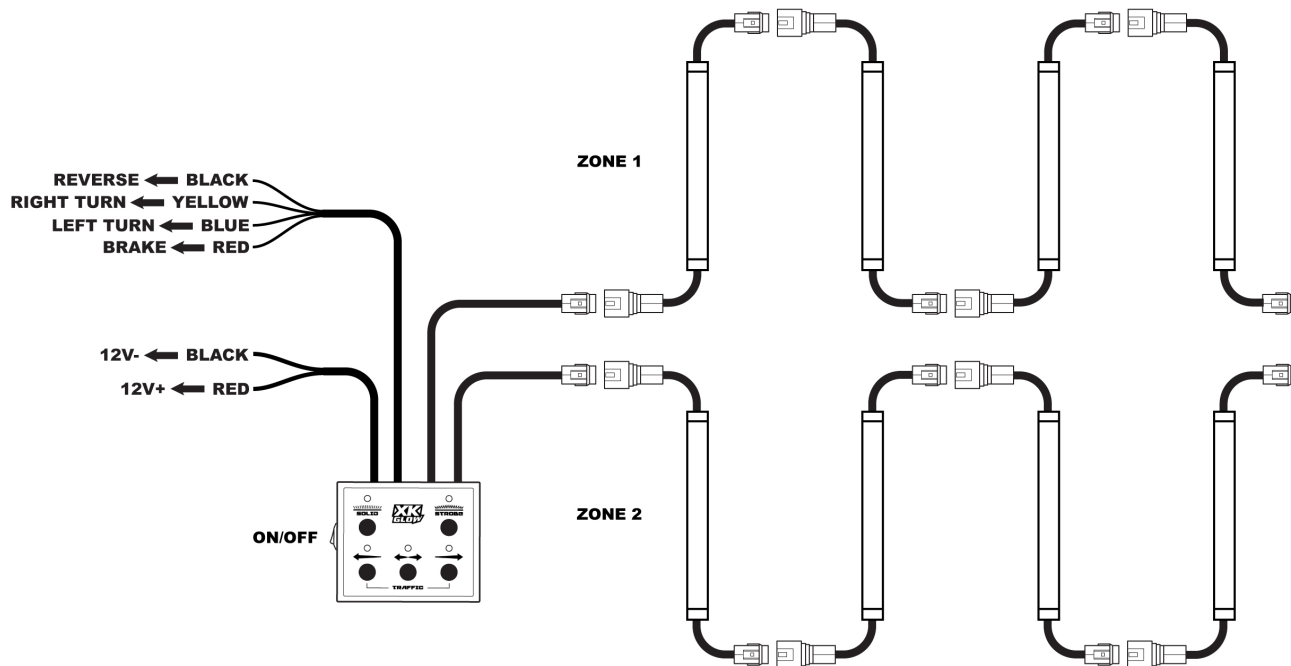


Mounting Instructions

- Test all components before mounting:** As shown below, plug ALL light units together and connect them to the controllers and the switch box. Connect the RED wire to the POSITIVE pole of 12V DC battery. Connect the BLACK wire to the NEGATIVE pole. Turn on the switch and push the controller buttons to test the tubes.

