μP #1

- Set Defaults
- Display Welcome Screen

Wait for serial input

Serial Input?

NO

Waited for 10ms?

NO

YES

Output data to servo

- Store serial input
  - Prepare data for output to servo

μP #2

Wait for user input:
- Speed
- Frequency

User Input?

NO

YES

Calculate PWM
- Send PWM to DC motors

1/
Frequency?

YES

Reverse loading servo motion

NO

User Input Change?

NO

YES