

RGB Horizontal Whip 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:

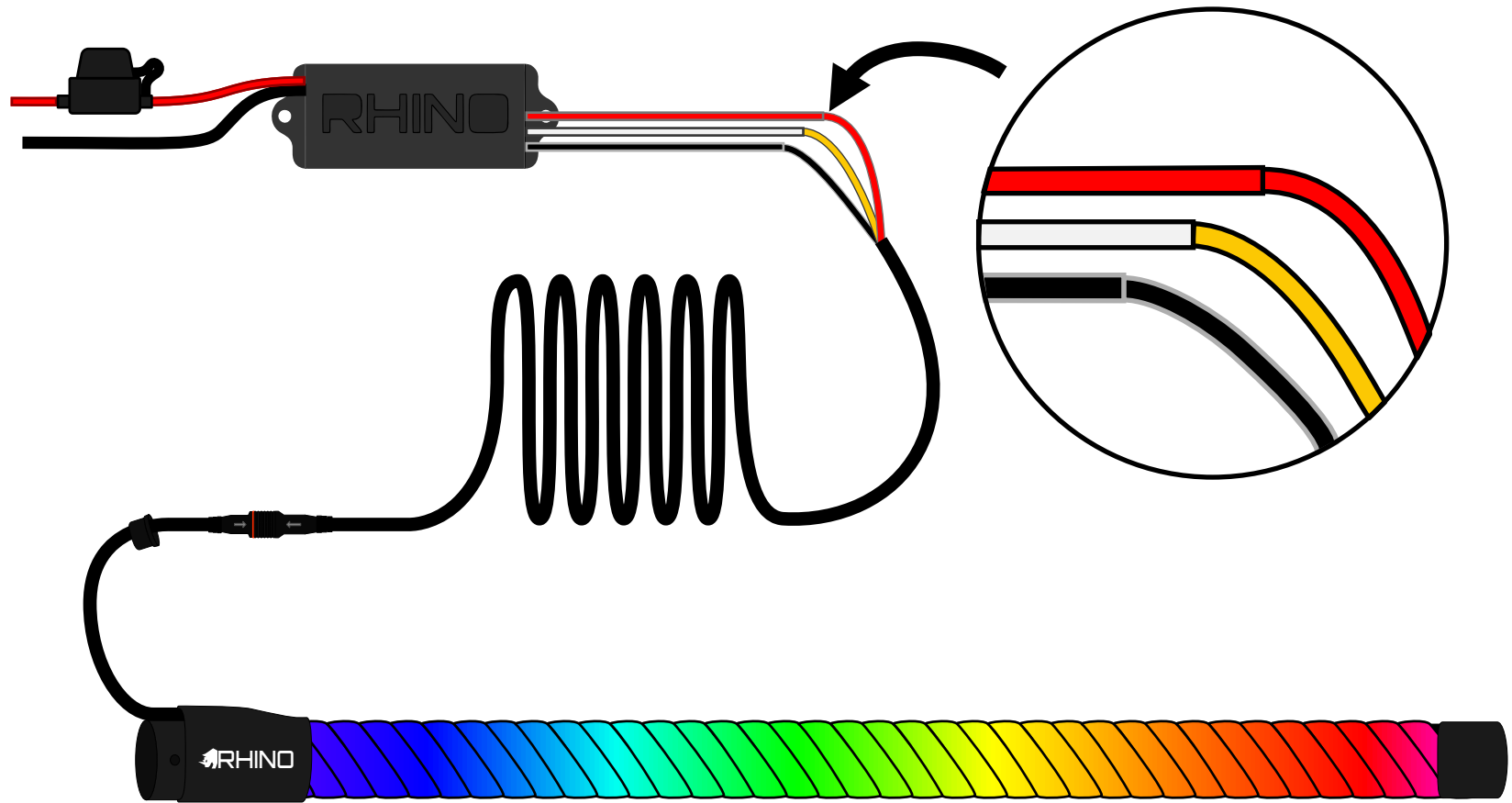


<https://rhinoledlights.com/pages/help/install>

Whip Installation Guidelines:

