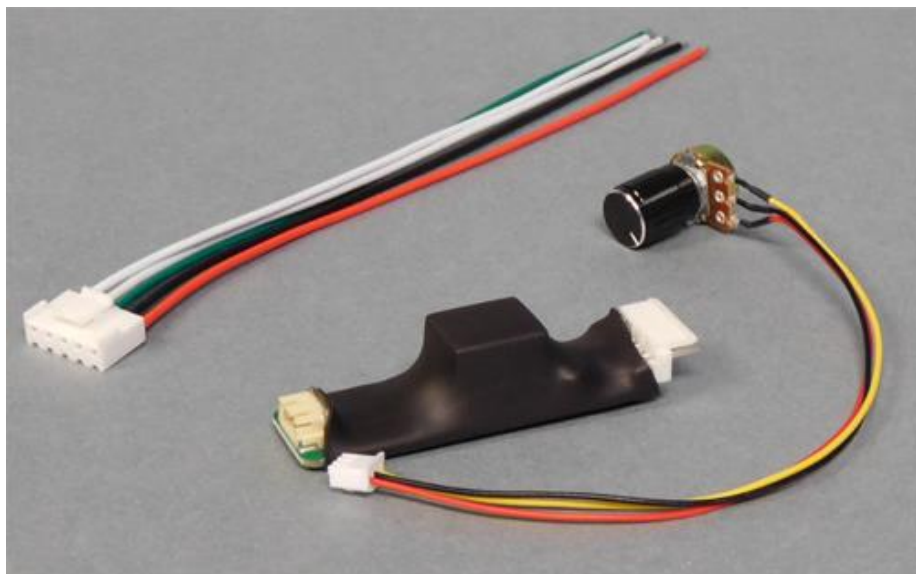




NVU LED DIMMER MODULE WITH AUTODIM FEATURE



LED DIMMER BASICS

Your NVU LED dimmer module is design for dimming all NVU gauges and gauge kits. It will support up to 10 gauges and SOME additional interior lighting. This can be installed as a traditional dimmer that operates only when the lights are on or can be set-up to have the gauge lights on full with the ignition on and then dim to the proper level when the headlights are activated. This feature gives custom builds better visibility and more impactful dial colors during the day, making your dash even easier to see and looks great!

NOTE:

This is designed for 12V negative ground systems.

Your factory dimmer may not be compatible with this dimmer or LED bulbs. If this is the case, we recommend using the parking brake circuit to activate the gauge lighting.

MOUNTING YOUR DIMMER:

The modular design of this unit allows for flexible installation with minimal space use. Mount the control knob anywhere you like through a $\frac{1}{4}$ " hole (existing or drilled). Notch the hole for the anti-rotation tab if desired. You can bend or remove the tab if you decide not to use it. The main module can be plugged in via the 3-pin lug and secured as you see fit, we generally just tuck it away or hang on other wires with the supplied zip-ties.

**PUSH-ON KNOB
CAN BE
INSTALLED IN
ANY
ORIENTATION**

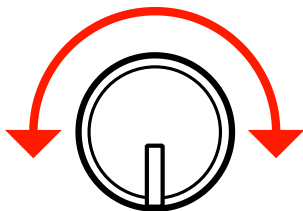
**MOUNTS IN $\frac{1}{4}$ "
HOLE IN ANY
MATERIAL UP
TO $\frac{1}{4}$ " THICK**

**CONTROLLER
KNOB BODY**

**NUT AND
WASHER
SECURES
ASSEMBLY IN
PANEL**

**ANTI-ROTATION
TAB**

**WIRE HARNESS
FOR 3-PIN PLUG**



BRIGHTER

DIMMER

DIMMER CONTRTOL FUNCTION:

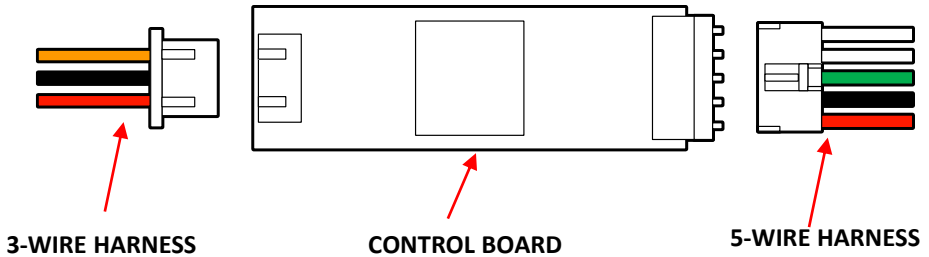
Rotate the dimmer knob to brighten/dim the LEDs. Clockwise is dimmer, counterclockwise is brighter. Yes, this seems counter-intuitive but that is how the current version operates.

CONNECTIONS

Wire the unit as shown below. The harnesses are designed to make installation more flexible by offering a method to attach/connect in 3 pieces.

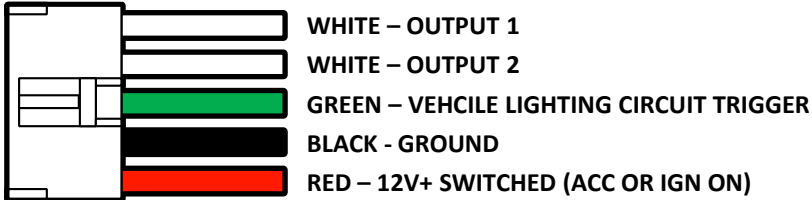
Plug the 3-pin harness from the control knob into the control board.

Plug in the 5- wire harness into the control board and wire to vehicle as needed.



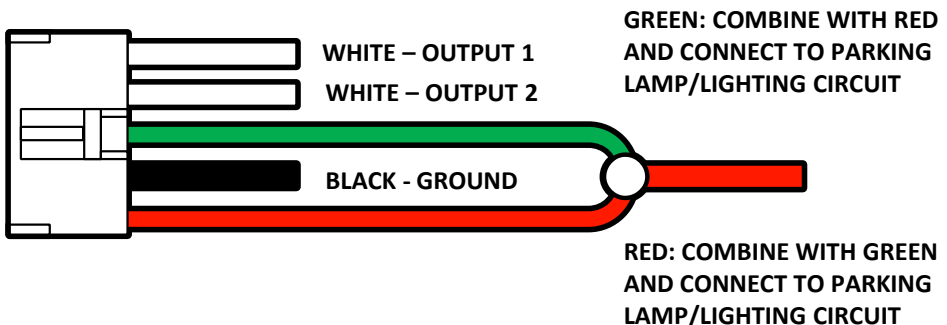
WIRING TO THE VEHICLE: AUTODIM FEATURE

The auto dim feature turns the gauge light son with the ignition key in the ACC or ON position (how you wire it) and then dims the gauge lights to your pre-set level when the headlamps or parking lamps are on (how you wire in). This gives easier viewing and more vibrant graphic colors during the day, especially on deeper dashes where the gauges set far back in the shadow if the bezel. There are 2 outputs on the white wire, one is for the gauges and the other for your interior lights. **NOTE: IN THIS CONFIGURATION WILL ONLY TURN THE LIGHTS ON WHEN THE KEY IS ON.**



WIRING TO THE VEHICLE: STANDARD DIMMER

Wiring using the schematic below will have the dimmer operate during lights on conditions only like a traditional dimmer. We suggest NOT using the stock dimmer and tying into the parking lamp circuit to ensure a full 12V reaches the dimmer. There are 2 outputs on the white wire, one is for the gauges and the other for your interior lights.





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NVU LED AutoDimmer