

## 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

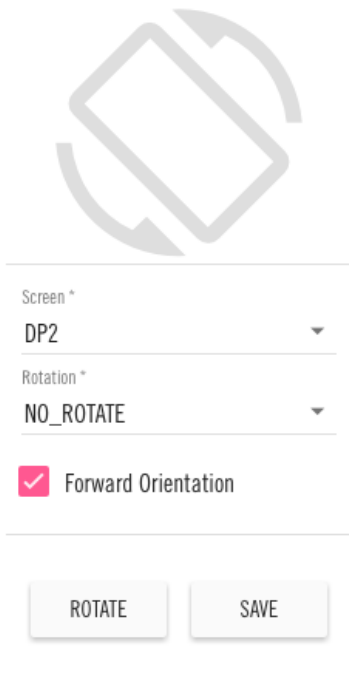
Using the API you can install the following:

```
{
  "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.



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.