



HOW-TO

How-to Load Base Maps in EMU PRO

Document version: 1.0

Software version: 261.00 or later

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1. Description

EMU PRO software includes a set of base maps that provide a starting point for tuning common engines and EMU PRO PnP kits. These base maps are intended as a foundation for further calibration and may require adjustments to suit your specific setup.

**Note:**

Base maps are designed for specific engine configurations. Always verify the calibration and make any necessary adjustments before performance driving.

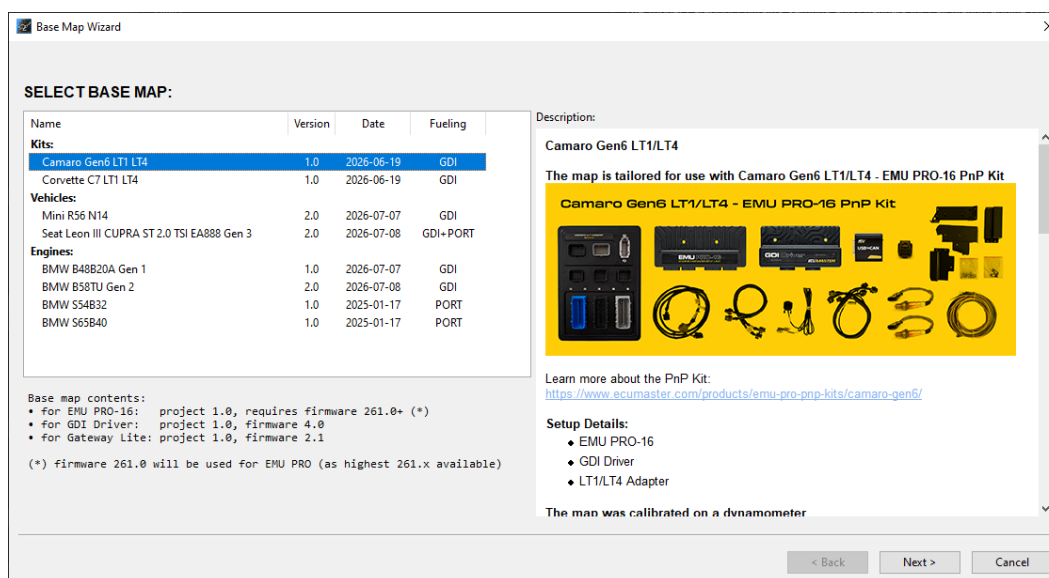
Base map file

A base map file contains not only the EMU PRO project, but also firmware and settings for additional devices required or recommended for the project to work correctly, such as the GDI Driver in GDI applications.

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

File extension: *.emupro-basemap*

Loading a base map



To load a base map:

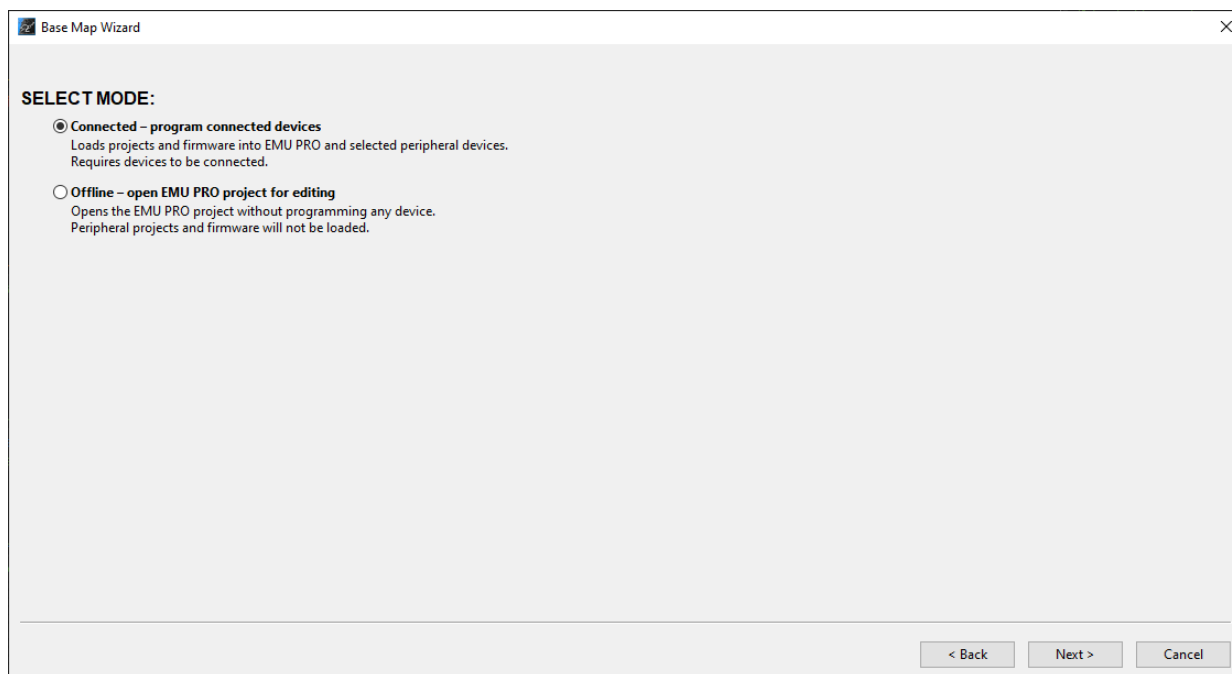
1. Go to **File / Load base map... Ctrl+Shift+L**
2. A list of available base maps will be shown, grouped by category
3. Select the required base map

