AIM Infotech

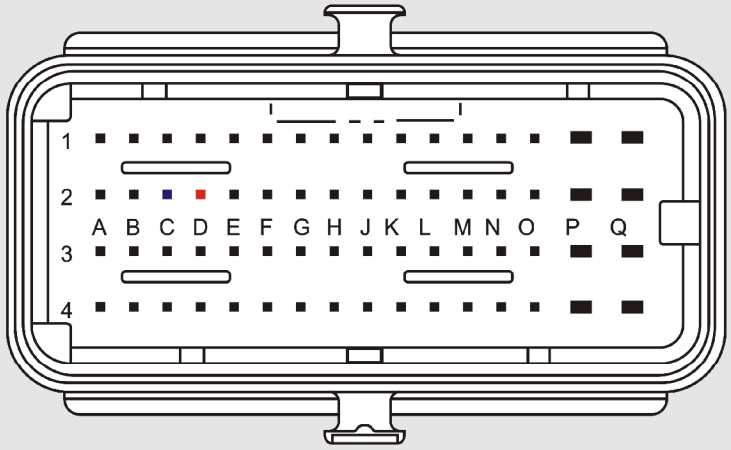
GET KM3 EVO ECU

Release 1.00

This tutorial explains how to connect Get KM3 EVO to AIM devices.

1
CAN communication setup

Get KM3 EVO ECU communicates using the CAN Bus on the 64 pins front connector. Here below are the 64 pins connector and the connection table.



64 pins Connector pin	Pin function	AIM cable label
C2	CAN Low	CAN-
D2	CAN High	CAN+

2
AIM Logger configuration

Once the ECU connected to the logger, this last one is to be configured as connected to that ECU.

Run Race Studio 2 software and follow this path:

- Device Configuration –> Select the device you are using;
- select the configuration or press “New” to create a new one;
- select ECU manufacturer “Get” and ECU Model “KM3_EVO”;
- transmit the configuration to the device pressing “Transmit”.

3
Available channels

Channels received by AIM devices connected to Get KM3 EVO are:

ID	CHANNEL NAME	FUNCTION
ECU_1	ECU_RPM	RPM
ECU_2	ECU_SPEED1	Speed 1
ECU_3	ECU_SPEED2	Speed 2
ECU_4	ECU_TPS	Throttle position sensor
ECU_5	ECU_TH2O	Engine cooling temperature
ECU_6	ECU_TAIR	Intake air temperature
ECU_7	ECU_TOIL	Oil temperature
ECU_8	ECU_MAP	Manifold air pressure
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_OFFINJVBAT	Injection battery supply off
ECU_13	ECU_GPA_INDEX	GPA Index
ECU_14	ECU_KLAMBDA1	Lambda 1 counter
ECU_15	ECU_MAP_ACT	Selected Map
ECU_16	ECU_VBB1	Battery supply 1
ECU_17	ECU_VBB2	Battery supply 2
ECU_18	ECU_VBB3	Battery supply 3
ECU_19	ECU_INJ_TIME	Injection time
ECU_20	ECU_SPARK	Spark angle
ECU_21	ECU_PHASE	ECU phase
ECU_23	ECU_DTPS_PLUS	Throttle position sensor max value derivative
ECU_24	ECU_DTPS_MINUS	Throttle position sensor min value derivative
ECU_25	ECU_DECAYINJ1	Differential injection revs 1
ECU_26	ECU_DECAYIGN1	Differential ignition revs 1

ECU_28	ECU_CINJDFARF1	Throttle derivative control during injection 1
ECU_29	ECU_CSPKDFARF1	Throttle derivative control during spark 1
ECU_30	ECU_DECAYINJ2	Differential injection revs 2
ECU_31	ECU_DECAYIGN2	Differential ignition revs 2
ECU_32	ECU_CINJDFARF2	Throttle derivative control during injection 2
ECU_33	ECU_CSPKDFARF2	Throttle derivative control during spark 2
ECU_34	ECU_KINJTH2O	Water temperature control during injection time
ECU_35	ECU_KINJTAIR	Air temperature control during injection time
ECU_36	ECU_KINJTBARO	Barometric pressure control during injection time
ECU_37	ECU_KSPARKTH2O	Water temperature control during spark time
ECU_38	ECU_KSPARKTAIR	Air temperature control during spark time
ECU_39	ECU_KSPARKBARO	Barometric pressure control during spark time