

Biweekly Status Report #2

Group sdmay20-31

AUTOMATIC TRACKING OF ACTORS WITH INTELLIGENT THEATRICAL LIGHTING SYSTEMS

Week Summary:

During these last two weeks, the team got to work with the localino boards and radio chips. The WiFi and radio chips were soldered onto the board and another programming device had to be ordered so that we could flash the location's with their software. The code for spotlight controls was developed and further tested.

Past week accomplishments:

- Figured out how to flash the localino firmware to the localino, not the wifi chip.
- We have an approach to flash the wifi chip on the board.
- The board and the wifi chips are soldered for the board communication.
- The development of the spotlight control software for more precision.

Pending issues:

- The location documentation is somewhat confusing and some pins are named differently in the PDF, we have received more instructions from Localino via email and we will attempt to use them.
- The ESP8266 wifi chip is not going to flash mode, even though we are following the required instructions .
- The Wifi chip needs to be flashed first before flashing the board firmware, so we need to figure out how to flash the wifi chip, that is the hold-up.

Name	Individual Contributions	Hours this week	Hours cumulative
Joel Ohge	Spotlight Programming Team Milestones	14	24
Hassan Alhaddad	Flashing localinos	14	24
Hassan Almohammedsaleh	Soldering Flashing localinos	14	24
Raed Abloushy	Flashing localinos	14	24
Mouez Zayed	Soldering Flashing localinos	14	24

Plans for the upcoming week:

- Get the Wifi ESP8266 in Flash mode and Flash both the wifi chip and localino
- Configure and test the localino to give us 3D coordinates
- Test the approximate accuracy and jitter of the 3D coordinates given by the localino