



FPP Show Scheduler

Tony Keith – “The Christmas Light Guy”

Quick Introduction

Tony Keith

- 🎅 "The Christmas Light Guy" – How to Tutorials – YouTube
- 🎅 I Live in Union, KY (20 Miles Cincinnati) – Crazy Midwest Weather
- 🎅 Background: Electrical Engineer, Software, IT Security Consultant
- 🎅 I Have Been in the Holiday Lighting Hobby for 6 Years
- 🎅 ESPixelStick Firmware Tester (Martin Mueller)
- 🎅 My Display is all LED with 20K Pixels – Wired and Wireless
- 🎅 Controllers: Falcon, Kulp, QuinLED, RGB2Go and ESPixelStick

My Display 2024



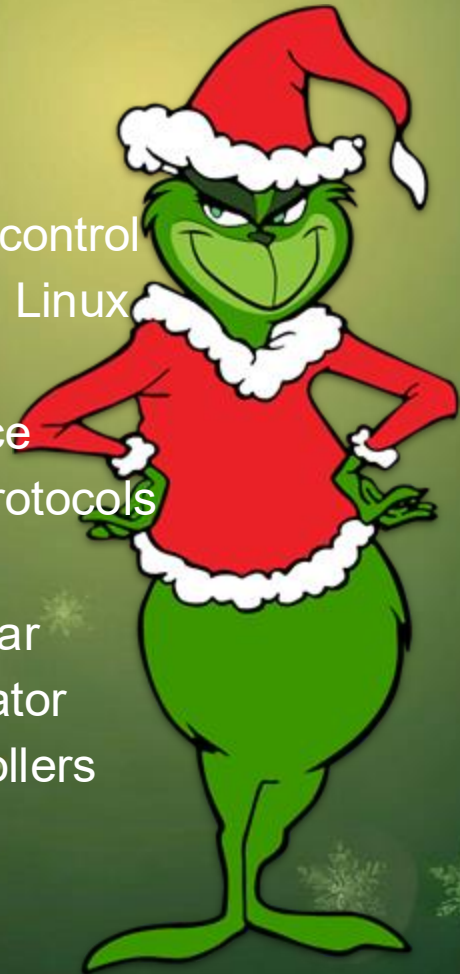
The Christmas Light Guy

Class Overview

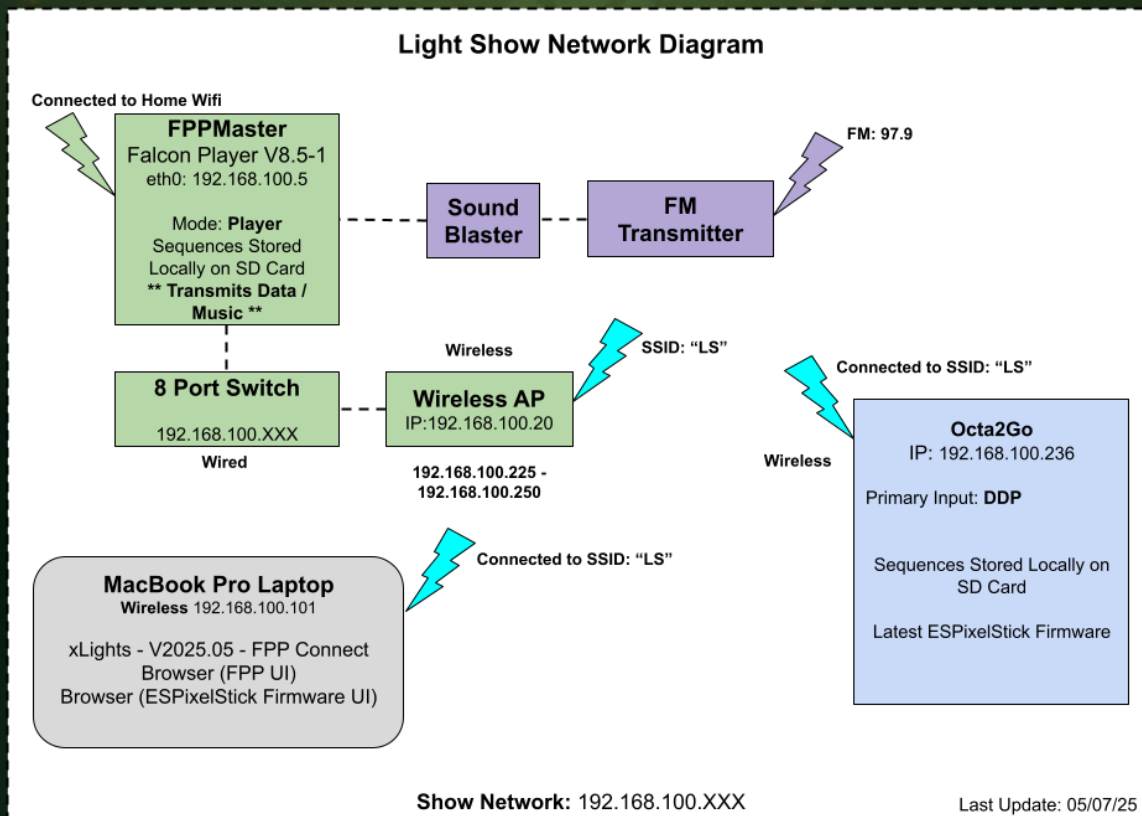
- 🎅 What FPP?
- 🎅 Network Diagram Overview
- 🎅 Controller Hardware
- 🎅 xLights – Layout, Config & Sequences
- 🎅 FPP Show Setup
- 🎅 FPP Scheduler
- 🎅 FPP Display Testing / Diagnostics
- 🎅 Working Demo
- 🎅 Summary
- 🎅 Q/A

