

## AiM Updates:

In RaceStudio3: Click the  (Cloud with arrow) for recent AiM updates. Check this often as AiM releases updates regularly. (This does require internet connection)

### Recommended download:

- RaceStudio3
- MXL2
- SmartyCam HD

\*Other Firmware options are not necessary

RaceStudio3 (64 bit) 3.59.05



Connected Devices

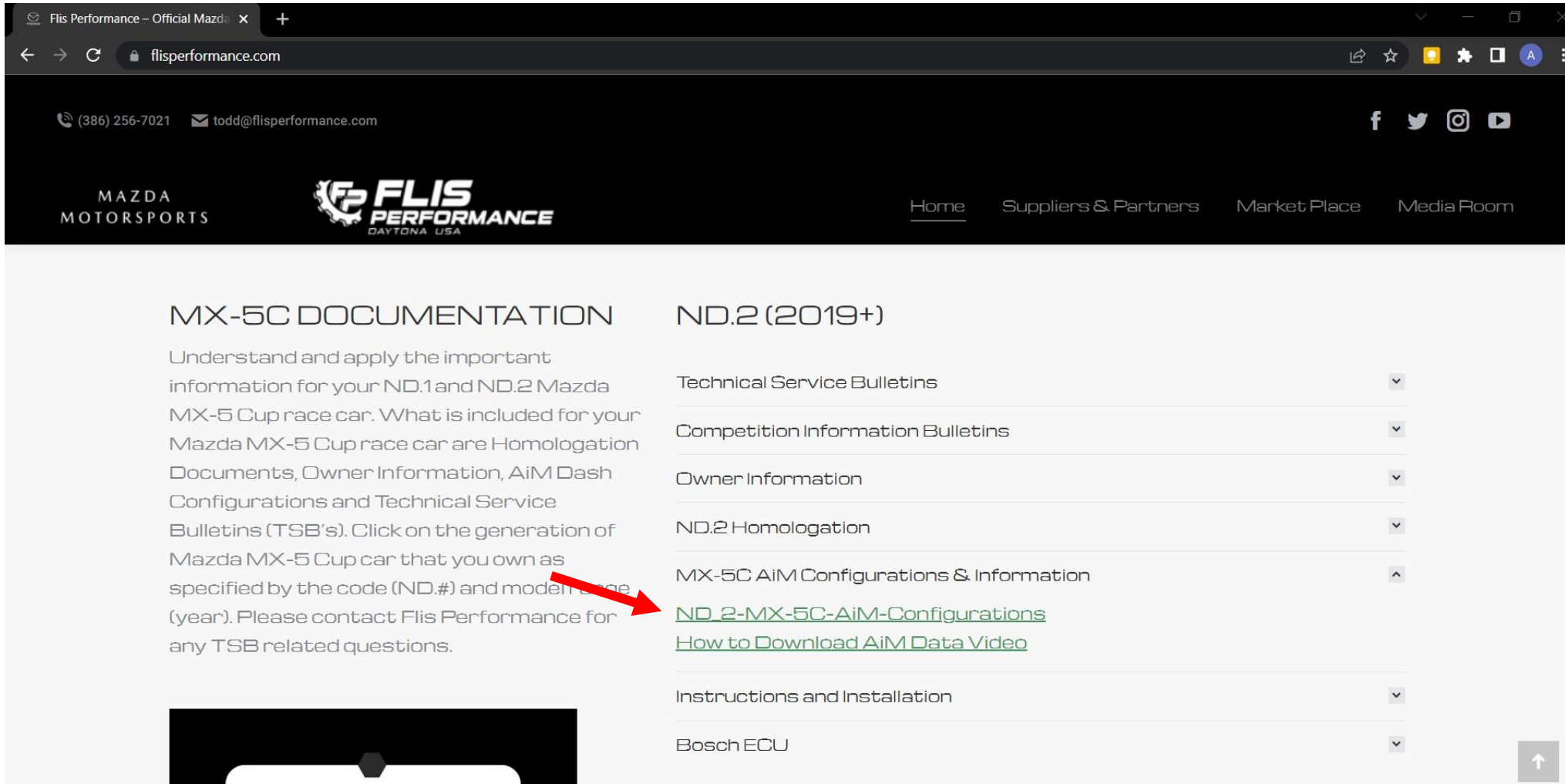


Download Updates Install SW Export Import Update Device

<input checked="" type="checkbox"/>	Name	On the web	Downloaded	Info
<b>Software - Installed version: 'RaceStudio3 (64 bit) 3.59.05'</b>				
<input checked="" type="checkbox"/>	<b>Race Studio3 (64 bit)</b>	<b>3.59.38</b>	<b>3.59.05</b>	
<b>Firmware</b>				
<input type="checkbox"/>	EVO4S	01.32.22	01.32.22	
<input type="checkbox"/>	EVO5	01.32.22	01.32.22	
<input type="checkbox"/>	MXG	01.32.22	01.32.22	
<input checked="" type="checkbox"/>	<b>MXL2</b>	<b>01.32.22</b>	<b>01.32.22</b>	
<input type="checkbox"/>	MXS	01.32.22	01.32.22	
<input type="checkbox"/>	MXS Strada	01.32.22	01.32.22	
<input type="checkbox"/>	MyChron5	01.32.08	01.32.08	
<input checked="" type="checkbox"/>	<b>SmartyCam HD</b>	<b>01.04.58</b>	<b>01.04.58</b>	
<input type="checkbox"/>	GPS09c Open	02.40.56	02.40.56	
<input type="checkbox"/>	MX2E	02.40.26	02.40.26	
<input type="checkbox"/>	MXG 1.2	02.40.53	02.40.53	
