AiM Infotech

Yamaha YZF-R3
MY2015-2017

Release 1.00

ECU

1
Models and years

This user manual explains how to connect Yamaha YZF-R3 to AiM devices. Supported models and years are:

- Yamaha YZF-R3   2015-2017

Warning: for these models/years AiM recommends not to remove the stock dash. Doing so will disable some of the bike's functions or safety controls. AiM Tech srl will not be held responsible for any consequences that may result from the replacement of the original instrumentation cluster.

2
Connection

Yamaha YZF-R3 2015-2017 bikes feature a bus communication protocol based on K-line that can be reached through the hour meter connector directly. To communicate with the bike ECU, the AiM lead labelled "K-line" must be put together with the yellow/blue wire in the original instrumentation connector.

K-line Bus can be reached through the Yamaha Diagnostic Tool Coupler connector as well, placed under the bike seat, putting the AiM lead labelled "K-line" together with the yellow/blue lead of the connector (3 pins Sumitomo).

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 device configuration are:

- ECU manufacturer: **YAMAHA**
- ECU Model: **R3**

4
"Yamaha – R3" protocol

Channels received by AiM devices connected to "Yamaha – R3" protocol are:

CHANNEL NAME	FUNCTION
RPM	RPM
WH SPEED	Vehicle speed
WATER TEMP	Water temperature

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.