FORDPERFORMANCE





February 25, 2025

Technical Service Bulletin – 36

Mustang Dark Horse R MoTeC Configuration

Issue: For the 2025 racing season, the parameters recorded by the MoTeC have been updated. The naming convention of parameters has also been changed to closer align with other Ford Performance racing vehicles.

Attention: The data recorded by the MoTeC are used for post event scrutineering. Thus, it is mandatory that each team use the new provided files as a basis for the C187 configuration. Modifying the graphical display and configuring for the addition of approved hardware is permitted.

Action:

• Follow the procedure below to update the MoTeC C187

Procedure: Update both the C187 Dash Manager and Display Creator files

Download New Files

The new C187 files will need to be downloaded from: https://performance.ford.com/motorsport/mustang-challenge/competitor-info

Download both the DHR_MGMD4_009_NG_Production.c187v64 and DHR_MGMD4_009_NG_Production.c187v64.dcproj files.

FORDPERFORMANCE

FORD	Our Story	Motorsports 🗸	Vehicles \checkmark	Experiences ~	Articles	۵	۹
• 2024 Dark Hor	se R Manual 8	3-23-24					
• 2024-05-11 Cor	nnector Views						
• 2024-06-05 D	HR Wiring Sy	stem Schematic	MK004				
MOTEC CONFIGURA	TIONS						
DHR MGMD1	005 NG Produ	uction.c187v64					
DHR MGMD1	005 NG Produ	uction.dcproj					
INSTRUCTION AND	INSTALLATION	4					
 Information co 	ming soon						
ECU							
Information co	ming soon						
)))							
Sub	scribe ⁻	То		Get up-to-date News newslette	news, views, and races, including our weekly Fast r from Ford Performance.		
Our	Newslo	etter		Sign Up			

Figure 1: Downloading the current configuration.

Motec Dash Manager

Your Motec dash is accessible through the Motec C187 Dash Manager application. This is an application available for download at <u>https://www.motec.com.au/products/C187</u>. Installation support of the C187 dash manager software is available through the Motec website. With this software you can change screen settings, logging settings, and shift light configurations, as well as retrieve logged data from the device.

Loading the configuration from the previously downloaded file can be done with the Motec C187 Dash Manager following these steps:

- 1. Open the C187 Dash Manager
- 2. Select Open as shown in Figure 2.





Figure 2: Motec Dash Manager – loading the configuration.

3. Select "Import" as shown in Figure 3 and navigate to the file "DHR_MGMD4_009_NG_Production.c187v64" previously download.

	Se	arch :	Settings
lame	Modified	Attributes	Import
			Export
		/	Duplicate.
			Rename
			Delete

Figure 3: Motec Dash Manager – loading the configuration.

4. Double click on DHR_MGMD4_009_NG_Production.



	Searc	th :	Settings
Name	Modified	Attributes	Import
DHR_MGMD4_009_NG_Production	2/24/2025 2:57:01 PM	1	Export
			Duplicate
			Rename
			Delete

Figure 4: Motec Dash Manager – loading the configuration.

- 5. Connect the computer to the data port (ethernet) located in the glove box area.
- 6. Select send configuration.





Figure 5: Motec Dash Manager – send configuration.

Motec Display Creator

Downloading an Existing Project

Under the original configuration, your vehicle is supplied with three screen modes configured specifically for this car. An add-on feature of the dash is a license that allows the user to create unique screens with additional functionality over the default screen options. The license gives the ability to use the Motec Display Creator tool. It is available for download at https://www.motec.com.au/products/C187.

- 1. After installation, launch the Display Creator software.
- 2. Select "open".





Figure 6: Motec Display Creator – Open file.

3. Browse to the previously downloaded "DHR_MGMD4_009_NG_Production.c187v64.dcproj" file and select it



Open project	2)/Dea/Drive - 22 metard\ Dacemante\ DHD\ MaTeC			×
Preview	Name	Date Modified	Size	
	DHR_MGMD4_009_NG_Production.dcproj	2/24/2025 2:57 PM	4.85 MB	
	DHR_MGMD4_008_NG_Production.dcproj	2/18/2025 7:26 AM	4.85 MB	
	DHR_MGMD4_008_NG_Development_XX2 (1).dcproj	2/18/2025 6:40 AM	4.86 MB	
	DHR_MGMD4_008_NG_Development_XX2.dcproj	2/18/2025 6:40 AM	4.86 MB	1
			Open	Cancel

Figure 7: Display Creator – project selection window.

4. From the main window, press "configure device."





Figure 8: Display Creator – configure device.

- 5. Confirm that your device is available in the "Selected Device" drag down. If not check your serial cable connections.
- 6. Press "Check & Send". This may take a while for the check to complete.

Configure De	evice			×
Selected Device		Serial 28170	• •	Check
1.5	Model	C187	(Check & Send
	Supports Video Camera	Yes		Get Project
	Firmware Version	6.40		Upgrade Firmware
	Project	DHR_MGMD4_009_NG_Production.dcproj		
	Project Model	C187		
	Available Space	48.00 MB		
		Store a copy of the project on the device		
		Select a device from the list or use the search button. Press Check & Send to configure the device.		
		Close		

Figure 8: Display Creator – configure device.

7. The check process will take over 3 minutes when it completes you will see confirmation



Configure D	evice			×		
	Selected Device	Serial 28170 💌		Check		
	Model	C187		Send		
Supports Video Camera Yes Firmware Version 6.40		Yes		Get Project		
		6.40		Upgrade Firmware		
	Tojoa					
	Project Model	C187				
	Available Space	48.00 MB	1	Used 1.45 MB		
		Store a copy of the project on the device	1	Free 46.55 MB		
Configuration send succeeded						
		Close				

Figure 9: Display Creator – configure device successful.