

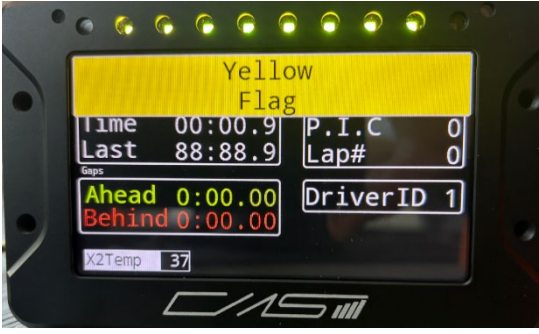
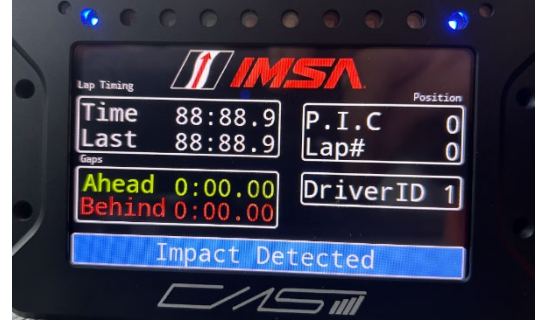
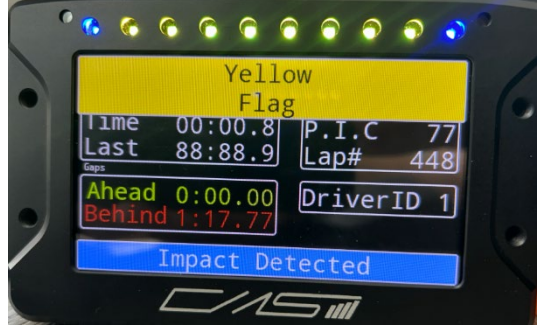


This document outlines the XAP display configuration and screen content for the WeatherTech SportsCar Championship, GTP, GTD-PRO, GTD, and LMP2 Classes. It details the information presented on each display screen and specifies when each screen is active during IMSA Events.

All teams competing in the WeatherTech SportsCar Championship, GTP, GTD-PRO, GTD, and LMP2 Classes are expected to review and familiarize themselves with the contents of this document.

IWSC GTP, GTD Pro and GTD XAP Marshalling Display

	Diag Page • Only visible when off-track and Driver ID is disconnected • PPU Testmode: See Bosch Series Scrutineering Manual • Pitot: Pitot pressure (mbarR) • Ride Height: laser ride height sensors (mm) • Blue and Yellow boxes provide basic information from driveshaft torque meters
	On-Track Page • Visible after crossing an IMSA timing loop • Time: Current Lap Time • Last: Previous Lap Time • Ahead: Time to Car ahead • Behind: Time to Car behind • P.I.C: Position in Class • X2Temp: Transponder Temperature (°C)

 The display shows a yellow banner at the top with the text "Yellow Flag". Below the banner, the following information is displayed: Time 00:00.9, Last 88:88.9, P.I.C 0, Lap# 0, Ahead 0:00.00, Behind 0:00.00, DriverID 1, and X2Temp 37.	Yellow or Red Flag on Course Full course yellow or red flag will illuminate yellow LED's and add a yellow banner across the top of the screen.
 The display shows a blue banner at the bottom with the text "Impact Detected". Above the banner, the following information is displayed: Lap Timing, Time 88:88.9, Last 88:88.9, P.I.C 0, Lap# 0, Ahead 0:00.00, Behind 0:00.00, DriverID 1, and Position.	Impact Banner Triggered when the ADR detects an impact exceeding defined thresholds
 The display shows a yellow banner at the top with the text "Yellow Flag" and a blue banner at the bottom with the text "Impact Detected". Above the yellow banner, the following information is displayed: Lap Timing, Time 00:00.8, Last 88:88.9, P.I.C 77, Lap# 448, Ahead 0:00.00, Behind 1:17.77, DriverID 1, and Position.	Yellow Flag and Impact Banner Full course yellow or red flag and ADR impact detected

IWSC LMP2 XAP Marshalling Display

 IMSA DIAG PAGE			
NTX Volts	13.1	LED Bright	3
NTX FW	7004	LCD Bright	3
NTX SW	4210	pBrakeF	2
CAN1 Diag	OK	nEng	2500
CAN2 Diag	OK	aPPS	0
Driver ID	4	aSteer	0
X2 ID	16768746		
ADR	Init	Config Name	