What is FPP?

- 🎅 Open-source software for show sequencing/control
- 🎅 Multi-platform support – Pi, BeagleBone and Linux
- 🎅 Synchronized Lights to Music
- 🎅 Media playback - Audio, Video and Sequence
- 🎅 Device Control – E1.31, DMX, LOR, Pixel Protocols
- 🎅 Network – Master/Remote, Multi-sync
- 🎅 **Scheduling** - Show Scheduling with Calendar
- 🎅 Plugin System, Input Triggers, Effect Generator
- 🎅 **Diagnostics** – Test Pixel Strings and Controllers



Network Diagram Overview



Controller Hardware



RGB2GO - Octa2go



- 8 Output Ports (ESP32)



- Running Latest ESPixelStick Firmware



Date: 04/23/25



- Optional SD Card Module + SD Card



- Wireless



- Supports Using DDP and FPP Multi-Sync



- Can Run Sequences Locally



xLights Software

- 🎅 xLights
- 🎅 Latest Version (MacOS): 2025-05
- 🎅 2 Small Mini Trees w Stars
- 🎅 2 Large Mini Trees w Stars
- 🎅 Setup / Config Controller
- 🎅 View Demo Sequences
- 🎅 Test Controller and Props Using xLights











FPP Show Setup

- 🎅 Basic Show Setup
- 🎅 Network Connections
- 🎅 Time Setup
- 🎅 Audio Setup
- 🎅 Use xLights to Setup Outputs
- 🎅 Upload Sequences / Audio Files
- 🎅 Play Sequences Manually
- 🎅 Create Playlist



FPP Scheduler

-  Overview
-  Start Date / End Date
-  Days Selection
-  Start Time / End Time
-  Stop Type
-  Repeat Selection
-  Schedule a Playlist – Weekdays
-  Schedule a Playlist - Weekends



Working Demo

- 🎅 Let's See Everything Action
- 🎅 Controller Firmware UI
- 🎅 xLights
- 🎅 FPP Show Setup
- 🎅 FPP Scheduler – 2 Schedules
- 🎅 FPP Display Testing / Diagnostics
- 🎅 Live Working Demo (Hopefully 😊)



Summary

- 🎅 FPP – Falcon Player – Drive Your Entire Show
- 🎅 Easy Setup Using xLights
- 🎅 Upload Sequences and Audio using FPP Connect
- 🎅 Plays Media Directly or Using Playlists
- 🎅 Flexible Scheduling using Calendar Functionality
- 🎅 Diagnostics – Test All, Test by Models, Sequences
- 🎅 If You Aren't Using FPP as Your Show Player...Why Not?

Questions / Answers

Any questions?



Contact Me



Email: Tony.Keith@yahoo.com



** Discord: "TheChristmasLightGuy"

** Preferred method **

References

Remember: If you use xLights / FPP, please consider supporting the developers by using the donation button. It is easy to do a one-time donation or setup a monthly recurring donation.

xLights – Donate Here: <https://xlights.org/>

FPP – Donate Here: <https://falconchristmas.com/forum/>

Octa2Go – <https://rgb2go.com/products/octa2go-8-port-wi-fi-pixel-controller>

ESPixelStick Firmware – <https://github.com/forkineye/ESPixelStick>



THANK YOU

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