

AiM InfoTech

MBE 9A9CAN ECU

Release 1.02

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ECU



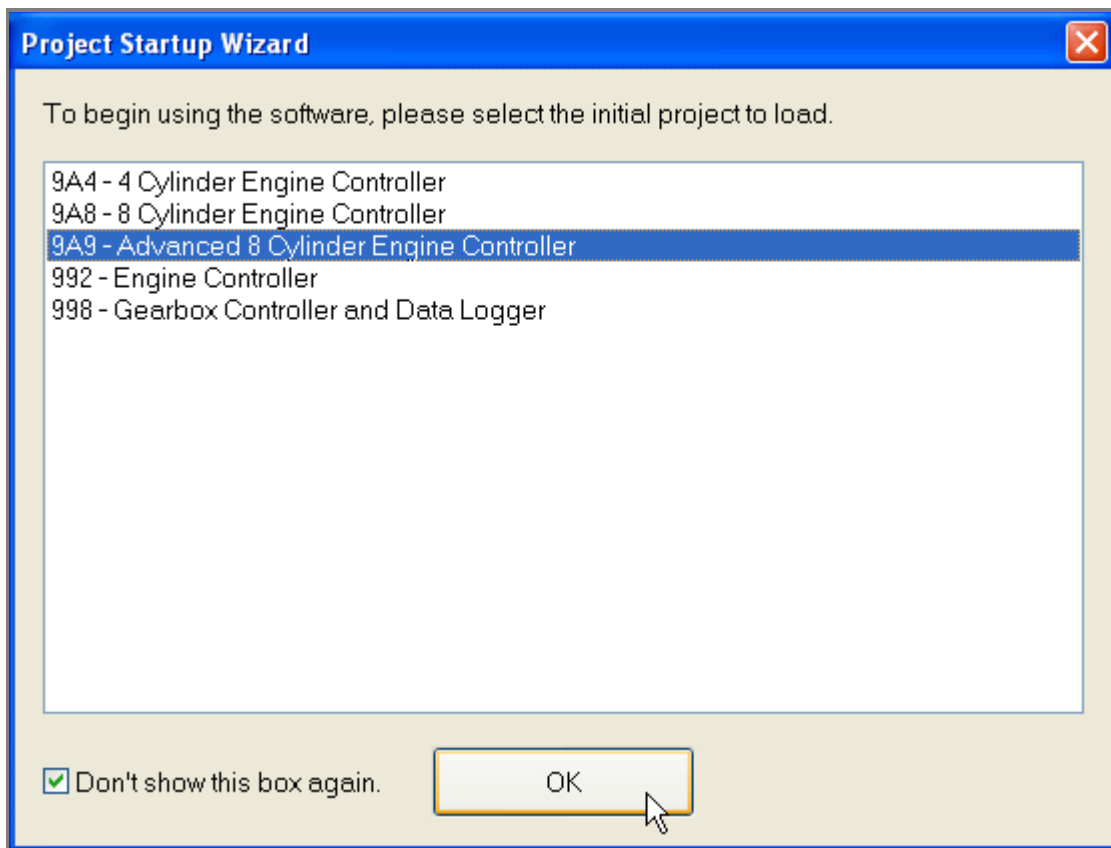
This tutorial explains how to connect AiM devices to MBE 9A9CAN ECU.

# 1

## Software configuration

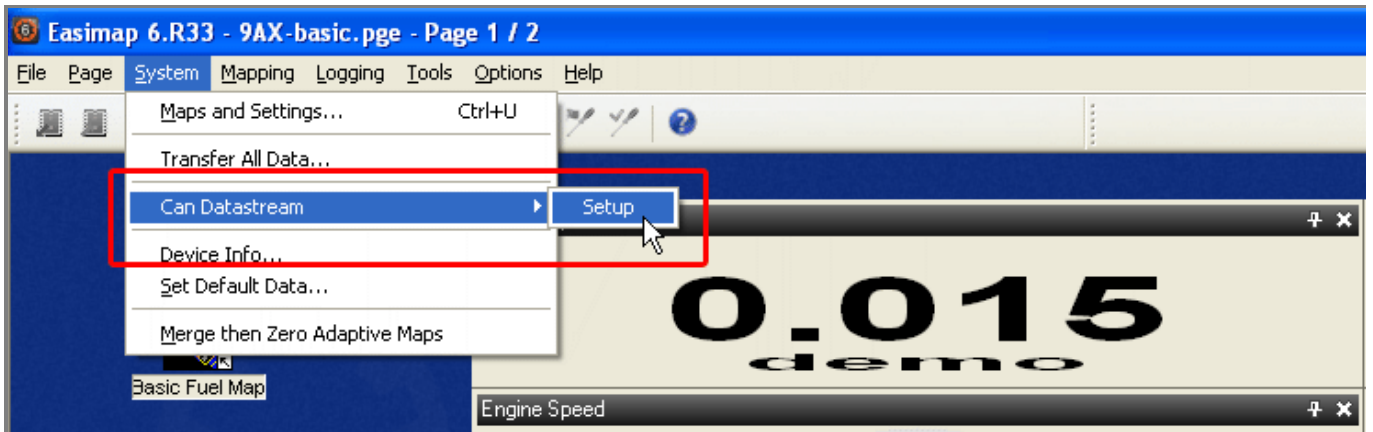
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For MBE 9A9CAN ECU to correctly communicate with AiM device it is necessary to set them up using the dedicated MBE software "EasiMap".

