

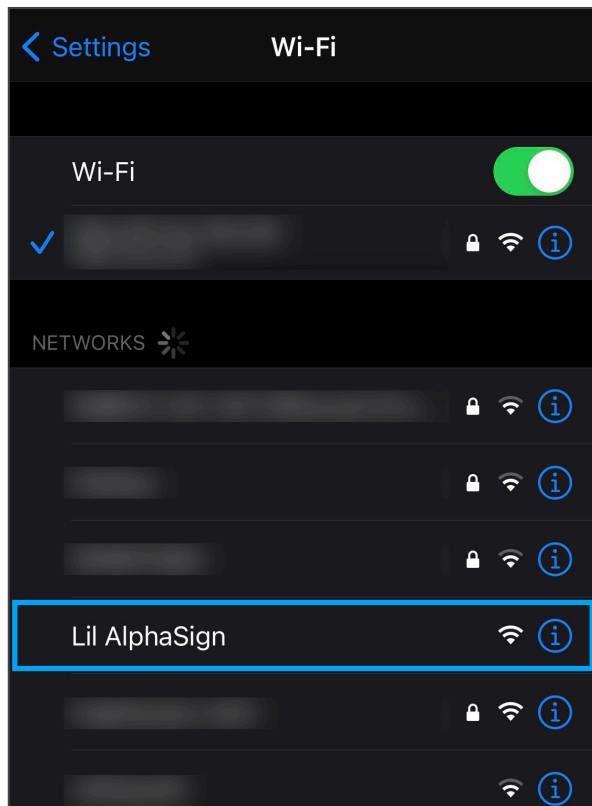
# Lil AlphaSign

## User Manual

### Setting up Wifi

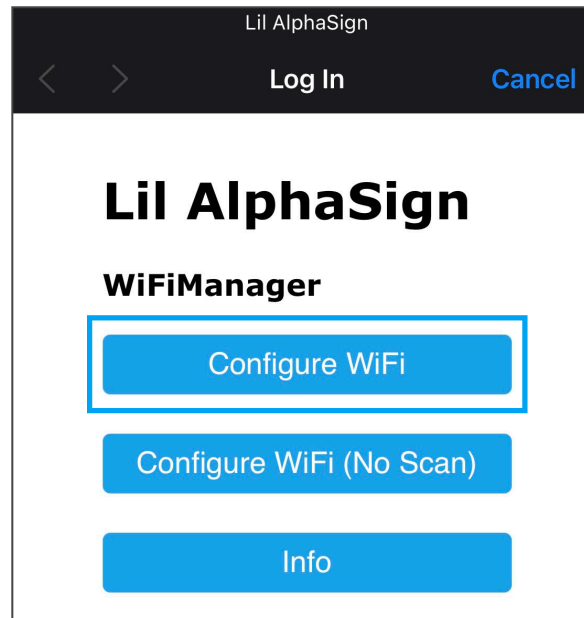
This setup only needs to be done once.

1. Plug the 12V adapter to the mains and to the controller box.
2. Open your phone WiFi settings and look for a new WiFi network named "Lil AlphaSign".

