



# ReacTime Firmware Version 2.0 Release Notes

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ReacTime Firmware 1.40 Release Notes

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# Introduction

The firmware for the ReacTime Block Sensor and Command Center has been upgraded with the features described in this document. Please refer to page 31 of the *ReacTime Operator's Manual* for instructions on how to update the firmware on a Block Sensor and on the Command Center.

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There is a new "IAAF" Detection Threshold option (in addition to the existing "Normal" and "Aggressive" options).

Each detection threshold option now has a fourth parameter (Offset) that you can see and modify in the "Other" menu. This Offset defaults to 0 for Normal and Aggressive and 13 for IAAF.

The motion settings now default to IAAF for both new and upgrade installations.

There is a new Command Center option called "Lane Mask". This allows you to set each lane to one of 3 states:

**Active:** Block Sensor is present and a runner is in the block

**Empty:** Block Sensor is present but the block is empty. Reaction times from this sensor will be ignored by the Command Center, though they will still appear on the Block Sensor display.

**Missing:** Block Sensor is not attached/turned on/etc. No attempt is made to communicate with this Block Sensor.

The default for all lanes is Active. Furthermore, anytime that the number of lanes is changed all lanes will revert to the Active state.

The Lane Mask option is a bit more complicated to change than other options. When you select this option you'll see a series of capital letters indicating the state of each lane (A/E/M). The right-most letter is lane 1. Hitting the up arrow changes which lane can currently be modified. The current lane is indicated by its letter becoming lower case and its number appearing to the left of the mask. Hitting the down arrow toggles through the 3 options for the current lane.

The Command Center supports the ability to remotely set the lane masks.

+ The Command Center allows two text lines (max 31 characters each) to be set that are then printed with each printout.