AiM User Guide

GET GP1 EVO and GET Power ECU for SoloDL

Release 1.00

This user guide explains how to connect GET GP1 EVO and GET Power ECU to AiM SoloDL. These ECUs are aftermarket products mainly installed on Honda, Suzuki, Kawasaki, Yamaha, Husquarna and KTM bikes. Please refer to GET website "www.getdata.it" to know supported bike models.

1 Installation notes

To install SoloDL on your bike you can use a bar pad. AiM provides the two optional bar pads shown below:

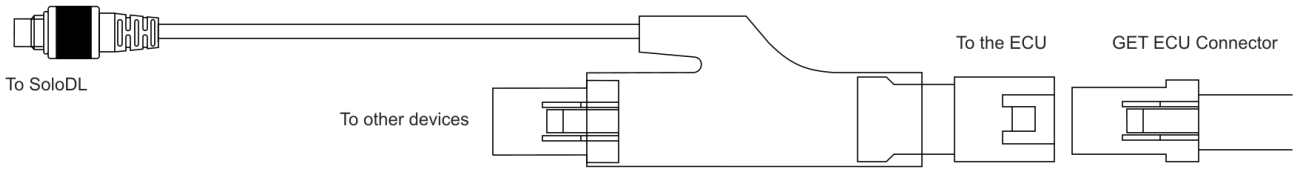
- bar pad for handle bar with cross brace – part number: **DNKTKPMSOL1** image on the left;
- bar pad for handle bar without cross brace – part number: **DNKTKPMSOL0** image on the right.

GET GP1 EVO and GET Power ECUs can be connected to SoloDL using an interface cable shown here below. Its part number is: **V02569250**.

GET GP1 EVO and GET Power ECUs have a connector used to communicate data to an external device and highlighted here below.

Please note: GET ECU does not power SoloDL. It is thereby recommended to always ensure that SoloDL battery is charged.

In case GET ECU is already connected to an external device it is possible to maintain this connection using AiM cable. As explained in the drawing below, GET ECU can be connected to AiM cable male connector labelled “To the ECU” and the third device can be connected to the ECU through AiM cable female connector labelled “To other devices”.

