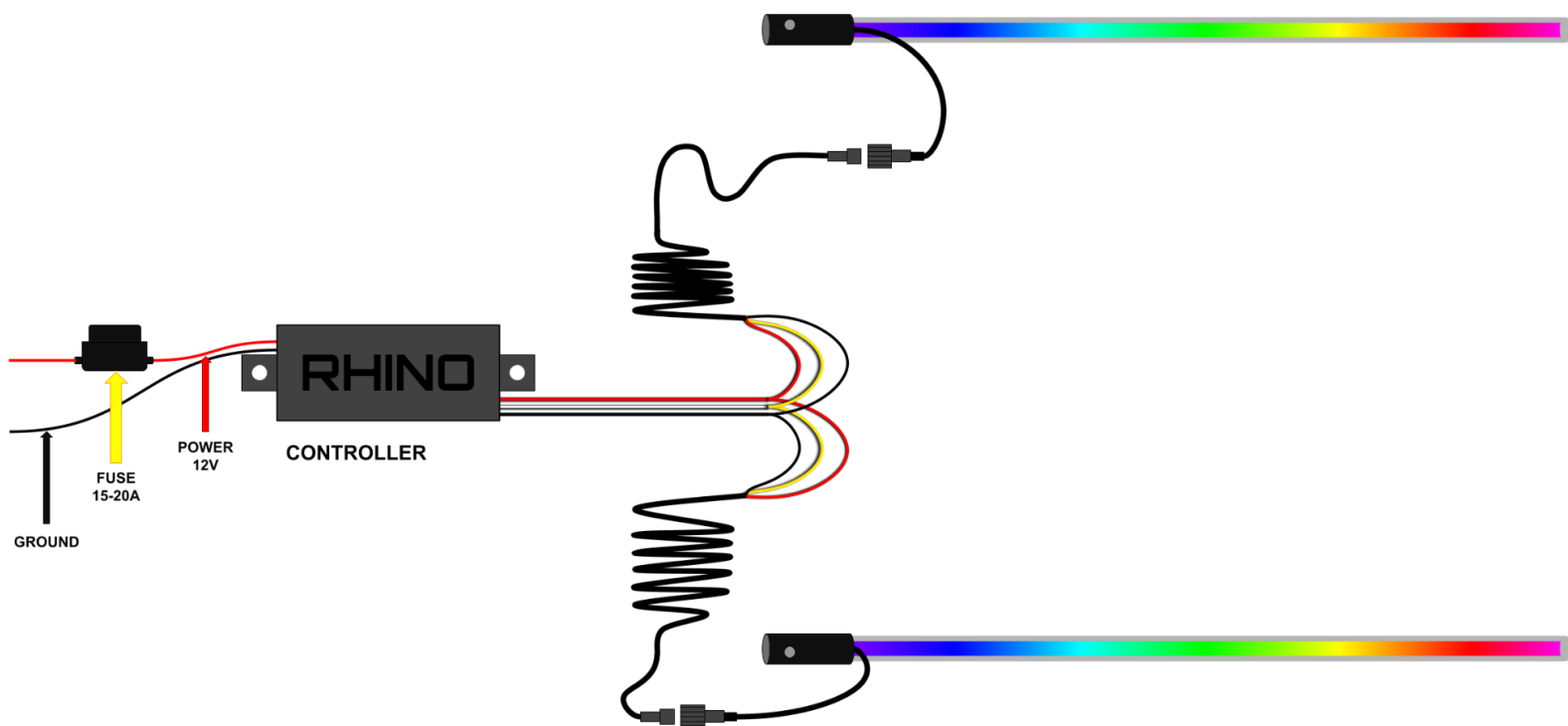


RGB WHIP LIGHT WIRING GUIDE

!!! 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> or scan the QR code at the bottom.



Do **NOT** mount the controller near any heat source!