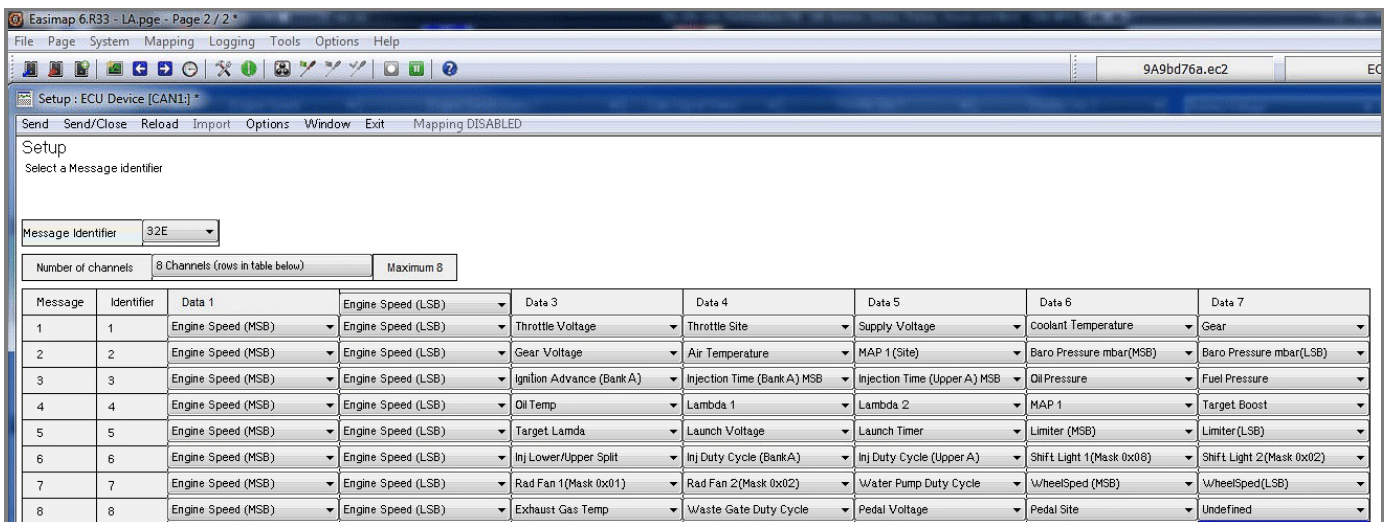


Select "9A9 – Advanced 8 Cylinder Engine Controller" and press OK.

Follow the path: "System -> Can Datastream -> Setup"

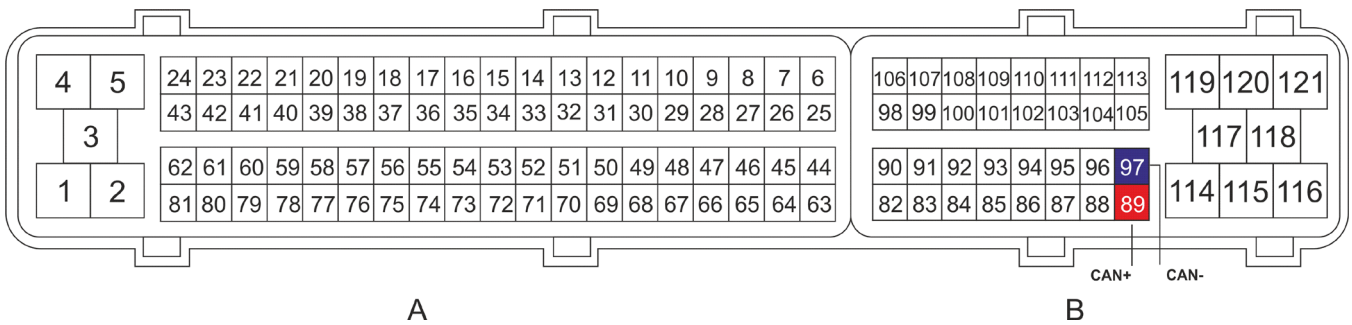


This panel appears: ensure is set up as shown below.



## 2 Wiring connection

For MBE 9A9CAN ECU, it is possible to connect to AiM devices through the front connector. As shown below the connector is divided in two parts but pins are numbered in a single sequence from 1 to 121. Below you find connection table.



Connector pin	Pin function	AiM cable
B 89	CAN High	CAN+
B 97	CAN 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: **MBE**
- ECU Model: **9A9CAN**

### 4

## “MBE – 9A9CAN” protocol

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Channels received by AiM loggers connected to “MBE – 9A9CAN” protocol are:

<b>CHANNEL NAME</b>	<b>FUNCTION</b>
RPM	RPM
GEAR	Active gear
WheelSpeed	Wheel speed
OilTemp	Oil temperature
ECT	Engine coolant temperature
ExhGasTemp	Exhaust gas temperature
TPV	Throttle voltage
ThrottleAng	Throttle angle
Battery	Battery voltage
GearVolt	Gearbox voltage
MAPSide	Manifold air pressure side
Baro	Barometric pressure
IgnitionAdv	Ignition advance
InjTime	Injection time
InjTUp	Injection time on upper engine bank
OilPress	Oil pressure



FuelPress	Fuel pressure
Lambda1	Lambda 1
Lambda2	Lambda 2
ManifAirPress	Manifold air pressure
TargetBoost	Boost target
TargetLambda	Lambda target
LaunchVolt	Launch voltage
LaunchTime	Launch timer
RPMLimit	RPM limiter
InjDutyA	Injection duty bank A
InjDutyB	Injection duty bank B
Shift1	Shift light 1
Shift2	Shift light 2
RedFan1	RadFan1
RedFan2	RadFan2
H2OPumpDC	Water pump DC
WasteGate	Waste Gate DC
PedalVolt	Pedal Voltage
PedalSite	Pedal site