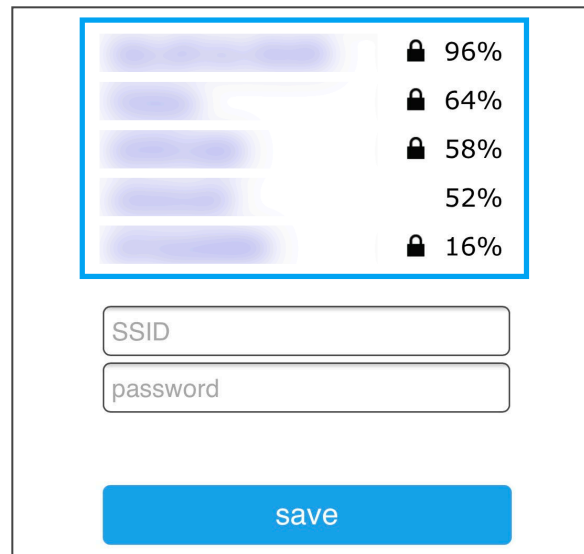


3. Connect to it.

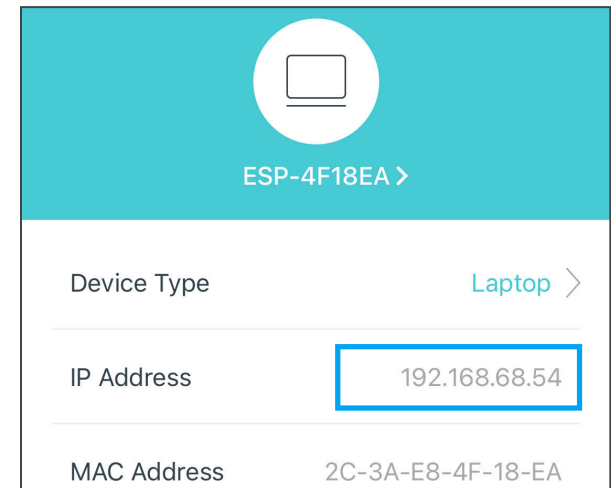
4. A popup will appear. Hit "Configure WiFi". If no portal appears, try navigating to google.com in your web browser.



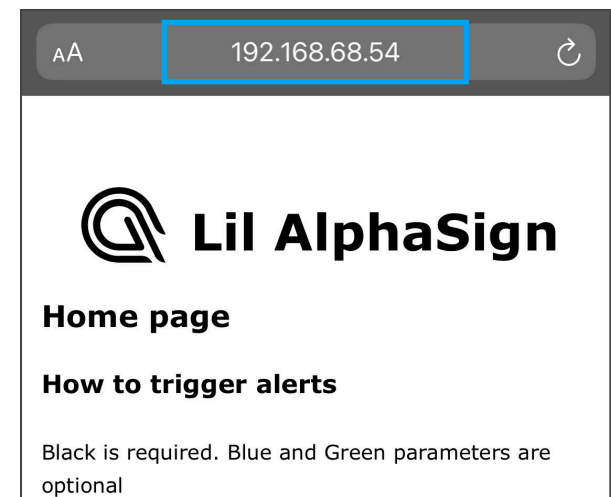
5. The controller will scan for local WiFi networks. Select yours in the list and fill in your WiFi password. Hit "save"



6. The controller will restart and attempt to connect to your WiFi network.
7. Once the LEDs come on, use your router interface to find the sign's IP address (usually in "connected devices"). It will show up as "ESP-4F18EA".



8. Your sign is correctly connected to your WiFi network. You can start using it.
9. Navigate to its IP address using any web browser on the same network.



# Using the sign

Once connected to WiFi, the sign will indefinitely display the default *background* animation.

When triggered, *alert* animations will fade in, execute, then fade back out to the *background*.

## Backgrounds

A default background can be selected from 5 background animations:

1. Rainbow
2. Cycle hues
3. Off
4. Solid color
5. Heartbeat

The selection can be done in the settings page (see settings section) or via HTTP requests as indicated on the homepage of the sign.

### How to change the background

- Rainbow

```
http://192.168.68.54/bg/rainbow&s=100
s: speed [10~500%]
```

- Cycle hues

```
http://192.168.68.54/bg/cycle&s=100
s: speed [10~500%]
```

- Off

```
http://192.168.68.54/bg/off
Alerts will still show
```

- Solid color

```
http://192.168.68.54/bg/color?c=0xffffea
c: color [hex RGB color]
```

- Heartbeat

```
http://192.168.68.54/bg/beat?c=0xffffea&
s=100
c: color [hex RGB color]
s: speed [10~500%]
```

## Alerts

They are short <5s animations that fade in / out. They can be triggered in the settings page or via HTTP requests for integration with your stream!

4 alert animations are provided and can be customized:

1. Sweep
2. Fill
3. Flash
4. “YouTube Intro”

Sweep, Fill and Flash alerts *require* a color parameter every time they are triggered.

