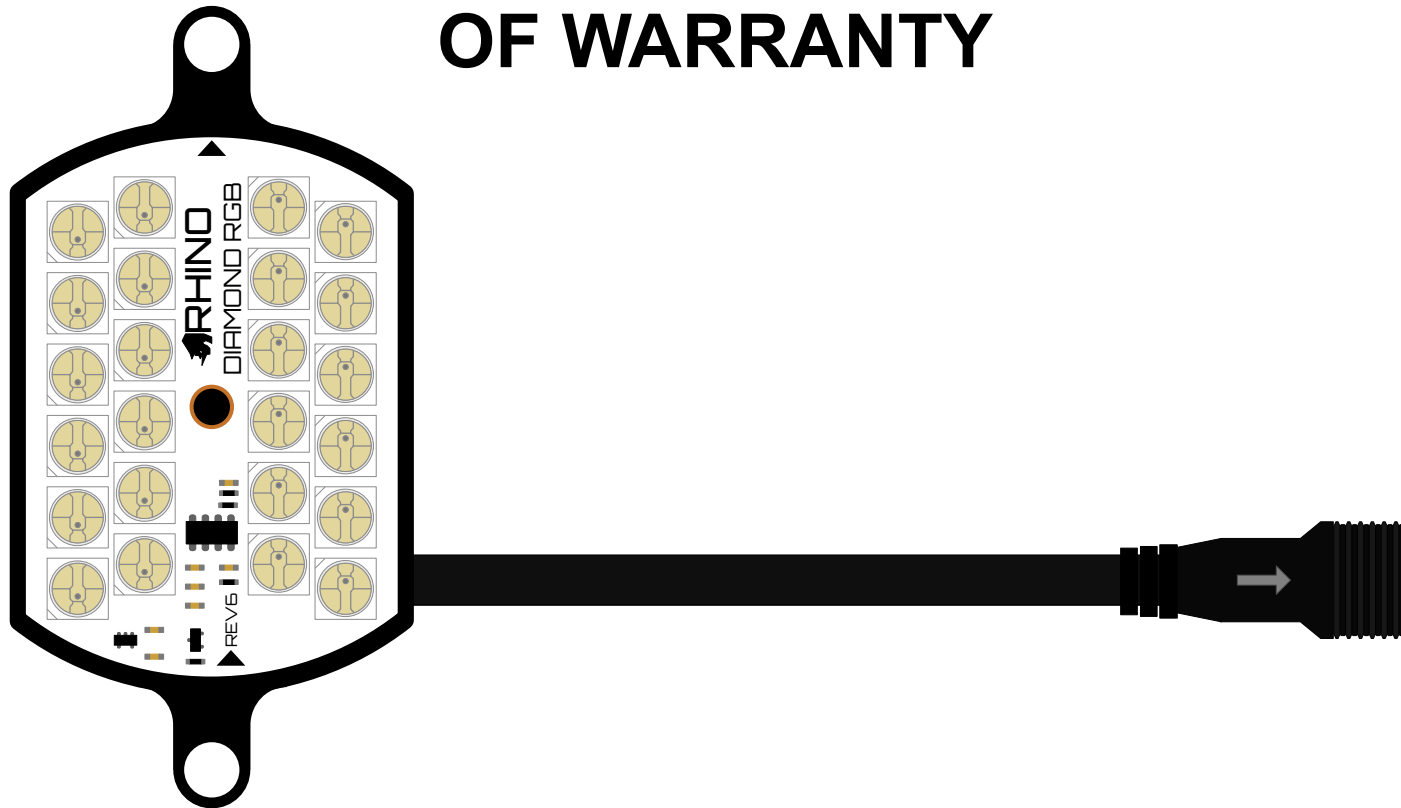


# RGB Rock Light Installation Guide

**!!! READ BEFORE INSTALLATION !!!**

**FAILURE TO FOLLOW THE INSTRUCTIONS CAN  
RESULT IN DAMAGE TO THE PRODUCT AND VOIDING  
OF WARRANTY**



Read all instructions before installing the product.

