

# Instructions for Fairy House Controller

1. Install antenna on cable if an external antenna is used.
2. Test unit by powering on. A blue ON LED should come on.
  - a. On your phone or PC – Search for the wifi access point – Fairy Controller. Connect to this Wifi site with the password you used in the program.
  - b. On your phone open up a browser and type in 192.168.4.1 in the address bar.
  - c. A screen should pop up to control the fairy house.

## Fairy Controller

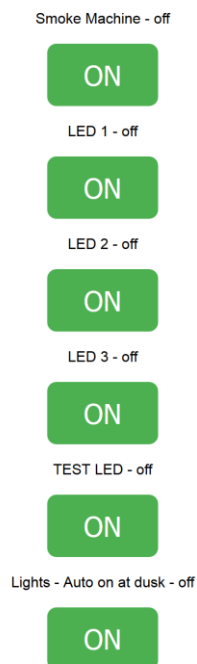


Figure #1 – Fairy Controller Screen

- d. Test the controller by pressing the test button \*(second from bottom). The button should turn grey on the phone screen and the LED on the WiFi controller will light up. It's a blue LED and under one of the labels on the case. Turn it off and on to get a feel for how it reacts. It's got a slight delay of about 1 second before it responds so don't hit it real fast. Go ahead and turn the test LED off.
- e. The screen allows you to turn on the smoke (top button and output1 wires). This output is manually controlled. It does not allow you to turn it on automatically. The smoke button/wire is a dedicated output intended to drive the smoke machine.

- f. LED buttons 1-3 are for outputs 2-4. These are either manually controlled with the button similar to the test button or you can enable auto on at dusk with the bottom button added to any of the LED1, 2, or 3 buttons. See figure 2 for an example of LED#1 being ON with the automatic on at DUSK button. The LED's hooked to output 2-4 will NOT turn ON if it's light out. It needs to be dusk or the controller in a dark area before the outputs will turn on. If you want to test it hook an LED to channel 2 wires and then enable LED#1 and the bottom button for Auto ON. Then place a towel or cover over the controller. The sensor is near the WiFi antenna on the controller board. If the sensor detects a dark environment, and the LED buttons are ON, and the Auto ON button is on then the channel will be energized. See figure 2.

### Fairy Controller

Smoke Machine - off

ON

LED 1 - on

OFF

LED 2 - off

ON

LED 3 - off

ON

TEST LED - off

ON

Lights - Auto on at dusk - on

OFF

Figure #2 – LED1 + Auto ON

- g. Once setup you can close the browser session and leave the controller ON. To access the controller again make sure your connected to it via WiFi first. Remember the address for the controller is always 192.168.4.1 with a password you setup earlier.
3. Hook up wires for lights/smoke. Make sure to use good connections. Solder connections are ideal with heat shrink tubing over the joints. Once setup then turn the controller ON. Do not solder or hook up the connections when the unit is ON.
4. Make sure the AC input is hooked to the AC input wire. If you accidentally hook up the AC to the output 1-4 wires it will blow up the electronics! Be careful!