



MULTI-CHASSIS APPLICATION

GEN2 CLUBSPORT LINE RACING STEERING WHEEL SYSTEM

INFORMATION PACKET

SYSTEM ARCHITECTURE / PROGRAMMING / OPTIONS / CONFIGURATION

DOCUMENT SCOPE

This packet summarizes the GEN2 Clubsport Line across supported vehicle applications. Standard programming covers the MadtraceLAB "Steering Wheel" category only. Expanded car-control and general vehicle functions require the optional CAN Bus Integration Module and vary by chassis.



CLUBSPORT LINE WITH ROUND MOTORSPORT WHEEL

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WHERE THE CLUBSPORT LINE FITS

PRODUCT LINE POSITIONING

Clubsport Line is the modular GEN2 entry platform for compatible round motorsport steering wheels. Standard equipment preserves supported factory steering-wheel functions through the vehicle-specific LIN interface and adds programmable controls, RGB lighting, MadtraceLAB, and three stored profiles.

The optional CAN Bus Integration Module (CIM) is the gateway to expanded vehicle control. Without CIM, MadtraceLAB programming is limited to the “Steering Wheel” category.

PODIUM Line adds RevLED shift lights and expanded vehicle controls as standard, plus a dedicated profile quick-switch and optional dual paddles.

Formula Line packages the higher-level control architecture into a purpose-designed 290 mm GT wheel with standard OLED DID, RevLEDs, and magnetic paddles.

LINE	PRIMARY POSITION	KEY DIFFERENCE
Clubsport	Modular GEN2 entry	Factory wheel functions, RGB, MadtraceLAB and profiles standard; CIM, OLED DID and paddles optional.
PODIUM	Expanded GEN2 platform	RevLED and expanded vehicle controls standard; profile quick-switch and optional dual paddles.
Formula	Dedicated GT wheel	Purpose-built 290 mm GT wheel; OLED DID, RevLEDs and magnetic paddles standard.
GEN1	Legacy platform	Fixed layout; no MadtraceLAB, RGB customization, multi-profile operation or RevLED.

CLUBSPORT LINE TAKEAWAY

Choose Clubsport for a lightweight, modular GEN2 platform. Add CIM when you need to program supported vehicle-control functions beyond the Steering Wheel category.

PRODUCT LINE COMPARISON: CORE PLATFORM

FEATURE	CLUBSPORT	PODIUM	FORMULA	GEN1
Factory steering-wheel functions	Standard	Standard	Standard	Standard
Completely plug and play	Standard	Standard	Standard	Standard
Programmable button layout	Standard	Standard	Standard	Fixed layout
RGB customizable button colors	Standard	Standard	Standard	Not equipped
MadtraceLAB	Standard	Standard	Standard	Not equipped
OLED Driver Information Display (DID)	Optional	Optional	Standard	Not equipped
Single magnetic paddle shifter	Optional for AT	Optional for AT	Standard	Optional for AT

CLUBSPORT CONFIGURATION

The Clubsport column is highlighted. Optional equipment depends on the selected vehicle, transmission and ordered configuration. AT = automatic transmission.

CAN BUS INTEGRATION MODULE: WHAT IT UNLOCKS

CAPABILITY	BASE CLUBSPORT	WITH CIM	CUSTOMER IMPACT	STATUS
MadtraceLAB scope	Steering Wheel only	Adds vehicle-control, general tabs	Expands mapping scope	CIM required
Factory wheel commands	Supported	Supported	No change	Standard
Steering column functions (Signals / beam / wipers...)	Not programmable	Available with CIM added	General controls on wheel	Chassis dependent
Center console functions (TC / ESP / drive modes/ M Mode/ +R...)	Not programmable	Available with CIM added	Race + chassis control	Chassis dependent
Infotainment system controls (iDrive...)	Not programmable	Available with CIM added	Center-console access	Chassis dependent
RevLED shift lights	Not equipped	Not added by CIM	Clubsport stays RevLED-free	Not included

ORDERING RULE

If you want to program any function outside the “Steering Wheel” tab, select the CAN Bus Integration Module. Availability remains chassis-dependent.

EXECUTIVE SUMMARY

The JQ Werks Madtrace GEN2 CLUBSPORT Line is a modular racing steering-wheel control system for supported vehicle applications and compatible round motorsport wheels.