<input type="checkbox"/>	MXG 1.2 Strada	02.40.53	02.40.53	
<input type="checkbox"/>	MXG 1.3	02.40.53	02.40.53	
<input type="checkbox"/>	MXG 1.3 Strada	02.40.53	02.40.53	
<input checked="" type="checkbox"/>	<b>MXK10</b>	<b>02.28.64</b>	<b>02.28.58</b>	
<input checked="" type="checkbox"/>	<b>MXK10(11-15)</b>	<b>02.28.64</b>	<b>02.28.58</b>	
<input type="checkbox"/>	MXP	02.40.53	02.40.53	

## AiM Configuration:

Download the AiM Configuration (Located on [Flis Performance Website](https://flisperformance.com)).



The screenshot shows a web browser window with the URL flisperformance.com. The page header includes the Mazda Motorsports logo, the Flis Performance logo (Daytona, USA), and navigation links for Home, Suppliers & Partners, Market Place, and Media Room. The main content area is titled "MX-5C DOCUMENTATION" and contains a paragraph of text. A red arrow points from the text "Click on the generation of Mazda MX-5 Cup car that you own as specified by the code (ND.#) and model year" to the link "ND\_2-MX-5C-AiM-Configurations" in the navigation menu. The navigation menu also includes "ND.2 (2019+)", "Technical Service Bulletins", "Competition Information Bulletins", "Owner Information", "ND.2 Homologation", "MX-5C AiM Configurations & Information", "Instructions and Installation", and "Bosch ECU".