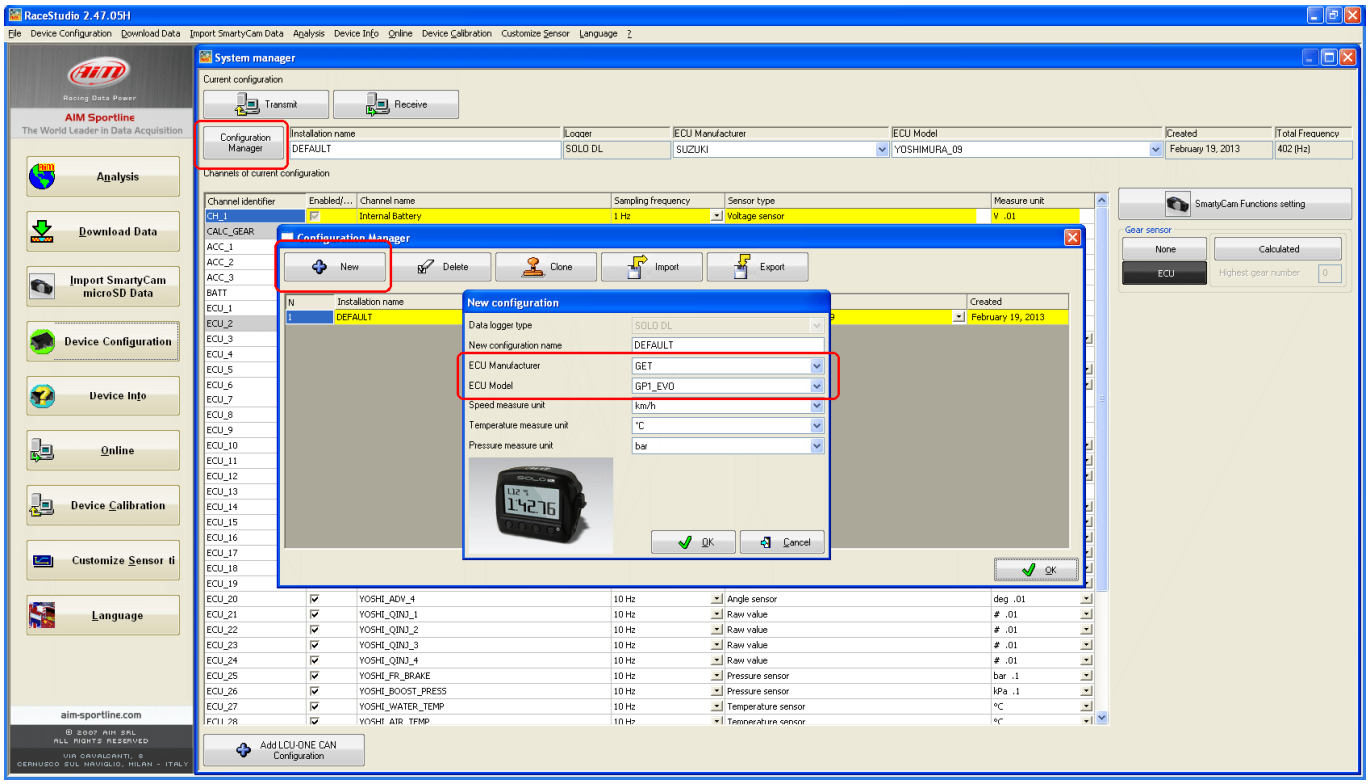


ECU connector has a cap on it. If nothing else is connected to the ECU remove the cap and place it on AiM cable female connector (labelled “to other devices” here above) and connect AiM cable male connector to the ECU female connector.

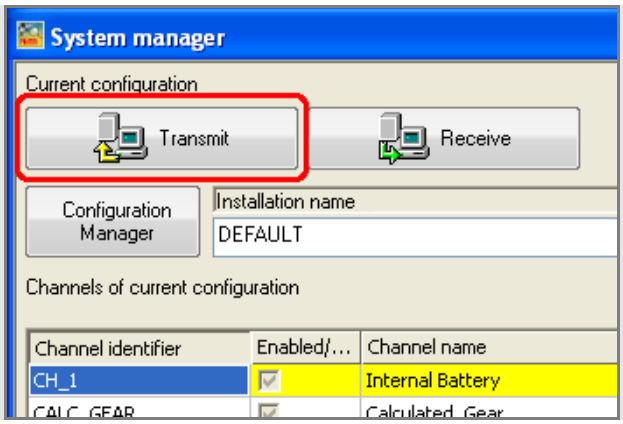
2
SoloDL configuration

Before connecting SoloDL to the ECU, set it up using Race Studio 2 software. Run the software and press “Device Configuration” on the software left keyboard: select “SoloDL” in the panel that shows up as here below.

The software shows SoloDL configuration page: press “Configuration Manager” and select the configuration you want to use or press “New” to create a proper one. In this second case “New configuration” panel appears: select ECU Manufacturer “GET” and ECU Model “GP1_EVO” as here below.



Confirm pressing “OK” in both panels and transmit the configuration to SoloDL pressing “Transmit” as here below.



3
GET “GET GP1_EVO” protocol

Channels received by SoloDL connected to GET GP1_EVO protocol are:

ID	CHANNEL NAME	FUNCTION
ECU_1	ECU_RPM	RPM
ECU_2	ECU_TPS	Throttle position
ECU_3	ECU_MAP	Manifold air pressure
ECU_4	ECU_TH2O	Engine coolant temperature
ECU_5	ECU_TAIR	Intake air temperature
ECU_6	ECU_TOIL	Oil temperature
ECU_7	ECU_VBB1	Battery supply 1
ECU_8	ECU_VBB2	Battery supply 2
ECU_9	ECU_BARO	Barometric pressure
ECU_10	ECU_LAMBDA1AVG	Lambda 1 Average value
ECU_11	ECU_LAMBDA1RAW	Lambda 1 raw value
ECU_12	ECU_KLAMBDA1	Lambda 1 correction
ECU_13	ECU_INJ_TIME	Injection time
ECU_14	ECU_SPARK_1	Spark angle 1
ECU_15	ECU_PHASE	ECU phase
ECU_16	ECU_SPEED1	Speed 1
ECU_17	ECU_SPEED2	Speed 2
ECU_18	ECU_MAPPA	Selected map
ECU_19	ECU_GEAR	Engaged gear
ECU_20	ECU_DTPS	Throttle position derivative
ECU_21	ECU_DECAYINJ	Differential injection revs 1
ECU_22	ECU_CINJ_DFARF	Throttle derivative control during injection time
ECU_23	ECU_KINJTH2O	Water temperature correction during injection time
ECU_24	ECU_KINJTAIR	Air temperature correction during injection time
ECU_25	ECU_REVS	ECU revolutions in counts