On the right side of the screen, you will see a description of the selected base map, including the systems that are calibrated and supported. Read this description carefully before continuing.

Below the base map list, you will find the contents of the selected base map, including projects and firmware versions.

Mode selection

After selecting a base map, choose how you want to proceed.



- *Connected - program connected devices* - loads the project and firmware into the EMU PRO and all selected peripheral devices. This mode requires the devices to be connected.
- *Offline - open EMU PRO project for editing* - opens the EMU PRO project without programming any devices. Peripheral projects and firmware are not loaded.



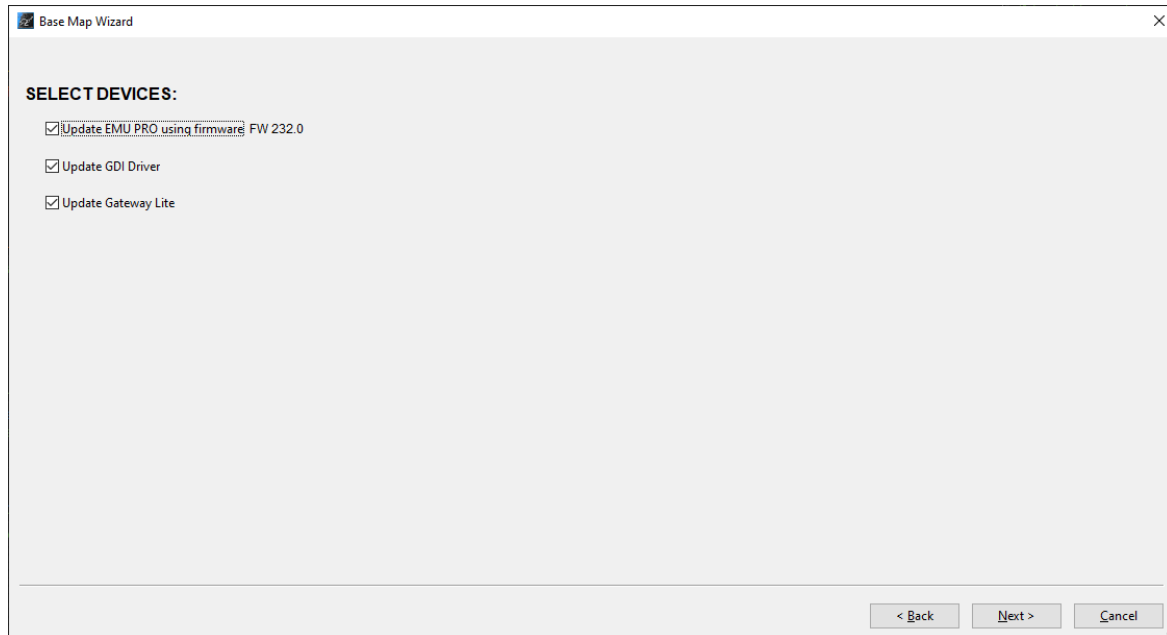
Important:

Loading a base map (*Connected* mode) replaces the current project in the EMU PRO device.

