

AiM InfoTech

GM – Camaro 6th gen
2015 – 2023

Release 1.00



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Models and years

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

Supported models and years are:

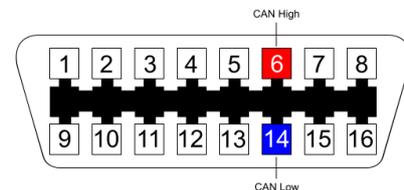
- GM Camaro 6th gen (all street models) 2015 – 2023

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OBDII Connection

These models feature a standard diagnostic protocol based on CAN, accessible through the OBDII plug placed under the steering column driver side. For this installation refer to the following pinout of the OBDII plug (front view) and connection table.

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



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Race Studio configuration

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:
- ECU Model:

GM
Camaro 6th (Race Studio 3 only)



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“GM – Camaro 6th” Protocol

Channels received by AiM devices configured with "GM – Camaro 6th" protocol are:

CHANNEL NAME	FUNCTION
RPM	RPM
AcceleratorPos	Throttle pedal position
ThrottlePos	Throttle position
BrakePedalPos	Brake pedal position
BrakePedalRate	Brake pedal rate
BrakePressMaster	Brake pressure on master cylinder
BrakePressSlave	Brake pressure on slave cylinder
Gear	Engaged gear
SteerAngle	Steering wheel angle
SteerSpeed	Steering wheel speed
FL WheelSpd	Front Left wheel speed
FR WheelSpd	Front Right wheel speed
RL WheelSpd	Rear Left wheel speed
RR WheelSpd	Rear Right wheel speed
VehicleSpeed	Vehicle speed
ECT	Engine coolant temperature
IAT	Intake air temperature
TransTemp	Transmission oil temperature
OilTemp	Engine oil temperature
OilPress	Engine oil pressure
MAP	Manifold air pressure
BoostPercent	Boost percent
IntakeBoostPress	Intake air boost pressure
InstFuelFlowEst	Instantaneous fuel flow estimate
AdvFuelFlowEst	Advanced fuel flow estimate



CommAirFuelRatio	Commanded air/fuel ratio
KickDown	Kickdown switch
BrakeFluidLevLow	Brake fluid level low
TCSDriverIntent	Traction control system driver intent flag
EngOilLevLow	Engine oil level low
BaroPress	Barometric pressure
InstFuelConsRate	Instantaneous fuel consumption rate
BrakesOverheated	Brakes overheated warning
ABSIndicON	ABS indicator ON
WheelSlipStatus	Wheel slip status
VDynamicsOSUS	Vehicle dynamics over/under steer
BrakeSwitch	Brake switch
ParkBrakeSt	Park brake status
Skipshift	Transmission skipshift indicator ON
ClutchPos	Clutch pedal position
ClutchStart	Clutch start switch
ClutchSwitch	Clutch top travel switch
Odometer	Odometer
BatteryVolt	Battery voltage
ABSActive	ABS active flag
TCSEnabled	TCS enabled
TCEnabled	TCS driver intent
TC Level	Traction corner exit set value
TCLight	TC light
TCBrkActive	TCS active flag
DriverMode	Driver mode set
ActiveHandEnab	Active hand enabled
CompetModeEnab	Competition mode enabled
RevMatchON	Rev match ON
StabilityCtlAct	Stability enhance control active
LonAccel	Longitudinal acceleration
LatAccel	Lateral acceleration



GyroYawRate	Yaw rate
FuelPress	Fuel pressure
FuelPumpON	Fuel pump enabled
FuelDelPress	Fuel delivery pressure requested
FuelLevel	Fuel level
FuelTankCap	Maximum fuel capacity
EngineCrankON	Powertrain crank active
IdleControl	Idle control
EngineRunActive	Engine run active
MIL	Malfunction indicator lamp
FLShock	Front Left shock position
FRShock	Front Right shock position
RLShock	Rear Left shock position
RRShock	Rear Right shock position
FL TirePress	Front Left tire pressure
FR TirePress	Front Right tire pressure
RL TirePress	Rear Left tire pressure
RR TirePress	Rear Right tire pressure
FL TireTemp	Front Left tire temperature
FR TireTemp	Front Right tire temperature
RL TireTemp	Rear Left tire temperature
RR TireTemp	Rear Right tire temperature
EngActStdyStTrq	Engine actual steady state torque
EngNtrnsStdySTrq	Engine non-tranx regulated torque
CkSftNTrnsCmdTrq	Crankshaft non-tranx regulated commanded torque
EngTrqDrvReqExtR	Engine torque driver requested
EngTrqActExtRang	Engine torque actual

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.