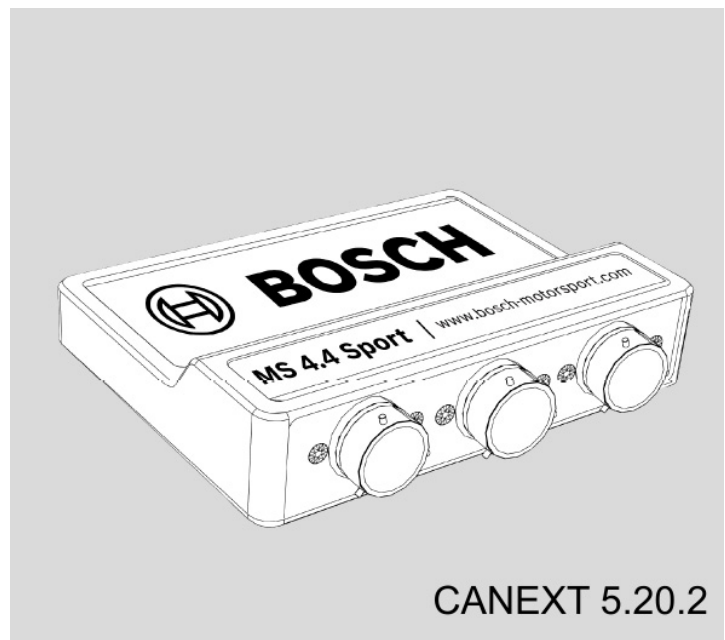


AiM Infotech

# Bosch MS 44 CANEXT 5.20.2 ECU

Release 1.00

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ECU



# 1

## Wiring connection

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This tutorial explains how to connect AiM devices to Bosch MS 4.4 ECU. Supported models are:

- BOSCH MS 4.4 – CANEXT 5.20.2 for Breitensport 8-zylinder EGAS (44BSE81B – Vollstanding) application

# 2

## Wiring connection

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Bosch MS 44 CANEXT 5.20.0 features a data transmission buses based on CAN on one of the three Deutsch connectors placed on its front.

Here below you see connection table.

<b>Pin number</b>	<b>Pin function</b>	<b>AiM cable</b>
C36	CAN2 high	CAN+
C51	CAN2 Low	CAN-

# 3

## AiM device configuration

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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: "Bosch"
- ECU Model: "MS44";

## 4

# Available channels

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Channels received by AiM loggers connected to "Bosch" "MS44" protocol are:

<b>ID</b>	<b>CHANNEL NAME</b>	<b>FUNCTION</b>
ECU_1	MS44_RPM	RPM
ECU_2	MS44_SPEED	Vehicle speed
ECU_3	MS44_WH_SPD_FL	Front Left wheel speed
ECU_4	MS44_WH_SPD_FR	Front right wheel speed
ECU_5	MS44_WH_SPD_RL	Rear left wheel speed
ECU_6	MS44_WH_SPD_RR	Rear right wheel speed
ECU_7	MS44_TPS	Throttle position sensor
ECU_8	MS44_MAP_BEF_THR1	Manifold air pressure before Throttle 1
ECU_9	MS44_MAP_BEF_THR2	Manifold air pressure before Throttle 2
ECU_10	MS44_MAP_AFT_THR1	Manifold air pressure after Throttle 1
ECU_11	MS44_MAP_AFT_THR2	Manifold air pressure after Throttle 2
ECU_12	MS44_AIR_P	Intake air pressure
ECU_13	MS44_WATER_P	Water pressure
ECU_14	MS44_CRANK_P	Crank pressure
ECU_15	MS44_OIL_P	Oil pressure
ECU_16	MS44_BRAKE_F_P	Front brake pressure
ECU_17	MS44_BRAKE_R_P	Rear brake pressure
ECU_18	MS44_FUEL_P1	Fuel pressure 1
ECU_19	MS44_FUEL_P2	Fuel pressure 2
ECU_20	MS44_FUEL_USED	Injected fuel
ECU_21	MS44_ECT	Engine coolant temperature
ECU_22	MS44_OIL_T	Oil temperature
ECU_23	MS44_FUEL_T	Fuel temperature
ECU_24	MS44_AIR_T	Intake air temperature
ECU_25	MS44_EXHAUST_T1	Exhausted gas temperature 1



ECU_26	MS44_EXHAUST_T2	Exhausted gas temperature 2
ECU_27	MS44_GEAR_T1	Gearbox temperature 1
ECU_28	MS44_LAMBDA_T1	Lambda temperature 1
ECU_29	MS44_LAMBDA_T2	Lambda temperature 2
ECU_30	MS43_LAMBDA1	Lambda value 1
ECU_31	MS43_LAMBDA2	Lambda value 2
ECU_32	MS43_LAMBDA_CTR1	Lambda control 1
ECU_33	MS43_LAMBDA_CTR2	Lambda control 2
ECU_34	MS44_INJ_TIME1	Injection time 1
ECU_35	MS44_INJ_TIME2	Injection time 2
ECU_36	MS44_IGN_ANG	Ignition angle
ECU_37	MS44_GEAR	Engaged gear
ECU_38	MS44_STR_WHEEL_ANG	Steering wheel angle
ECU_39	MS44_YAW_RATE	Yaw rate
ECU_40	MS44_TC_ACTIVE	Traction control active
ECU_41	MS44_ACC_X	Horizontal acceleration
ECU_42	MS44_ACC_Y	Vertical acceleration
ECU_43	MS44_ACC_Z	Lateral acceleration