



AIM Infotech

KTM X Bow

Release 1.03

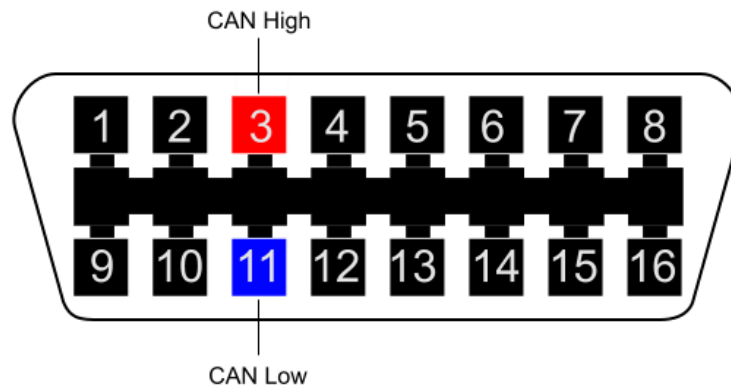


This tutorial explains how to connect KTM X-Bow ECU to AiM loggers using the CAN Bus.
For any further information concerning ECU firmware / software settings and/or upgrading it is always recommended to address to the ECU dealer.

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Wiring connection

KTM X-Bow ECU features a bus communication protocol based on CAN on the OBDII plug placed under the steering wheel; its pinout is shown below.



OBDII connector pin	Function	AiM cable
3	CAN High	CAN+
11	CAN Low	CAN-

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AiM device configuration

Before connecting the ECU to AiM device set this up using AiM Race Studio software. The parameters to select in the device configuration are:

- ECU manufacturer "KTM"
- ECU Model "X-BOW";

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Available channels

Channels received by AIM loggers connected to "KTM" "X-BOW" protocol are:

ID	CHANNEL NAME	FUNCTION
ECU_1	KTM_RPM	RPM
ECU_2	KTM_WH_SPD_FL	Front left wheel speed
ECU_3	KTM_WH_SPD_FR	Front right wheel speed
ECU_4	KTM_WH_SPD_RL	Rear left wheel speed
ECU_5	KTM_WH_SPD_RR	Rear right wheel speed
ECU_6	KTM_PPS1	Pedal position sensor 1
ECU_7	KTM_PPS2	Pedal position sensor 2
ECU_8	KTM_TPS	Throttle position sensor
ECU_9	KTM_WATER_TEMP	Water temperature
ECU_10	KTM_INTK_AIR_T	Intake air temperature
ECU_11	KTM_BRAKE_SW	Brake switch
ECU_12	KTM_BOOST	Boost
ECU_13	KTM_GEAR	Engaged gear
ECU_14	KTM_GBOX_TEMP	Gear box temperature
ECU_15	KTM_GBOX_POTI	Gear box potentiometer
ECU_16	KTM_GBOX_TVOLT	Gear box temperature voltage
ECU_17	KTM_CLUTCH_SW	Clutch switch
ECU_18	KTM_TORQUE	Torque
ECU_19	KTM_TORQUE_LOSS	Torque loss
ECU_20	KTM_TORQUE_DES	Desired torque

Technical note: not all data channels outlined in the ECU template are validated for each manufacturer model or variant; some of the outlined channels are model and year specific and therefore may not be applicable.