MAZDA MOTORSPORTS

FLIS PERFORMANCE DAYTONA, USA

Home Suppliers & Partners Market Place Media Room

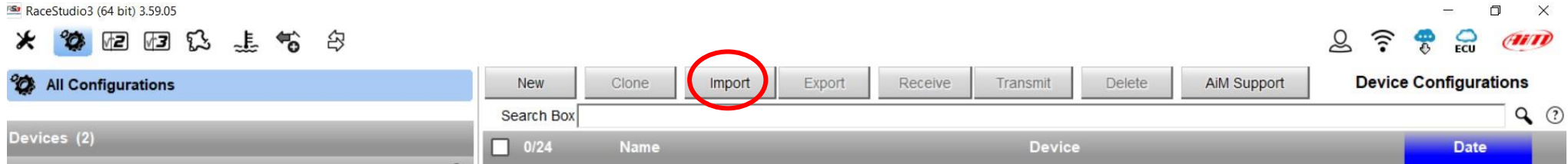
### MX-5C DOCUMENTATION

Understand and apply the important information for your ND.1 and ND.2 Mazda MX-5 Cup race car. What is included for your Mazda MX-5 Cup race car are Homologation Documents, Owner Information, AiM Dash Configurations and Technical Service Bulletins (TSB's). Click on the generation of Mazda MX-5 Cup car that you own as specified by the code (ND.#) and model year. Please contact Flis Performance for any TSB related questions.

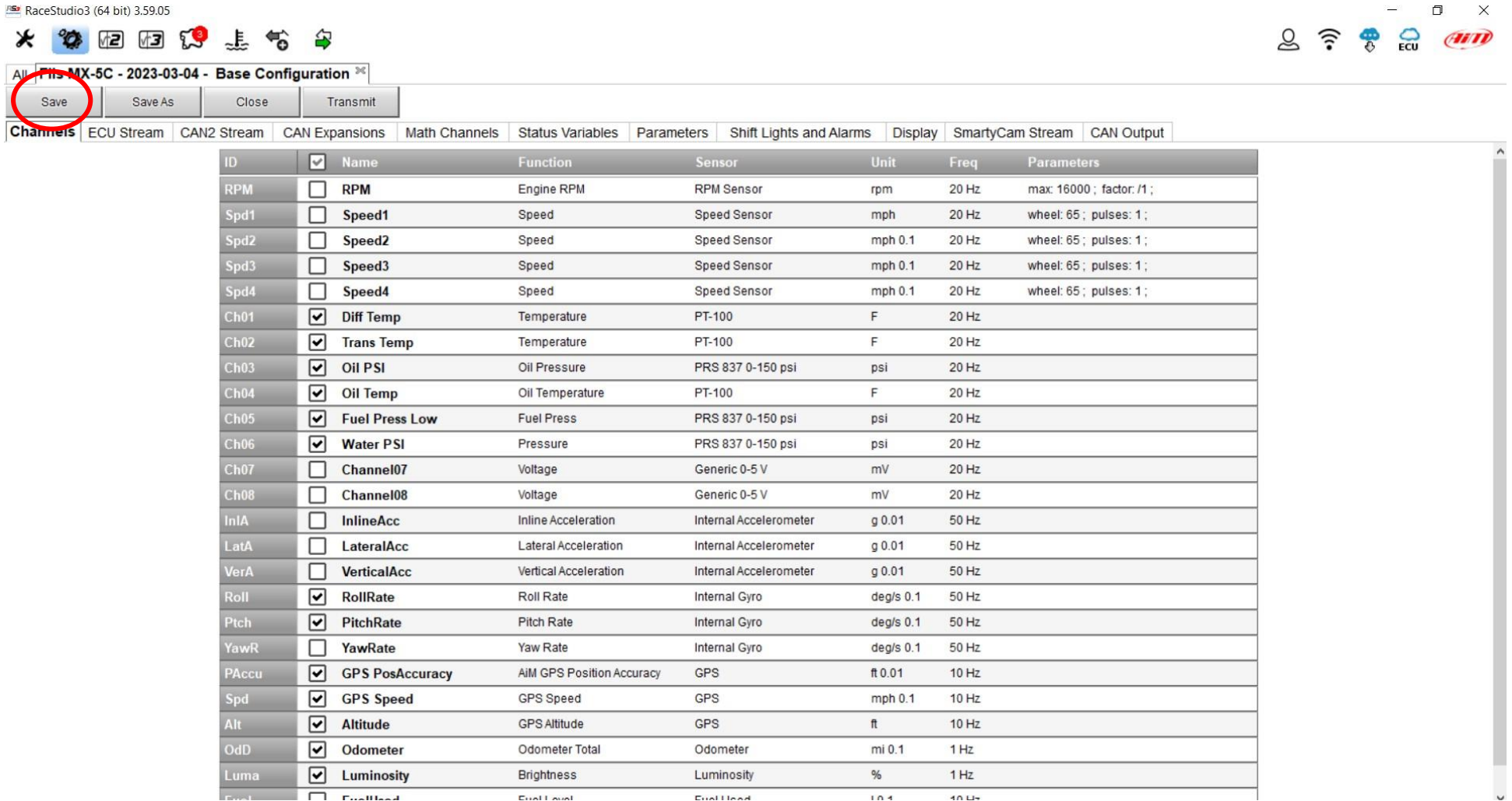
### ND.2 (2019+)

