Weekly Progress Report
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Team 2
Hassam Sultan, Kevin Golebieski, Michael Cahill
Budget

Remaining Budget: $1,491.84
Battery Charger

- Battery Charger Ordered
- Provides internal charging circuit
Display Options

- BF561 Development board
- A-V EZ-Extender
Touch Panel Option

- Touch Panel Monitor runs live front panel via windows CE
- Compatibility with blackfin to run stepper motor
- Expensive at ~$800
- Connected to computer still
BF561 display Issues

- Can’t display live front panel
- Can display JPEG images but only when connected through LAN Extender (limited space on development board)
- Would need to add numeric LCDs
- Questionable compatibility regarding 3 separate LCDs, and buttons/switches
Embedded Problems

- Blackfin and Analog Device support is slow and unreliable
- Long response time pushes solutions and problems back weeks at a time
- LCD, serial port, switches, buttons and numeric LCDs may not all be supported
- No way to completely disconnect from computer
Stepper Motor

- Spoke with Max Feldman about stepper motor VI
- Need manufacturer datasheet in order to initialize all the necessary commands for serial port
- Encoder still to be determined also to feedback speed into LabVIEW
Work to be Done

- Final direction decided
- Question compatibility and functionality through Analog Devices
- Appropriate parts ordered
- Waveforms analysis applied to DAQ assistant to begin recreating alarms
- Encoder analysis to check rotational speed
- Stepper Motor/LabVIEW® connection via serial port once datasheet obtained
- Check recharging battery circuit