A vehicle-specific LIN interface preserves supported factory steering-wheel functions through a plug-and-play harness, adapter hub and quick-release base without wire splicing.

Eight RGB-backlit front buttons and two joystick-style controls can be assigned in MadtraceLAB. Three independent profiles store button maps and lighting settings.

In the standard configuration, MadtraceLAB programming is limited to the “Steering Wheel” category.

The optional CAN Bus Integration Module unlocks supported Car Control, General and other vehicle-network functions—more than 20 on certain chassis—but does not add RevLED shift lights.

An OLED Driver Information Display and magnetic paddle shifters are available as ordered options.

The system removes the factory steering wheel and airbag and is intended exclusively for off-road, track, racing and competition use.

CRITICAL ORDERING NOTE

No CIM = only the MadtraceLAB “Steering Wheel” category can be programmed. Select CIM for supported center-console, chassis and general vehicle controls.

MECHANICAL CONSTRUCTION

CLUBSPORT LINE HARDWARE

The Clubsport control hub combines 6061-T6 billet aluminum with a lightweight 5 mm solid pre-preg carbon-fiber structure for precise fit, strength and a focused motorsport feel.

Eight RGB-backlit front buttons and two joystick knobs place the primary programmable inputs within reach while keeping the assembly compact.

The hub pairs with the matching vehicle-specific adapter hub, integrated quick-release base and harness architecture for a clean, plug-and-play installation.

A standard horn cap is supplied with the base configuration. The optional OLED DID replaces the horn cap and adds on-wheel mapping, profile switching and display controls.

Compatible round steering wheels, magnetic paddle shifters and MOMO adapters depend on the selected configuration.



CONFIGURATION SHOWN

Official Clubsport system shown with a round motorsport wheel and magnetic paddles. Wheel, paddle and display choices depend on the ordered configuration.

STANDARD CLUBSPORT INTEGRATION: LIN

The standard Clubsport architecture is centered on vehicle-specific LIN integration for supported factory steering-wheel functions.

The dedicated harness connects the control hub, quick-release base and original vehicle electronics without cutting or splicing factory wiring.

MadtraceLAB assigns supported “Steering Wheel” commands to the eight front buttons and two joystick controls, while also managing RGB illumination and stored profiles.

CAN-based vehicle commands are outside the base programming scope. The CAN Bus Integration Module must be selected to unlock supported Car Control, General and other vehicle-network categories.

With CIM installed, available commands may include high-beam flash, wipers, turn signals, TC/ESP, drive-mode selection, Sport/R/GR/IC/IMT functions, iDrive, M Mode, DriveLogic, SETUP and exhaust control. Exact availability varies by chassis, market and factory equipment.

CIM expands vehicle control; it does not add RevLED shift lights to Clubsport.

MADTRACELAB 2.0

MadtraceLAB 2.0 is the configuration and update platform for the GEN2 Clubsport control hub.

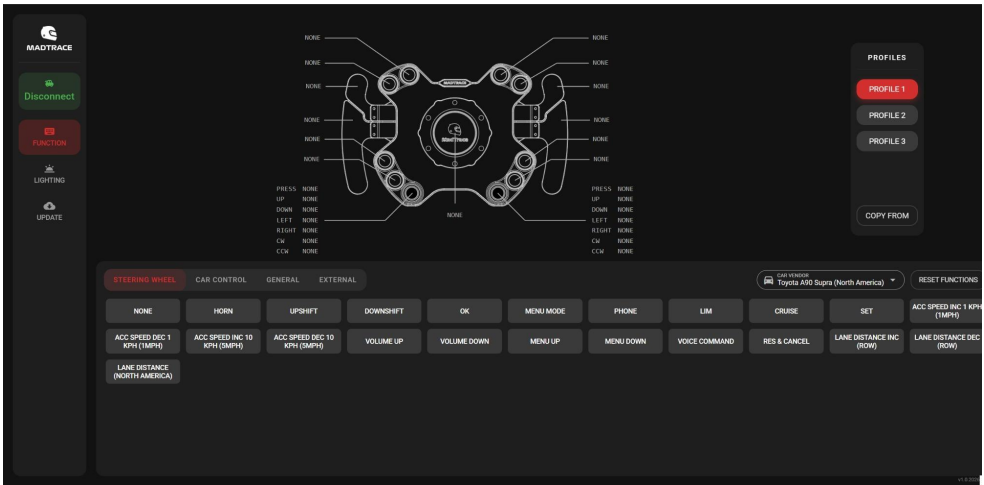
WITHOUT CIM: only the “Steering Wheel” category can be programmed. Car Control, General and other vehicle-network categories are unavailable to the base system.

