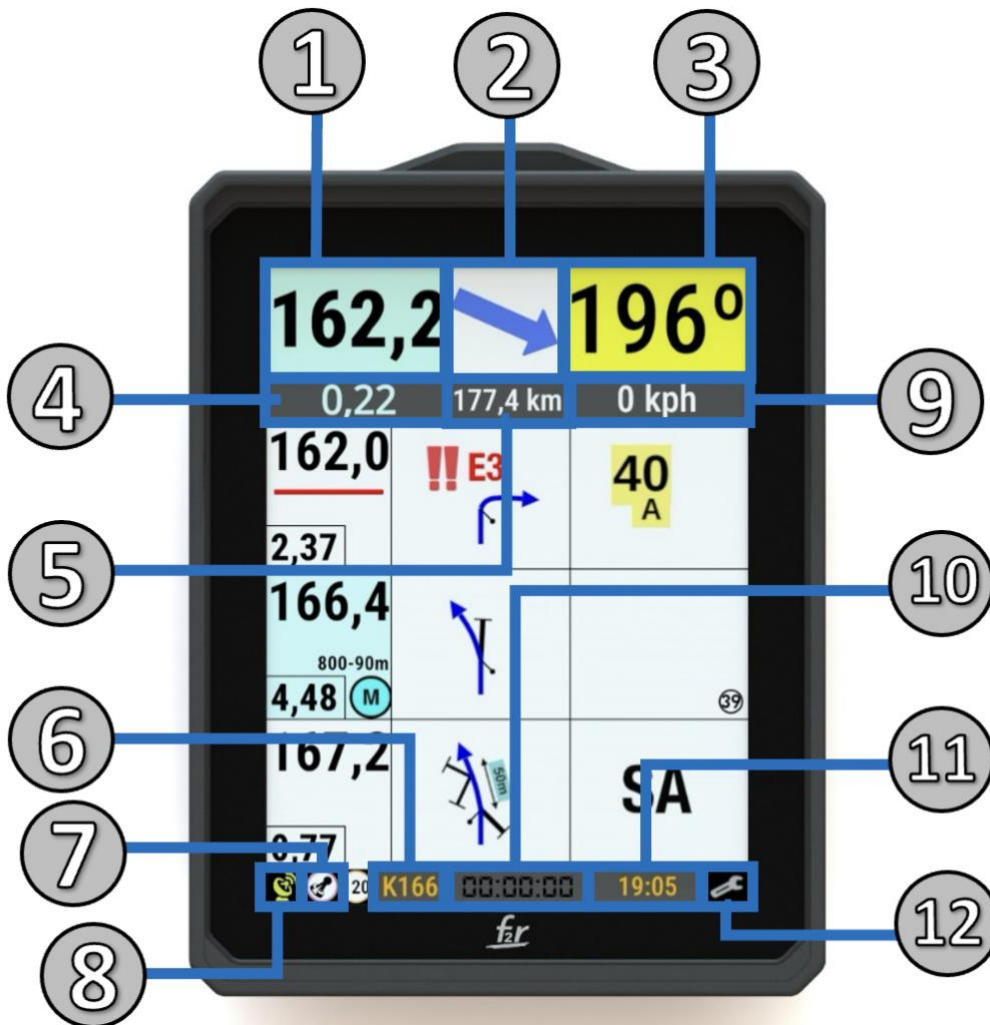
Events

Roadbooks shared with you by a third party through the Roadbook Delivery System (RDS). These roadbooks are accessible within the app for the duration specified by the owner and can only be managed or updated by them via RDS.

Public

Roadbooks shared by a third party via RDS (Roadbook Delivery System) and made available to all users.

ROADBOOK LAYOUT

- **Main Odometer (Total distance):** *Displays the total distance traveled, with the option to show values with one or two decimal places for greater precision.*

- ***Arrow (For Waypoints:)*** *Provides directional arrows for upcoming waypoints to improve navigation accuracy.*

  Opens when entering a waypoint's opening radius
  Closes when the waypoint is validated or if you leave the opening radius

Note: The arrow box remains hidden until waypoint information becomes available for display. When hidden, the main odometer and CAP boxes automatically expand for better visibility.

