



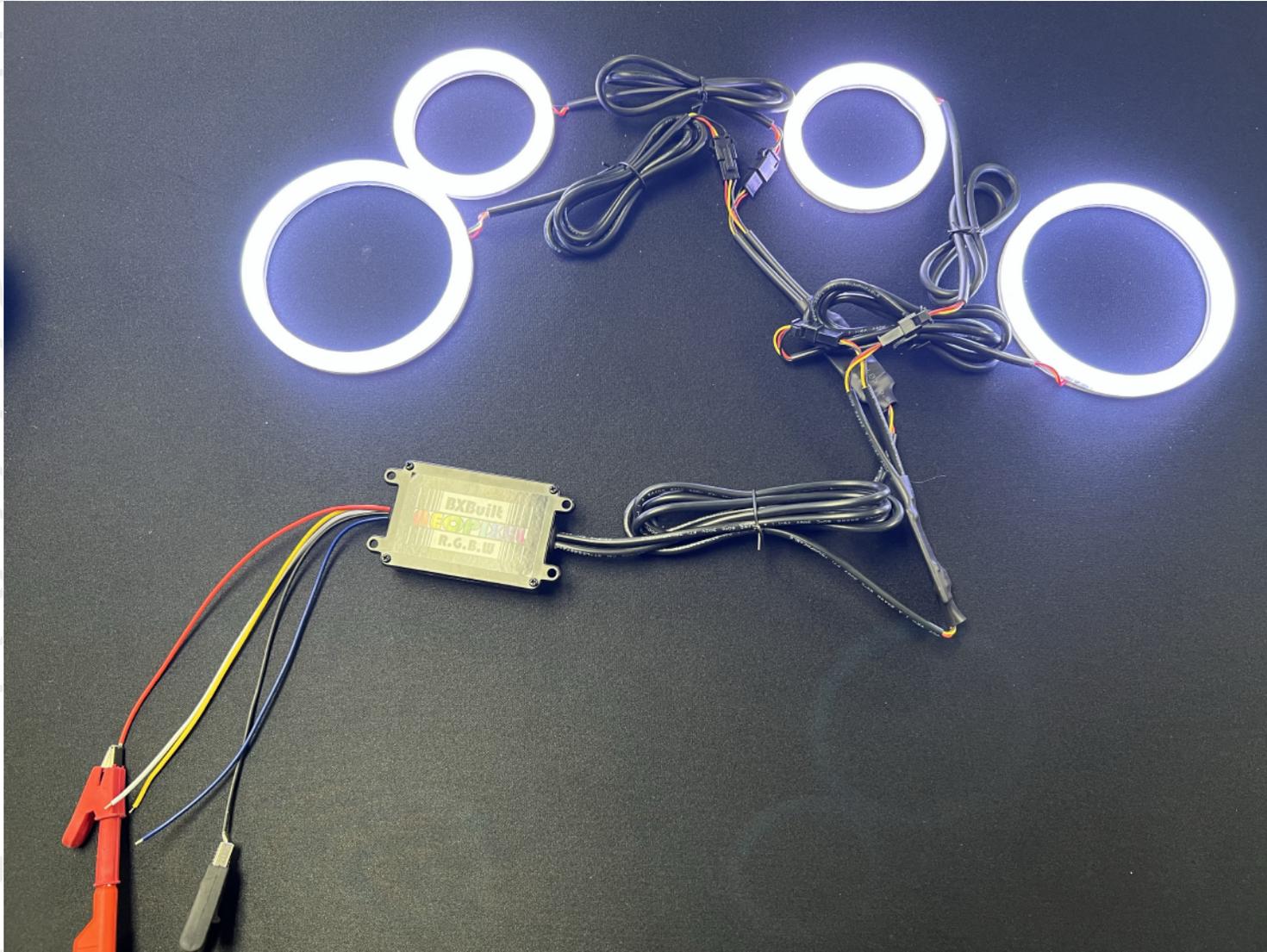
# **BXBuilt RGB Controller v2**

*Basic install and use guide*

# Generation 2 RGB Controller by BXBuilt



Our new controller for 2022 has some major updates from our 2020 controller.  
Easier install, turn signal input, full start up show and multiple controller separation right from inside the app.



