

USER GUIDE



Responsiv™ *Simple12-24* LED Dimming Controller

Your Responsiv™ dimmer is designed to provide convenient, reliable, wide-range and flicker-free brightness control for single color LED strip lights powered by a 12V or 24V power supply. It can control LED current up to 8 amperes. 96 watts maximum at 12V, 192 watts at 24V.

Installation: Connect the dimmer between your power supply and LED strip as shown. Keep ends unobstructed. Orient vertically for best air flow.

SWITCH → POWER SUPPLY → DIMMER → LED STRIP

Operation: Activate the dimmer with a "Quick-Off" (QO) switching gesture. That is, briefly turn the switch off. Be sure you see the lights go out, then quickly turn the switch back on again. Lights should come back on within 2 seconds. The dimmer will control the lights as follows:

| State | QO Response |
|--|------------------------------|
| Full Bright -OR- Steady after brightening | Begin gradual dimming |
| Gradually changing | Stop changing, remain steady |
| Full Dim -OR- Steady after dimming | Begin gradual brightening |

When you switch power on after a long period, lights return to their previous state.

Energy Saving Preset: Preset a brightness level to save even more energy with your LEDs. A setting perceived as half bright uses about 75% less energy.

Compatible Power Supply: Your power supply should turn on within 2 seconds of AC power application. This is to assure your dimmer will be activated by your Quick Off gesture, and not simply return to its previous setting as after a long power off period. Most LED power supplies meet this requirement.

Most LED power supplies store some energy, and continue operating briefly after AC power is switched off. Delay is longer if lights are dim, and for supplies rated for higher current than your LED strip uses. You must wait until lights go off before switching AC power back on, or your Quick Off switching gesture will have no effect.

Avoid Excessive Heat: Like all electronics, your Responsiv™ dimmer will be reliable longer without temperature extremes. Avoid mounting on or adjacent a power supply that runs hot. Some components in your dimmer can get hot in normal operation. A vertical mounting orientation, with ends unobstructed, promotes convection cooling of those components.

Customer Assistance: On our web site, Responsivled.com, you'll find a downloadable copy of this guide and other consumer product information. You may use the contact form to communicate questions or comments.

Switch Labels: If you need additional labels for your switches, you can copy and print this image. You can either print on adhesive backed label paper, or attach with double sided tape.



Tip: Scrape adhesive backing from a small corner with a knife blade.
The label can be peeled away easily.