(3) • **CAP (Course Angle Pointer) Header:** *Displays the vehicle's current heading relative to true north, assisting in off-piste navigation. The heading value ranges from 0° to 359°*
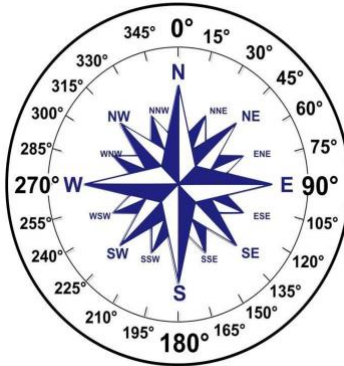
(4) • **Secondary Odometer:** *Tracks distances in kilometers or meters, making it useful for short segments or double notes where two distances are displayed in the roadbook. It can also help monitor fuel autonomy for your vehicle.*
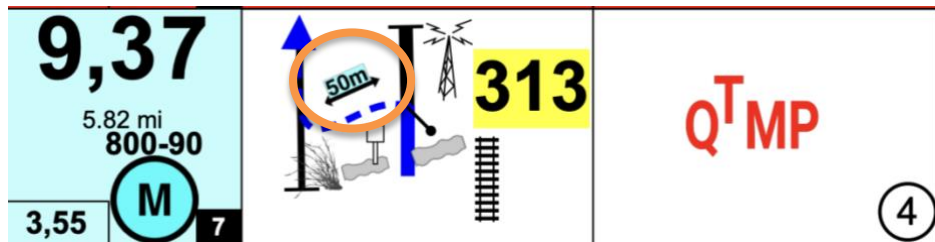
Source: RallyNavigator.com

(5) • **Next Waypoint Information:**

When Arrow is Open → Displays the distance to the upcoming waypoint until validation.

When Arrow is Closed → Shows the name of the next waypoint on the route, also shown on 6 if option is enabled.

(6) **Next Waypoint Name:** *Displays the name of the upcoming waypoint (same on 5 when Arrow is closed), which includes its corresponding number, indicating the kilometer mark where the waypoint is located. The name blinks green when the waypoint is being validated.*

Note: *This widget can be replaced with a waypoint counter in the settings when the "Waypoint Counter" option is enabled in Cockpit Mode.*

(7)

- **<u>Waypoint menu:</u>** *Long press (🖐) to open the waypoint menu, this section provides a complete list of all waypoints on the route, including:*
    1. *<u>Validation Status</u> – Indicates whether each waypoint has been validated or missed, along with the exact time of validation.*
    2. *<u>Waypoint type</u> – Identifies the category of each waypoint.*

(8)

- ***<u>GPS Coverage Indicator:</u>** Displays a satellite icon if GPS coverage is weak or unavailable.*
    1. *No icon displayed → GPS signal is perfect, and all instruments will function flawlessly.*
    2. *Orange satellite icon → GPS signal is weak. Wait until the icon disappears, and ensure you are outdoors with a clear sky view.*
    3. *Red satellite icon → GPS signal is poor. Do not use the device yet. Move outdoors, ensuring the Y1000's GPS antenna has an unobstructed view of the sky. If the issue persists, refer to Troubleshooting - Point 4 in the* <u>Y1000 User-Guide</u>.

Note: *The instruments will blink until the device establishes a fixed location. It may take up to 10 minutes to acquire a strong GPS signal.*

(9)

- ***<u>Speedometer in km/h (kph):</u>** Displays the current speed and provides alerts for Speed Zones, helping riders stay within limits, avoid penalties, and enhance safety along the route. The background colors displayed in the Speedometer will follow these rules:*

    Black background → *Riding/driving outside a Speed Zone (DZ).*
    Green background → *Speed is within the limit inside a Speed Zone (DZ)*
    Orange background → *Approaching the speed limit inside a Speed Zone (DZ)*
    Red (blinking) → *Exceeding the speed limit inside a Speed Zone (DZ) or exceeding the roadbook's designated speed limit.*

Note: *The tolerance levels for color changes and warnings are determined by the selected Buzzer Mode profile in the settings.*

