User Manual
MyChron6 for Rotax E10
Release 1.00



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1 – The system

Starting from firmware version 2.84.04 AiM has developed a MyChron6 version properly dedicated to Rotax E10 electric kart. This user manual explains how to connect and configure it.

Please note: for any other information about MyChron6 working mode refer to the logger user manual available on documentation area of www.aim-sportline.com.

2 – Kits and spare parts

MyChron6 for Rotax E10 kart kit part number is: **XM6RTE10**

It includes:

- MyChron6 (**1**)
- CAN Connection harness (**2**)
- USB C cable (**3**)



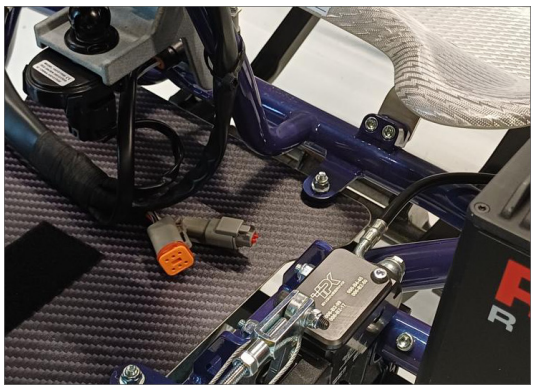
2.1 – Spare parts

Available spare parts are:

- CAN Cable **V02602070**
- USB Type C harness **X90TMPC101010**

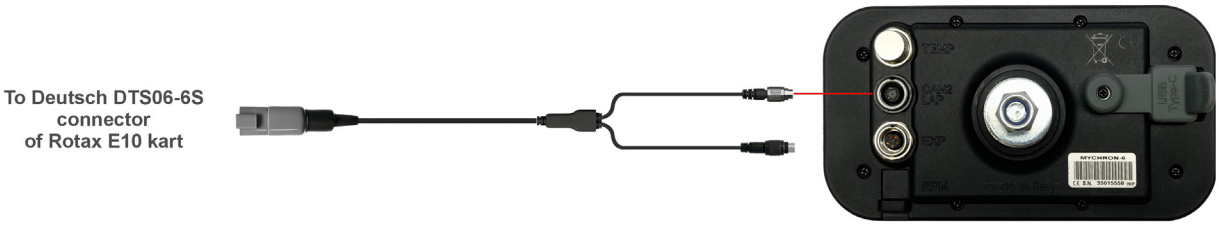
3 – Connection of MyChron6 to Rotax E10 kart

Rotax E10 kart features a 6 pins DT06-6S Deutsch female connector shown here below on the right.





With reference to the image below, to connect the kart to MyChron6 use the CAN cable (part number V02602070) you find in the kit; plug it in the 8 pins Binder 712 female connector labelled “CAN2/LAP” and in the DTS06-6S Deutsch connector you find on the kart.



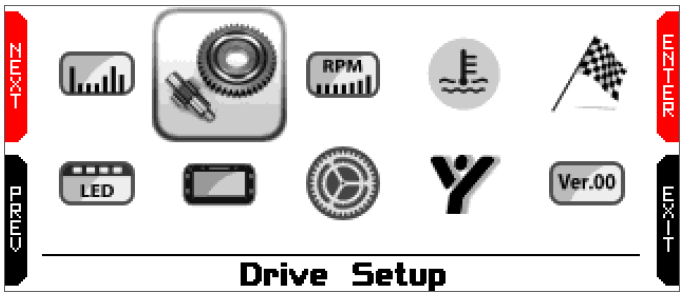
4 – MyChron6 configuration

For MyChron6 to properly sample, record and display data coming from the kart engine you need to configure it through the system keyboard setting the ECU Protocol and the fields where channels are to be displayed.

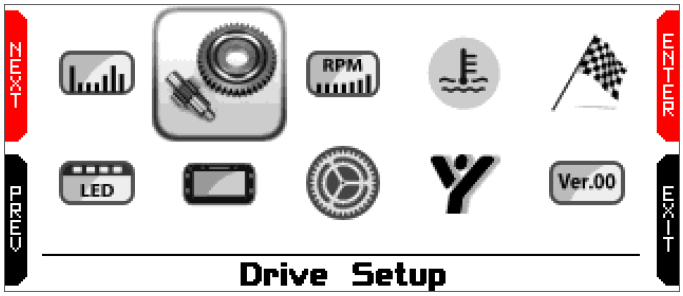
4.1 – Setting MyChron6 as connected to Rotax E10 ECU

To set MyChron6 as connected to Rotax E10 ECU follow these steps.

