VBOX MOTORSPORT

Vehicle CAN Database

Cadillac
CTS

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 "Cadillac" and "CTS"
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 "Cadillac" and "CTS" 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

On this vehicle all information is available via the OBD-II connector, this uses the standard pins of CAN High on pin 6 and CAN low on pin 14.

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.

Cable - VBox Video HD2

To connect the HD2 system to an OBDII port, an RLCAB069L cable must be used.
Click here for a cable drawing including PIN outs for the RLCAB069L.

Cable - Other Racelogic Products

To connect between your racelogic product and the vehicle a standard OBD 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
Accelerator Pedal Position	%
Air Temperature	°C
Battery Voltage	V
Boost Pressure	kPaG
Brake Position	%
Brake Pressure	kPa
Clutch Position	%
Coolant Temperature	°C
Door Open - Front Left	
Door Open - Front Right	
Engine Speed	rpm
Fuel Level	%
Full Beam	
Gear	
Headlights	
Indicated Lateral Acceleration	g
Indicated Longitudinal Acceleration	g
Odometer Reading	km
Oil Pressure	kPa
Oil Temperature	°C
Seat Belt - Driver	
Seat Belt - Passenger	
Side Lights	
Steering Angle	°
Throttle Position	%
Traction Control Mode	
Transmission Oil Temperature	°C
Tyre Pressure FL	kPaG
Tyre Pressure FR	kPaG
Tyre Pressure RL	kPaG
Tyre Pressure RR	kPaG
Tyre Temperature FL	°C
Tyre Temperature FR	°C

Tyre Temperature RL	°C
Tyre Temperature RR	°C
Wheel Speed FL	km/h
Wheel Speed FR	km/h
Wheel Speed RL	km/h
Wheel Speed RR	km/h
Yaw Rate	°/s

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:http://www.vboxmotorsport.co.uk/support