



## AiM Infotech

Mazda 2  
from 2007 onwards

Release 1.03

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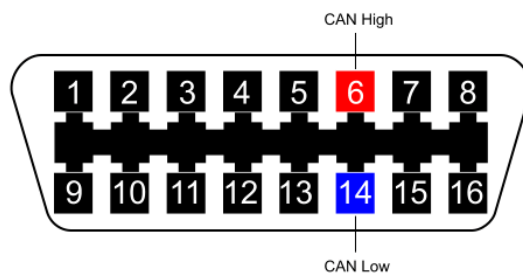
This tutorial explains how to connect Mazda 2 to AiM devices. Supported models are:

- Mazda 2 from 2007 onwards

## 1

### Wiring connections

Mazda 2 is equipped with an OBDII connector. The OBDII plug should be on the steering column. Other possible positions are: in the central column, on the pedal area or on the left of the steering wheel. **Please note:** according to the international rules the OBDII plug is to be in a 60 cm distance area from the steering column. Connector pinout as well as connection table are shown here below.



| OBDII connector pin | Pin function | AiM cable |
|---------------------|--------------|-----------|
| 6                   | CAN High     | CAN+      |
| 14                  | CAN Low      | CAN-      |

## 2

### 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 "Mazda"
- ECU Model "2";

## 3

# Available channels

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Channels received by AiM loggers connected to "Mazda" "2" protocol are:

| ID     | CHANNEL NAME    | FUNCTION                   |
|--------|-----------------|----------------------------|
| ECU_1  | M2_RPM          | RPM                        |
| ECU_2  | M2_VEH_SPEED    | Vehicle speed              |
| ECU_3  | M2_VEH_SPD_GND  | Vehicle speed GND          |
| ECU_4  | M2_WH_SPEED_FL  | Front left wheel speed     |
| ECU_5  | M2_WH_SPEED_FR  | Front right wheel speed    |
| ECU_6  | M2_WH_SPEED_RL  | Rear left wheel speed      |
| ECU_7  | M2_WH_SPEED_RR  | Rear right wheel speed     |
| ECU_8  | M2_PPS          | Pedal position sensor      |
| ECU_9  | M2_ECT          | Engine coolant temperature |
| ECU_10 | M2_GEAR         | Engaged gear               |
| ECU_11 | M2_TRASM_RATIO  | Transmission ratio         |
| ECU_12 | M2_BRAKE_PR     | Brake pressure             |
| ECU_13 | M2_BRAKE_SW     | Brake switch               |
| ECU_14 | M2_OIL_PRESS_SW | Oil pressure switch        |
| ECU_15 | M2_FUEL_LEVEL   | Fuel level                 |
| ECU_16 | M2_ABS_EVENT    | ABS switch                 |
| ECU_17 | M2_ABS_FAIL     | ABS failure                |
| ECU_18 | M2_LAMBDA       | Lambda value               |
| ECU_19 | M2_MAP          | Manifold air pressure      |
| ECU_20 | M2_INTK_AIRT    | Intake air temperature     |

**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.