WITH CIM: additional supported categories and commands become available after the correct chassis configuration is selected. Certain applications provide access to more than 20 additional functions; the exact library is chassis-dependent.

Each input can be mapped within the active profile. “Copy From” transfers an existing layout before profile-specific changes are made.

Lighting controls manage RGB color and brightness. Software and compatible feature updates are handled through the hub’s discreet USB-C service connection.

MADTRACELAB FUNCTION WORKSPACE



READ BEFORE ORDERING

Want to program anything outside “Steering Wheel”? Add CIM. This screenshot is an example workspace; visible categories and commands depend on the selected chassis and installed integration hardware.

MULTI-PROFILE SETTINGS

Up to three complete profiles can be stored directly in the Clubsport hub’s internal memory.
Each profile can contain independent button assignments and RGB illumination settings.
Without CIM, every profile remains limited to functions in the MadtraceLAB “Steering Wheel” category.
With CIM installed, supported vehicle-network commands can be saved independently in each profile.
The base Clubsport hub does not include a dedicated button profile quick-switch.
The optional OLED DID enables on-wheel profile switching and button-layout mapping without reconnecting to a computer.

STORED PROFILE	SUGGESTED USE	WHAT IS RETAINED
Profile 1	Primary race layout	Selected functions + lighting
Profile 2	Secondary driver / condition	Independent functions + lighting
Profile 3	Alternate vehicle / endurance	Verify chassis before use

CONTROL INPUT ARCHITECTURE

STANDARD CLUBSPORT CONTROLS

Eight RGB-backlit push buttons provide direct access to frequently used mapped commands.

Two joystick-style controls expand the input count without adding more button pods. Each joystick can support Press, Up, Down, Left, Right, Clockwise and Counterclockwise assignments when enabled.

The standard hub maps supported factory steering-wheel commands. With CIM installed, additional supported vehicle-control commands may also be assigned.

Optional magnetic paddles add transmission or auxiliary inputs when supported by the selected vehicle and ordered configuration.

Keep critical commands in consistent positions across all three stored profiles.

INPUT GROUP	AVAILABLE ACTIONS	TYPICAL ASSIGNMENT
Front buttons	8 push inputs	Horn, menu, phone, cruise*
Left joystick	Press / U / D / L / R / CW / CCW	Volume, menu navigation*
Right joystick	Press / U / D / L / R / CW / CCW	Vehicle / cluster navigation*
RGB lighting	Color + brightness	Recognition by profile
Profiles	3 stored layouts	Driver / condition setups
Optional paddles	Supported inputs	Shift or mapped command*
Dedicated quick-switch	Not equipped	Use optional OLED DID

CONFIGURATION NOTE

*Examples depend on chassis and factory equipment. Commands outside the Steering Wheel category additionally require CIM. Keep critical controls within easy reach.

OPTIONAL OLED DRIVER INFORMATION DISPLAY

Every Clubsport Line system includes a standard horn cap. The optional OLED Driver Information Display replaces that horn cap for customers who want direct on-wheel control.

The DID enables button-layout mapping and profile switching without reconnecting the hub to a computer.

Display brightness and RGB button illumination can also be adjusted from the DID interface.

Supported real-time vehicle data depends on the selected chassis' CIM, installed integration hardware and software configuration.

MadtraceLAB remains available for complete configuration, updates and detailed profile setup.

Test the vehicle after any on-wheel mapping change, even when the DID confirms the assignment was saved.

DID CAPABILITIES

CAPABILITY	STATUS
Real-time vehicle data	When supported
Button mapping	Direct on-wheel control
Profile switching	Direct on-wheel control
Display brightness	Adjustable
RGB button colors	Adjustable
Computer connection	Not required for DID changes

ORDERED OPTION

Clubsport ships with a standard horn cap unless the OLED DID is selected in the ordered configuration.

