

AiM Info Tech

KTM 250/300 SX  
250/300 XC  
From 2023

Release 1.00

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## 1 Models and years

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

Supported models and years are:

KTM – 250/300 SX  
KTM – 250/300 XC

from 2023 onwards  
from 2023 onwards

## 2 Kit content and part number

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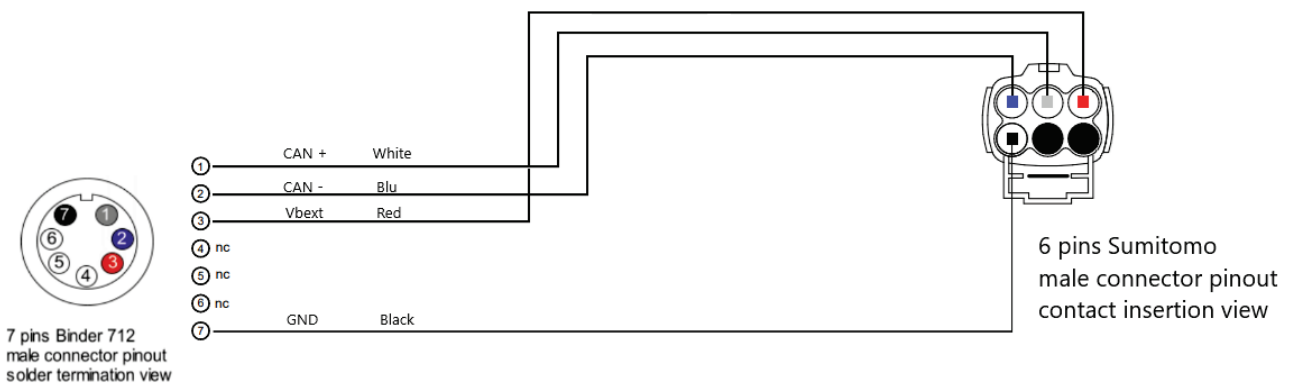
KTM bikes kit for Solo 2DL part number is: **V02589180CBP10**. It contains:

- 1 Bar Pad for bikes without cross brace for Solo 2DL with thermoformed cover, Velcro already mounted and fixing plate (1)
- 4 - 3x12 screws (2)
- 1 cable for KTM (3)



KTM cable (3) – part number **V02589180** and Bar Par for Solo 2DL (1) – part number **X47KPSOLO2T10** – can be bought separately as spare parts.

The draw here below shows constructive scheme of cable **V02589180**.



### 3

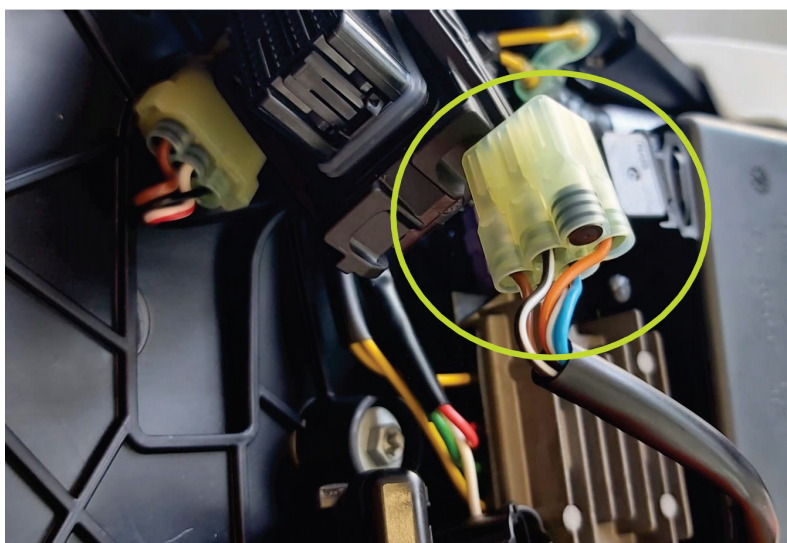
## Installation and connection

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To install Solo 2DL on your KTM bike remove the original bar pad and install AiM bar pad. Images here below show the original bar pad on the left and AiM one on the right.



To install the Solo 2DL on KTM bikes use the grey Sumitomo female connector placed under the seat bike as highlighted in the picture below.



## 4

# Race Studio 3 configuration

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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: **A450 2stroke** (RS3 only)

## 5

# "KTM – A450 2stroke" protocol

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Channels received by Solo 2DL configured with "KTM - A450 2stroke" protocol are:

<b>CHANNEL NAME</b>	<b>FUNCTION</b>
RPM	Engine RPM
Throttle Pos	Throttle position sensor
Throttle Pos Volt	Throttle position sensor voltage
Quickshifter	Quick shifter
ExhaustGas Valve	Exhaust gas valve sensor
Coolant Temp	Engine coolant temperature
Ignition angle	Ignition angle
ECU LOG GEARP	Gear
MAP 2 LED	Led map 2
TC LED	Traction control led
MAP 1 LED	Led map 1
Quickshifter SW	Quick shifter switch
Map 1 SW	MAP 1 switch
Map 2 SW	MAP 2 switch
TC Sw	Traction control switch
BaroPress	Barometric pressure



Hourmeter	Hour meter
ActFuelCoeff	ACT Fuel coefficient
ActExhValveCoeff	ACT Exhaust valve coefficient
ActIGNCoef	ACT Ignition coefficient

**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.