Competitions

**Pasco-Ray Programming Guide**

**Team RUSH 27 Labview**

**Matt Pasco**

**Michael Ray**

**Competition**

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**When You Arrive**

1. Take robot radio (wireless router) to FTA (Field Technical Assistant)
2. There will either be a program where you set it up manually or they will do it for you.
   1. If there’s a program all you have to do is type in your team number
   2. Otherwise just drop it off wherever they tell you and they will bring it to you (or you might just stand there and wait they will tell you)

**Managing Code / Keeping a Change log**

1. MAKE SURE YOU HAVE A DROPBOX OR AN ONLINE BACKUP SERVICE ACCOUNT
2. Reread step 1
3. Make sure whenever you are working on the code you have the backup of the code before
4. Title it *Year TeamName Date Creator Name*
5. When making a new version it is best to duplicate the entire project and just rename it so you don’t have to worry about any errors
6. Always back up
7. On the dropbox and on computers make sure to make a folder for each competition

Create a physical notepad that you can document going into the competition and after each match what code you have on the robot including the auton csv (pending if you use it)

|  |  |  |
| --- | --- | --- |
| Match Number | Robot Code | CSV |
| 42 | 2013 Robot Code 22a | Drivestraight33a |
| 53 | 2013 Robot Code 22a | Turnthendrive53a |

So from the log at match 42 we were using robot code from the match 22 (revision a) and the auton we made/edited for match 33. Then on match 53 we did not edit the robot code at all. But we changed the csv for that match. This way we know which code we have and when it was changed.

When saving the code

Name: Year robot code match edited revision

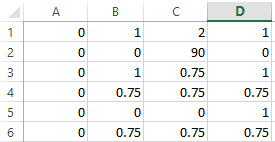
CSV: Description/name match edited revision

**Filezilla**

Filezilla is a FTP (file transferring protocol) that you can upload and download files from a specific IP, For example for our auton files we created another folder call “auton” on the root of the crio and we will upload the CSV files.

**Editing CSV**

Case Selector



Time/distance (in given values)

Shooter

Bridge actuator

Power

heading

Clear Values