AiM Infotech

Marelli SRT-BSD ECU

Release 1.00

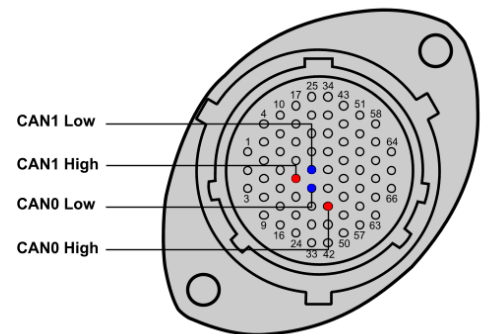
ECU

AiM

This tutorial explains how to connect Marelli SRT-BSDfor Bikes Sport Development ECU to AiM devices.

1
Connection to AiM devices

Marelli SRT-BSD ECU features two bus communication protocols based on CAN on the front left 66 pins Deutsch connector highlighted here below on the left; on the right you see connector pinout and below the connection table.

35 Pins Deutsch connector	Pin function	AiM cable
21	CAN1 High	CAN High
29	CAN1 Low	CAN Low
40	CAN0 High	CAN High
30	CAN0 Low	CAN Low

2
AiM Logger configuration

Before connecting the device to the ECU set it up as follows:

- 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 "Marelli" and ECU Model "SRT-BSD"

- transmit the configuration to the device pressing "Transmit".

3
Available channels

Channels received by AiM devices connected to "Marelli" "SRT-BSD" protocol are:

ID	CHANNEL NAME	FUNCTION
ECU_1	ECU_RPM	RPM
ECU_2	ECU_WHE_SPD_F	Front wheel speed
ECU_3	ECU_THROTTLE	Throttle position sensor
ECU_4	ECU_GEAR	Engaged gear
ECU_5	ECU_TC_SW_POS	Traction control switch position
ECU_6	ECU_BRAKE_P	Brake pressure
ECU_7	ECU_WATER_T	Engine coolant temperature
ECU_8	ECU_OIL_P	Oil pressure
ECU_9	ECU_FUEL_P	Fuel pressure
ECU_10	ECU_TC_RETARD	Traction control retard
ECU_11	ECU_TC_CUT	Traction control cut
ECU_12	ECU_AIR_T	Intake air temperature
ECU_13	ECU_WHE_COR	Wheel slip correction
ECU_14	ECU_LEAN_ANG	Leaning angle