

RB Reader Manual V3.0

Requirements

- Android device (**minimum version: 11**) with built-in GPS.
- WhatsApp installed and working.

Introduction

RB Reader is a digital roadbook reader created with **RoadBook Editor**. It's simple to use and uses the device's GPS. On older phones: activate **airplane mode** and set **the battery to high performance**.

RB Reader Manual

Installation and startup

1. **You will receive the RB_Reader_pack.zip** file and the RB Reader APK **via WhatsApp** (outside the Store: the system may warn you; allow installation).
2. **Do not extract or move** the ZIP file.
3. **Open RB Reader by tapping the RB_Reader_pack.zip file from WhatsApp** (if you open the icon, the app will remind you to use the WhatsApp file).
4. Wait for it to load, then enter your **crew number** (you can also choose **Skip** to try).
5. Choose whether you prefer to validate the notes Manually or Automatically (click on the item for instructions)

RB Reader Manual

Interface

Tripmaster Area

- **Progressive Odometer:** (left) km from the start.
- **CAP :** direction of travel (stabilizes in motion).
- **Local time.**
- **Partial Odometer** (right): km from **previous note**.

Notes Area

- **Active** note: **yellow** → tap to validate (turns **green**).
- **Green** note: note already validated
- **Orange** note: area where the note can be validated (approximately 30m radius)

- **Red** note: The note has been passed and can no longer be validated at that distance. To validate, you must go back.
- Some notes may appear **blue** if the **next one** is very close (≤ 250 m).
- **Left column:**
 - top line = note **progression** ;
 - line below = **partial section** of the stretch (e.g. **0.15 km = 150 m**). (*Decimals in the app use a dot.*)
- **Central column** : icons/arrows for maneuvering; the white dot indicates where to validate.
- **Right column** : text/warnings (limits, dangers, specifications).

Bottom bar

- Coordinates, current speed and (where applicable) additional information. Remember, when a **red CAP** appears, keep an eye on the bottom bar; an arrow will appear indicating the general direction you need to go.

Operation (Manually)

Note 1: it must be validated **only upon departure** → you will hear **two beeps** .

Speed limit: respect the indicated value (it is better to stay slightly below).

Validate: Tap the note when you're on point; the **next one** becomes active (yellow and larger).

Colors on the active

- **Yellow** = active note
- **Orange** ≈ 30 m from the next
- **Red beyond 30 m from failed validation. It will no longer be possible to validate the passed waypoint unless you return..**
→ Validate when the vehicle is on the **white circle** in the diagram.

Penalties

- If you validate **early/late** , you pay based on the extra meters.
- The **progressive** realigns to the validated note and the **partial** resets.

Skipped notes

- If **you skip** a note, you can:
 - **Validate the next one** (pay **450 pt** penalty for the missed note), or
 - **Go back** and validate the one you skipped (recommended: you only pay for the extra meters).
- **Warning:** Be careful if you decide to skip and aim for the next one, don't skip two notes in a row or you'll get lost.

Safety:

Validation only when stationary or with co-pilot.

End of tour & QR

Once the last note is validated, a **QR code** with the tour details is created within a few seconds. **Don't close it** until the organizer scans it.

The PNG file is saved in **Download/RB_Reader** .

Operation (Automatic)

Navigation in automatic mode does not include rankings.

Select the "Automatic" option and press Start: note number 1 is automatically validated if you are within the starting radius (25 m from the first waypoint).

The next note turns yellow and you can begin navigation.

Speed limits: respect the indicated speed.

As you approach the waypoint, the note turns orange; when you are near the fork (there may be a difference of a few meters), it is automatically validated and turns **green**.

The next note is highlighted in **yellow**.

Active colors

- **Yellow** = active note
- **Orange** ≈ 30 m from the next note
- **Green** when validated.
- the total odometer realigns to the validated note and the odometer partial value is reset to zero.

Tips and limitations:

- If two notes are very close together (<30 m), the second one may be validated in a few seconds, depending on your speed.

This isn't a defect in the reader or the GPS: it's an intrinsic limitation of notes that are too close together.

- When you see a note followed by a **blue note**, slow down and make sure you understand the directions: there may be forks in the road very close together.

With notes less than 25 m apart, slow down to 20 km/h.

Quick FAQs

Forgot to validate a note?

You can choose to validate the next one (use the tripmaster's progressive number) or, recommended, go back and validate the correct note.

Wrong direction?

Go back to the **previous note** and get back on track. Continuing "by feel" increases the penalties.

Lost?

Use the **coordinates** (gray bar) as a waypoint on your GPS. Alternatively, call the organization for instructions or recovery.

Classification

The ranking takes into account:

- **Validation accuracy** between notes (also records navigation errors).
- **Respect speed limits** (safety first).
- Any **imposed average speed** (<30 km/h). Penalties for early or late arrivals are applied based on departure time, kilometers traveled, and the imposed average speed.