[www.freedomretrofits.com](http://www.freedomretrofits.com)

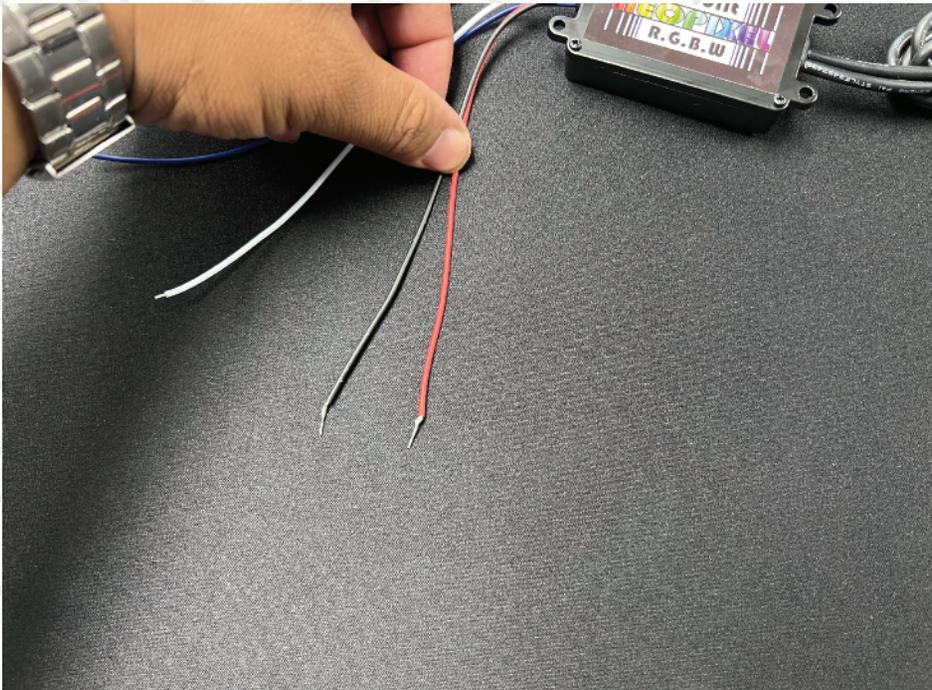
# Basic wiring and power

The Controller is a simple 2 wire setup for power to the controller.

Black - 12v ground

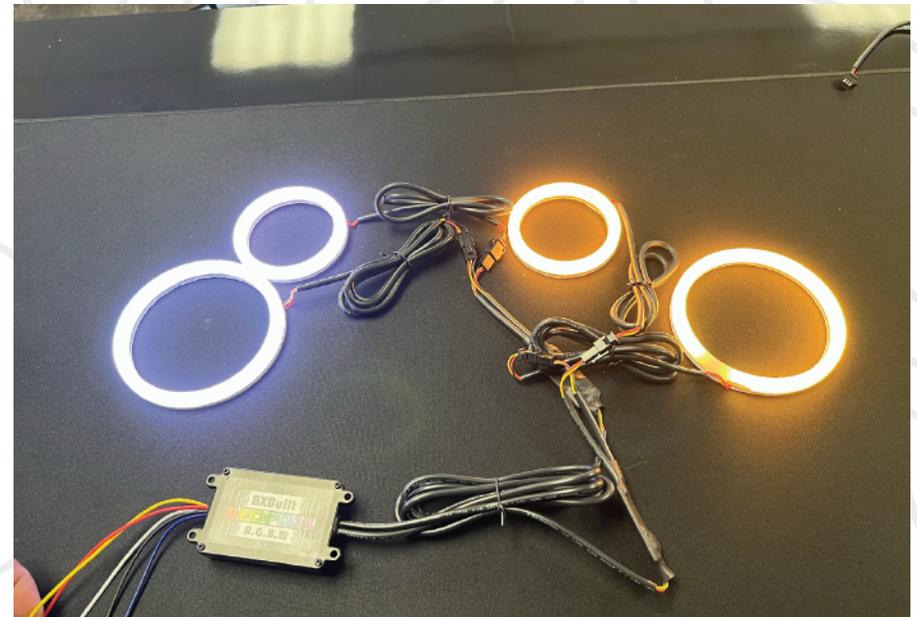
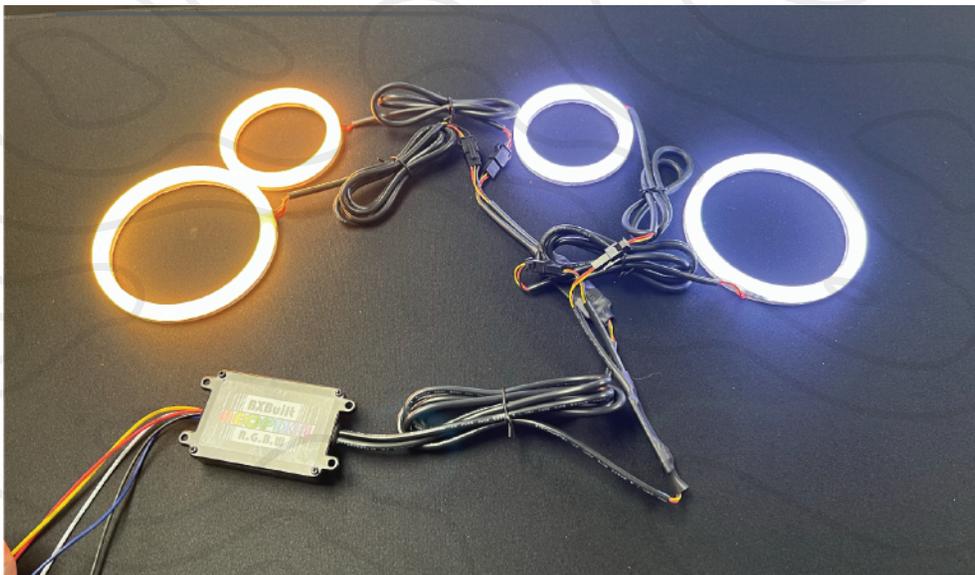
Red - 12v positive

