AiM Infotech

Mercedes C63 AMG

Release 1.01

AiM

This tutorial explains how to connect Mercedes cars to AiM devices.

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Supported model and years
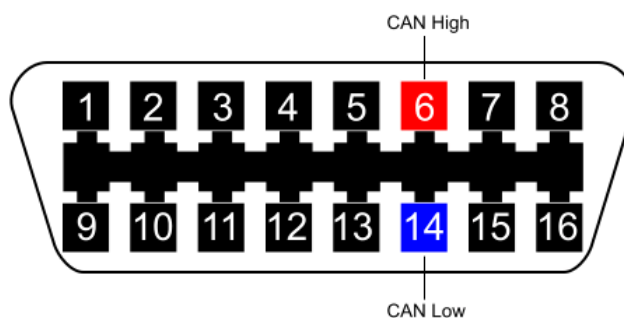
Supported model and years are:

- C63 AMG   from 2011 onwards.

2
Wiring connection

Mercedes C63 AMG features a bus communication protocol on the OBDII; this can be on the steering column, 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:

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

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AiM Logger configuration

Once the ECU connected to the logger, this one is to be configured as connected to that ECU.

Run Race Studio 2 software and follow this path:
- Device Configuration –> Select the device you are using;
- select the configuration or press "New" to create a new one;
- select ECU manufacturer "Mercedes" and ECU Model "C63_AMG";
- transmit the configuration to the device pressing "Transmit".

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Available channels

Channels received by AiM loggers connected to "Mercedes" "C63_AMG" protocol are:

ID	CHANNEL NAME	FUNCTION
ECU_1	C63_RPM	RPM
ECU_2	C63_WH_SP_FR	Front right wheel speed
ECU_3	C63_WH_SP_FL	Front left wheel speed
ECU_4	C63_WH_SP_RR	Rear right wheel speed
ECU_5	C63_WH_SP_RL	Rear left wheel speed
ECU_6	C63_PPS1	Pedal position sensor 1
ECU_7	C63_PPS2	Pedal position sensor 2
ECU_8	C63_TPS	Throttle position sensor
ECU_9	C63_KICKDOWN	Gear kickdown
ECU_10	C63_ECT	Engine coolant temperature
ECU_11	C63_IAT	Intake air temperature
ECU_12	C63_OILT	Oil temperature
ECU_13	C63_OUT_AIRPRESS	Air pressure
ECU_14	C63_STEER_ANG	Steering angle

ECU_15	C63_STEER_SPD	Steering speed
ECU_16	C63_BRAKE_POS	Brake position sensor
ECU_17	C63_MAP	Manifold air pressure
ECU_18	C63_FUEL_LEVEL	Fuel level
ECU_20	C63_VEH_SPEED	Vehicle speed
ECU_23	C63_GYRO	Vehicle angular yaw speed
ECU_24	C63_LONG	Longitudinal accelerometer
ECU_25	C63_LAT	Lateral accelerometer

Please note: channels listed above are those polled by AiM devices. They may or may not come across in the data stream depending on models. RPM, TPS,ECT and speed are generally available.