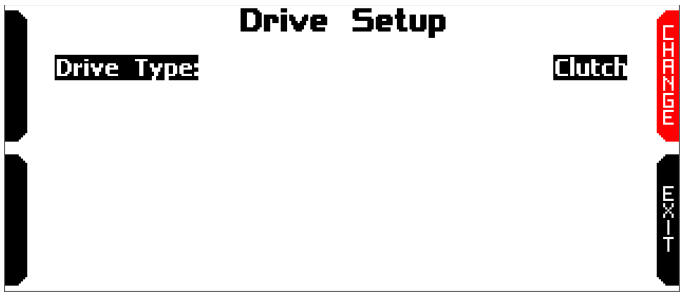
- Press “MENU” button
- Press “NEXT” and scroll up to “System Settings”
- Press “ENTER”



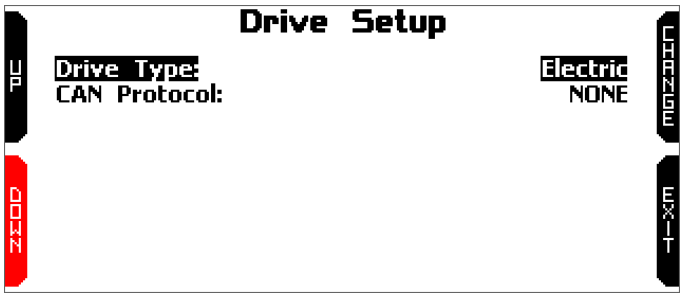
- Press “NEXT”
- Scroll up to “Drive Setup”
- Press “ENTER”



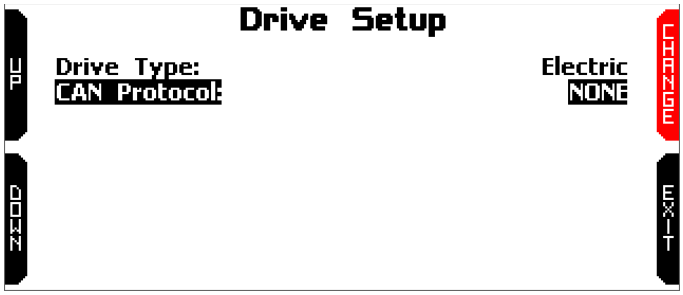
- Press “CHANGE”
- Select “Electric”



- Press “DOWN”

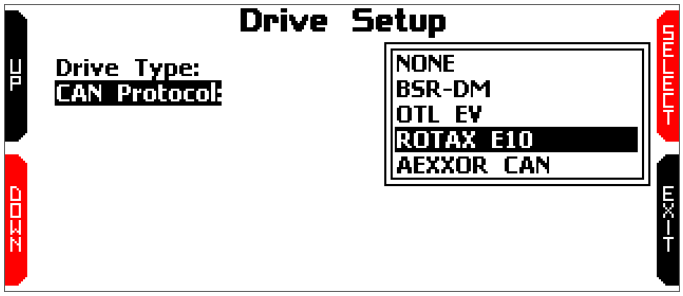


- Press “CHANGE”



Available ECU protocols menu is prompted:

- Press “DOWN” and scroll up to “ROTAX E10”
- Press “SELECT”



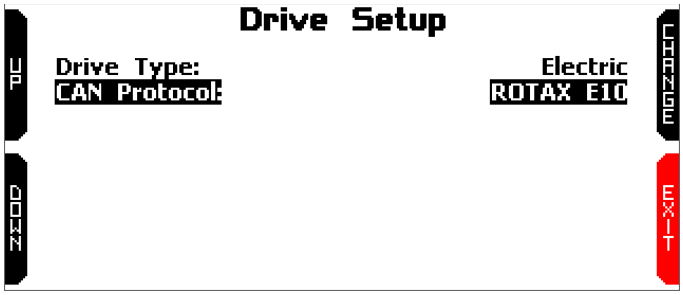
The system asks for confirmation:

- Press “YES”



The system resets and shows the selected protocol.