- Technical Service Bulletins
- Competition Information Bulletins
- Owner Information
- ND.2 Homologation
- MX-5C AiM Configurations & Information
  - [ND\\_2-MX-5C-AiM-Configurations](#)
  - [How to Download AiM Data Video](#)
- Instructions and Installation
- Bosch ECU

## Import Configuration in RaceStudio3:



## Double Click the Configuration to open and "Save":



# Once you have plugged into the MX-5 Cup Car, you can "Transmit" the configuration.

RaceStudio3 (64 bit) 3.59.05



All **Flis MX-5C - 2023-03-04 - Base Configuration**

Save Save As Close **Transmit**

**Channels** ECU Stream CAN2 Stream CAN Expansions Math Channels Status Variables Parameters Shift Lights and Alarms Display SmartyCam Stream CAN Output

ID	<input checked="" type="checkbox"/>	Name	Function	Sensor	Unit	Freq	Parameters
RPM	<input type="checkbox"/>	RPM	Engine RPM	RPM Sensor	rpm	20 Hz	max: 16000 ; factor: /1 ;
Spd1	<input type="checkbox"/>	Speed1	Speed	Speed Sensor	mph	20 Hz	wheel: 65 ; pulses: 1 ;
Spd2	<input type="checkbox"/>	Speed2	Speed	Speed Sensor	mph 0.1	20 Hz	wheel: 65 ; pulses: 1 ;
Spd3	<input type="checkbox"/>	Speed3	Speed	Speed Sensor	mph 0.1	20 Hz	wheel: 65 ; pulses: 1 ;
Spd4	<input type="checkbox"/>	Speed4	Speed	Speed Sensor	mph 0.1	20 Hz	wheel: 65 ; pulses: 1 ;
Ch01	<input checked="" type="checkbox"/>	Diff Temp	Temperature	PT-100	F	20 Hz	
Ch02	<input checked="" type="checkbox"/>	Trans Temp	Temperature	PT-100	F	20 Hz	
Ch03	<input checked="" type="checkbox"/>	Oil PSI	Oil Pressure	PRS 837 0-150 psi	psi	20 Hz	
Ch04	<input checked="" type="checkbox"/>	Oil Temp	Oil Temperature	PT-100	F	20 Hz	
Ch05	<input checked="" type="checkbox"/>	Fuel Press Low	Fuel Press	PRS 837 0-150 psi	psi	20 Hz	
Ch06	<input checked="" type="checkbox"/>	Water PSI	Pressure	PRS 837 0-150 psi	psi	20 Hz	
Ch07	<input type="checkbox"/>	Channel07	Voltage	Generic 0-5 V	mV	20 Hz	
Ch08	<input type="checkbox"/>	Channel08	Voltage	Generic 0-5 V	mV	20 Hz	
InlA	<input type="checkbox"/>	InlineAcc	Inline Acceleration	Internal Accelerometer	g 0.01	50 Hz	
LatA	<input type="checkbox"/>	LateralAcc	Lateral Acceleration	Internal Accelerometer	g 0.01	50 Hz	
VerA	<input type="checkbox"/>	VerticalAcc	Vertical Acceleration	Internal Accelerometer	g 0.01	50 Hz	
Roll	<input checked="" type="checkbox"/>	RollRate	Roll Rate	Internal Gyro	deg/s 0.1	50 Hz	
Ptch	<input checked="" type="checkbox"/>	PitchRate	Pitch Rate	Internal Gyro	deg/s 0.1	50 Hz	
YawR	<input type="checkbox"/>	YawRate	Yaw Rate	Internal Gyro	deg/s 0.1	50 Hz	
PAccu	<input checked="" type="checkbox"/>	GPS PosAccuracy	AIM GPS Position Accuracy	GPS	ft 0.01	10 Hz	
Spd	<input checked="" type="checkbox"/>	GPS Speed	GPS Speed	GPS	mph 0.1	10 Hz	
Alt	<input checked="" type="checkbox"/>	Altitude	GPS Altitude	GPS	ft	10 Hz	
OdD	<input checked="" type="checkbox"/>	Odometer	Odometer Total	Odometer	mi 0.1	1 Hz	
Luma	<input checked="" type="checkbox"/>	Luminosity	Brightness	Luminosity	%	1 Hz	
Fuel	<input type="checkbox"/>	FuelLevel	Fuel Level	Fuel Level	1.0	10 Hz	