OPTIONAL MAGNETIC PADDLE SHIFTERS

Single Magnetic paddle shifters are available as an ordered Clubsport option for supported applications. No Dual paddle shifters are available for Clubsport Line

On compatible automatic-transmission vehicles, the paddles can be assigned to upshift and downshift.

On supported manual-transmission vehicles, the inputs may be assigned to non-shifting commands.

Without CIM, paddle assignments remain limited to supported commands in the MadtraceLAB “Steering Wheel” category.

With CIM installed, supported expanded vehicle commands may be available, but every assignment must be verified on the actual chassis.

Paddle mappings can be stored independently in each of the three profiles.

Verify every assignment with the vehicle stationary before track use.

MAPPING SAFETY

Program only functions that can be safely operated from a paddle. Avoid any assignment that could cause an unintended vehicle-state change during steering input.

INCLUDED EQUIPMENT + ORDERED OPTIONS

CONFIGURATION AT A GLANCE

ITEM	STANDARD CLUBSPORT KIT	ORDERED OPTION
Vehicle integration	Vehicle-specific harness + LIN-based factory steering-wheel integration	CAN Bus Integration Module for expanded vehicle control
Driver interface	Clubsport control hub with standard horn cap	OLED DID, magnetic paddles and wheel/adapter choices as selected

EACH CLUBSPORT LINE HUB KIT INCLUDES

- 1x CLUBSPORT Line control hub unit
- 1x Quick-release base with integrated chassis PCB
- 1x Vehicle-specific harness kit
- 1x Resistor
- 1x Adapter hub (Boss Kit)

- 1x Adapter hub locking wrench
- 1x Trim-removal tool
- 1x Hardware kit
- 1x Allen key
- 1x Button-sticker set
- 1x JQ Werks / Madtrace sticker set

ORDER OPTIONS CAREFULLY

CIM, OLED DID, magnetic paddles, wheel rim and adapter choices depend on the ordered configuration. Verify the exact chassis, transmission and selected options before checkout.

CONFIGURATION WORKFLOW

- 1 Confirm the exact chassis, market/region, transmission, factory steering-wheel buttons and driver-assistance equipment.
- 2 Choose the vehicle-specific hub and harness. If any non-Steering Wheel function is required, add the CAN Bus Integration Module.
- 3 Install the hub, harness and quick-release base; install CIM only when it is part of the ordered configuration. Do not splice factory wiring.
- 4 Connect through USB-C, confirm software updates and select the correct vehicle configuration in MadtraceLAB.
- 5 Map Steering Wheel commands. When CIM is installed, map only supported Car Control, General and other available commands.
- 6 Create the verified baseline profile, copy it as needed and test every button, joystick, paddle and optional DID command while stationary.
- 7 Repeat verification after any update, vehicle change, option change or profile revision, then record the final map.

IMPORTANT

This is a high-level configuration workflow, not an installation manual. Follow the application-specific guide and use a qualified professional where required.

SAFETY, USE RESTRICTIONS + SUMMARY

IMPORTANT SAFETY INFORMATION

The JQ Werks Madtrace Racing Steering Wheel System is designed only for off-road, track, racing, and competition purposes. It is not intended for street use.

Installation removes the factory steering wheel and airbag. A solid racing steering wheel can increase the risk of bodily injury in a collision.

Do not use the system with the factory three-point seat belt. JQ Werks requires a six-point racing harness with a racing roll bar for off-road use.

Do not install the system on a vehicle subject to state safety inspection.

Laws and required safety equipment vary by country, state, and region. Consult qualified legal and motorsport-safety professionals.

Professional installation, complete stationary function testing, and driver familiarization are recommended before track use.

CONTROL WITH PURPOSE.

JQ WERKS x MADTRACE

SUMMARY

The GEN2 CLUBSPORT Line combines LIN-based factory steering-wheel retention, eight programmable RGB buttons, dual joystick controls, MadtraceLAB and three stored profiles in a lightweight modular platform. Add CIM to unlock supported expanded vehicle controls; without it, programming is limited to the Steering Wheel category. OLED DID and magnetic paddles remain optional.