Adjusting tube Count

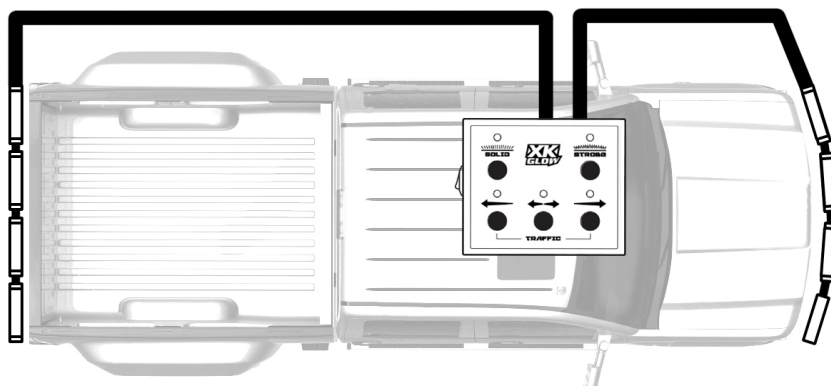
By default, the Switch Box is set to control 4 tubes on each zone. If you are connecting more, you must synchronize the Switch Box following the steps below. The Switch Box has the ability to adjust the strobe patterns to best suit the amount of tubes utilized on any given vehicle. **To adjust the tube count**, hold the SOLID and STROBE buttons down at the same time for 3 seconds until the first tube on each output zone lights up solid. The red LED indicators above the SOLID and STROBE buttons will also breath during synchronization. Press the RIGHT CHASE button to increase the tube count or the LEFT CHASE button to decrease the tube count. Once all of the tubes are illuminated solid, press and hold the SOLID and STROBE buttons again until the tubes flash 3 times. This means that synchronization is complete and the kit is ready for install.



Tube Orientation

The strobe system features directional chasing functions controlled via the included Switch Panel. These functions include a Right Chase mode, Left Chase mode, Center Chase mode, and optional left or right turn signals. In order for these functions to work properly, the tubes must be wired in the correct orientation. Each output zone from the Switch Panel must begin on the driver side of the vehicle. If not, the chasing patterns will be opposite of what is reflected on the Switch Panel buttons. See diagram below.

DAISY CHAINS MUST BEGIN ON DRIVER SIDE



Wiring

1. **Install tubes:** Drill a $\frac{3}{4}$ " hole where the wires need to pass through the body panel. Feed plugs and wires through the holes and connect them together. Secure the tube onto the mounting location.
2. **Route wiring:** Mount the Switch Panel in a convenient location. Connect the RED wire to the POSITIVE pole of 12V DC battery or a 12V source inside the cab. Connect the BLACK wire to the NEGATIVE pole or to a chassis ground bolt. Utilizing the included extension wires, route the output wires to the first tubes on the driver side of the vehicle. Daisy chain the remaining tubes together from driver side to passenger side.
3. **Optional- Tap signal wires:** The Switch Panel has 4 sensor wires exiting it; black, yellow, blue, and red. These signal wires automatically trigger a driving function when they receive 12V. The YELLOW wire activates the right turn mode and BLUE activates the left turn mode. Tap these wires into the positive turn signal wire for each side to utilize this feature. If you are only using strobe lights on the rear of the vehicle, you can take advantage of the brake and reverse modes. The BLACK wire activates reverse and the RED wire activates the brake mode. If desired, tap these into the corresponding wire on your vehicle.

BLACK – REVERSE
YELLOW – RIGHT TURN
BLUE – LEFT TURN
RED – BRAKE

Switch Box Functions

The Switch Box has 5 buttons to control the strobe tubes. These buttons are SOLID, STROBE, LEFT CHASE, CENTER CHASE, and RIGHT CHASE. There is a master ON/OFF switch on the side of the Switch Box. Turning the switch to OFF will cut all power from the tubes and disable any of the signal wire functions (ie right turn signal). Holding any single button down will turn all tubes off.

SOLID – pressing this button will turn all tubes solid on.

STROBE – pressing strobe will activate strobe mode. Press repeatedly to cycle through different strobe patterns.

LEFT CHASE – press left chase to activate the left chasing mode. This will make the tubes chase from the passenger side to the driver side of the vehicle.

CENTER CHASE – press center chase to activate the center chase mode. The tubes will illuminate from the center and cycle outwards. Please note that if the Switch Box has been synchronized for 3 or less tubes, the center chase mode will be disabled.

RIGHT CHASE – press right chase to activate the left chasing mode. This will make the tubes chase from the driver side to the passenger side of the vehicle.