- ▶ Give enough slack for the pigtail to flex on the spring to avoid ◀
 - ▶ stretching the pigtail to the breaking point. ◀
- ▶ Keep the whips safe from flexing into a cage or any hard objects to ◀
 - ▶ preserve the longevity of the whips. ◀
- ▶ Cut the pigtail wire from whips to length before you connect to the ◀
 - ▶ controller for best performance. ◀
- ▶ If attaching flags to your whips, use plastic zip ties to secure them ◀
 - ▶ and avoid overtightening them. ◀
- ▶ Make sure the clevis pin that secures your whip to the spring/base ◀
 - ▶ is always secured. ◀
- ▶ Whips are to be mounted onto springs to be covered under ◀
- ▶ warranty. Springs are provided with the purchase of whips, unless ◀
 - ▶ stated otherwise. ◀

Do NOT extend the whip wire over the 10 ft bundle supplied with the purchase of whips; doing so can reduce the data signal and cause flickering.



Wiring Guide:

When wiring whips directly to the bluetooth controller, make sure to connect the correct wires together:

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

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

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

! 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

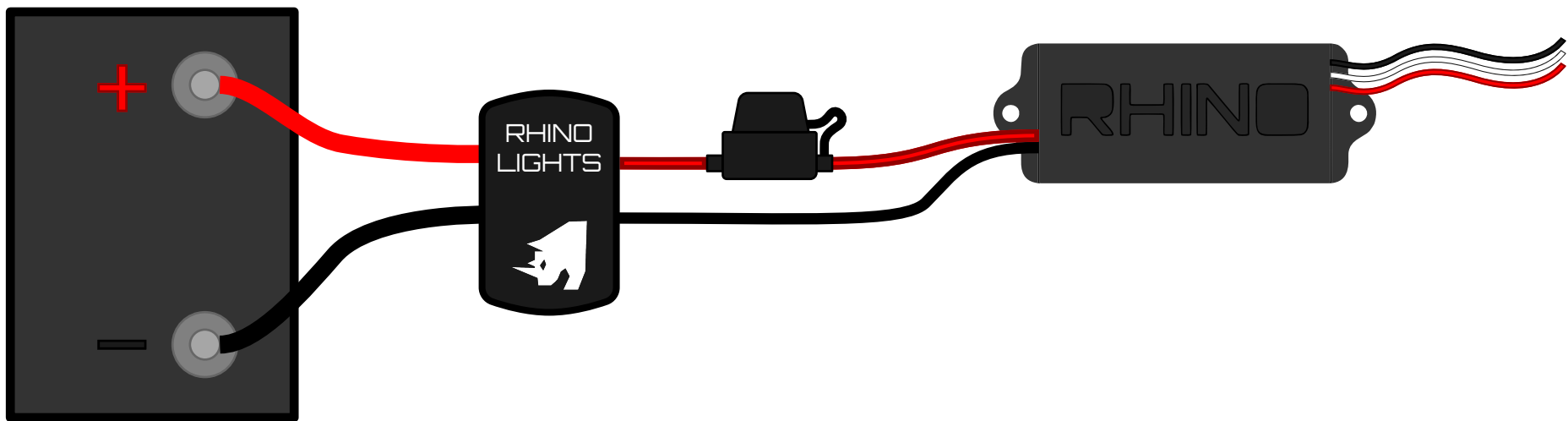
To download the LEDChord app, scan the following QR codes:

Android



iOS





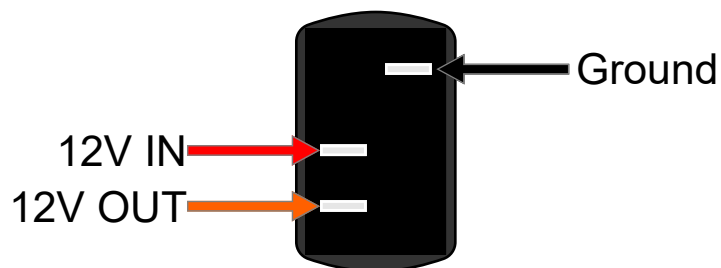
For turning a controller on and off, use a single pole, single throw switch (SPST).

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.