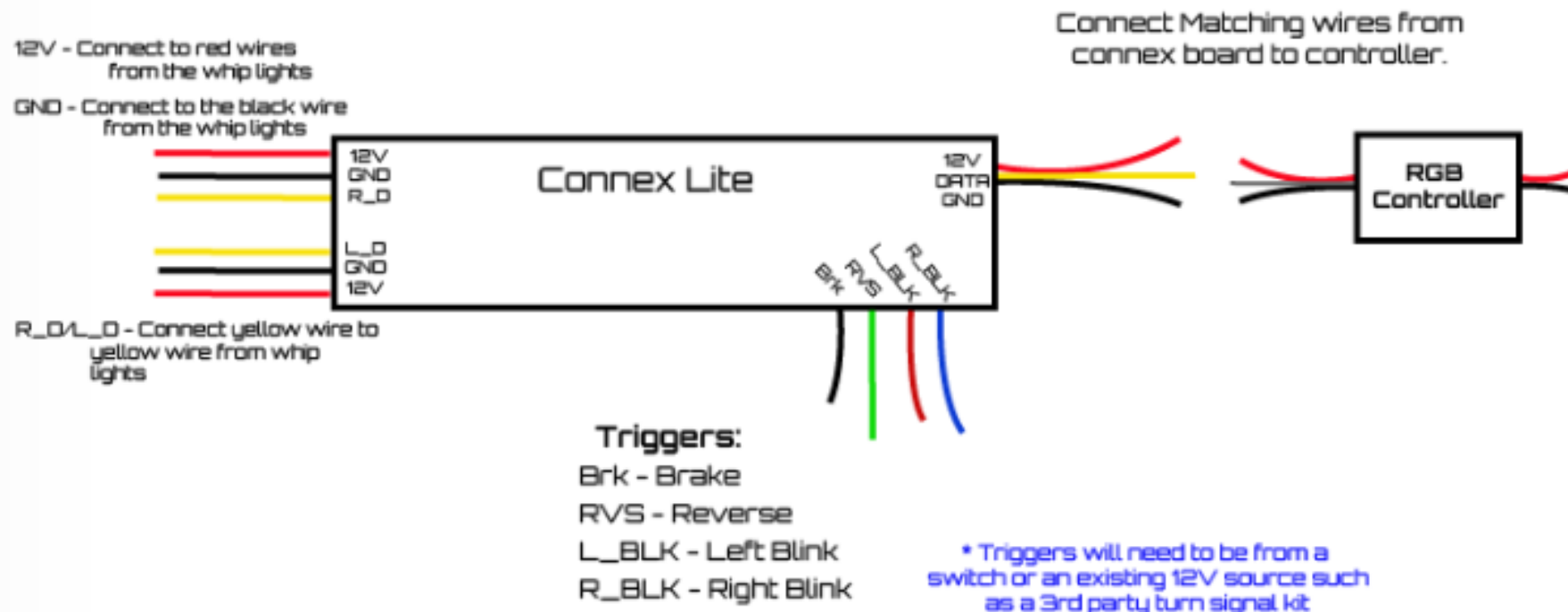# Precautions & Tips

Do **NOT** mount the controller near any heat source! This will causing failure of the internal components. The ABS housing can withstand greater heat then the internal components.

Connex Lite Wiring

RHINOConnex Lite Wiring Diagram

The Connex Lite allows Turn Signal, Reverse, and braking functionality for Rhino RGB 2.0 Whips. The Connex Lite can use a 3rd party/external blinking (XTC, Corbin, Ryco) OR can use internal blinking (no 3rd party turn signal kit required).

12V - Connect to red wires from the whip lights

GND - Connect to the black wire from the whip lights

Connect Matching wires from connex board to controller.

Connex Lite		
12V		12V
GND		DATA
R_D		GND
L_D		
GND		
12V		

RGB Controller

R_D/L_D - Connect yellow wire to yellow wire from whip lights

Triggers:

Brk - Brake

RVS - Reverse

L_BLK - Left Blink

R_BLK - Right Blink

* Triggers will need to be from a switch or an existing 12V source such as a 3rd party turn signal kit

Installation Tips

Always use a **fused** power source for the controller. Rhino Lights is not responsible for damage due to shorting out products with poor wiring practices. Install the connex board away from any heat source to prevent damage to internal components.

Input Channels

These are the input channels that trigger different functionailty based on what channel is triggered with 12 volts.

12 Volt (12v)- Power to Connex
- Use a 16 awg wire along with a fuse and relay to supply power to the Connex board.
- **Switch Recommended** - *On/Off switch*

Ground (GND)
- Use a 18awg wire to connect to the ground circuit.

Data (DATA)
- Connect this to the data output on the bluetooth controller (White wire).

Right Blink Trigger (R-BLK)
- 12 volts activates RIGHT turn signal functionality.
- **Switch Recommended** - *On/Off/On switch (Combine Left/Right Turn Signal to this switch)*

Left Blink Trigger (L-BLK)
- 12 volts activates LEFT turn signal functionality.
- **Switch Recommended** - *On/Off/On switch (Combine Left/Right Turn Signal to this switch)*

Reverse (REVERSE)
- 12 volts activates reverse functionality which turns L_ALL / R_ALL white. Any products connected to the L_ALL / R_ALL will turn solid white.
- **Switch Recommended** - *On/Off switch OR Tap into existing reverse trigger*

Brake (BRAKE)
- 12 volts activates L_ALL / R_ALL braking functionality. Any products connected to the L_ALL / R_ALL will flash Red 5 times then turn solid red when this is triggered.
- **Switch Recommended** - *N/A - Tap into existing tail light brake trigger*

Left All Channel (L-ALL)
- This channel was intended for whips.
- This channel gets affected by **LEFT** turn signal, brakes and reverse functionality (if enabled).
- Can be used for any products, contact us for more information on customization.

Right All Channel (R-ALL)
- This channel was intended for whips.
- This channel gets affected by **RIGHT** turn signal, brakes and reverse functionality (if enabled).
- Can be used for any products, contact us for more information on customization.