So you want a light display?

Indiana Christmas Mini 2025

So Who is this Guy ANYWAY?

Jason Somers

<u>Server Architect/</u> Network Administator	Red Barn Technology Group, Binghamton, NY 1998 – Present <u>http://thinkredbarn.com</u>	RBTG RED BARN TECHNOLOGY GROUP
<u>Mayor</u>	Village of Whitney Point, NY 2021 – Present <u>http://whitneypoint.org</u>	
<u>Owner, Proprietor</u>	RGB2GO 2021 - Present <u>http://rgb2go.com</u>	RGB 2 GO
Holiday Light Enthusiast	Dorchester Lights, Whitney Point, NY 2020 - Present <u>http://dorchesterlights.com</u>	





What are the biggest challenges facing beginners?



Challenges

- Sufficient Electrical knowledge
- Computer / Networking Skill
- Sequencing
- Mounting Props / Carpentry
- Gatekeeping
- Budget Concerns
- What hardware/software should I use?

Overcoming these Obstacles



Breaking through

- Identify your strengths
- Identify your needs be honest with yourself
- Start small don't overcomplicate things
- Learn from your mistakes
- Learn from OTHERS' mistakes
- Know where to look for help!

RGB2GO

Mattos Designs Pixel Pro Displays / Showstopper Sequences Midwest Coro / Gilbert Engineering xLights Zoom Room YouTube / Facebook

Choosing the correct HARDWARE

Advanced Controllers

Falcon, Kulp Lights, Genius

O

- Very Powerful / Substantial learning Curve
- Can control over 1000 pixels per port
- Expensive!!! Ready to run > \$500



Entry Level Controllers

WLED or ESPixelStick-based

- Intuitive Software / Easy to use
- Keep it under 512 pixels/port
- Natively Wifi with Ethernet option
- Affordable! Ready to run ~\$100







Duo2Go

- Our First Controller 5V, 12V and 24V support
- Originally used an ESP8266, now an ESP32
- 2 pixel ports @ 5A max of 512 per port
- Small footprint
- Rugged Through-hole design
- Reversed Polarity Protection
- Easy to repair just ask Clyde!!!
- Wifi Only best for small show elements



Tetra2Go

- 5V, 12V and 24V support
- ESP32-based
- 4 pixel ports @ 5A max of 512 per port
- Rugged Through-hole design
- Reversed Polarity Protection
- Expansion Header
 Supports Audio-Reactive, OLED, Ethernet,
 Differential, 4-Button, IR, and SD card Modules



Octa2Go

- 5V, 12V and 24V support / Multiple Voltages
- ESP32-based
- 8 pixel ports @ 5A max of 512 per port
- Rugged Through-hole design
- Reversed Polarity Protection
- Expansion Header
 Supports Audio-Reactive, OLED, Ethernet,
 4-Button, IR, and SD card Modules



Solo2Go



- 5V, 12V and 24V support ESP32-based
- 1 pixel ports @ 5A max of 512 pixels (not a hard limit – can exceed with loss of framerate)
- Small Form Factor-Perfect for interior use.
 Especially under-cabinet lighting
- Expansion Header
 Supports Audio-Reactive, OLED, Ethernet,
 Differential, 4-Button, IR, and SD card Modules

WLED







Wrapping up... When you're a pro someday (Can you smell lunch yet?)

- Pay it forward Help others
- Become a vendor
- Attend minis start your own in your hometown
- Share your ideas
- Join online support communities
- Give positive reinforcement/criticism Avoid Gatekeeping
- Remember that we were all there once.

Thank you! Have fun!