



Air Giants Limited Manual for brain\_on\_a\_board

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# Brain On a Board (BOB)

BOB is a test rig comprised of the components of an [Unfurl Fern](#). It was built by samw in feb-mar 2023.

## Components

- A mikrotik routerboard 5 port router/access point
- 4x [Unfurl Nodes](#)
- 1x Beaglebone
- A length of LED strip
- 2x espprog usb programmers
  - Can be connected to any of the nodes for flashing/serial debug
  - connected to the beaglebone via a USB hub
- 1x 24v PSU for the nodes and router
- 1x 12v PSU for the LED strip

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