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Documentation

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Thema How to import RaceCon export files for CAS-M light
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How to import RaceCon export files for CAS-M light

1 Background

This brief instruction explains how to import a provided RaceCon export file (.rex) for CAS-M light from Bosch Motorsport into an existing RaceCon project from the customer. The export file includes pre-defined CAN messages, conditional channels and display elements for a DDU7, DDU8 and DDU9.

2 Step by step import



Open your RaceCon project and select import option. Select the DDU device in your RaceCon project by clicking on the right mouse button and select "Import".



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2. Selecting the fil	e to impoi	t					
Name	Date modified	Туре	Size				
Archive	25.11.2015 11:16	File folder					
CAS-M_light_DDU_Project.rex	25.11.2015 11:15	REX File	96 KI				
File name: CAS-M_light_DDU_Project.rex				RaceCon in Open	mportable files (*.	rex] 💌	

Search for the provided export file with the explorer window which opens up. After selecting the provided export file (.rex file) with the explorer window click on the "open" button.



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3. Using the RaceCon import manager

Summan/: Lumported elemente		
Import content (source) DDU8 CAN Bus 1 CAN Unput CAN Outputs CAN Bus 2 CAN Bus 4 CAN Outputs CAN	 Object_left_approach_spd_range Object_left_dist_range Object_left_dx Object_left_dy Object_left_tr Object_left_rx Object_right_approach_spd_range Object_right_dx Object_right_dx Object_right_dy Object_right_tx Object_right_tx Object_right_tx Object_right_rx Object_right_rx Object_right_rx Object_right_rx Object_right_rx Object_right_rx Object_right_rx Object_right_rx 	Current Project (target)
Import file	Content of selected position in the import tree	Own RaceCon project

The import manager opens up. This window allows you to import data from the source file to a specific location in your own RaceCon project.

To import the provided CAS-M light data to your existing project, just use drag and drop to copy the data.

The imported data should be placed in the same tree folder of your project as in the provided import file. For example the "CAN Input" signals from the import file have to be placed in the "CAN Import" folder of your RaceCon project.



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4. Import data (CAN Input)



The CAN messages from the sensor to the DDU can be placed on CAN Bus 1 Input or CAN Bus 2 Input depending on the used CAN Bus in your application.



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5. Import data (CAN Outputs)

Importing from file CAS-M_light_DDU_Project.rex(2.5.1.608)		
Drag&Drop elements from the import content to the curr Summary: 0 imported elements	ent project	•
Urag&Urop elements from the import content to the curres Summary: 0 imported elements Import content (source) DDU8 CAN Bus 1 CAN Bus 2 CAN Dutputs CAN Outputs Computed Channels Conditional Channels Conditional Channels Sign Conductional Channels Sign Vio Channels Sign Macros fx< Math Channels	SensorMounting Sepeed_neu WarningThresholds	Current Project (target)
	< Back No	ext > Finish Cancel

The CAN messages from the DDU to the sensor can be placed on CAN Bus 1 Outputs or CAN Bus 2 Outputs depending on the used CAN Bus in your application.



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6. Import data (Computed Channels)



The computed channels in the DDU are for raw signal filtering.



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7. Needed data (Conditional Channels)



Conditional channels in the DDU for logic data.



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8. Needed data (Display)

rage. Drop elements from the import conten Summary: 0 imported elements	t to the current project	•
rag&Urop elements from the import content Summary: 0 imported elements Import content (source) □ □ DDU8 □ □ CAN Bus 1 □ □ CAN Bus 2 □ □ CAN Bus 2 □ □ CAN Duputs □ CAN Outputs □ CAN The Computed Channels □	LEDs	Current Project (target)

Display elements for warning LED's, warning arrows on display and raw sensor data page. The sensor raw data page is may not needed.



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3 Additional information

The provided export file should eased the implementation of the CAS-M light system. All display elements can be adjusted to your own needs.

Please adapt the content of the configuration CAN frames from the DDU to the sensor to the parameters used in your application (0x618, 0x620).

Please also add an input signal for the predefined CAN output speed signal (0x616).

Please see our datasheet and user manual for further information: http://www.bosch-motorsport.de/de/produkte/catalog_products_1_405022.php

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