This way, the same alert can be used for different events (followers, subs, ...), each with a different color.

### How to trigger alerts

Black is required. Blue and Green parameters are optional

- Sweep

```
http://192.168.68.54/alert/sweep?
c=0xff00ff&s=100
c: color [hex RGB color]
s: speed [10~500%]
```

- Fill

```
http://192.168.68.54/alert/fill?
c=0xff0000&s=100
c: color [hex RGB color]
s: speed [10~500%]
```

- Flash

```
http://192.168.68.54/alert/flash?
c=0xffff00&s=100
c: color [hex RGB color]
s: speed [10~500%]
```

- YouTube Intro

```
http://192.168.68.54/alert/intro?
c=0xffffea&g=false
c: color [hex RGB color]
g: add glitches [true/false]
```

## HTTP requests

This sign has been designed to be easily integrated with custom widgets, Stream Decks and such.

All of its functionalities can be triggered and customized via simple calls to a local URL hosted by the controller (thus the WiFi connection).

Whichever way you use to send the HTTP request, the URL and parameters are described on the homepage of the sign: “How to change the background” and “How to trigger alerts”

```
http://<deviceIP>/
```

### Widgets integration

For custom StreamElements widgets, the easiest way to trigger an alert or a background change is to use the fetch function:

```
fetch('http://<deviceIP>/alert/intro');
```

Or

```
fetch('http://<deviceIP>/bg/color?c=0xff0000');
```

### Stream Deck integration *untested*

Stream Deck integration to the Stream Deck has not been tested.

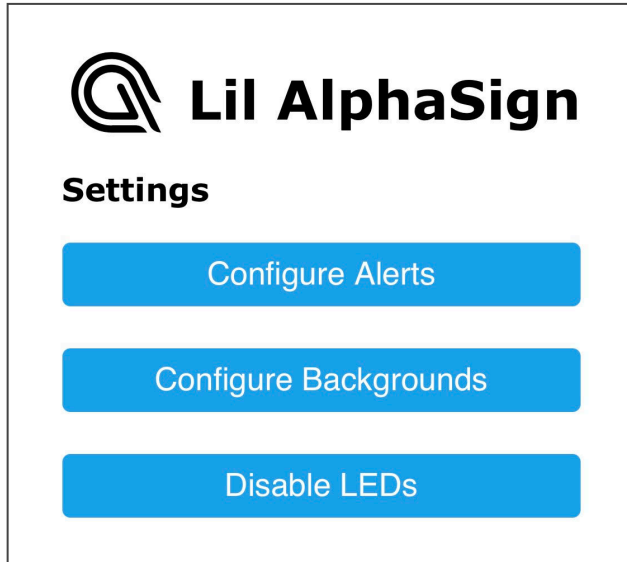
1. “System Action - Website” should work out of the box but opens a web browser window every time.
2. Stream Deck plugins supporting HTTP requests or “webhooks”. *I am looking for a reliable one, but would not be able to test without Stream Deck. Let me know if you want to set it up. I'll help!*

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# Settings

The settings page can be accessed via any web browser at the address:

`http://<deviceIP>/settings`



## Configure Alerts

Each alert is listed with its specific setting(s) and a “Try it!” button.

Sweep, Fill and Flash alerts don’t have a color setting as they require that parameter each time they are triggered

Once you are happy with the settings, click the “Save” button to save the settings.

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## Configure Backgrounds

The default background (the one to be displayed) can be selected at the top.

You’ll then find the specific settings for each background as well as a “Try it!” button.

Once you are happy with the settings, click the “Save” button to save the settings.

## Enable/Disable LEDs

This button allows you to turn the LEDs off until you re-enable them. Backgrounds and alerts will not be displayed.

If you want to see the alerts, but turn off the background, you can select the “Off” background as default in the “Configure Backgrounds” page.

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# More help?

Need more help to setup or use it? More features?

Shoot me an email or find me on Twitter:

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@sQweegle