

INSTRUCTIONS – Gpx_To_Json

Gpx_To_Json is a utility designed for experienced Roadbook Editor users who want to speed up the roadbook creation process.

It converts a .gpx file and its associated waypoints into a .json file that can be opened in Roadbook Editor, automatically generating all notes.

If you are not familiar with Roadbook Editor, this tool will probably not be useful for you.

Preparation

Most GPS devices store the track and waypoints in two separate files.

If this is your case, it is recommended to:

- create a dedicated folder for the roadbook (e.g.: event_name)
 - place it in an easily accessible location (Desktop or Documents)
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On the field

Before starting the first reconnaissance (route verification):

1. Turn on the GPS
2. During satellite acquisition, create a new .wpt file (e.g.: eventname.wpt)
3. The file will be empty, but ready to store waypoints

Move to the starting point:

- create the first waypoint
- start track recording

👉 There is no need to rename the waypoints (e.g. wpt001, wpt002)

During the route

Create a waypoint when:

- a junction may cause uncertainty
- you encounter a significant point:
 - obstacles
 - ditches
 - holes
 - rocks

- reference points

There is no need to mark:

- obvious directions
 - secondary junctions without ambiguity
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Recommended method

Practical example:

1. wpt → start (no note)
2. wpt → right turn (no note)
3. wpt → left Y junction (no note)
4. wpt → fallen tree → note: "tree"
5. wpt → ruins → note: "ruins"
6. wpt → T junction (no note)
7. wpt → steep descent → note: "descent"

If an event coincides with a junction:

👉 note both together (e.g.: "junction + rock")

If there is a risk of confusion:

👉 add the waypoint number

(e.g.: "tree 4", "ruins 5", "descent 7")

End of reconnaissance

- create a final waypoint at the finish
- stop recording

You now have:

- a .gpx file (track)
- a .wpt file (waypoints)

Copy them into the same roadbook folder.

👉 It is essential that both files are in the same folder.

Conversion

1. Launch Gpx_To_Json

2. Select the .gpx file
3. The application automatically generates a .json file in the same folder

The file will contain:

- junction waypoints (with automatic direction)
 - obstacle and point-of-interest waypoints
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Final work

Open the file in Roadbook Editor and:

- adjust the junctions
 - add secondary roads
 - insert icons
 - complete descriptions
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Important

Gpx_To_Json is not a fully automatic tool.

It is designed to:

- 👉 quickly identify junctions and key points

It is always necessary to:

- review each note
- verify the roadbook

Recommended:

- 👉 perform a second reconnaissance using a printed roadbook
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Compatibility

Gpx_To_Json supports:

- GPX files with embedded waypoints
- GPX + separate .wpt file

If a file is not recognized:

- 👉 send it (gpx or gpx + wpt)

Support will be added.

Technical note

The GPX format is not interpreted in the same way by all devices.

Some GPS units introduce variations that may require specific adjustments.