
2019-FRC Documentation

Release Documentation

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Code for 3197's Robot competing in the 2019 challenge, Destination: Deep Space

CHAPTER 1

Code-Related

I2C

VSCode Basics

CHAPTER 2

Class Documentation

CHAPTER 3

Updating/Installing Firmware

Updating and Imaging the RoboRIO

Updating REV Spark Max Firmware

Diagrams/Configurations

Motor Controller Spreadsheet

4.1 Controller Configurations

The A button on both controllers needs to be held in order to access their functions.

X and Y control the Hatch Panel Mechanism, henceforth known as the “Bird.”

Driver Left Trigger and Right Trigger control the Forward Climber while Driver Left Bumper and Right Bumper control the Backward Climber.

Left and Right on all joysticks are currently unused.

CONTROLLER MAP CURRENTLY OUTDATED. WILL UPDATE SOON.

CHAPTER 5

Helpful Resources

[WPILib Documentation](#)

[Limelight Documentation](#)

[REV Robotics Documentation](#)

[reStructuredText Basics](#)

[Markdown Basics](#)