

# Quickshifter configuration guide

This guide explains the configuration of the quickshifter through workshop or end user.

## Requirements:

- Installed Keihin A518-XXXXXX ECU with custom firmware
- Installed hour meter, tachometer or EFI/Fi/CEL indicator
- Working and connected gear position sensor
- Gearbox: Shift forks and shift drum in good condition



EFI/Fi light visible on original hourmeter



CEL visible on aftermarket Koso tachometer

## Configuration mode:

### Start:

To start the gear configuration mode, you to follow these steps:

- **[Turn off]** the engine if its running and **[wait]** until 12V relay turned off (usually 15 seconds)
- **[Press]** and **[release]** the electric start button quickly but do **NOT** start the engine  
(This turns the engine rotor quickly, starts the ECU but not the engine)
- **[Press]** the kill switch and **[twist]** the throttle fully
- The EFI/Fi/CEL indicator will turn **ON**

--- You are now in gear configuration mode! ---

### Calibrate gears:

**Before calibrating gears make sure your engine and gearbox are fully on operating temperature!**

To calibrate the gear sensor values you have to **[press]** the kill switch in each gear at least **once!**  
In the moment you press the kill switch the EFI/Fi/CEL indicator will turn **OFF**

- **[Engage]** 1 gear, **[press]** killswitch
- **[Engage]** N gear, **[press]** killswitch
- **[Engage]** 2 gear, **[press]** killswitch
- **[Engage]** 3 gear, **[press]** killswitch
- **[Engage]** 4 gear, **[press]** killswitch
- **[Engage]** 5 gear, **[press]** killswitch
- **[Engage]** 6 gear, **[press]** killswitch (only if 6 speed transmission)

--- The gears are only temporarily saved! ---

### Save & exit:

To save the full configuration you have to **[start]** the engine.

The EFI/Fi/CEL indicator will turn **OFF**

You can immediately start riding your bike or turn the engine off.

--- The gears are now permanently saved! ---

### Abort:

In case you want to abort the config and exit the configuration mode you can **[twist]** the throttle fully.

--- The gears are not saved! ---

### Restart:

You can restart the whole procedure at any time.

Just note that the start of the configuration mode is only possible in the **first minute!**

**[Mandatory action]** **[Only mandatory if condition is met]**

Severin Schmid (info@sevtix.com)

05.10.2025