

AIM Infotech

Seat Ibiza SC Circuit
Bosch Med 17.5.5 ECU

Release 1.01

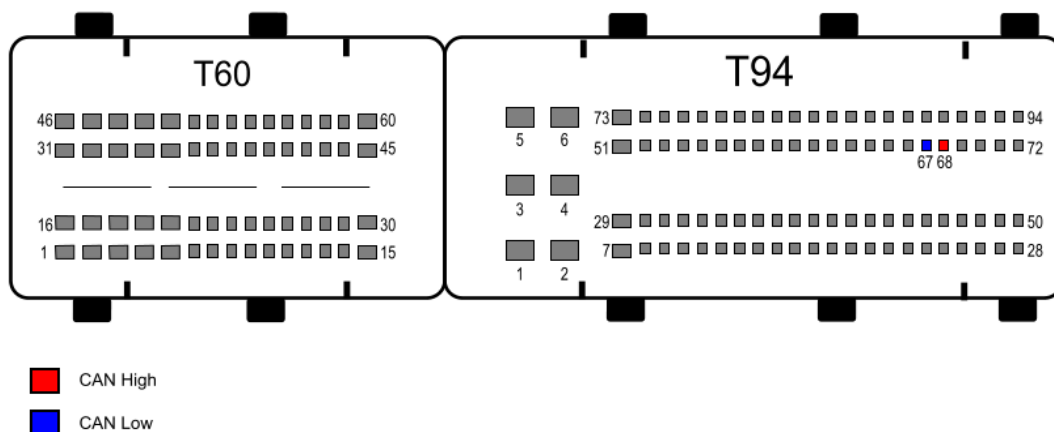


This tutorial explains how to connect Bosch MED 17.5.5 to AIM MXL. This ECU is installed as stock on Seat Ibiza 1.400 SC Trophy where an AIM MXL is also installed.

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Wiring connection

Bosch MED 17.5.5 has two front connectors: a T60 (60 pins) and a T94 (94 pins) and communicates through the CAN Bus. CAN communication protocol is on T94 connector. Here below are ECU connectors pinout as well connection table.



Bosch MED 17.5.5 connector	Pin function	AIM cable
68	CAN High	CAN+
67	CAN Low	CAN-

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AIM Logger configuration

Once the ECU connected to MXL, setup the logger using Race Studio 2 software. The parameters to select in MXL configuration are:

- ECU manufacturer "SEAT_Sport"
- ECU Model "IBIZA_SC_circuit";

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Available channels

Channels received by MXL connected to "SEAT_Sport" "IBIZA_SC_circuit" protocol are:

ID	CHANNEL NAME	FUNCTION
ECU_1	SC_RPM	RPM
ECU_2	SC_SPEED	Vehicle speed
ECU_3	SC_SPEED_FL	Front left wheel speed
ECU_4	SC_SPEED_FR	Rear front right wheel speed
ECU_5	SC_SPEED_RL	Rear left wheel speed
ECU_6	SC_SPEED_RR	Rear right wheel speed
ECU_7	SC_PEDAL	Pedal position sensor
ECU_8	SC_THROTTLE	Throttle
ECU_9	SC_T_WATER	Engine cooling temperature
ECU_10	SC_T_OIL	Oil temperature
ECU_12	SC_T_AIR	Intake air temperature
ECU_13	SC_T_AMB	Ambient temperature
ECU_15	SC_BOOST_PR	Boost pressure
ECU_18	SC_BRAKE_SW	Brake switch
ECU_19	SC_GEAR	Engaged gear
ECU_20	SC_GEAR_LEVPOS	Gear level position
ECU_22	SC_STEER_ANG	Steering angle
ECU_23	SC_STEER_SIGN	Steering signal
ECU_24	SC_STEER_SPEED	Steering speed
ECU_25	SC_VBATT	Battery supply
ECU_26	SC_FUEL_ALARM	Fuel alarm
ECU_27	SC_FUEL_LEV	Fuel level
ECU_52	SC_TIP_DOWN	Tip down
ECU_53	SC_TIP_UP	Tip up