

## White Adjustable LinkUp LED Controller

Part No. linkup-white-adj



The White Adjustable LinkUp LED Controller is an exciting and user friendly way to control the brightness and color temperature of white lighting systems. Use the touch wheel to find the perfect ambiance for any occasion. Each remote can control an unlimited number of receivers, allowing you to easily create grand effects. Furthermore, research has shown that color temperature has strong effects on mood and energy. Optimize your work by using cool light or relax with warm light.

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 receivers. 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 Color Tunable strip uses 42 watts per 5 meter reel. Therefore, at 12 volts you can control 3 reels of regular density color tunable LED strip.

## **Features**

- Touch sensitive wheel can be used to specify 20 levels each of brightness and color temperature.
- 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 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.
- Find the perfect color temperature and intensity for displaying products or relaxing in your home.
- Modify your lighting throughout the day: use warmer lighting in the morning and evening, cool lighting during the day.
- Availability of color tunable, dimmable lighting to employees has been shown to promote efficiency and reduce frequency of headaches and migraines.
- 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

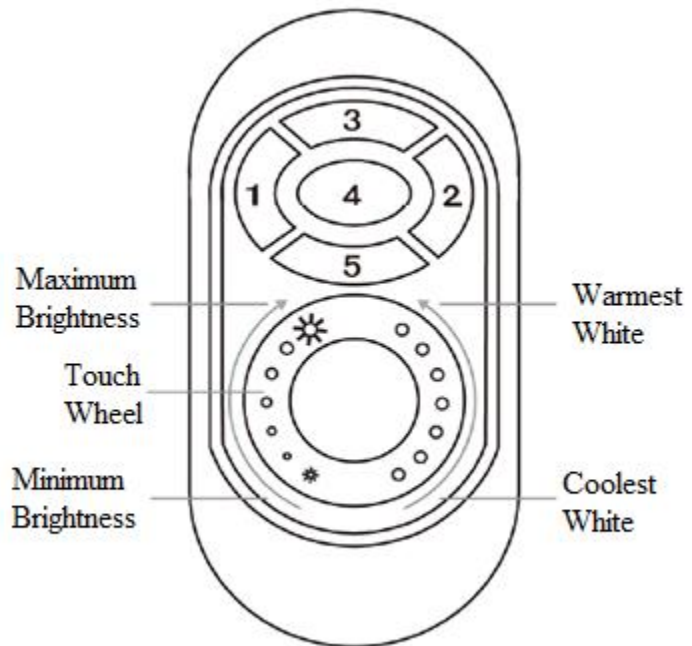
Dimensions:	3.35" x 1.77" x 0.91" 85 mm x 45 mm x 23 mm
Output Frequency:	250 Hertz
Input Voltage:	12-24 VDC
Maximum Load:	6 A per Channel
Maximum Power:	144W/288W (12VDC/24VDC)

## Remote control functions:

### Key Functions:

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

Touch wheel can be used to easily specify color warmth (right side) and brightness (left side).

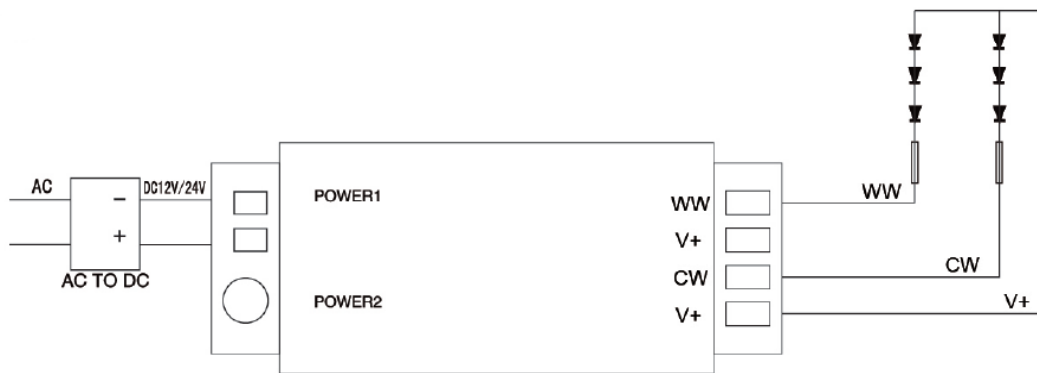


# Operation

## Powering Up

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. Apply Warm White to WW and Cool or Daylight White to CW.

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.



To pair a receiver to your remote, turn power to the receiver off for ten seconds, then turn back on. As soon as the lights turn on, press key three on the remote controller. The light 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.

## 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.