For detailed instructions and videos, visit:  
<https://rhinoledlights.com/pages/help/install>



# !! CAUTION !!

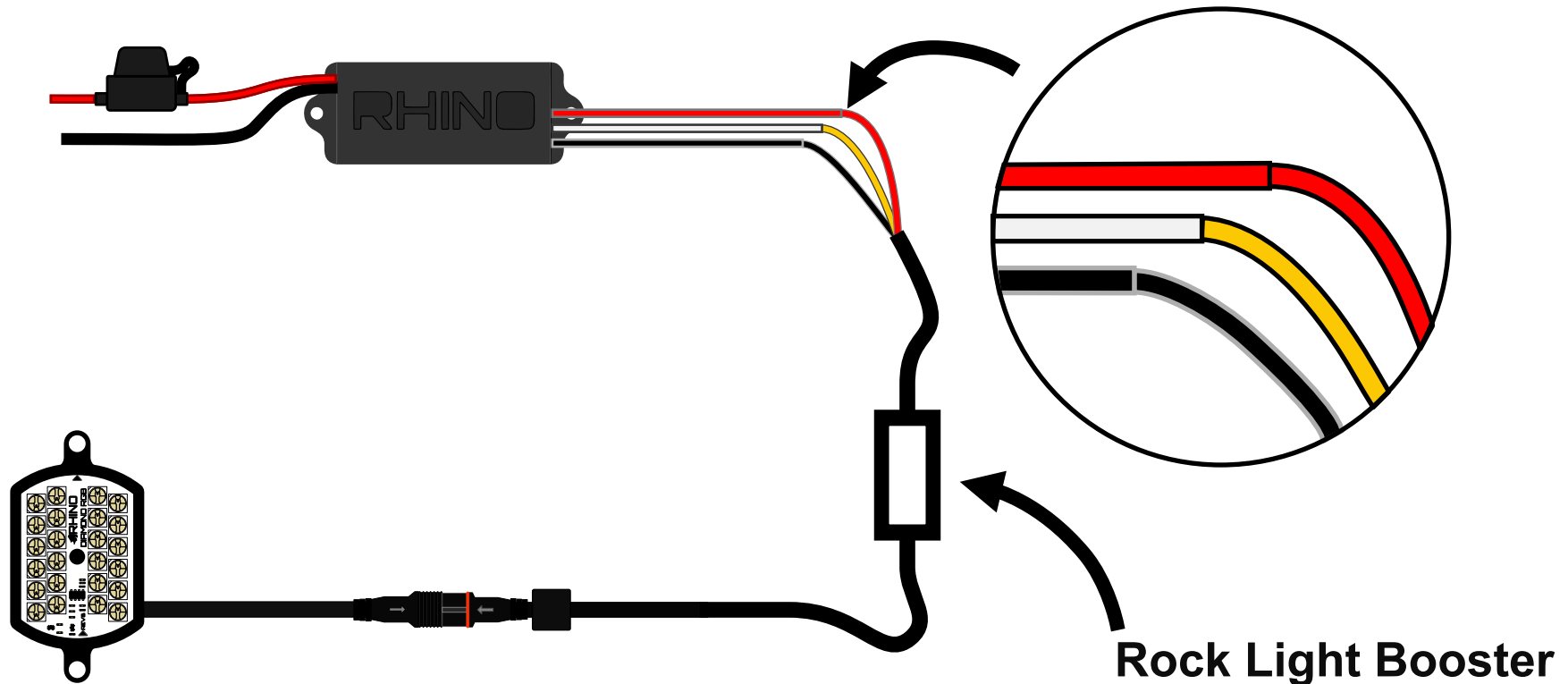
AXION RGB+W rock lights, when run on the highest brightness settings, can become HOT during prolonged use.

Mount the lights onto solid **METAL SURFACES ONLY**.



For easy installation, ultra-strong magnetic mounts are available for purchase at:





## Wiring Guide:

Diamond series RGB rock lights must be connected to a Rock Light Booster that is wired directly to the bluetooth controller.

When wiring the rock light booster directly to the bluetooth controller, make sure to connect the correct wires together:

Controller **BLACK** wire (GND) → Booster **BLACK** wire

Controller **RED** (12V) → Booster **RED** wire

Controller **WHITE** (DATA) → Booster **YELLOW** wire

The Maximum # of connected rock lights per booster is  
16

**!! Only connect rock lights to the booster !!**

**!! Always use secure, waterproof connections for all wires !!**



## BLUETOOTH CONTROLLER

Our bluetooth controller works with all of our RGB or RGB+W products.  
(note: RGB and RGB+W lights **cannot** be used together on the same controller).

You only need **1** bluetooth controller to run multiple lights in one setup, for example:

RGB rock lights, halos, and whips.