(10)

- **<u>Stage Time:</u>** *This function acts as an **automatic chronometer** for the **selective section** of the roadbook. To enable this feature, the **roadbook creator** must include the following waypoints:*

    ***Starts counting** when a **WP DSS** (Start of Selective Section) is validated.* 🚩

    ***Stops counting** when a **WP ASS** (Arrival at Selective Section) is validated.* 🏁

11 • <u>**Clock:**</u> *Displays real-time GPS-synced time.*

12 • <u>**Settings:**</u> *Single press to access the settings menu.*

MAIN TASKS

Import a Roadbook from Local Files

1. Tap the ADD icon.
2. Select the roadbook file from any location, including Downloads, Files, Email, Google Drive, Dropbox, or other folders on your device.

Note: The app only supports **OpenRally files** with the extensions **.GPX** or **.RBK**.

3. The roadbook will now appear under "My Roadbooks" in your library. ADD a roadbook (2 options)

Share a Roadbook via RDS

rds.terrapirata.com

RDS (Roadbook Delivery System) is a web-based platform designed for sharing roadbooks and managing rally events efficiently. It enables event organizers, teams, and riders to distribute, access, and manage digital roadbooks securely and conveniently.

Through RDS, roadbooks can be assigned to users via email accounts or device IDs, ensuring that each rider receives the correct navigation files directly on their F2R Y1000.

For more details on how to use RDS, visit:
RDS Information & Setup for F2R Y1000

Identification on Y1000

When using **RDS** to send roadbooks to **F2R Y1000**, there are two ways to identify your device:

1. Email Account Linked with Google

• Associated with a specific email address.

• Identifies who is using the Y1000.

2. Device ID (Available in MyGamma App)

• Associated with a unique Device ID number (e.g., DCZL5X).

• Identifies the device itself, independent of the user.

