

AiM Infotech

Helftec 4.1 ECU

Release 1.00



ECU



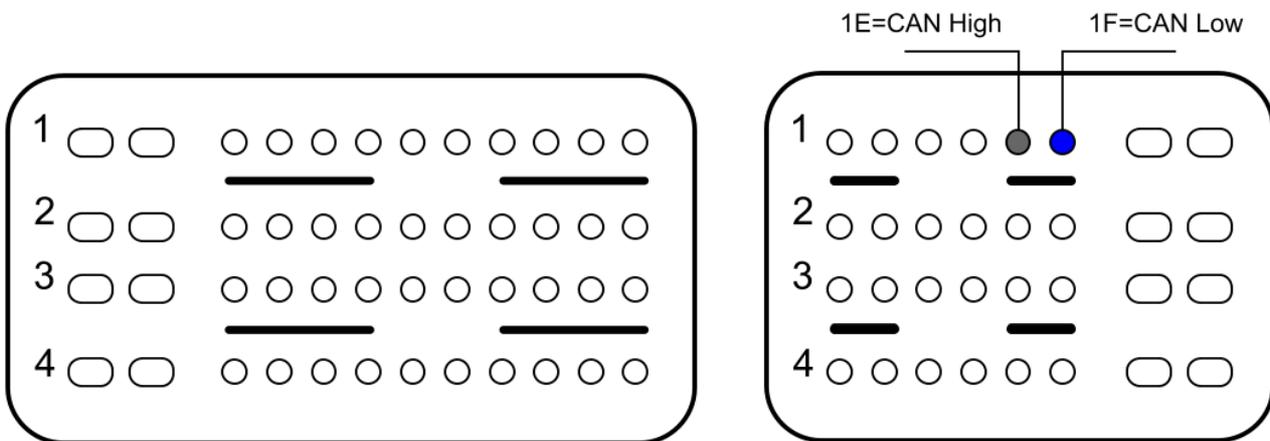
1 Supported models and years

This user guide explains how to connect Helftec ECU to AiM devices. Supported model is:

- Helftec 4.1

2 CAN bus connection

Helftec 4.1 ECU features a bus communication protocol based on CAN on the front right connector shown here below on top; bottom is connection table.



Pin	Pin function	AiM cable
1E	CAN High	CAN+
1F	CAN Low	CAN-

3

AiM device configuration

Before connecting the ECU to AiM device set this up using AiM Race Studio software. The parameters to select in the logger configuration are:

- ECU Manufacturer: "HELFTEC"
- ECU Model: "ECU 4.1"

4

Available channels

Channels received by AiM Devices connected to "HELFTEC" "ECU 4.1" are:

ID	CHANNEL NAME	FUNCTION
ECU_1	ECU_RPM	RPM
ECU_2	ECU_WHEELSPEED	Wheel speed
ECU_3	ECU_OILPRES	Oil pressure
ECU_4	ECU_OILTEMP	Oil temperature
ECU_5	ECU_WATERTEMP	Engine coolant temperature
ECU_6	ECU_FUELPRESS	Fuel pressure
ECU_7	ECU_BATTVOLT	Battery supply
ECU_8	ECU_TPS	Throttle position sensor
ECU_9	ECU_MAP	Manifold air pressure
ECU_10	ECU_AIRTEMP	Intake air temperature
ECU_11	ECU_FUEL_LEV	Fuel level
ECU_12	ECU_LAMBDA	Lambda value
ECU_13	ECU_FUELTEMP	Fuel temperature
ECU_14	ECU_GEAR	Engaged gear
ECU_15	ECU_ERRORS	ECU specific error flag