



## Adafruit Bonsai Buckaroo – micro:bit & CLUE Plant Care Helper

PRODUCT ID: 4534

We can't wait for spring to arrive, and we're looking forward to caring for some plants! We designed this little add-on for micro:bit or CLUE boards – bolt it on with 5 screws to get a buzzer/beeper, motor driver, and breakouts for connecting a soil sensor (two alligator clips + nails work just fine). Simple, but effective!

- 8mm Buzzer/Speaker on pin P0 – have your plant kit beep when it wants watering, or have it sing a song when its nice and happy.
- 3V Motor control (on/off) on pin P2 – connect to a water pump to automatically water dry plants
- Alligator clip pads for pin P1, 3V and GND – connect to two alligator clips and nails to measure soil resistance

Works with micro:bit in Arduino, micropython or MakeCode. For CLUE, you can use CircuitPython or Arduino.

Please note this product does not come with a pump, tubing, alligator clips, nails, CLUE or micro:bit! It's *just* the control board that attaches to the micro:bit or CLUE!

You'll want to also pick up separately:

- micro:bit Go Bundle *or* Adafruit CLUE
- Horizontal style *or* vertical style 3V water pump
- Vinyl tubing – 8mm diameter (also available in any hardware store)
- Two alligator clips in any color
- Two stainless steel nails (available in any hardware store)

## TECHNICAL DETAILS

Product Dimensions: 52.0mm x 26.0mm x 6.4mm / 2.0" x 1.0" x 0.3"

Product Weight: 8.0g / 0.3oz



<https://www.adafruit.com/product/4534/3-23-20>