

Homemation Aircoookie WLED Driver



This driver integrates with the popular WLED project for control of addressable LED strips. A fast and feature-rich implementation of an ESP8266/ESP32 webserver to control NeoPixel (WS2812B, WS2811, SK6812) LEDs or also SPI based chipsets like the WS2801 and APA102.

The driver has been written to use the new Control4 OS 3.3.0 colour wheel implementation.

WLED Features:

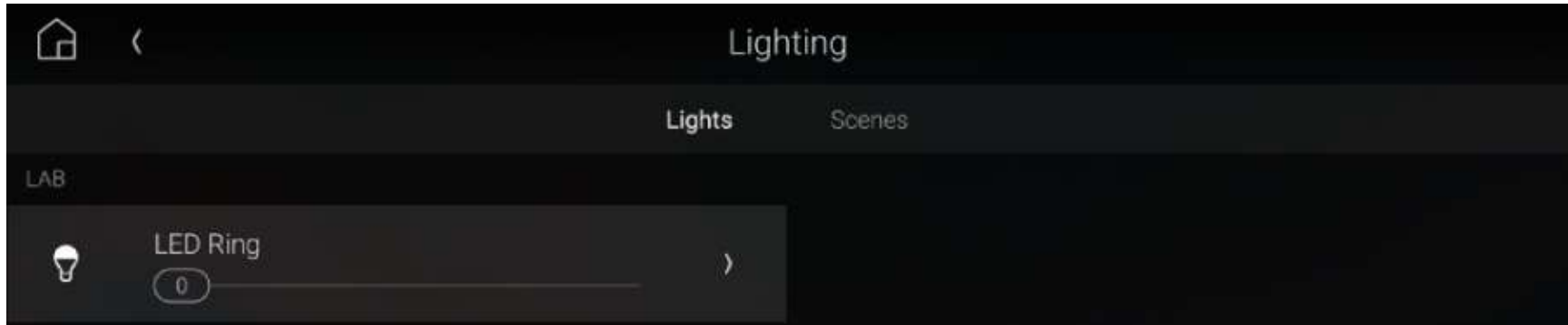
- WS2812FX library integrated for over 100 special effects
- FastLED noise effects and 50 palettes
- Modern UI with colour, effect and segment controls
- Settings page - configuration over network
- Access Point and station mode - automatic failsafe AP
- Support for RGBW strips
- Up to 250 user presets to save and load colours/effects easily, supports cycling through them.
- Full OTA software updatability (HTTP + ArduinoOTA), password protectable
- and many more

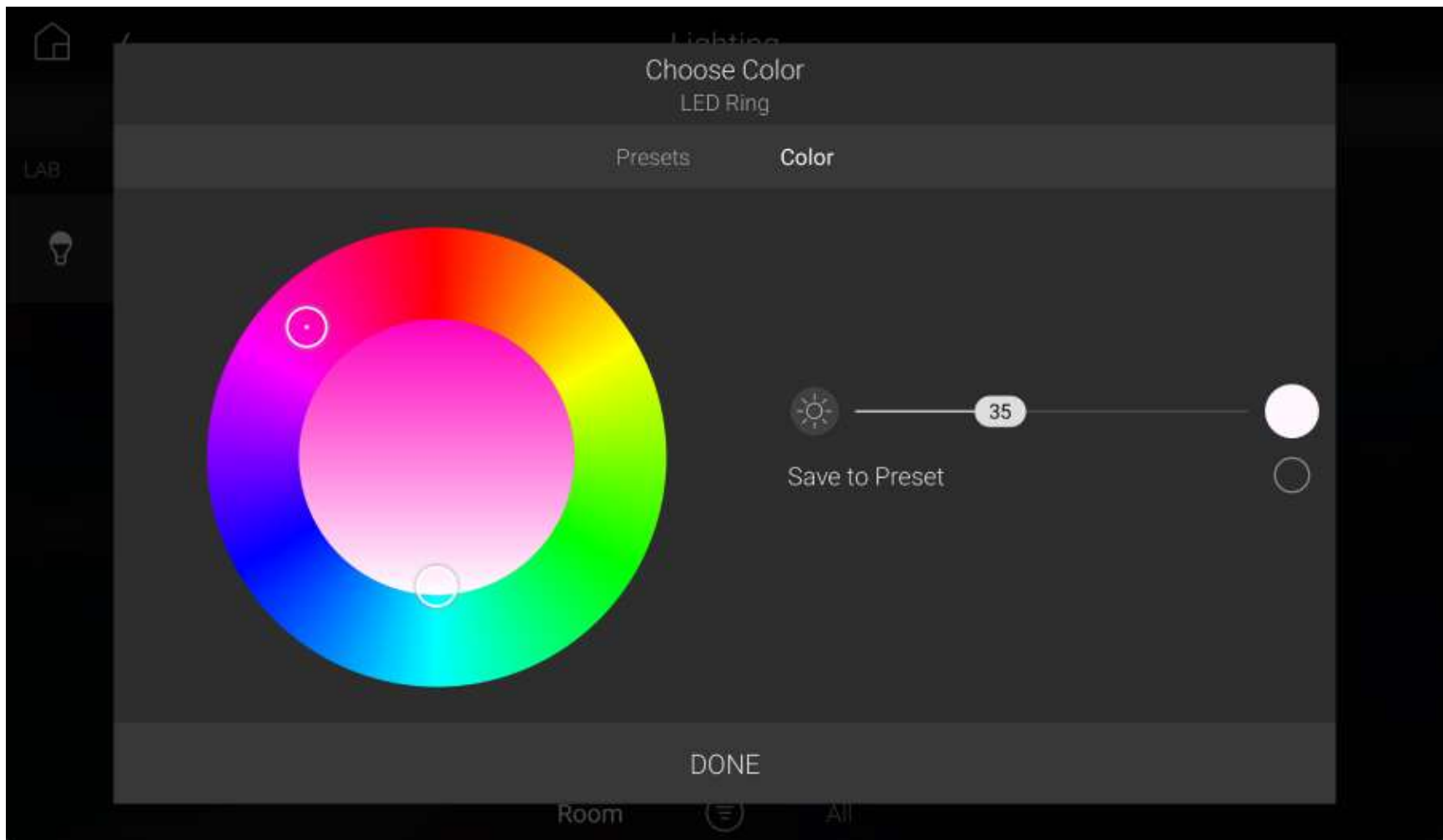
This is only an integration driver. There are many ways to get the WLED project up and running, I cannot help here. There are some really good guides on YouTube and the WLED Homepage: <https://kno.wled.ge/>