- Press “EXIT”



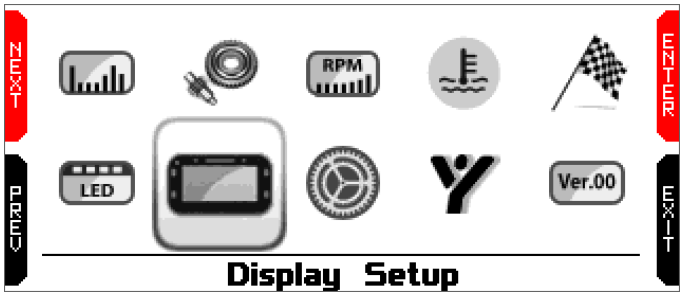
4.2 – Setting MyChron6 display

For MyChron6 to show the desired channels it is necessary to set the logger display up following these steps.

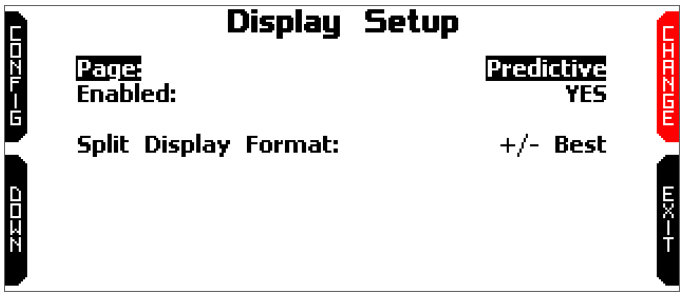
- Press “MENU”
- Press “NEXT” and scroll up to “System Settings”
- Press “ENTER”



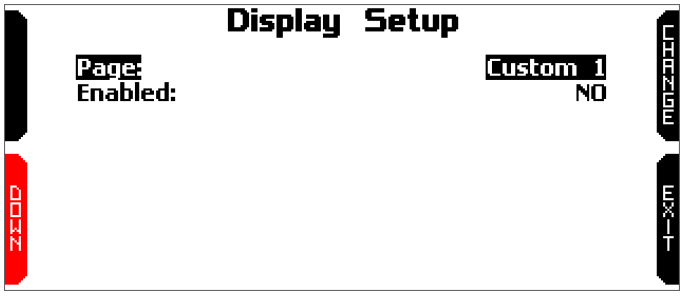
- Press “NEXT” and scroll up to “Display Setup”
- Press “ENTER”



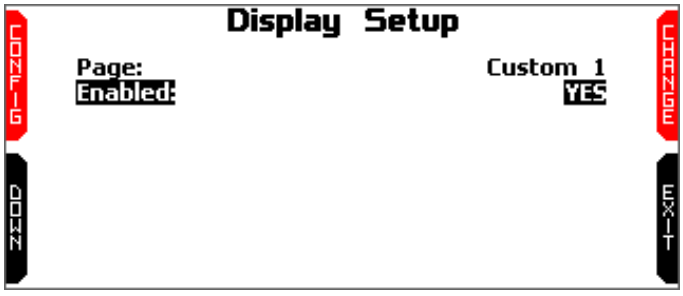
- Press “CHANGE”



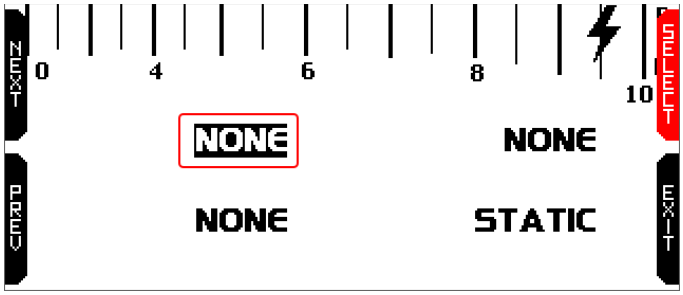
- When the system shows “Custom 1” press “DOWN”



