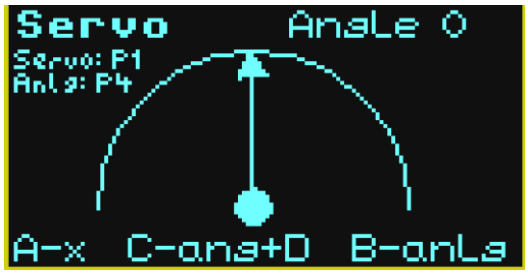
Servo App

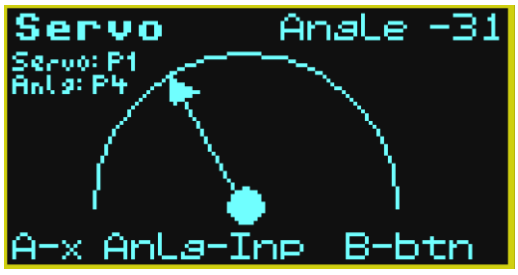
This app demonstrates servo control using a Kookaberry and a lightweight micro servo. Two modes of operation are provided – one an incremental change of angle by using the buttons; and the other by continuously varying the angle via the potentiometer peripheral.

Setup

- Press a plastic servo arm onto the servo, lining it up with the long axis. This will be the vertical, or zero degree, reference point
- Plug a Micro Servo into P1 on the Kookaberry using a JST PH to Breadboard Jumper (3-pin). This will provide button control.
- Plug a Potentiometer into P4 (this will add analogue control)
- Navigate to the Servo app and press button B to run.

Running the App





What is showing on the two screens (Left one is Home screen)?

1. **Top Row**: Name of app and angle of servo arm
2. **Second and Third Rows**: Pin numbers for Servo and Analogue input (Potentiometer); Readout of angle of servo bar relative to vertical (zero degrees)
3. **Image**: Graphic of angle of servo arm.
    1. Set by buttons C and D when B on bottom row shows “anLg
    2. Set by analogue input (Potentiometer) when Button B is toggled to show “btn”
4. **Bottom Row**: **Button A** is Exit from app; **Buttons C & D** adjust angle in incremental steps; **Button B** toggles between button and analogue modes.