AiM Infotech

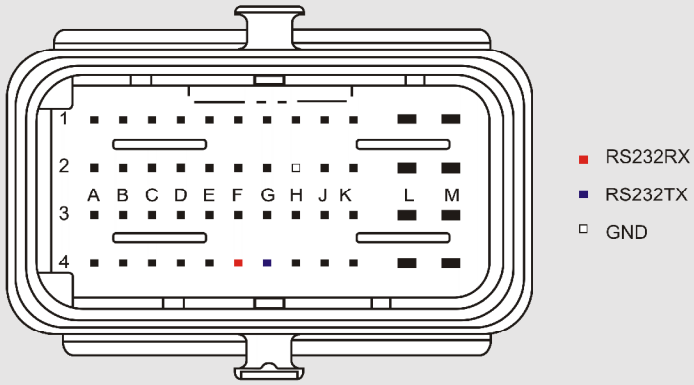
GET HPUG ECU

Release 1.00

This tutorial explains how to connect Get HPUG ECU to AiM devices.

1 Serial communication setup

Get HPUG ECU communicates using the serial protocol on the 48 pins front male connector. Here below are 48 pins connector pinout and connection table. **Please note**: pins are numbered on the connector.



48 pins Connector pin	Pin function	AiM cable label
F4	RS232RX	RS232TX
G4	RS232TX	RS232RX
H2	GND	GND

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 “HPUG”;
- transmit the configuration to the device pressing “Transmit”.

3
Available channels

Channels received by AiM devices connected to Get HPUG protocol are:

ID	CHANNEL NAME	FUNCTION
ECU_1	ECU_RPM	RPM
ECU_2	ECU_SPEED	Speed
ECU_3	ECU_TPS	Throttle position sensor
ECU_4	ECU_DTPS_POS	Throttle position sensor positive derivative
ECU_5	ECU_DTPS_NEG	Throttle position sensor negative derivative
ECU_6	ECU_MAP	Manifold air pressure
ECU_7	ECU_BAP	Barometric air pressure
ECU_8	ECU_AIRT	Intake air temperature
ECU_9	ECU_ENGT	Engine temperature
ECU_10	ECU_LBDA1	Lambda value 1
ECU_11	ECU_LBDA2	Lambda value 2
ECU_12	ECU_LBDA_T	Lambda temperature
ECU_13	ECU_KLBDA1	Lambda correction 1
ECU_14	ECU_KLBDA2	Lambda correction 2
ECU_15	ECU_INJT1	Injection time 1
ECU_16	ECU_INJT2	Injection time 2
ECU_17	ECU_SPARK1	Engine spark 1
ECU_18	ECU_SPARK2	Engine spark 2
ECU_19	ECU_PHASE1	Engine phase 1
ECU_20	ECU_PHASE2	Engine phase 2
ECU_21	ECU_IDLE_VALVE	Idle valve
ECU_22	ECU_ACTIVBLOCK	Active block
ECU_23	ECU_NEUTRAL	Neutral signal
ECU_24	ECU_BATT_V	Battery supply
ECU_25	ECU_ERCOUNTER	Error counter