Note: On each **F2R Y1000** device, you can change the **email account** associated with the **F2R Roadbook App**, but the **Device ID remains fixed and cannot be changed**.
To know more about your Device ID, refer to the MyGamma section in the F2R Y1000 User Guide.
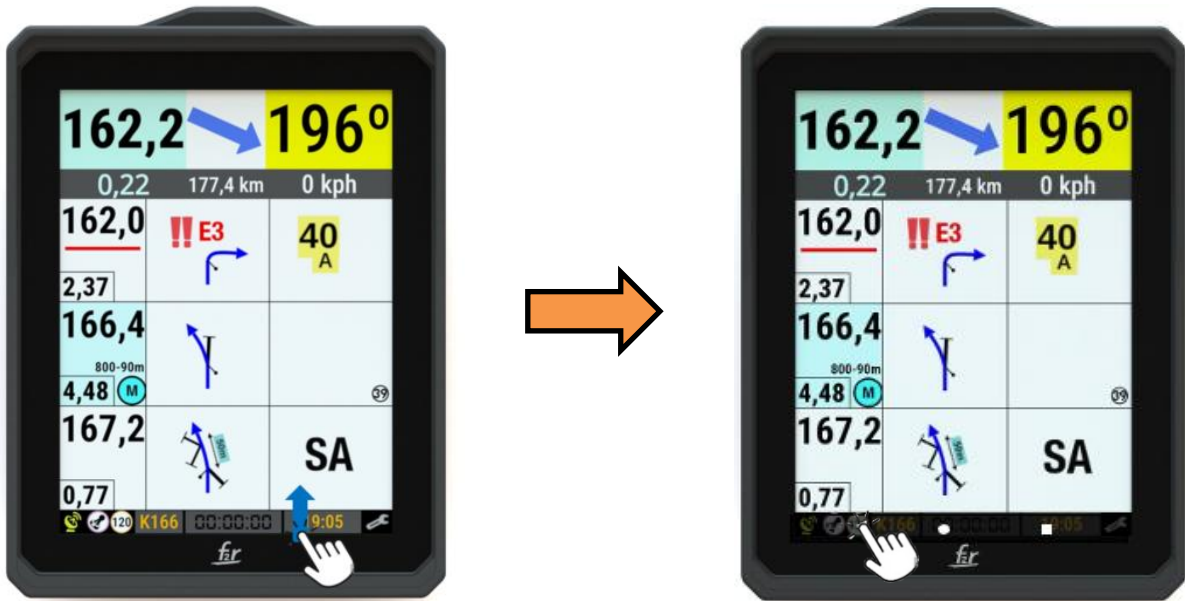
Start a roadbook
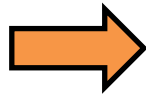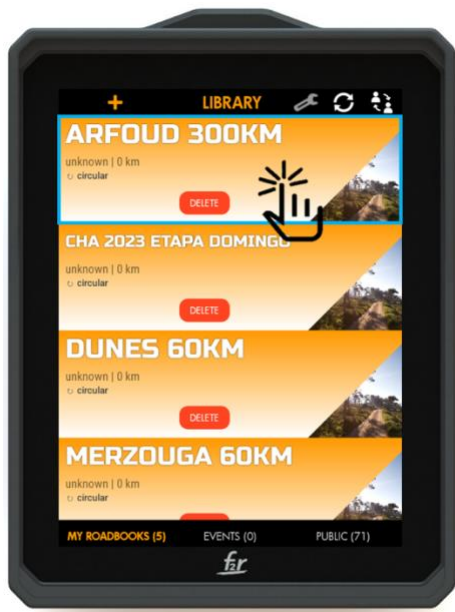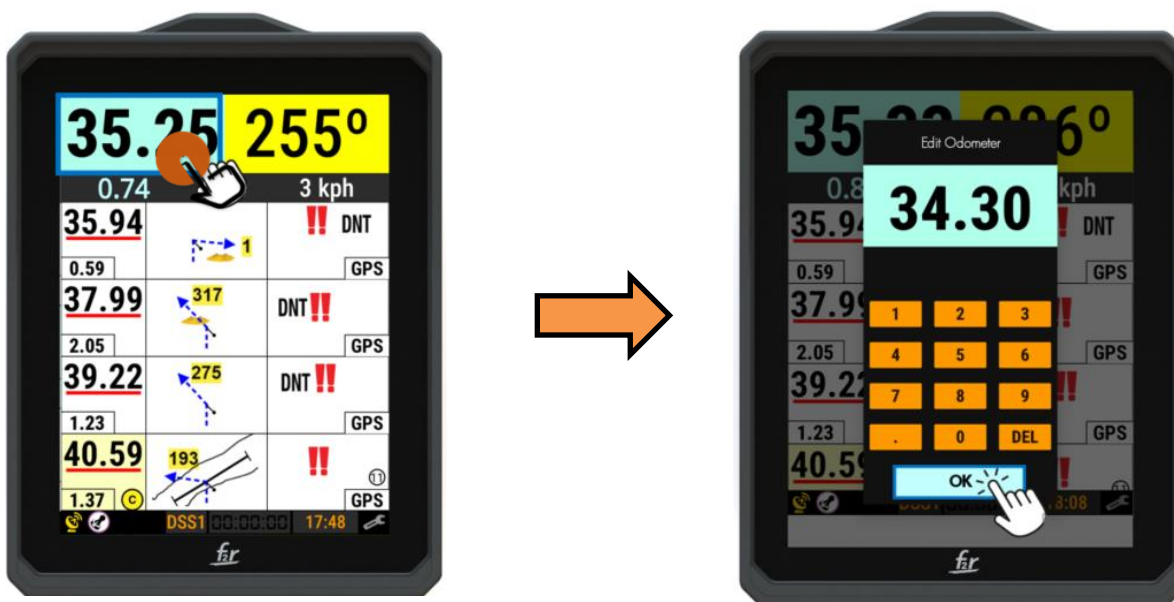

