AiM Infotech

MyChron5
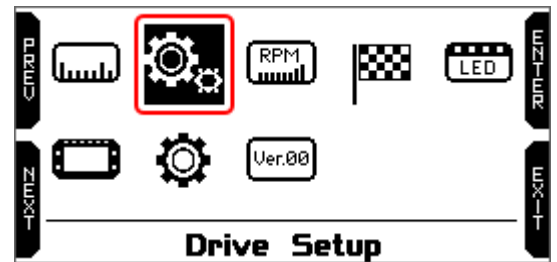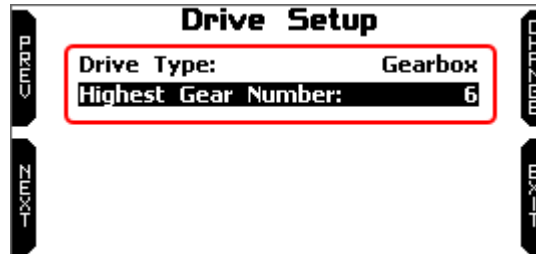# Gear Calibration procedure

Release 1.00

1

MyChron5 configuration

To perform MyChron5 gear calibration, press "MENU" and follow this path: Config Params –> Drive Setup.
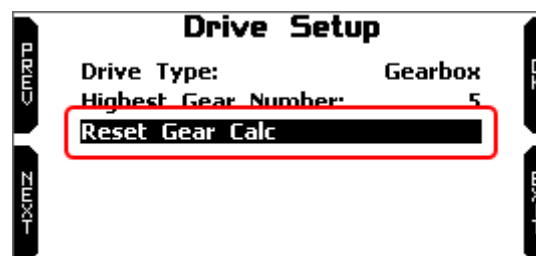

Press "ENTER" and set the page that shows up as follows:
- Drive Type: Gearbox
- Highest Gear Number: 6

Once gear calculation performed "Reset Gear Cal" option is available to clear previous calibration and perform a new one.

Press "EXIT" to go back to the home page.

2
Preliminary recommendations

It is recommended to use AiM MyChron Expansion with the axle wheel speed sensor connected to get the best result with the gear calculation. In this case it is also possible to perform the calibration on the kart stand.

Avoid any kind of tire spin, drive smoothly with the engine gradually accelerating. It is not necessary to reach the highest revs during the learning lap

If no wheel/axle speed is installed, the reference speed will be the one from GPS, in this case wait for a good satellite signal before starting your learning lap. In this situation a smooth driving is even more important.

3
Learning lap

As soon as the kart starts moving, the first 20 seconds will be used for the very first calculation. Within this period it is recommended to engage all gears for about 3 seconds each. Make sure the first gear is engaged for a longer time (approx 5 secs), because it probably won't be selected anymore during your learning lap.

After you have selected the first 4 gears, the display will start showing a gear number, possibly one more than real, go on upshifting and you will get the correct indication when the last gear has been selected.

Start downshifting and check if all gears are now correctly indicated. If they aren't, keep selecting them all, for longer periods (i.e. 6 seconds each), this will let the calculation to recover those ratio that have not been correctly recognized.

The calculation is over once all gears have been assigned.