AiM InfoTech

Hyundai
i20 R5
2016

Release 1.00

ECU

1
Models and years

This document explains how to connect AiM devices to the vehicle Engine Control Unit (ECU) data stream.
Supported models are:

- i20 R5   from 2016

2
Wiring Connection

These models feature a specific manufacturer protocol based on CAN, accessible through the IMC26-2212X connector. For this installation refer to the following pinout of the IMC26 connector and its connection table.

IMC26-2212X connector	Function	AiM cable	AiM color cable
5	CAN High	CAN +	White
6	CAN Low	CAN -	Blue

3
Race Studio configuration

Before connecting the AiM devices to the ECU, set all functions using AiM software Race Studio. The parameters to set in the device configuration are:

- ECU manufacturer: **Hyundai**
- ECU Model: **I20 R5** (only RS3)

4
"Hyundai – I20 R5" protocol

Channels received by AiM devices configured with "Hyundai – I20 R5" protocol are:

CHANNEL NAME	FUNCTION
RPM	Engine RPM
Gear	Gear position
Speed	Vehicle Speed
PBrakeFront	Front brake pressure
PBrakeR	Rear brake pressure
ASteer	Steering wheel angle
PedalPos	Pedal position sensor
RotMAPPos	Rotary map position

Technical note: not all data channels outlined in the ECU template are validated for each manufacturer model or variant; some of the outlined channels are model and year specific and therefore may not be applicable