Scrolling the Roadbook

or

Exiting a roadbook

SHORTCUTS

ODOMETER ADJUST

Option 1: Long Press on the Odometer to manually adjust and set the odometer to your desired value.
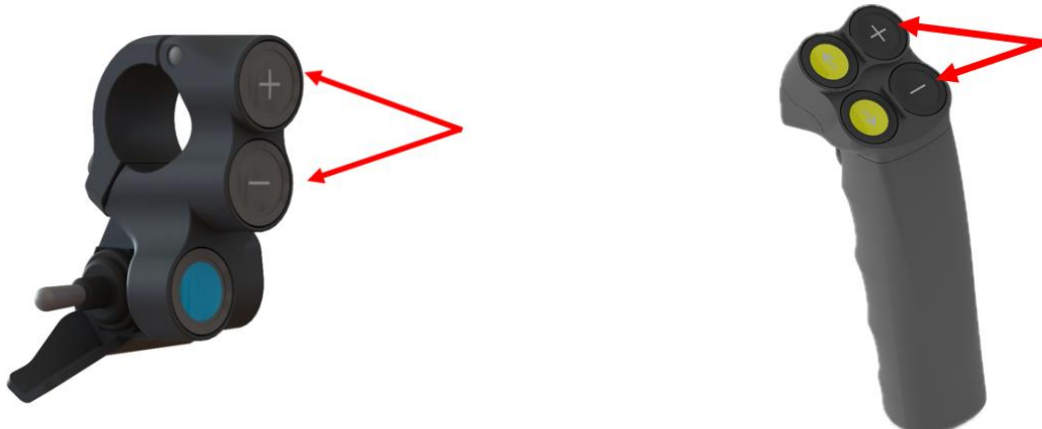

Option 2: Long press on the distance of the note, and the odometer will automatically adjust to match the value displayed on that note.

Option 3: Adjust the odometer using the F2R remotes (DR001 or DRA01)

Resetting secondary odometer

To reset the **secondary odometer**, use one of the following methods:

Option 1: **Single tap** on the secondary odometer display.

Option 2: Press the blue button assigned for odometer reset. (This option will only work if the Check Function is disabled; otherwise, it will perform the predefined actions set for the Check Function.)

or

Menu Waypoint Overview

(Long press on the waypoint icon to open the Waypoint Menu)

On The Waypoint Menu provides essential tools for managing waypoints during navigation.

Waypoint Table (WP Table)

• Displays all waypoints in the roadbook.

• Validated waypoints turn green upon successful validation.

Waypoint Details (WP Details)

• View specific waypoint types and additional details.

• If you are the owner of the roadbook or the owner has enabled permissions via RDS, you can force open a waypoint.

Additional Options (on both screens)

• **Reset Stage** – Clears all validated waypoints, useful if you need to redo a stage you have already completed. Available on both WP Table and WP Details pages.

• **Abandon Stage** – Allows you to upload your track if the roadbook owner has enabled this option on RDS.

Open roadbook Lexicon

Long press on any of the last column of the roadbook to open the Roadbook Lexicon, which provides all explanations of symbols and terms used in rally navigation.

Note: The displayed lexicon is the latest official version from FIM and may not always match the specific lexicon used in the roadbook you are currently navigating.
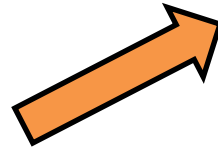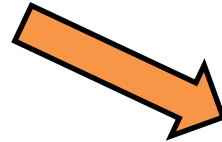
GO To a Specific Note via GPS App

This feature opens a GPS application to provide directions to the exact coordinates of a selected note.

• Only available if the roadbook owner included the coordinates when creating the roadbook.

• Requires a GPS app installed on the device (e.g., Google Maps, Waze, OSMAND, DMD).
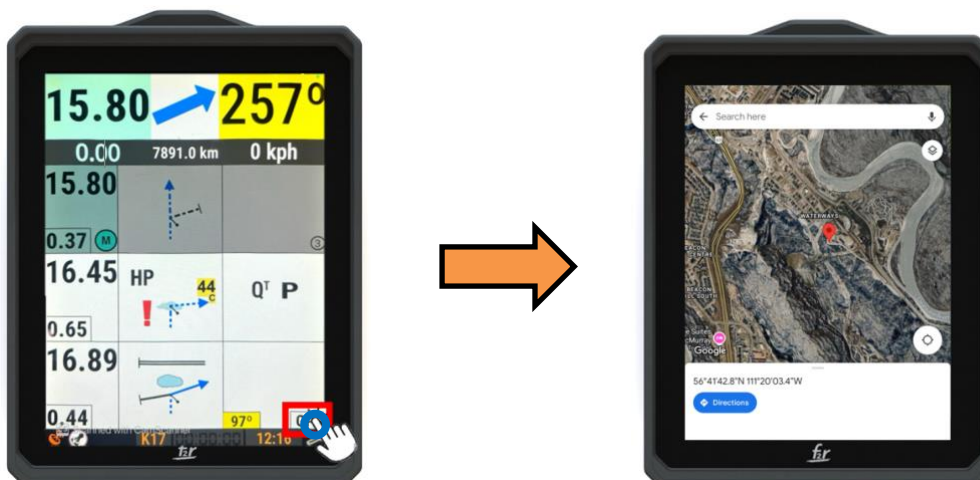
SETTINGS

