# The FRC Bible at SPS

## Team Info Quick Look

1. SPS Team Name: 1512
2. Red Team A
   1. Radio name: RedA
   2. Laptop number: MacBook Pro LT5
   3. RoboRIO IP address: 10.15.12.2
3. Red Team B

## Turn off the Windows Firewall

1. Xxx

## Uninstall Old Software

1. Xxx

## Installation of the Software

1. Xxx

## RoboRIO Setup

1. Xxx
2. FTP information:
   1. FTP user name: “lvuser” (that is, lowercase “LVUSER”)
   2. FTP password: “” (i.e., blank)
   3. FTP port: 22
   4. RedA
      1. Radio IP address: 10.15.12.2
      2. FTP connection: <ftp://10.15.12.2>
   5. RedB
      1. Radio IP address: 10.15.12.xxx
      2. FTP connection: <ftp://10.15.12.xxx>

## Programming the Radio

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## Writing and Uploading Test Code to the RoboRio

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## CAN Venom Motor Info

1. Yellow and green CAN wires:
   1. Yellow is HIGH
   2. Green is LOW
   3. Originate on the RoboRio.
      1. This port includes the necessary
   4. Connection must terminate on the Main Power Distribution bus (“Term/Res On Off”)!!!
2. Motor ID:
   1. To find motor ID, open a web browser, enter the IP RoboRio, then “:[teamName]”. E.g., RedA would be: “10.15.12.2:2812”
   2. Select PWF Device Configuration
   3. Update
   4. Identify
      1. Motors usually have IDs 1, 2, 3 in order of their position on the daisy chain.
   5. See flashing red and green LEDs for motor status

## Xbox Controller Info

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## Using Non-Proprietary Digital and Analog Sensors

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## Understanding the Timers of the FRC Game Tools

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## GitHub SPS Details

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