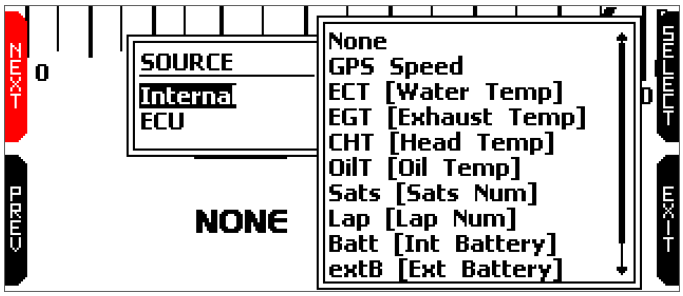
- Press “CHANGE”
- Press “CONFIG”



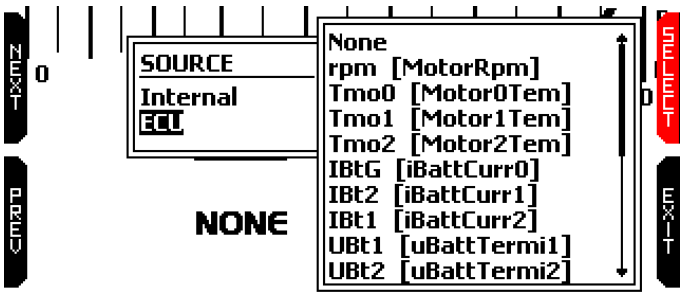
- Choose the field where to show the channel
- Press “SELECT”



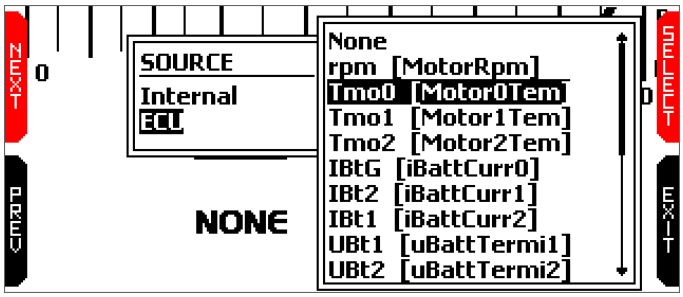
- Press “NEXT”



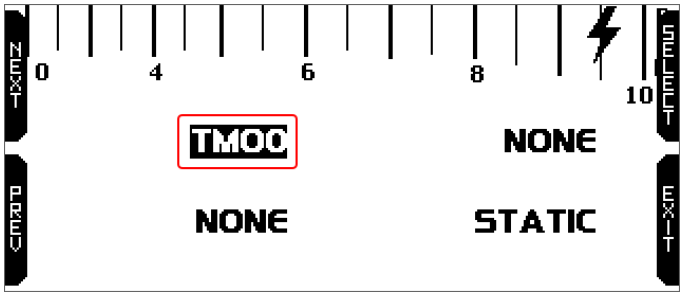
- Press “SELECT”



- Press “NEXT” up to the channel to show
- Press “SELECT”



The system leaves configuration and shows the desired field set.



