



AiM Infotech

Turner Motorsport-BMW  
Bosch MS4 kit

Release 1.02



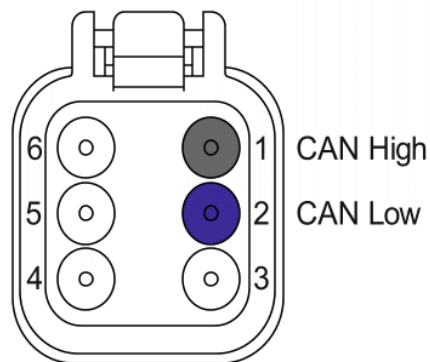
Devices

# 1

## Wiring connection

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This tutorial explains how to connect Turner Motorsport BMW Bosch MS4 ECU kit to AiM devices. This kit wiring features a DT06-6S Deutsch female connector. Here below you see the connector pinout contact insertion view on top and the connection scheme on bottom.



Deutsch connector pin	Pin function	AiM cable
1	CAN High	CAN+
2	CAN Low	CAN-

# 2

## AiM device configuration

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

- ECU manufacturer: "TURNER"
- ECU Model: "CUSTOM"

### 3

## Available channels

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Channels received by AIM devices connected to "TURNER" "CUSTOM" protocol are

<b>ID</b>	<b>CHANNEL NAME</b>	<b>FUNCTION</b>
ECU_1	ECU_RPM	RPM
ECU_2	ECU_THROTTLE	Throttle position sensor
ECU_3	ECU_ECT	Engine coolant temperature
ECU_4	ECU_IAT	Intake air temperature
ECU_5	ECU_MAP_POS	Selected map
ECU_6	ECU_IGN_ANG	Ignition angle
ECU_7	ECU_SPD_FR	Front right speed sensor
ECU_8	ECU_SPD_RR	Rear right speed sensor
ECU_9	ECU_SPD_FL	Front left speed sensor
ECU_10	ECU_SPD_RL	Rear left speed sensor
ECU_11	ECU_V_BATT	Battery supply
ECU_12	ECU_BARO	Barometric pressure
ECU_13	ECU_P_OIL	Oil pressure
ECU_14	ECU_LAMB_B1	Lambda value bank 1
ECU_15	ECU_LAMB_B2	Lambda value bank 2
ECU_16	ECU_MIL	Malfunctioning indication lamp
ECU_17	ECU_FUEL_CUT	Fuel cut
ECU_18	ECU_INJT_B1	Injection time bank 1
ECU_19	ECU_INJT_B2	Injection time bank 2
ECU_20	ECU_V_MAX	Vehicle speed limiter active
ECU_21	ECU_N_MAX	Engine speed limiter active
ECU_22	ECU_LAUNCH	Launch control switch active
ECU_23	ECU_BRK_R	Rear brake pressure
ECU_24	ECU_BRK_F	Front brake pressure
ECU_25	ECU_MAX_RPM	Max RPM value