

AiM InfoTech

KTM – XBOW
GTX and GT2
From 2020

Release 1.00



ECU





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Models and years

This document explains how to connect AiM devices to the vehicle Engine Control Unit (ECU) data stream.

Supported models and years are:

- XBOW GT2 from 2020
- XBOW GTX from 2020

2 Wiring connection

These cars feature a bus communication protocol based on CAN on the DTM 6 pins male connector labeled "FIA_CAN_D_2", placed on the right-hand of the central tunnel passenger side. For this installation refer to the following pinout of the DTM connector and connection table.



"DTM" conn. 6 pins	Function	AiM cable	AiM color cable
1	Ground	GND	Black
4	V Battery	V Batt	Red
5	CAN High	CAN +	White
6	CAN Low	CAN -	Blue

3 Race Studio configuration

Before connecting the AiM device to the ECU, set all functions using AiM software Race Studio. The parameters to set in the device configuration are:

- ECU manufacturer: **KTM**
- ECU Model: **X – Bow GTX GT2 (RS3 Only)**

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"KTM – X – Bow GTX GT2" protocol

Channels received by AiM devices configured with "KTM – X - Bow GTX GT2" protocol are:

CHANNEL NAME	FUNCTION
RPM	Engine RPM
Turbo Speed	Turbo speed pressure
Gear	Engaged gear
Wheel Speed FR	Front right wheel speed
Wheel Speed FL	Front left wheel speed
Wheel Speed RL	Rear left wheel speed
Wheel Speed RR	Rear right wheel speed
Coolant Temp	Engine coolant temperature
Inlet Air Temp	Intake air temperature
Engine Oil Temp	Engine oil temperature
BlowOff Temp	Blow OFF temperature
Fuel Temp	Fuel temperature
Gearbox Temp	Gearbox temperature
Engine Oil Press	Engine oil pressure
Front Brake Pr	Front brake pressure
Rear Brake Pr	Rear brake pressure
Fuel Press	Fuel pressure
Inlet Man Press	Inlet manifold air pressure
BlowOff Press	Blow OFF pressure
Boost Press	Boost pressure
Steering Angle	Steering wheel angle position
Ignition Timing	Ignition timing
Throttle Pedal	Throttle pedal position
Throttle Pos	Throttle position sensor
Inlet Manif Flap	Inlet manifold flap



Fuel Closed Loop	Fuel closed loop
Fuel Used 01	Fuel used 01
Fuel Used	Fuel used
Lambda	Lambda value
EShift Encod	Shift encoder

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