



Vehicle CAN Database

Alsense
Wired Tyre Temperature Sensors

Overview

Racelogic have acquired CAN signals for customers to use with VCI (Vehicle CAN Interface) products. This information is available by listening on the relevant CAN bus on the vehicle and interpreting the messages to form easy to use information which is then available for data logging.

VBox Video HD2 Users

Users of VBox Video HD2 will find this vehicle available to be selected via the VBox Video setup software which can be downloaded from our website. The software is supplied with instant access to the CAN information for a large array of vehicles and is kept automatically up to date as new vehicles and signals are added (Subject to internet connection).

To start using HD2 with your vehicle simply follow the steps below:

1. Open VBox Video Setup
2. Click the "Settings" menu option
3. Select "CAN"
4. Select "Vehicle database" under "Source"
5. Select "Alsense" and "Wired Tyre Temperature Sensors"
6. Tick the signals you wish to use

Use with other Racelogic Products

Users of other Racelogic products will need to download a file from our website here:

<https://vboxmotorsport.co.uk/index.php/en/customer-area/vehicle-can-database>

Select "Alsense" and "Wired Tyre Temperature Sensors" from the dropdown selection to download the relevant file.

Refer to the user manual of your product for details on how to use this file.

Wiring Connection

We recommend you use an RLCAB015L unterminated CAN interface cable, and then fit the necessary DTM connector yourself in order to interface with the Alsense temperature sensors. Further information can be found on the Alsense website - <https://www.alsense.eu/downloads/>

PLEASE NOTE: This information is provided as a general guide to CAN Bus wire colours only and colours may be subject to change without notice. Racelogic accepts no responsibility for damage or malfunction caused by incorrect wiring of its products to a vehicle. Any connection to a vehicle CAN Bus should be done by a trained automotive technician.

CAN bus Connection

The CAN bus must be configured at a baud rate of 500k and with CAN Termination enabled.

Cable - VBox Video HD2

To connect the HD2 system to a vehicle CAN bus system using a bare wire, an [RLCAB015L](#) cable must be used.

[Click here](#) for a cable drawing including PIN outs for the RLCAB015L.

Note: If the connection needs to be made using a bare wire interface with the CAN High and Low outputs of the vehicle, we strongly recommend contacting a qualified auto-electrician to perform the fitting.

Cable - Other Racelogic Products

To connect between your racelogic product and the vehicle a bare wire Cable is available, if this was not supplied with the product please contact us for details.

Available CAN Channels

The following signals are available for selection:

Signal	Default Units
Tyre Temperature FL 01	°C
Tyre Temperature FL 02	°C
Tyre Temperature FL 03	°C
Tyre Temperature FL 04	°C
Tyre Temperature FL 05	°C
Tyre Temperature FL 06	°C
Tyre Temperature FL 07	°C
Tyre Temperature FL 08	°C
Tyre Temperature FL 09	°C
Tyre Temperature FL 10	°C
Tyre Temperature FL 11	°C
Tyre Temperature FL 12	°C
Tyre Temperature FL 13	°C
Tyre Temperature FL 14	°C
Tyre Temperature FL 15	°C
Tyre Temperature FL 16	°C
Tyre Temperature FR 01	°C
Tyre Temperature FR 02	°C
Tyre Temperature FR 03	°C
Tyre Temperature FR 04	°C
Tyre Temperature FR 05	°C
Tyre Temperature FR 06	°C
Tyre Temperature FR 07	°C
Tyre Temperature FR 08	°C
Tyre Temperature FR 09	°C
Tyre Temperature FR 10	°C
Tyre Temperature FR 11	°C
Tyre Temperature FR 12	°C
Tyre Temperature FR 13	°C
Tyre Temperature FR 14	°C
Tyre Temperature FR 15	°C
Tyre Temperature FR 16	°C
Tyre Temperature RL 01	°C

Tyre Temperature RL 02	°C
Tyre Temperature RL 03	°C
Tyre Temperature RL 04	°C
Tyre Temperature RL 05	°C
Tyre Temperature RL 06	°C
Tyre Temperature RL 07	°C
Tyre Temperature RL 08	°C
Tyre Temperature RL 09	°C
Tyre Temperature RL 10	°C
Tyre Temperature RL 11	°C
Tyre Temperature RL 12	°C
Tyre Temperature RL 13	°C
Tyre Temperature RL 14	°C
Tyre Temperature RL 15	°C
Tyre Temperature RL 16	°C
Tyre Temperature RR 01	°C
Tyre Temperature RR 02	°C
Tyre Temperature RR 03	°C
Tyre Temperature RR 04	°C
Tyre Temperature RR 05	°C
Tyre Temperature RR 06	°C
Tyre Temperature RR 07	°C
Tyre Temperature RR 08	°C
Tyre Temperature RR 09	°C
Tyre Temperature RR 10	°C
Tyre Temperature RR 11	°C
Tyre Temperature RR 12	°C
Tyre Temperature RR 13	°C
Tyre Temperature RR 14	°C
Tyre Temperature RR 15	°C
Tyre Temperature RR 16	°C

Note: not all signals listed above will be applicable to all variants of this vehicle and so may not be available for your specific vehicle.

Support

If any data contained in this document is incorrect or for further support please visit our website here: <https://www.vboxmotorsport.co.uk/support>