This will cause failure of the internal components. The ABS housing can withstand greater heat than the internal components. The controller is waterproof, but it does contain a microphone (used for music mode) that can be affected by mud/water, mount the controller in a place that will not become overly wet or muddy for best results using Music mode.

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.

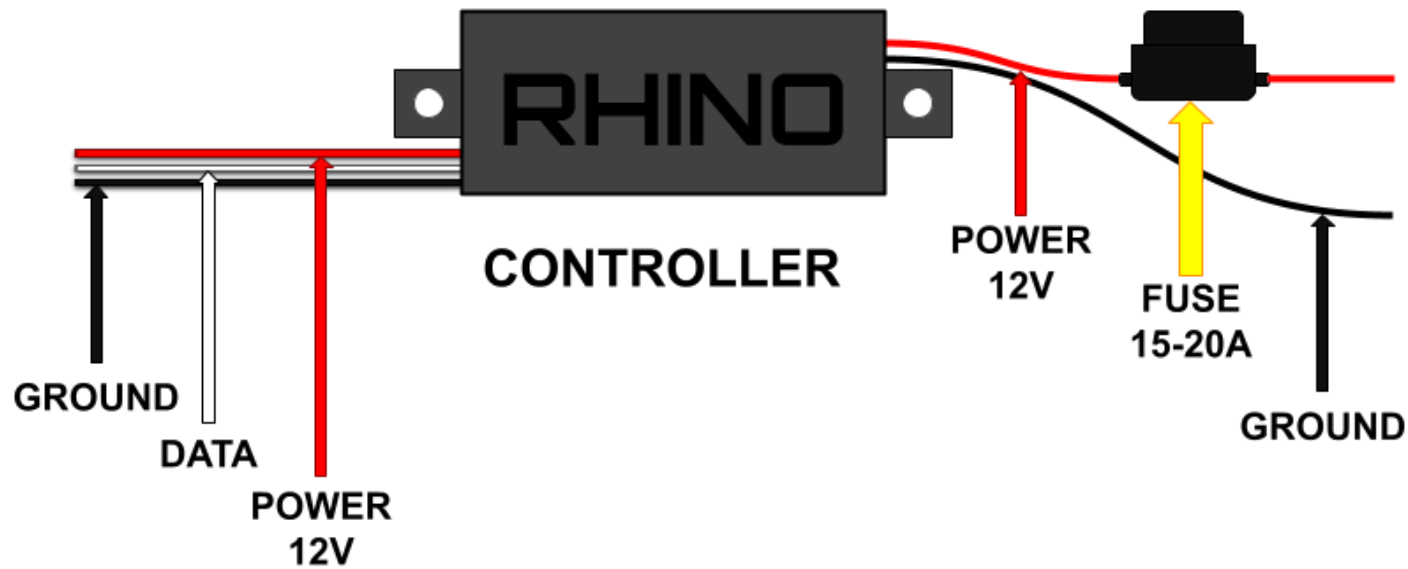
Cut the pigtail wire from whips to length before you connect to the controller for best performance.

If attaching flags to your whips, use 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.

A spring is required to be used for any whip 2ft or longer to be covered under warranty. Springs are provided with the purchase of whips, unless state 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.



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 types and amounts of our RGB/RGB+W lights and sync them together. To control lights separately (color, pattern, etc.) another controller is required.

Driver settings are:

RGB+W: RGB TM1814

RGB: GRB WS8211

When connecting whip pigtail wires to the controller, connect them like so:

Ground: **BLACK** controller wire → **BLACK** pigtail wire
+12V Power Source: **RED** controller wire → **RED** pigtail wire
Data signal: **WHITE** controller wire → **YELLOW** pigtail wire

PLEASE NOTE:

RGB, RGB+W, rock lights/whips/halos, and Diamond Duo rock lights cannot be intermixed.

All RBG products (rock lights, halos, whips, pod light rings, LED strip) can run together off a single controller.

RGB and RGB+W lights currently cannot be used on the same controller.

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.