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

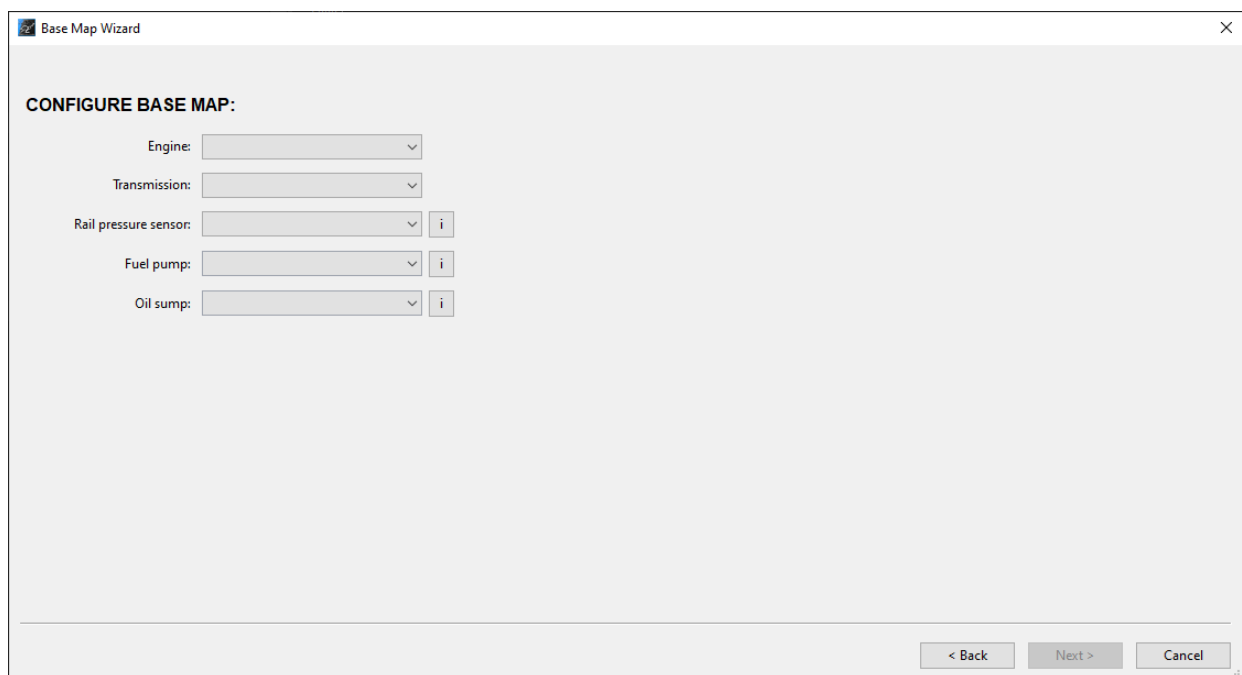
Devices selection (*Connected* mode)

In *Connected* mode, the next step is selecting the devices to update. Only the selected devices will be programmed with the appropriate firmware and projects. This ensures that the base map is used with the firmware versions it was created for.