You can access the Settings from:
- The Main Menu (Library)
- The Roadbook interface while navigating

In the Settings menu, you can customize various functions related to:

- Odometer
- CAP (Course Angle Pointer)
- Buzzer alerts
- Remote Control
- Instruments display
- Roadbook settings

GPS Nav

When enabled, this feature automatically synchronizes the odometer with the distance value of the validated waypoint, ensuring accurate tracking without the need for manual adjustments.

Auto Adjust

Waypoint Valiadated
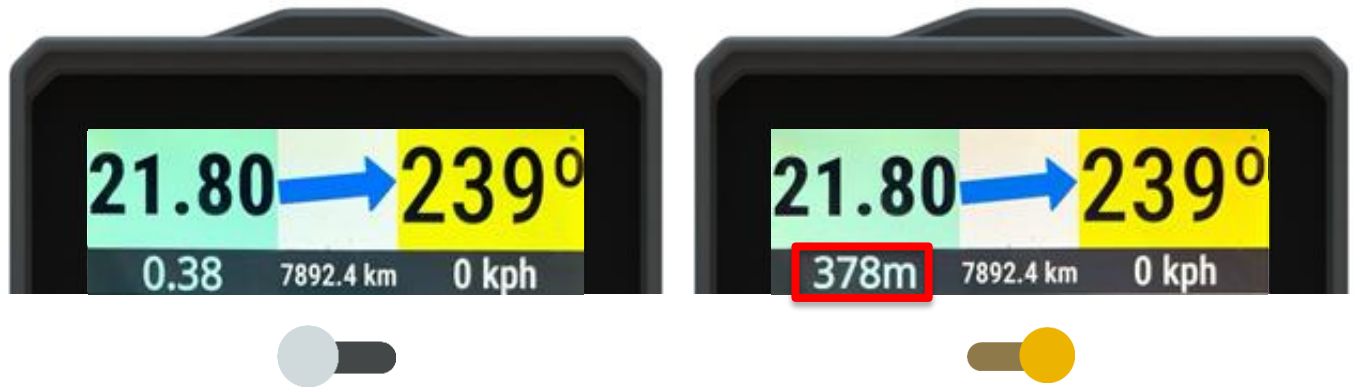
Odometer and CAP

Feature name in settings: **Show Degrees Symbol in CAP**

Feature name in settings: **Odometer w/1 Decimal (Desert style)**

Feature name in settings: **Secondary Odometer in Meters (until 1K)**

Buzzer

Note: To use the Buzzer features, the BZ001 accessory is required.

The Buzzer enhances navigation by providing audible alerts for key events, including:

- Waypoint validation

- Approaching hazards

- Speed zone warnings

- Odometer adjustments

Buzzer Mode

This setting allows you to customize the frequency, intensity, and activation conditions of the buzzer, determining when and how audio alerts are triggered during navigation.

Note: The selected mode will also affect the background color of the speedometer, adjusting the visual alerts based on speed zone warnings.

Mode	Speed Tolerances	Intensity after Tolerance	Intensity after Limit
CONSERVATIVE	5 km/h from limit	fast/high frequency	slow/low frequency
RALLY RAID	3 km/h from limit	normal	normal
PRO RIDER	2 km/h from limit	slow/low frequency	fast/high frequency

Remote Controller

Scroll Mode

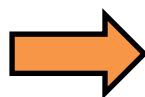This setting adjusts the scrolling speed of the roadbook:

- Legacy/Paper → Constant speed, does not scroll note to note.

