



HOW-TO

How-to Use Base Map Loader in EMU PRO

Document version: 0.1

Software version: 232.0 or later

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1. Description

EMU PRO includes a set of base maps that help with initial tuning for common engines and EMU PRO PNP kits. These base maps are a starting point only.

**Note:**

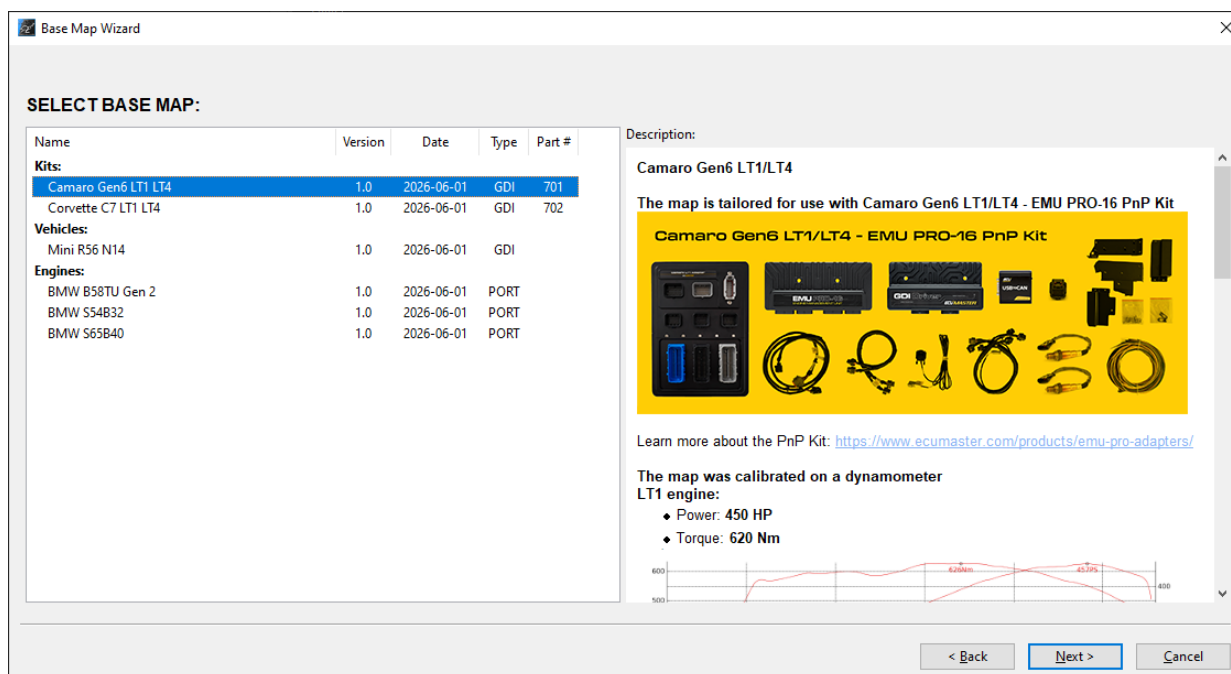
They are designed for specific engine setups, so always verify and adjust the calibration to match the actual installation before any performance driving.

Base map location

Base maps are stored in: *Documents/EMU_PRO/CONTENT*

File extension: *.emupro-basemap*

Loading a base map



To load a base map:

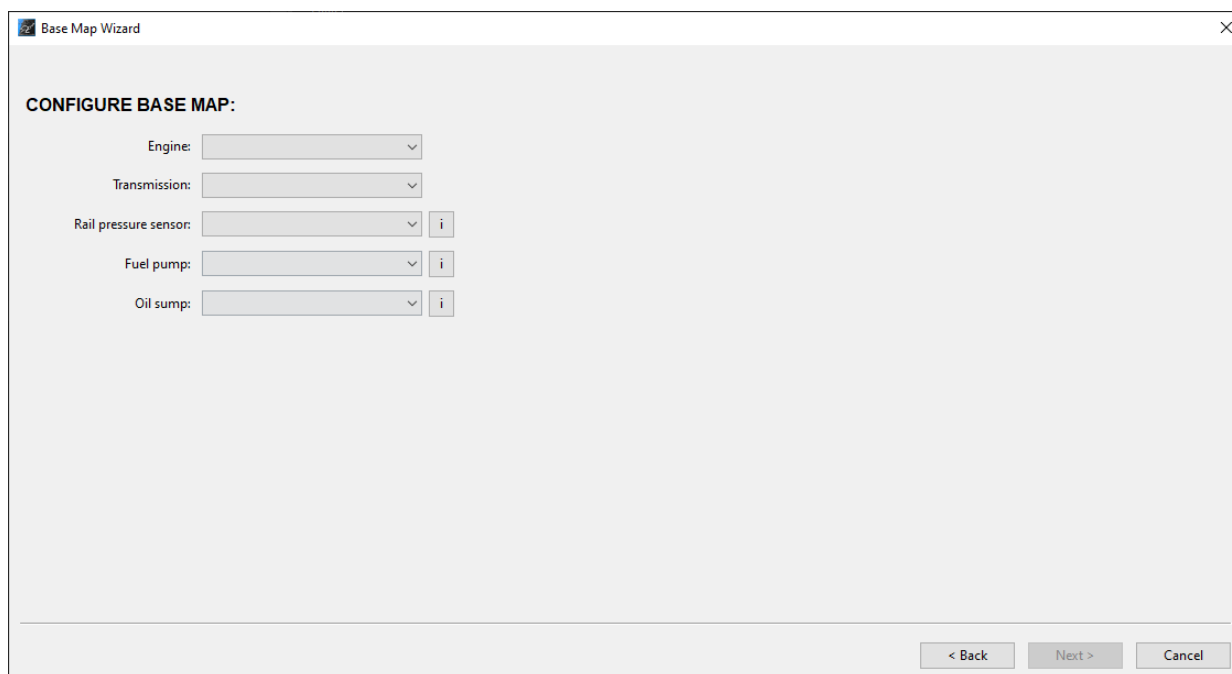
1. Go to **File / Open base map...**
2. A list of available base maps will be shown, grouped by category
3. Select the required base map

On the right side of the screen, you will see a description of the selected base map, including what is included and what is not included. Read this description carefully before continuing.

**Important:**

Loading a base map replaces the current project in the EMU PRO device.

If the device contains any important configuration or tuning data save a backup before proceeding.

Base map variants

The Base Map Wizard dialog box is shown. It has a title bar with a close button. The main area is titled "CONFIGURE BASE MAP:". Below this, there are five rows of configuration options, each with a dropdown menu and an information button (a small square with the letter 'i'). The options are: Engine, Transmission, Rail pressure sensor, Fuel pump, and Oil sump. At the bottom right, there are three buttons: "< Back", "Next >", and "Cancel".

Some base maps (for example Camaro Gen6 LT1/LT4 or Corvette C7 LT1/LT4) have multiple variants.

If a variant is available the software will ask you to select configuration details in the next step.

For more complex options, you can click the "i" (information) button to see additional help.



The "More information: Rail pressure sensor" dialog box is shown. It has a title bar with a close button. The main area contains the following text:

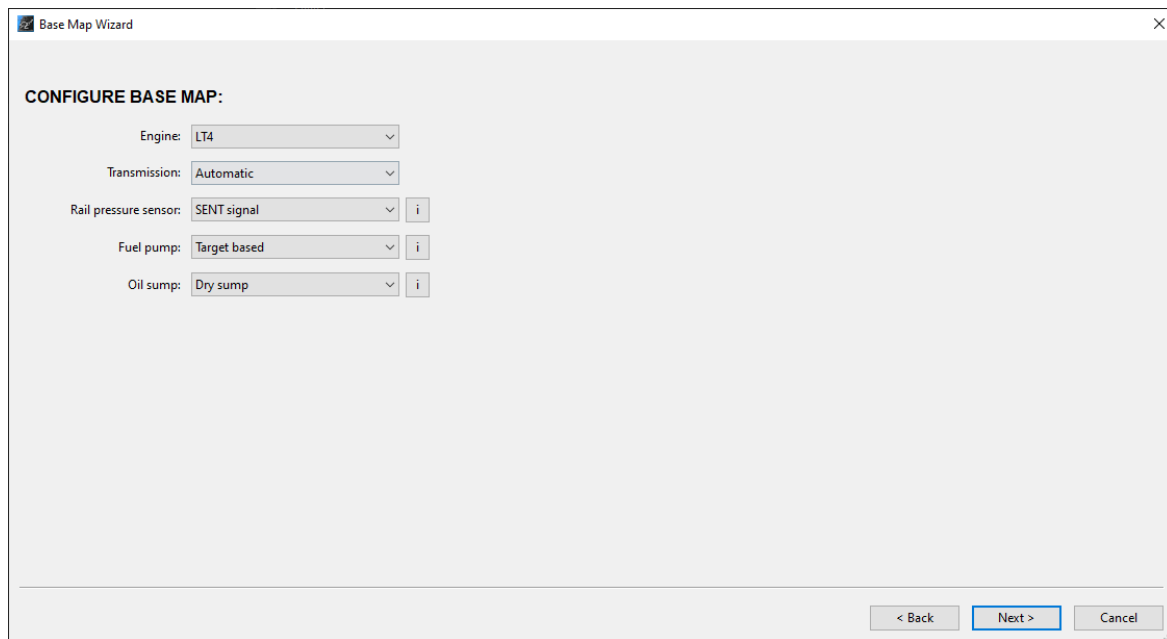
The correct sensor type depends on the year the vehicle was manufactured.

