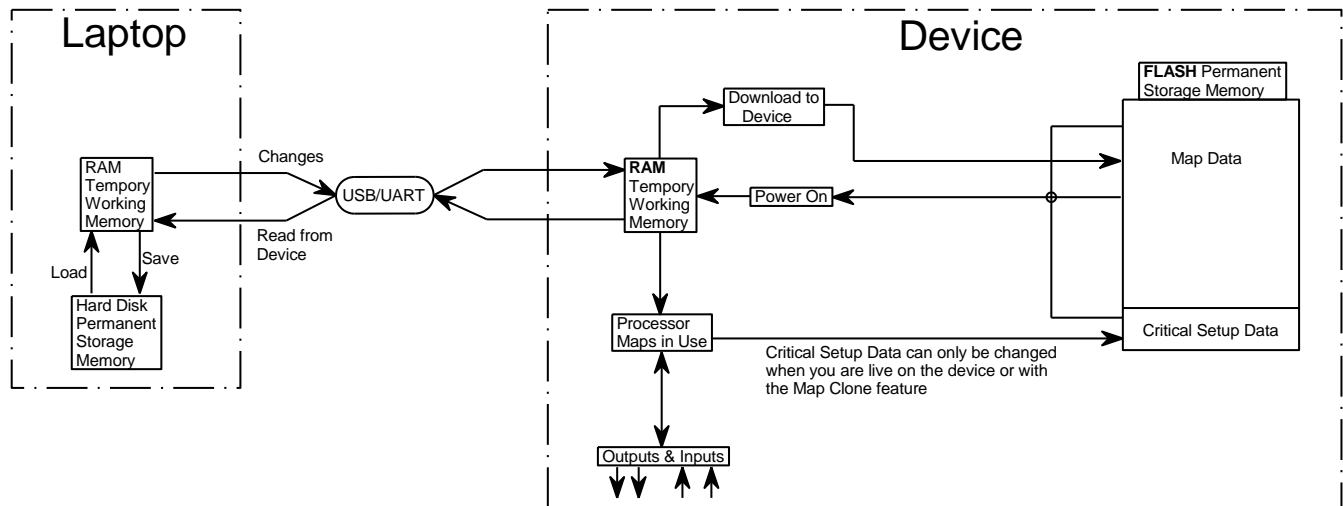


TCU Memory Handling in Ver 3.6

Memory

The Memory handling in Ver 3.6 Firmware is changed so that the critical values cannot be changed by loading a map. It is saved in a separate space in the flash memory. These values can only be changed by adjusting them on a connected device or by Cloning a Map or Tune file into the device. These values will stay the same for all four tuning maps.

Below is a block diagram of the map memory and how map data is handled.



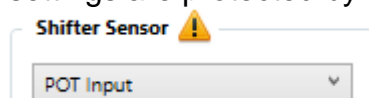
The memory is divided into 2 categories. Map data and Critical setup data. Below is a description of the different memory spaces:

Map Data

In this block all the normal tuning settings and graphs are saved. If you load a map file, this will be overwritten

Critical I/O setup data

The memory holds settings that will alter calibrations and setup of the device. They are part of the normal setup data but are critical not to change during a map load function. This memory can never be overwritten by loading a map except with the clone function. One way to change these settings is online with the device connected, and then save it to the device. The other is by the Cloning function. So be careful if you load a map on a working engine not to use the clone function. All these settings are protected by an indicator and warning message.



WARNING!



WARNING: Injection Type

The setting you are about to change will alter the Input or Output positions of your connections which may damage the ECU or your components on the engine. It is strongly advised to disconnect the output connectors from the ECU and confirm that wiring on your Engine correlates to the connections printed from the GP Layout in the software.

If you don't want to change the setting on the device then click the **Cancel** button.

If you like to change the setting in the software, click the **Ok** button.

 Cancel


 Ok


The TCU Critical settings

Speedometer Output Calibration


Speedometer Output

☒ Speed output active

 Pulses



Speedometer Calibration




RPM Calibration

Engine Configuration

Cylinders

Pulses/RPM



Speed Calibration



☒ Speed




Transmission Configuration


Speed Sensor Pulses/RPM




TPS Calibration




☒ TPS




Oil Temperature Calibration




Oil Temperature Sensor



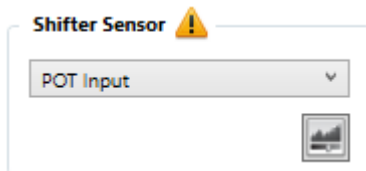
Low Range Selection



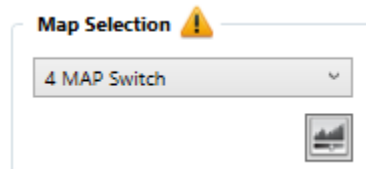
☒ Low Range Switch [Negative]



Shifter Sensor Type and Calibration



Map Selection Type and Calibration



Cloning



Cloning means copying a device map exactly onto another device. This process will save all the settings including the critical setup data exactly as the map that is saved. This is handy for builders that use the same engines and drivetrains in different builds. It is also handy to load a startup map of a similar engine in the device to assist new customers. It will load the map in four maps exactly the same values.