- Slow → Gradual note-to-note scrolling.
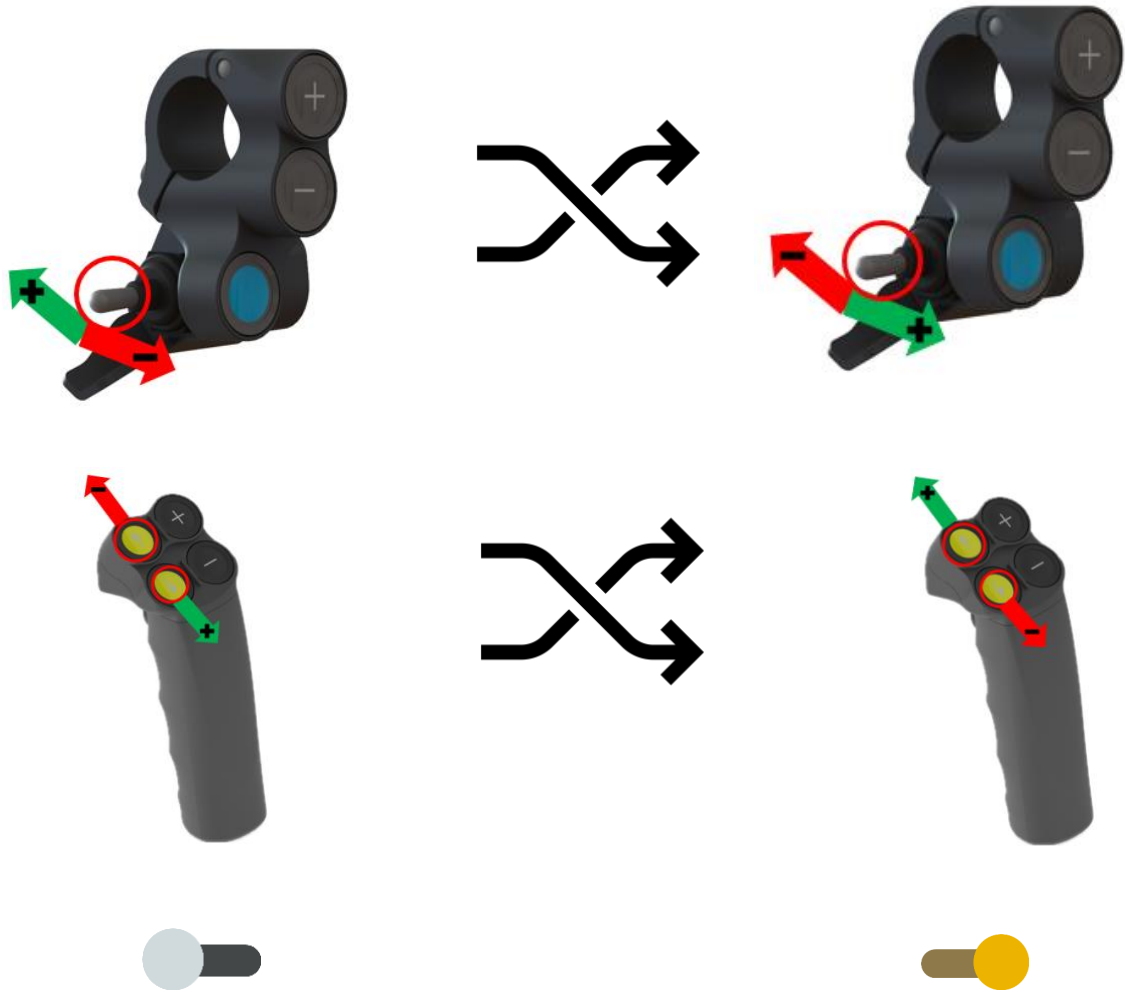
- Fast → Rapid note-to-note scrolling.