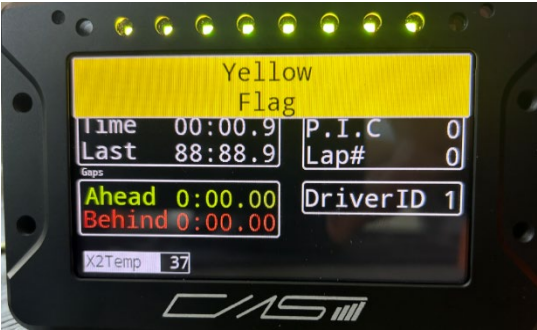
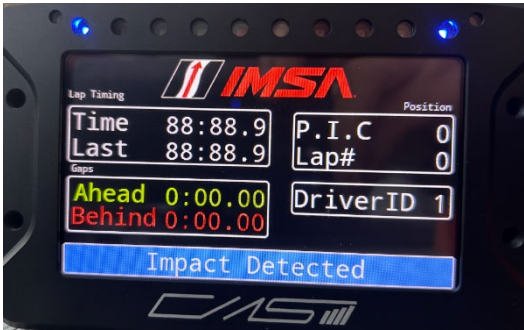
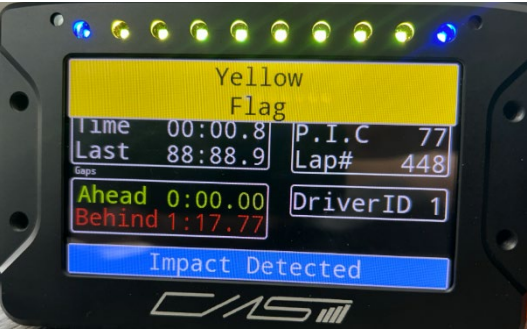
Diag Page

- Visible after power cycle
- NTX Volts: XAP supply (VDC)
- NTX FW: XAP Firmware Version
- NTX SW: XAP Software Version
- CAN 1 Status: Leader Light CAN BUS
- CAN 2 Status: Vehicle data CAN BUS
- X2 ID: X2 transponder ID number
- ADR (Status):
 - Init: ADR Initialized
 - DL Req: ADR Download Required
 - NoECUDat: ADR not receiving data from ECU
 - USB Con: USB connected
- LED Bright: Commanded XAP LED brightness level (0-7)
- LCD Bright: Commanded XAP display brightness level (0-7)
- pBrakeF: Front Brake pressure (bar)
- nEng: Engine speed (RPM)
- aPPS: Throttle pedal position (%)
- aSteer: Steering wheel angle (°)

 IMSA			
Lap Timing		Position	
Time	01:43.4	P.I.C	2
Last	01:44.3	Lap#	31
Gaps		DriverID 4	
Ahead 0:03.25			
Behind 0:52.14			
X2Temp	32		

On-Track Page

- Visible after crossing an IMSA timing loop
- Time: Current Lap Time
- Last: Previous Lap Time
- Ahead: Time to Car ahead
- Behind: Time to Car behind
- P.I.C: Position in Class
- X2Temp: Transponder Temperature (°C)

 The display shows a yellow banner at the top with the text "Yellow Flag". Below the banner, the following information is displayed: Time 00:00.9, Last 88:88.9, P.I.C 0, Lap# 0, Ahead 0:00.00, Behind 0:00.00, DriverID 1, and X2Temp 37. The IMSA logo is visible at the bottom of the display.	Yellow or Red Flag on Course Full course yellow or red flag will illuminate yellow LED's and add a yellow banner across the top of the screen.
 The display shows the IMSA logo at the top. Below it, the following information is displayed: Lap Timing Time 88:88.9, Last 88:88.9, P.I.C 0, Lap# 0, Ahead 0:00.00, Behind 0:00.00, DriverID 1, and a blue banner at the bottom with the text "Impact Detected". The IMSA logo is visible at the bottom of the display.	Impact Banner Triggered when the ADR detects an impact exceeding defined thresholds
 The display shows a yellow banner at the top with the text "Yellow Flag". Below the banner, the following information is displayed: Time 00:00.8, Last 88:88.9, P.I.C 77, Lap# 448, Ahead 0:00.00, Behind 1:17.77, DriverID 1, and a blue banner at the bottom with the text "Impact Detected". The IMSA logo is visible at the bottom of the display.	Yellow Flag and Impact Banner Full course yellow or red flag and ADR impact detected