SENT Signal
Select this option for vehicles produced from 2017 onwards (3-pin connector).

Analog Signal
Select this option for vehicles produced up to and including 2016 (4-pin connector).

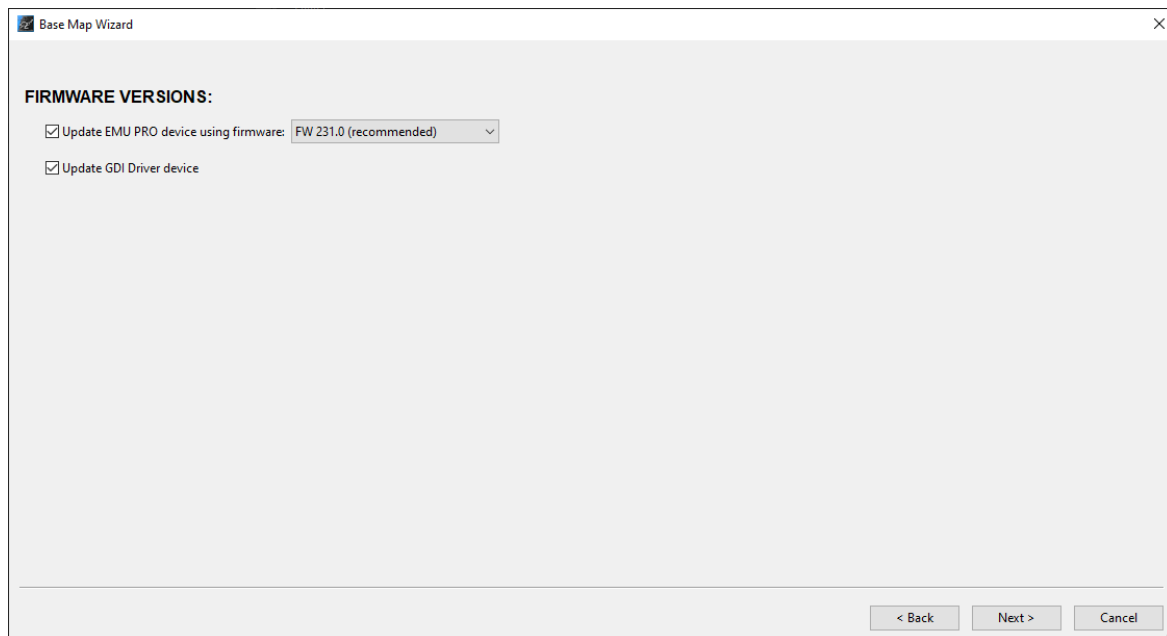
Select the correct setup details for your engine/system. All options must match your physical configuration.

Example



Firmware selection

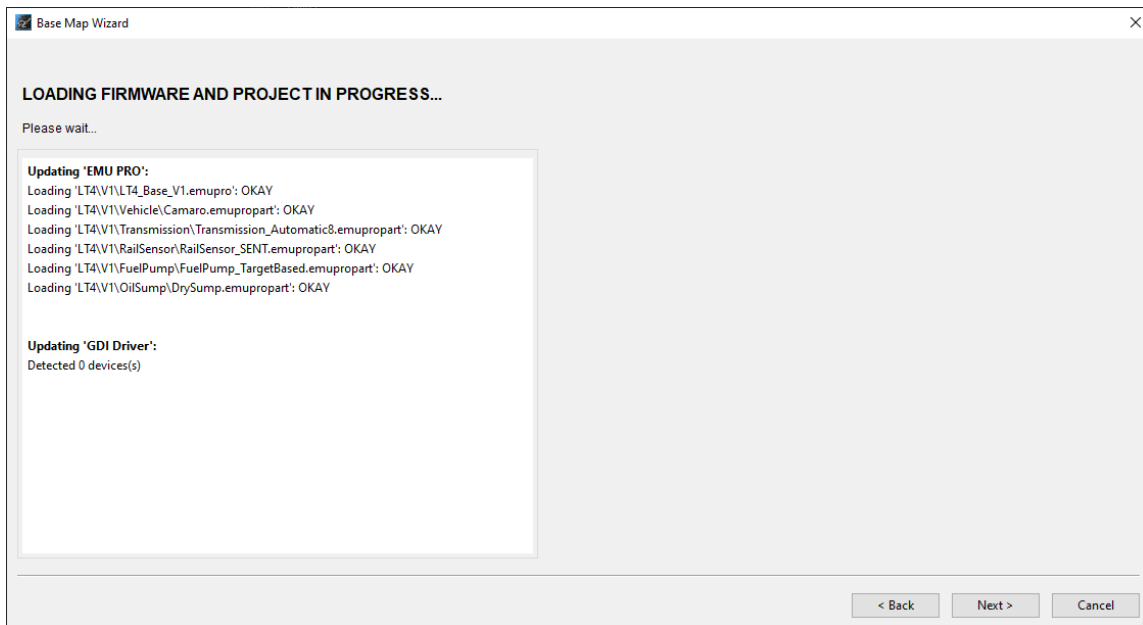
The next step is firmware selection. This step applies to all base maps.