On screen buttons

Audible Feedback on Odo Adjust

Reverse Scroll Direction

Reverse Odo Buttons

Use "Check Note" function

The Check button is an action trigger that allows users to interact with the digital roadbook by confirming a note or waypoint. These settings determine how different elements (odometer, secondary odometer, and roadbook) behave when the check button (BLUE Button) on the DR001 or DRA01 is pressed.

- simplest way to navigate, compiling 4 steps in one button
- It can be customized to use 4 steps or simply, 1, 2 or 3 of them.
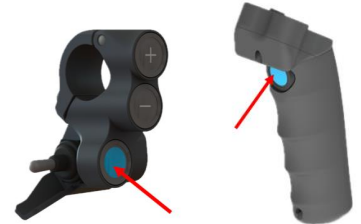
Check Note settings: choose what happens when the check button is pressed

Use Middle Note (Default: Top): By default, the Check Function applies to the first (top) note of the roadbook. If this feature is enabled, the Check Function will instead act on the second (middle) note, applicable when three notes are visible in the roadbook.

Odometer:

- Adjust to note: Automatically syncs the odometer to the note's predefined distance. Useful for keeping the odometer synchronized with the roadbook without requiring manual correction.
- Reset: Resets the odometer to zero, useful for new stages or sections.
- None/off: No changes to the odometer; continues as usual.

Secondary odometer:

- Reset: Resets to zero, useful for tracking short segments within a stage.
- None/off: No action; it keeps counting.

Roadbook:

- Scroll to next: Moves to the next note automatically.
- Marks as complete: will mark the current note as completed but will not scroll to the next note. This is useful if the user wants to keep track of completed notes manually before moving forward.

- Scroll and Mark: This combines both actions: the current note is marked as complete, and the roadbook automatically scrolls to the next note.
- None/off: No action is taken on the roadbook when the check button is pressed. The user must manually scroll.

- Marks the note
- Scrolls to next
- Adjusts odometer
- Reset secondary odometer

Cockpit Mode

Rally Raid (Standard Mode):
This is the default cockpit layout, optimized for rally raid navigation, providing a structured and intuitive display of essential navigation elements.

Customizable Mode:
This mode allows users to personalize the cockpit layout by modifying the displayed widgets and adjusting the interface to match their preferences.

- One of the customizable options includes the ability to replace the "Next Waypoint Name" widget with a Waypoint Counter.

Roadbook

3 Visible Notes   **4 Visible Notes**

Hide RB's Hundred Digit:
This option allows you to hide the hundreds digit in the roadbook, simplifying the distance display for a cleaner and more compact view.

Show Note's Ordinal:

Enables the display of ordinal numbers for each note in the roadbook.

- •   Useful for quickly identifying specific notes within a roadbook.
- •   Not essential for navigation but can aid in note referencing.

Show WP Details:

Displays detailed information about the waypoint, specifically showing the opening radius and validation radius distance.

USEFUL LINKS

- [FIM WORLD RALLY-RAID CHAMPIONSHIP SPORTING REGULATIONS](#)
- [Y1000 User Manuals & Support](#)

SUPPORT & CONTACT INFORMATION

If you have any questions, require technical assistance, or need to request a warranty service, please contact **F2R Support**:

📧 **Email**: support@f2r.pt

🌐 **Website**: www.f2r.pt

📞 **Phone**: +351 215 89 07 91

📍 **Address**:

PRACETA JORGE BARRADAS Nº13 LOJA A

2745–864 QUELUZ – SINTRA

PORTUGAL

To **create a support ticket**, visit:

🔧 f2r.pt/y1000-support-ticket/

And select **"F2R Roadbook App"** under **"Category/Type of Issue."**

LEGAL DISCLAIMER

The **F2R** *Y1000* is intended **exclusively for navigation purposes**. F2R is not responsible for any **misuse** of the device or for any damages caused by **improper installation, unauthorized modifications, or third-party accessories**.

By using this device, the user agrees to follow all **safety guidelines**, **warranty conditions**, and **legal restrictions** outlined in this manual.

FINAL REMARKS

We appreciate your trust in **F2R** products. We continuously strive to improve our devices and user experience. If you have any feedback, we encourage you to **reach out to our team**.