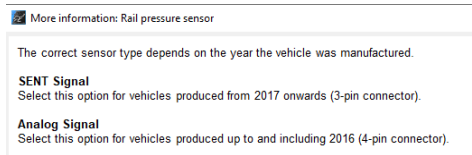


Base map variants

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

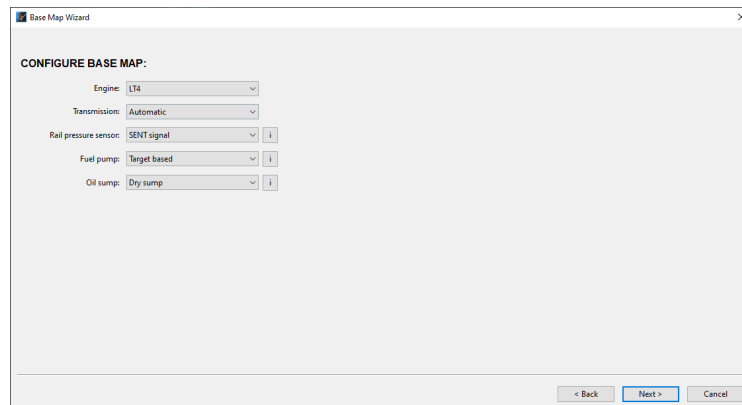


If a variant is available the software will ask you to select configuration details in the next step. For more complex options, you can click the “*i*” (information) button to see additional help.



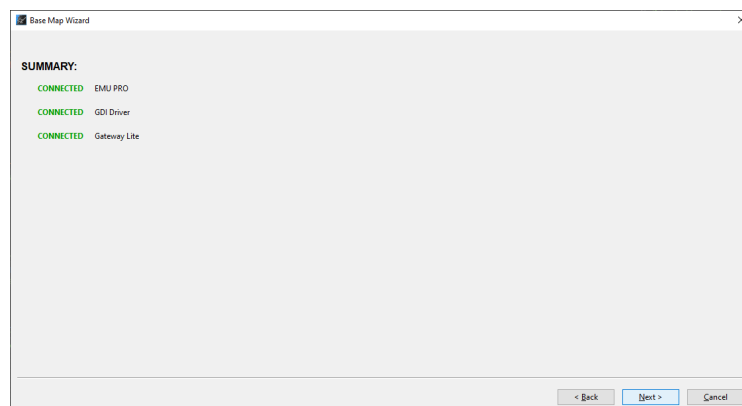
Select the correct setup details for your engine/system. All options must match your physical configuration.

Example



Devices status summary (*Connected mode*)

In the next step, the software displays the status of all selected devices before programming.



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



Warning:

Ensure:

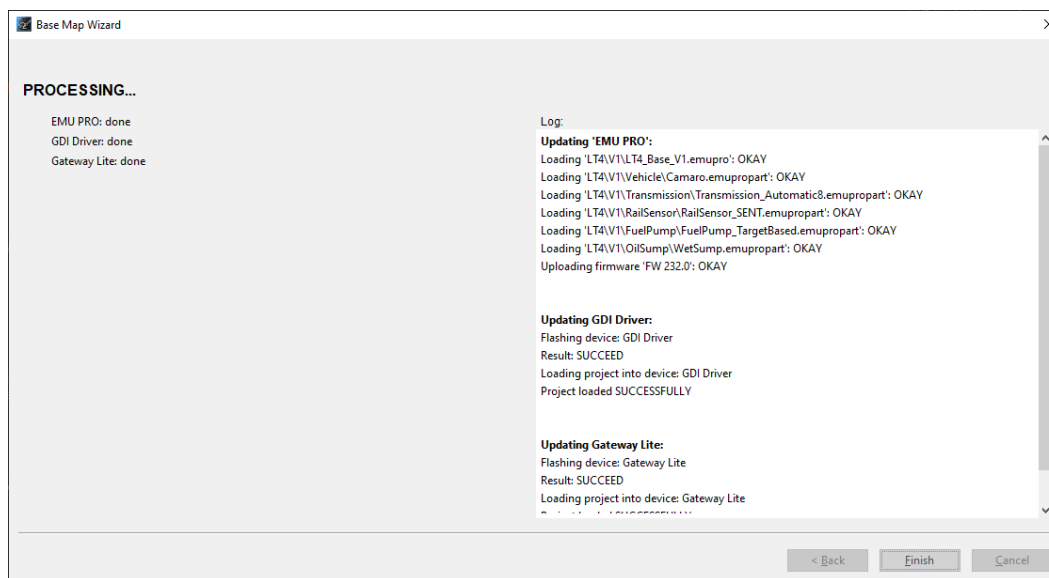
- stable power supply to all devices (EMU PRO, GDI Driver etc.)
- stable power supply to the PC
- stable connection during the entire process

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



Warning:

This step is critical to avoid incorrect ECU operation.

2. Document history

Version	Date	Changes
1.0	2026.07.10	Initial release