

Aura RGB LED Strip

Operator's Manual

International edition, Rev 0.1 - Dec 2016

Specifications

Power	
Direct LiPo Connection	2s - 4s LiPo
Current Consumption	100mA @ 10V (100mW worst case)
LEDs	
Type	3x 24-bit RGB
User Interface	
Control	Single button color and blink change
Non-Volatile Settings	Settings saved 10 seconds after last change
Modes	
Solid	Solid color, RGBYMCW
Pulse	Single color, smooth ramp off -> on -> off
Blink (fast)	Single color, flash off -> on, approx 4Hz
Blink (slow)	Single color, flash off -> on, approx 1Hz
Blink 2 colors (fast)	Various options, RG-RB-RY-RM-RC-RW-GB-GY-GM-GC-GW-BY-BM-BC-BW-YM-YC-YW-MC-MW-CW
Blink 2 colors (slow)	Various options, RG-RB-RY-RM-RC-RW-GB-GY-GM-GC-GW-BY-BM-BC-BW-YM-YC-YW-MC-MW-CW
Blink colors	Cycle between RGBYMCW
Pulse all colors	Slow transition between all colors

Introduction

The ImmersionRC Aura line of LED strips are designed to be simple to attach to a racing quad to meet LED rules required by several racing leagues.

No external controller or regulators are needed. The LED strips include a tiny switching regulator which can run from 2s-4s (HV). This greatly simplifies wiring, especially when placed near ESCs which already have their own direct battery connection.

The only thing that limits the number that can be installed on the quad is your patience, and imagination.

User Interface

Changing colors and modes is accomplished via a single button user-interface.

A short press on the button changes color, and a longer press (3s) changes between modes.

After changing settings please wait 10 seconds before powering down for the changes to be saved.

