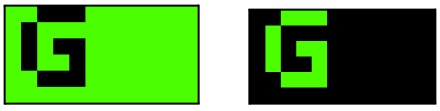
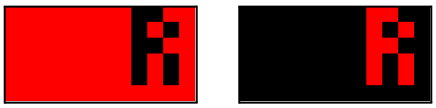
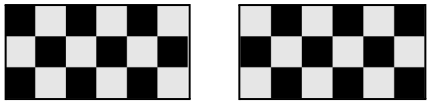
2024 In-Car & On-Track Flagging Key

V. 092024

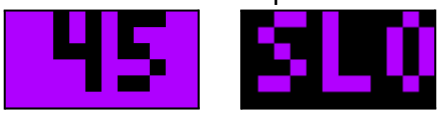
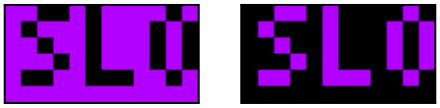
Full Course Conditions:

Condition	FT200/FT-RD In-Car Display
Green	 (1Hz Flash Rate) (Static)
• Green Flag will do the following: ○ The FT Device in-car display will flash with a "G" for 10 seconds, then go to a constant full screen green with the "G" on the left side of the display for the next 20 seconds. Following those 30 seconds, the display will go to a low power / low focus state with dimmed green pixels in a "speckled" manner. ○ Any local flags may override this full track state.	
Full Course Yellow	(1Hz Flash Rate, then Static)
• Full Course Yellow will do the following: ○ The FT Device in-car display will flash with a "Y" for 10 seconds, then go to a constant full screen yellow with the "Y" in the middle of the display for the remaining time under caution. ○ "FCY" is often referred to as "double yellow." Flagstand workers will hold out two yellow flags in a steady manner. ○ Any local flags may override this full track state.	

Full Course Conditions Continued:

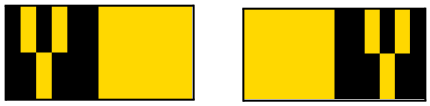
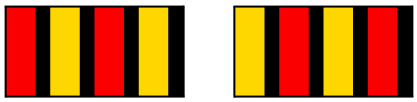
Red	 (1Hz Flash Rate, then Static)
● Red Flag will do the following: ○ The FT Device in-car display will flash with a "R" for 10 seconds, then go to a constant full screen red with the "R" on the right side of the display for the remaining time under the red track state.	
Full Course Black Flag	(1Hz Flash Rate)
● Full Course Black Flag will do the following: ○ The FT Device in-car display will have an unlit background and flash a white "BF" ○ Any local flags may override this full track state.	
Checkered	 (1Hz Flash Rate, then Static)
● Checkered will do the following: ○ The FT Device in-car display will display a checkered pattern on the screen. ○ Any local flags may override this full track state.	

Full Course Conditions Continued:

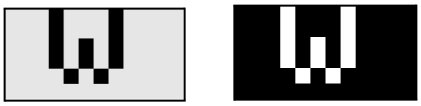
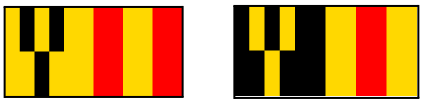
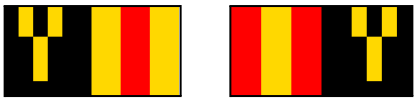
Condition	FT200/FT-RD In-Car Display
VSC/Code 45	45 Mph or less (Static) 46 to 49 Mph  (2Hz Flash Rate) 50 Mph or over  (4Hz Flash Rate)

- VSC/Code 45 will do the following:
  - When traveling 45 Mph or less: The FT Device in-car display will have a static display of a purple background with an unlit “45” in the middle.
  - When traveling 46 to 49 Mph: The FT Device in-car display will flash a purple background with an unlit “45” then alternate an unlit background with purple “SLO” at a rate of 2Hz (twice per second).
  - When traveling at 50 Mph or over: The FT Device in-car display will flash a purple background with an unlit “SLO” then alternate an unlit background with purple “SLO” at a rate of 4Hz (4 times per second).