To control lights separately (color, pattern, etc.) another controller is required or inquire about our CONNEX PRO addon board

Driver settings are:

**RGB+W: RGB TM1814**

**RGB: GRB WS8211**

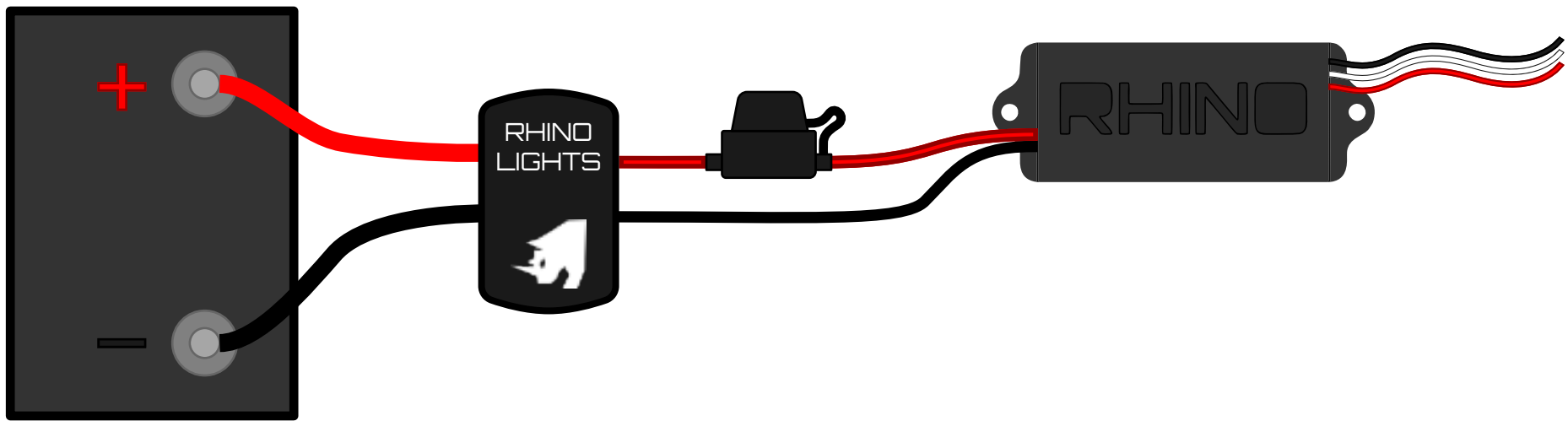
To download the LEDChord app, scan the following QR codes:

**Android**



**iOS**





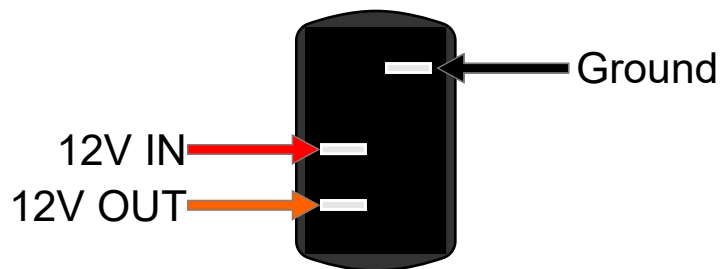
For turning a controller on and off, use a single pole, single throw switch (SPST).

### Basic wiring instructions:

Connect a ground wire between the black wire from the controller to the switch ground pin then to the negative lead of your battery or power supply.

Connect the red fuse wire from the controller to the outgoing power (12V OUT) on the switch. Run a wire from the incoming power (12V IN) on the switch to the positive lead of your battery or power supply.

### ON/OFF Switch Pinout Diagram



### Note:

**Switch pinouts may differ between different brands and manufacturers, follow manufacturers' instructions for your specific switches when wiring and connecting them.**

# **PLEASE NOTE:**

**RGB, RGB+W, rock lights/whips/halos, and Diamond Duo rock lights cannot be controlled together in one setup.**

**Do not install wires in places they can become pinched or be stepped on.**

**When adding in wire for any reason, be sure to use the appropriate gauge for the load that it will carry.**

**Check the condition of all rock lights, wires, solder joints, and connections periodically for any damage. Damaged wires can lead to electrical shorts and arcing.**

**For safety, solder all ground wires and connections first, before working with any voltage-bearing wires. Be sure to keep any open wires away from each other when power is connected. If not using any wires with raw ends, it is highly recommended that you cap the ends of the wires to prevent any accidental risk of shorting the wires.**