


Install sample applications

WiFi application

Many times it is difficult to set the network because of the lack of hard line ethernet connection. An open sourced application is available at: <https://github.com/OakLabsInc/app-wifi>.



Red
50

Green
128

Blue
32

White
170

Duration (milli-seconds)
500

SEND

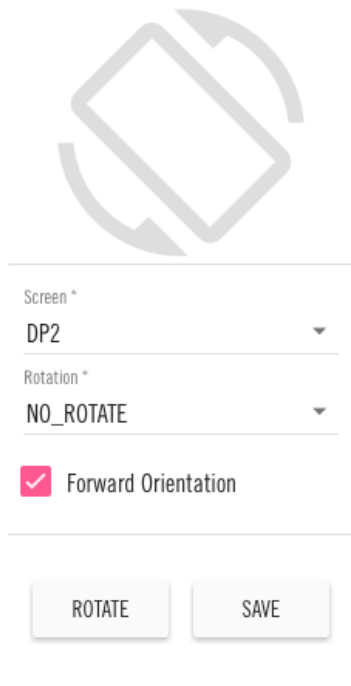
Using the API you can install the following:

```
{
  "services": [
    {
      "image": "index.docker.io/oaklabs/app-wifi:2.0.0",
      "environment": {
        "PLATFORM_HOST": "localhost:443",
        "NODE_ENV": "production"
      }
    }
  ]
}
```

Display and touch rotate application

Another common setup task is rotating both the display and touch. An open sourced application is available at:

<https://github.com/OakLabsInc/app-rotate>.

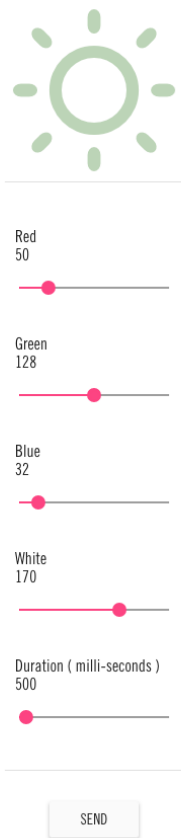


```
{
  "services": [
    {
      "image": "index.docker.io/oaklabs/app-rotate:2.0.0",
      "environment": {
        "PLATFORM_HOST": "localhost:443",
        "NODE_ENV": "production"
      }
    }
  ]
}
```

Oak lighting application

This application will allow the user to adjust the oak-lights controller on a unit. You can set RGB values, white balance and transition duration on any unit running our oak-lights component container <https://github.com/OakLabsInc/component-oak-lights> This application demonstrates how to talk to that container that talks directly to the oak-lights controller at /dev/ttyACM0.

The UI application at <https://github.com/OakLabsInc/app-lights> shows how to send RGB values to the gRPC component to change the lights.



The UI application features a green sun icon at the top. Below it are five sliders for adjusting light settings. Each slider has a label, a current value, and a pink dot indicating the selected value. The settings are: Red (50), Green (128), Blue (32), White (170), and Duration (500 milli-seconds). A 'SEND' button is located at the bottom of the form.

Setting	Value
Red	50
Green	128
Blue	32
White	170
Duration (milli-seconds)	500

SEND

```
{
  "services": [
    {
      "image": "index.docker.io/oaklabs/app-lights:2.0.0",
      "environment": {
        "LIGHTS_HOST": "localhost:9100",
        "PLATFORM_HOST": "localhost:443",
        "NODE_ENV": "production"
      }
    },
    {
      "image": "index.docker.io/oaklabs/component-oak-lights:0.0.3",
      "environment": {
        "PORT": "9100"
      }
    }
  ]
}
```

At this point you are probably ready to start writing your own applications. Take a look at [Writing an application](#) to get started.