We highly recommend you run these to a simple toggle switch harness like we have in the photo for example. But you can also use a fuse tap to power the controller. Or even power it off any 12v wire inside the vehicle. A toggle switch inside the cabin allows you to have proper control of when you want the RGB lighting on or off.



# Turn Signal Feature

1. The Controller features a blue and yellow input wire for Turn signal. Yellow and blue wires represent each side of your vehicle. For example, run the yellow wire to the positive wire of your front driver turn signal. Then run the blue wire to the passenger side turn signal positive wire.
2. Plug in your halos etc to the controller. Test each turn signal and verify that you ran the correct pair of connectors to the right side. If you turn the left turn signal on and your right turn signal activates, then swap the wiring pair of the halo connectors over to the other side of the vehicle.



# App Use & Features



SCAN THE QR CODE ON THE CONTROLLER TO DOWNLOAD THE MAGIC LANTERN APPLICATION.

Once the app is downloaded, turn the Controller on. You will see the start up feature go through its cycle, then the halos will go to their last known setting.



# App Basic Features



## App Main Page

The main page of the application has all of your basic control functions. The large circle in center has your full RGB control.

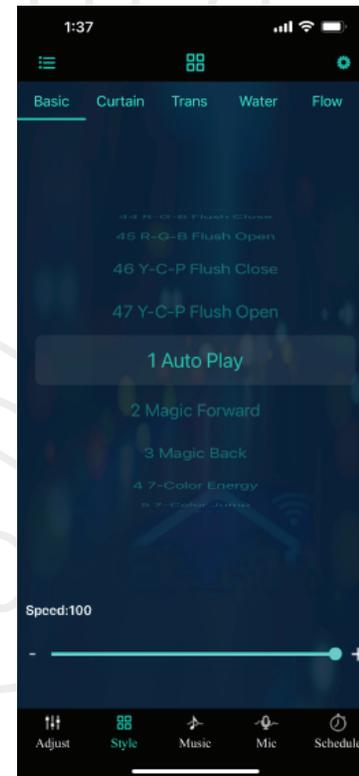
If you want to preset a color, simply tap on one of the preset colors, then slide your thumb around the color wheel. The color you leave it on will be a custom preset.

The brightness slider is for total overall brightness. The classic colors are quick select colors and cannot be modified or changed. Hit the style button on the bottom to enter the show mode screen.



# Show Modes

The show modes are separated by groups above, scroll left to right to select between them. Then each show mode in the group is on the scroll wheel which is changed by scrolling up and down. Speed of the show mode is on the bottom slider



# Controller Management

This screen is located by tapping the top left corner of the app. 3 vertical lines and allows you to unlink or link multiple controllers. Also lets you know if your phone is connected or not to the controller. Running multiple controllers allows for multi channel color or show mode control.

