

Dimmable LinkUp LED Controller
Part No. linkup-dim



The Dimmable LinkUp LED Controller is an exciting and user friendly way to control the brightness of monochrome lighting systems. Use the touch wheel or preset buttons to find the perfect level of light for any occasion. Each remote can control an unlimited number of receivers, allowing you to easily create grand effects.

This set contains an intuitive remote and receiver pair. Utilization of radio frequency wireless communication allows you to customize settings in real time and through walls, within 100 feet (30 meters) of the receiver. Eliminate wires by pairing multiple receivers to a single remote.

The receiver is rated at 6 amps per channel which is 144 watts per receiver at 12 volts or 288 watts per receiver at 24 volts. Our regular density warm white strip uses 24 watts per 5 meter reel. Therefore, at 12 volts you can control 3 reels of regular density LED strip per channel, or six reels in total per receiver with 3 reels on each channel.

Features

- Touch sensitive wheel can be used to specify 50 levels of brightness.
- Three preset buttons automatically adjust light to specified levels.
- RF hand-held remote controller - adjust lights through walls from 30 meters (100 feet) away in benign electromagnetic field.
- Each remote can direct an unlimited amount of compatible receivers simultaneously.
- Power off memory function.
- Two identical signal outputs. Common anode takes 12 or 24 VDC.

Applications

- Easily adjustable and energy efficient.
- Create the perfect ambiance for any home or business.
- Eliminate wiring: unlimited receivers can be controlled by a single wireless remote.
- Hotels, restaurants, office buildings, homes and casinos, wine cellars, bars, home entertainment centers.

Specifications

Remote

Dimensions:	4.33" x 2.04" x 0.79" 110 mm x 52 mm x 20 mm
Power:	3 AAA batteries
Working Frequency:	2.4 GHz
RF Remote Distance:	100 feet (30 m)

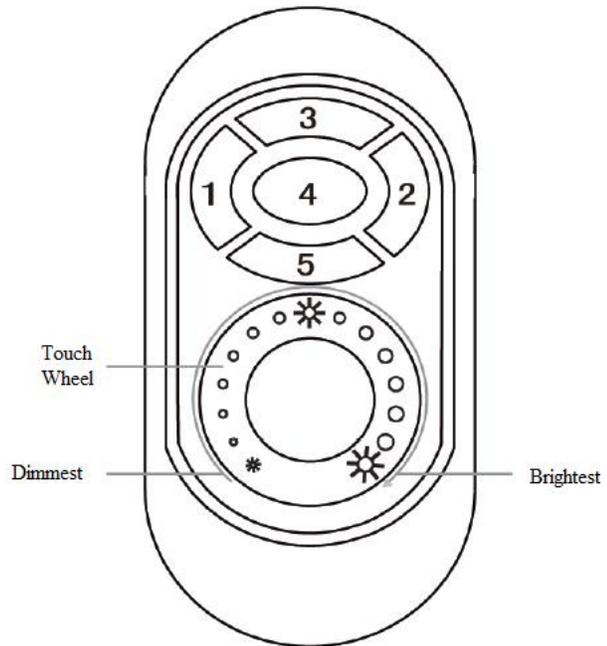
Receiver

Dimensions:	3.35" x 1.77" x 0.91" 85 mm x 45 mm x 23 mm
Output Frequency:	250 Hertz
Input Voltage:	12-24 VDC
Maximum Load:	6 A per Channel
Maximum Power:	144W/288W (12VDC/24VDC)

Remote control functions:

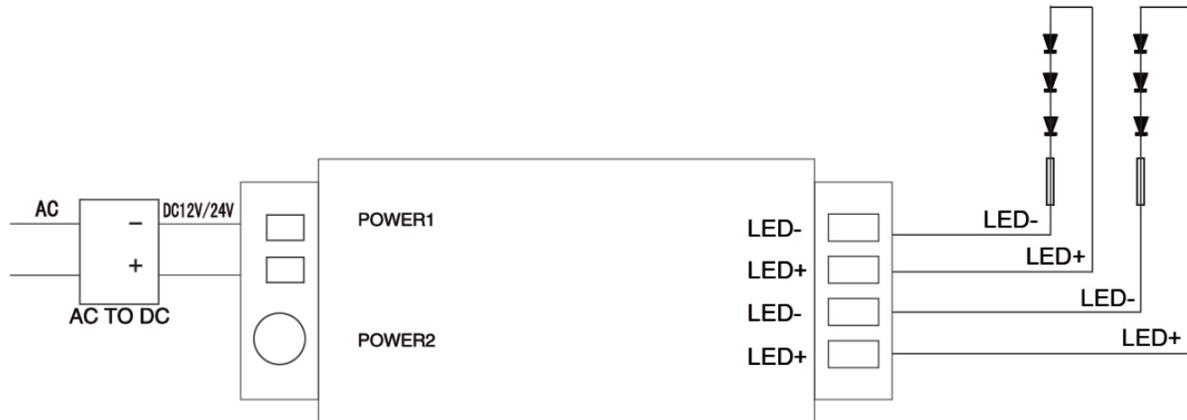
Button Functions:

1. On
2. Off
3. Highest Brightness
4. Medium Brightness
5. Lowest Brightness



Operation

Remove the back cover of the remote and insert three AAA batteries. Connect the LED load to the controller using either the terminal blocks (as shown below, Power 1) or the barrel connector (Power 2). Do not apply voltage to both Power 1 and Power 2 at the same time. Apply 12 or 24 VDC depending on the LED load being powered.



Each receiver must be paired to the remote in order to function. To pair a receiver to remote, turn off power to the receiver. When the lights turn on, quickly press button three (highest brightness). The lights will blink three times to confirm.

To delete a pairing, turn off power to the receiver. Wait 10 seconds, and then restore power. As soon as the lights come on, press button 3 (highest brightness) five times rapidly. The lights will blink to confirm.

Do not press the touch wheel while loading the batteries. This will affect the sensitivity of the touch wheel. Loss of sensitivity in the touch wheel is also an indicator of low battery charge.

Instructions

Please take the following precautions:

1. This equipment, like all electrical equipment, should be installed by a qualified person.
2. Do not expose these LEDs, dimmers or power supplies to intense electro-magnetic fields, including lightning.
3. The controllers and power supplies are not waterproof. Keep them dry.
4. Always observe proper polarity.

When installing LED lighting, it is a good idea to follow this “dry-run” procedure:

1. Be sure you have everything you need before you start.
2. Lay out your lights and power supply on the floor or table.
3. There is some resistance in the LED lighting. If you see any color fading or dimming at the end of a long run, you may have too many LEDs for your power supply and you might need a bigger supply or shorter runs. Use a bus structure as described in [rgb_manual.pdf](#). Call if you need assistance with larger projects.
4. Connect everything and test it to be sure it works and you have it connected properly. It is unlikely, but possible, that some part of your system is defective or was damaged during shipment. If that is the case, it will be very helpful to you to know that before you do all the work involved in installing custom LED lighting systems. You will also know if you damage anything during installation, which is really helpful in trouble-shooting because manufacturing defects and installation damage typically have very different solutions.

Once you have tested the system successfully, you are ready to install it. We recommend you install LEDs, electronic controls and dimmers in such a way that you have access to them in case they fail. All electrical components can fail.