It ensures that the base map is used with the firmware version it was created for, so the correct firmware is installed on EMU PRO during loading.

If additional devices are required (for example GDI Driver for GDI setups):

- they can also be configured and updated in this step
- or you can uncheck them if not used



After pressing **Next**, the base map will be loaded to the selected devices.



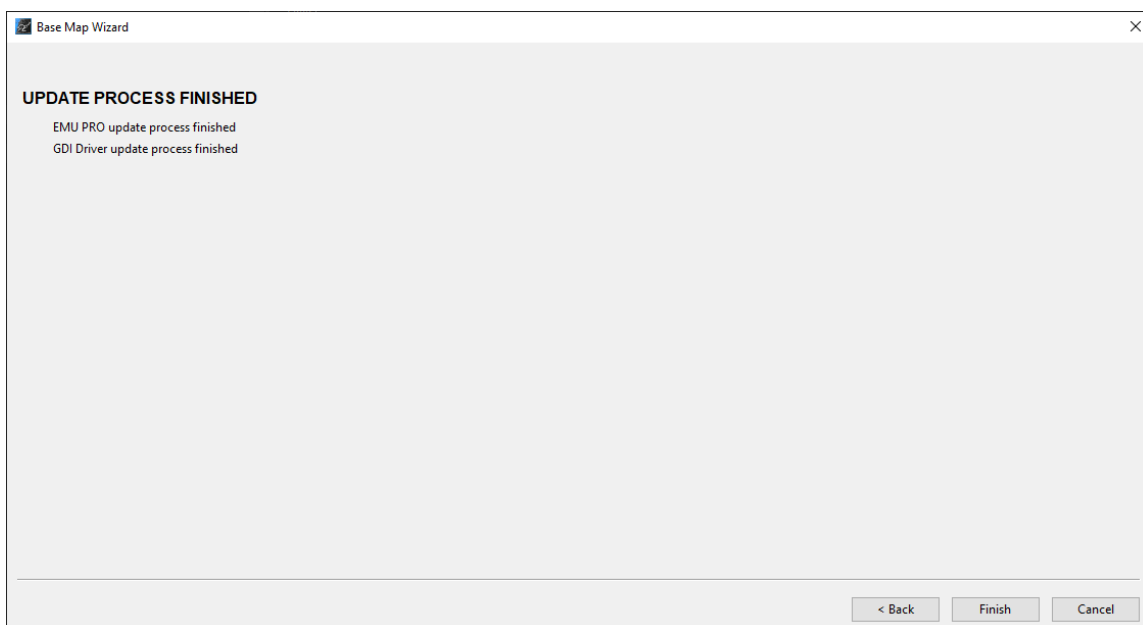
Warning:

Ensure:

- stable power supply to EMU PRO
- stable power supply to the PC
- stable connection during the entire process

Do not interrupt the process, as it may cause incomplete update or configuration issues.

Loading process



A summary screen will show:

- selected devices
- firmware updates (if required)
- loading progress

After loading a base map

After loading any base map, check the following:

- Verify all assigned inputs and outputs in the software
Go to: **Tools / Assigned outputs** and **Tools / Assigned inputs**
- Make sure assignments match your wiring
- If wiring does not match the configuration, do not run the engine
- Correct the assignments first if needed

This step is critical to avoid incorrect ECU operation.

2. Document history

Version	Date	Changes
0.1	2026.06.19	Initial release