

Software change log

Version 1.0:

Initial public release

Version 1.1:

Flipped top touch logic to detect high to low transitions of active-low hall-effect sensors

Version 1.2:

Corrected timer mistake to make the reversal interval 20 seconds instead of 19 seconds

Version 2.0:

Updated code to work with iRobot Create 2. Changed serial baud rate to 115200 bps to be compatible with Create 2 serial spec. Adjusted LED behavior and USB serial writes to be more useful for debugging.

Version 2.1:

Added additional state to toggle the BRC pin as well as the OI mode to make sure that the Create 2 does not go to sleep. This additional state is triggered once per minute when in the TargetWait or ObstacleWait states which effectively resets the 5 minute auto-sleep timer.

Version 2.2:

Added additional state toggles to correct sleep mode behavior on obstacle robots. No changes were made to the target robot code.