I have decided to use the JSON API over HTTP rather than Websocket as I was getting some strange disconnections and could not reconnect. The although the HTTP API will need to be polled on occasion it was a lot more reliable at the time of writing this.

Driver Features

- Control the brightness, color from the new color wheel in Control4 OS 3.3.0





- Set the WLED color palette, effect & effect controls via the Extra's menu



Lighting

Lights

Scenes

LAB



LED Ring



Options



Choose Color

Favorite to Room

Lighting Extras



Room



All



Extras

Palette

* Color Gradient >

Effect

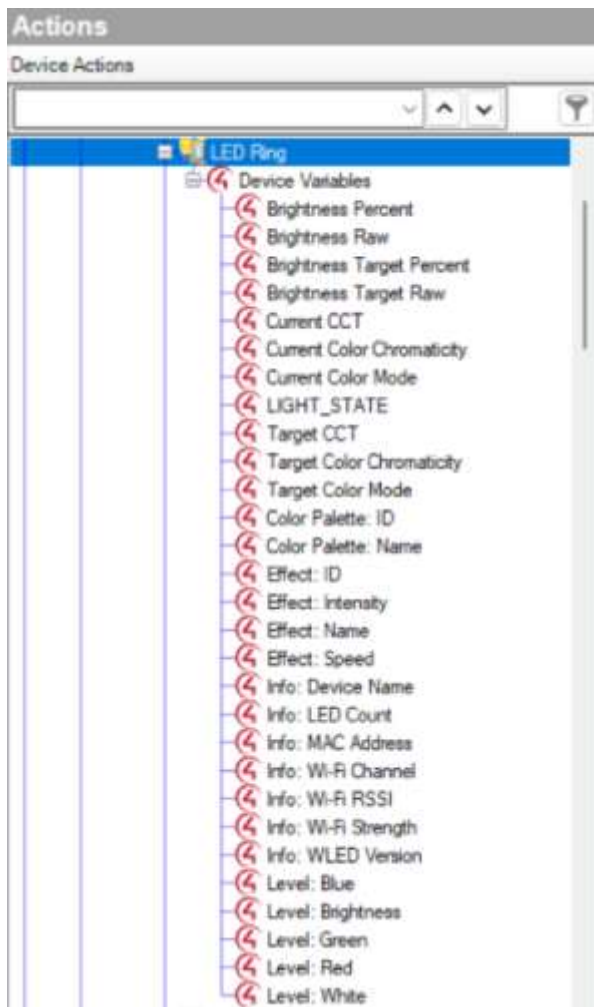
Random Colors >

Effect Speed

85

Effect Intensity

174

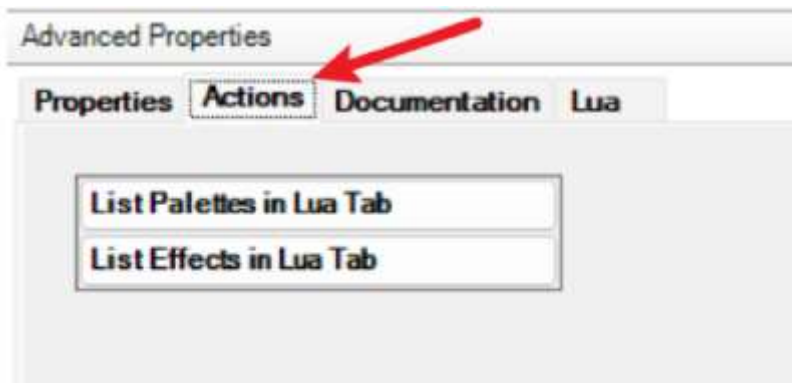


- Set the WLED color palette, effect & effect controls via programming
 - From the Device Variables you can set:
 - Light State
 - Color Palette ID
 - Color Palette Name
 - This needs to match the name exactly (you can get a list from System Design - Action, see Actions below)
 - Effect: ID
 - Effect: Intensity (0-255)
 - Effect: Name

- This needs to match the name exactly (you can get a list from System Design - Action, see Actions below)
- Effect: Speed (0-255)
- Level: Blue (0-255)
- Level: Brightness (0-100)
- Level: Green (0-255)
- Level: Red (0-255)
- Level: White (0-255)

Driver Actions

- List Effects in Lua Tab
 - This will list all the Effect ID's & names in the Lua Tab
- List Palettes in Lua Tab
 - This will list all the Palette ID's & names in the Lua Tab



Driver Notes

- This driver will only work properly with 1 "segment" (default segment)
- This driver adjusts the master brightness of WLED (not "segments")
- This driver controls the master power setting of WLED (not "segments")
- This driver only sends color change commands to "Segment 0" (default segment)

Changelog:

Version 2

- Fixed a problem with the ON, OFF, TOGGLE commands

- Added the Default On Brightness feature

Version 1

- Initial release for Control4 OS 3.3.0