## Formatting the MXL2: (NOTE: Download all data before Formatting the MXL2 as this will delete all stored data)

1. Click on the "Connected Device"
2. Click the Download Tab
3. Click the "Gear" icon next the Refresh List button

The screenshot shows the RaceStudio3 interface with the following elements:

- Top Bar:** RaceStudio3 (64 bit) 3.59.05, system icons, and user profile.
- Left Panel:**
  - All Configurations:** Gear icon.
  - Devices (2):** Manual Collections (gear icon), 2023 MX-5C Flis Performance (2) (star icon), MX-5C (star icon).
  - Connected Devices:** MXL2 ID 4304384 (blue highlight, gear icon).
  - Trash:** Trash icon.
- Main Panel:**
  - Header:** MXL2 ID 4304384 (USB).
  - Navigation Tabs:** Live Measures, **Download** (highlighted), WiFi and Properties, Settings, Tracks, Counters, Logo, Firmware.
  - Buttons:** Download, Unhide Downloaded, Delete, Show Also Deleted, Refresh List (gear icon).
  - Data List:**
    - May 21
    - May 27
    - May 22 8:31 AM (1, a\_0009.xrz, 60.00 kB)
    - May 14
    - May 20
    - 2022 May 01
    - 2022 May 07

Red arrows and black boxes with numbers 1, 2, and 3 indicate the steps: 1 points to the 'Connected Devices' list, 2 points to the 'Download' tab, and 3 points to the gear icon next to the 'Refresh List' button.

MXL2 ID 4304384 (USB)

Select "Format Data Memory" from the drop down:

Live Measures | **Download** | WiFi and Properties | Settings | Tracks | Counters | Logo | Firmware

Download | Unhide Downloaded | Delete | Show Also Deleted | Refresh List | Settings

<input type="checkbox"/>	▶								
<input type="checkbox"/>		May 21							
▼		May 27							
<input type="checkbox"/>		May 22 8:31 AM							
1		?					a_0009.xrz	60.00 kB	
		May 14							
▶		May 20							
		2022 May 01							
▶		2022 May 07							

Context menu:  
Merge sessions of the same day  
Merge all sessions  
Settings...  
**Format Data Memory** (indicated by a red arrow)

Click "Yes" to confirm formatting

All Configurations

Devices (2)

Manual Collections

- ★ 2023 MX-5C Flis Performance (2)
- ★ MX-5C

Connected Devices

- MXL2 ID 4304384

MXL2 ID 4304384 (USB)

Live Measures | **Download** | WiFi and Properties | Settings | Tracks | Counters | Logo | Firmware

Download | Unhide Downloaded | Delete | Show Also Deleted | Refresh List | Settings

<input type="checkbox"/>	▶								
<input type="checkbox"/>		May 21							
▼		May 27							
<input type="checkbox"/>		May 22 8:31 AM							
1		?					a_0009.xrz	60.00 kB	

AiM - Race Studio 3

ⓘ This will erase all logged files in your device. Confirm formatting?

Yes No (indicated by a red arrow)