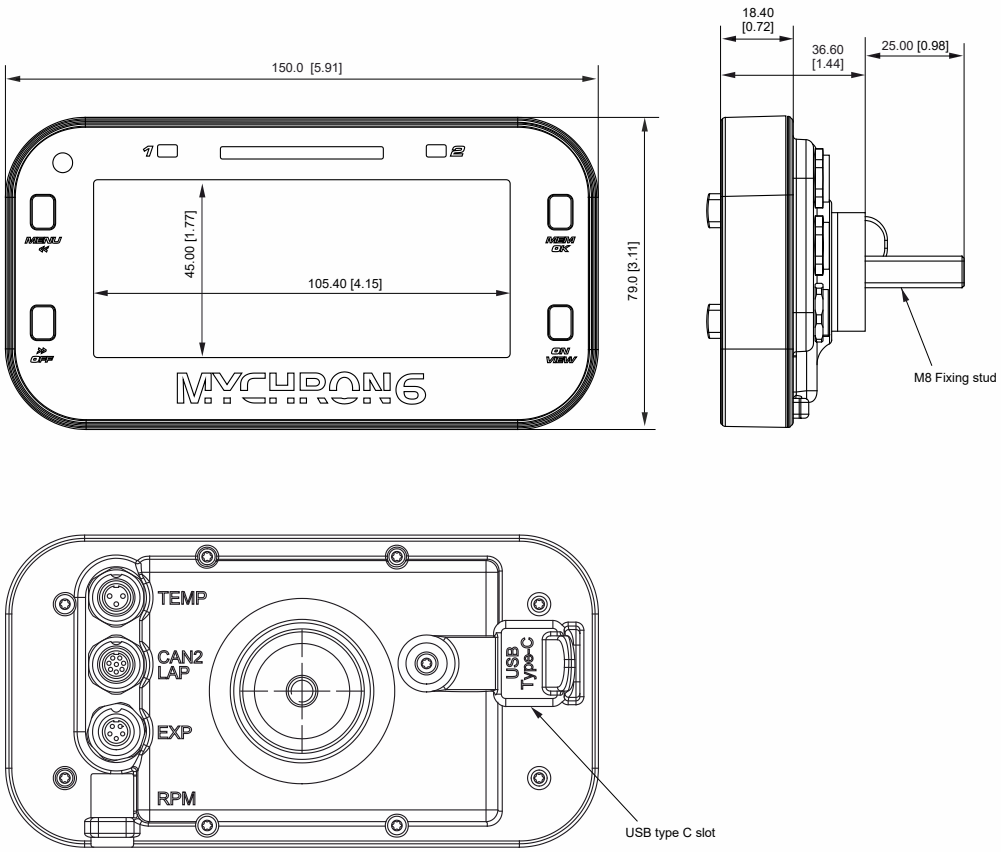
5 – Channels sampled by MyChron6 connected to E10 kart

Channels received by MyChron6 connected to Rotax E10 engine are:

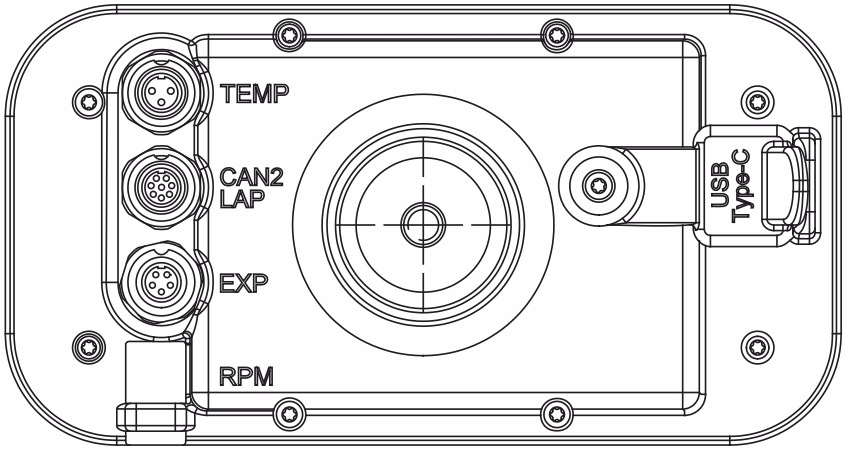
CHANNEL NAME	CHANNEL FUNCTION
MotorRpm	Engine RPM
Motor0Tem	Temperature
Motor1Tem	Temperature
Motor2Tem	Temperature
iBattCurr0	Current
iBattCurr1	Current
iBattCurr2	Current
uBattTermi1	Voltage
uBattTermi2	Voltage
stBtnStrtS	Number
stBtnBoost	Number
ThrottleF	Throttle Load Percentage
BoostStat	Number

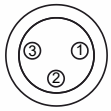
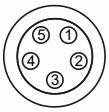
6 – Technical drawings

MyChron6 dimensions in mm [inches]:



MyChron6 pinout:



TEMP 3 pins Binder 712 female connector (external view)	CAN2 LAP 8 pins Binder 712 female connector (external view)	EXP 5 pins Binder 712 female connector (external view)
 1 - Thermocouple+ 2 - GND/Thermocouple - 3 - Thermoresistor	 1 - CAN2 H 2 - CAN2 L 3 - Digital Out 4 - Optical Lap 5 - +Vb Out 6 - GND 7 - Magnetic Lap 8 - Reserved	 1 - CAN+ Exp 2 - GND 3 - +Vbout CAN 4 - CAN- Exp 5 - +Vbext CAN

MyChron6 – Rotax E10 kart CAN connection cable.

V02602070 MyChron6 cable for Rotax E10 kart