Local Conditions:

Condition	FT200/FT-RD In-Car Display
Local Yellow (Standing)	(1Hz Flash Rate)
• Local Yellow (Standing) will do the following: ○ The FT Device in-car display will flash as shown above throughout the Corner Station Display Zone. The "LY" will help to distinguish that the yellow is a local condition.	
Waving Yellow	 (1Hz Flash Rate)
• Waving yellow will do the following: ○ The FT Device in-car display will flash as shown above throughout the Corner Station Display Zone. The "Y" on one half of the screen and solid yellow block on the other half of the screen will help to distinguish from the other types of yellows. These halves will alternate to visualize a waving condition.	
Surface	 (1Hz Flash Rate)
• Surface will do the following: ○ The FT Device in-car display will flash alternating yellow and red stripes as shown above throughout the Corner Station Display Zone.	

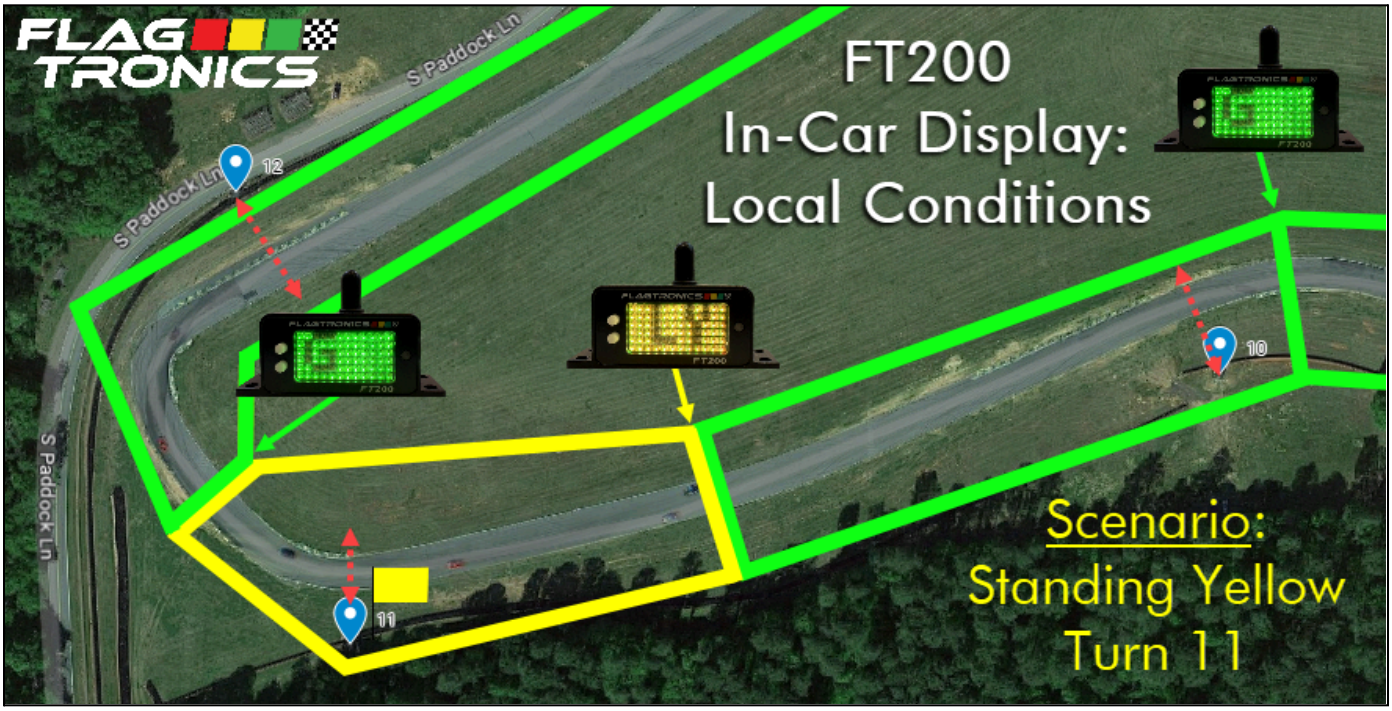
Local Conditions Continued:

White	 (1Hz Flash Rate)
• White will do the following: ○ The FT Device in-car display will flash as shown above throughout the Corner Station Display Zone.	
Local Yellow + Surface	 (1Hz Flash Rate)
• LY + Surfacewill do the following: ○ The FT Device in-car display will flash as shown above throughout the Corner Station Display Zone. The "Y" remaining on one half of the screen will distinguish the yellow is standing, along with surface being shown.	
Waving Yellow + Surface	 (1Hz Flash Rate)
• WY + Surfacewill do the following: ○ The FT Device in-car display will flash as shown above throughout the Corner Station Display Zone. The "Y" changing from one half of the screen to the other will distinguish the yellow is waving, along with surface being shown.	

Rules for Local Conditions being Displayed In-Car

The Flagtronics In-Car Devices are designed to give Drivers ample warning of changing local conditions. Using predefined GPS-based Corner Station Display Zones, the FT Devices will display the Local Condition of the next Corner Station as the Driver is within reasonable line-of-sight of said Corner Station. The change in conditions on the FT Device is a prompt for the Driver to look at the approaching Corner Station and its current condition.

In the example below, Turn 11 has issued a Standing Yellow. When a driver passes Turn 10 and reaches the Turn 11 Display Zone, the FT Device will change from “Green” to “Local Yellow”. When the Driver reaches the Turn 12 Display Zone, the FT Device will change back to “Green”. The local condition displayed on the FT Device **does NOT denote** when the Driver has entered or cleared a No Passing Zone. No Passing Zones are governed by the sanctioning body rule book and are independent of the FT Device Display Zones.



Individual Flags:

Condition	FT200/FT-RD In-Car Display
Black Flag	(1Hz Flash Rate)
● Individual Black Flag: ○ The FT Device in-car display will have an unlit background and flash a white "BF"	
Mechanical Flag / Meatball	(1Hz Flash Rate)
● Individual Mechanical Flag / Meatball: ○ The FT Device in-car display will have an unlit background and an orange circle, then alternate to an orange background and an unlit circle. This condition notifies the driver there is something wrong with their vehicle and the driver should report to pit lane.	

Pit Lane Functions:

Function	FT200/FT-RD In-Car Display
Pit Timer Function	1:34 4:59 28 sec

- Pit Timer Function:
  - While on Pit Lane, the FT Device in-car display will count up in seconds starting as the car crosses Pit Entry line and ending when the car crosses Pit Exit line. The display does not show the ":" symbol, therefore 134 equals 1 Minute 34 Seconds.
  - The color of the display will match the current Full Course Condition and will change if the Full Course Condition changes while the car is on Pit Lane. For example, if you entered Pit Lane during a Full Course Yellow, the display would be Yellow. If the race returned to Green Flag condition while still on Pit Lane, the display would change to Green.
  - During an event with a minimum Pit Stop Time (for example, 5 Minutes during an Enduro), if the car crosses Pit Exit line before achieving the required minimum Pit Stop Time, the total time will be logged in real-time to the Race Control Notes as an infraction for review by the Race Director.

Speeding On Pit Lane	(1Hz Flash Rate)

- Speeding On Pit Lane Function:
  - The FT Device in-car display will have an unlit background and flash "SLO" if you are exceeding the posted Pit Lane Speed Limit. Once the car comes into compliance with the Pit Lane Speed Limit, the display will revert to the Pit Time Function defined above..
  - The color of the display will match the current Full Course Condition and will change if the Full Course Condition changes while the car is on Pit Lane. For example, if the car entered Pit Lane during a Full Course Yellow, the display would be Yellow. If the race returned to Green Flag condition while still on Pit Lane, the display would change to Green.