

AiM InfoTech

BRP – Can-Am  
Maverick

Release 1.00

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# 1 Supported models

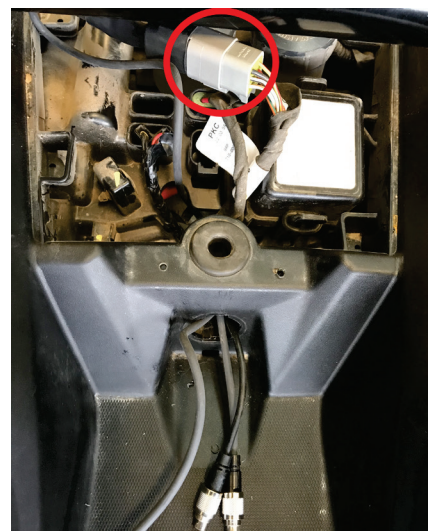
This document explains how to connect AiM devices to the vehicle Engine Control Unit (ECU) data stream.

Supported models and years are:

- Maverick
- Maverick Trail
- Maverick Sport

# 2 Wiring Connection

These models feature a specific manufacturer protocol based on CAN, accessible through the Deutsch DTM 6 pins female connector plug placed above the lighter socket. 2018 and older models the diagnostic connector is situated in the glove box. For this installation refer to the following pinout of the DTM connector and its connection table.



**DTM 6 pin**

- 1
- 2
- 3
- 6

**Function**

- CAN High
- CAN Low
- Ground
- V Batt

**AiM cable**

- CAN+
- CAN-
- GND
- V batt

**AiM color cable**

- White
- Blue
- Black
- Red

### 3

## Race Studio 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: **BRP**
- ECU Model: **CanAm S SV**

### 4

## “BRP – CanAm S SV” protocol

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Channels received by AiM devices configured with “BRP – CanAm S SV” protocol are:

<b>CHANNEL NAME</b>	<b>FUNCTION</b>
ECU_SportM	Mode selection Sport/ECO
ECU_FuelLv	Fuel level
ECU_OverRide	Override
ECU_Seatbeal	Seat belt
ECU_BrakeSw	Brake switch
ECU_DynPow	Dynamic power
ECU_Battery	Battery voltage
ECU_Odometer	Odometer
ECU_AWD	All wheel drive activation
ECU_VSpeed	Vehicle speed
ECU_RPM	Engine RPM
ECU_PPS	Pedal position sensor
ECU_TPS	Throttle position sensor
ECU_EngineTemp	Engine temperature
ECU_AmbT	Intake air temperature
ECU_BaroP	Barometric pressure



ECU_BoostP	Boost pressure
ECU_ManifAirPr	Manifold air pressure
ECU_IstFuelFlw	Fuel flow
ECU_ChkEng	Check engine light
ECU_KeyFlag	Key flag
ECU_Clutch	Clutch
ECU_CVTBel	CVT belt temperature warning
ECU_Chkt	Engine coolant temperature high
ECU_DiffLkDrv	Differential lock rejected
ECU_DiffLkRq	Differential lock requested
ECU_DiffLkSt	Current state of differential
ECU_Gear	Engaged gear
ECU_DPSCurr	Current used by Dynamic Power Steering module
ECU_DPSFault	Fault codes related to Dynamic Power Steering

**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.