

## 44-Key Infra-Red Controller



This IR (Infra-Red) Controller and Remote is designed for controlling LED lighting products such as flexible strips, glass curtains, wall lights and wall washers and provides an easy to use solution for switching lights on or off and choosing lighting colours.

The unit is easy to install and comes in two parts: a receiver, which installs between the strip light and driver/transformer, and a Remote Controller which can be used to set the colour, brightness and speed of the LED Strip.

Using the IR Controller/Remote, you can wirelessly control the settings on your LED lights, choosing from a variety of static colours and dynamic modes. The user can also customise any colour, and can store up to 6 different colours.

As this is an Infra-Red Controller, you will need a direct line of sight between the remote and Infra-Red sensor. If this will cause a problem you may want to consider one of Heralds range of RF Wireless Controllers. The sensor is attached to a length of wire for optimum placement.

**Before installing this product, please read this manual carefully to ensure full understanding of the specification to avoid unnecessary damage.**

## Directions for use

- The supply voltage for this product is DC12V-24V, never connect to a mains voltage.
- Always connect the load first then apply the power taking care not to short circuit.
- Lead wires should be connected according to the connection diagram.
- Do not overload the controller. Refer to technical specifications.
- Remove the isolation tab from the remote control battery.

## Features

- Mode select
- Brightness controls
- Customise your colours
- Store up to 6 custom colours

## Technical Specifications

### Controller :

- Operating Temperature: -20°C +60°C
- Supply Voltage: DC 12V-24V
- Output: 3 channels
- Connection Mode: Common Anode
- Static Power Consumption: <1W
- Output Current: 2A x 3Ch =6A 2A per channel
- Controller dimensions: L 61 x W 35 x H 22mm
- Package Size: L 136 x W 48 x H 59mm
- Net Weight: 60g
- Gross Weight: 85g

### Remote Control :

- Remote Size: L 125 x W 56 x H 7mm
- Controller: Powered by 1 x CR2025 battery

## External dimensions:

Controller



Remote Control



Packaging Size



## Interface Specifications:

Power input interface:



Infrared receiver interface:



Load output interface:

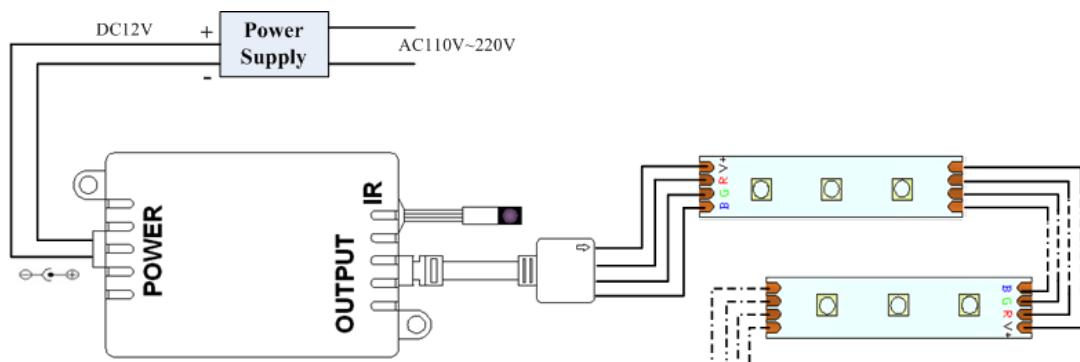


## Remote Control Instructions:

Brightness + (8)	Brightness -(8)	Pause / Run	ON / OFF
Static Red	Static Green	Static Blue	Static White
Static Orange	Static Light Green	Static Dark Blue	Milky
Static Deep Yellow	Static cyan	Static Blue-Violet	Pink and white
Static Yellow	Static Light Blue	Static Purple	Green and white
Static Light Yellow	Static Sky Blue	Static Brown	Blue and white
Plus Red Light	Plus Green Light	Plus Blue Light	Accelerate
Less Red Light	Less Green Light	Less Blue Light	Decelerate
Custom Colour 1	Custom Colour 2	Custom Colour 3	Automatically change colour 1
Custom Colour 4	Custom Colour 5	Custom Colour 6	Strobe
3 Colour Transitions	7 colour Transitions	3 Colour Gradient	3 Colour Gradient

## Typical Applications

Application Circuit:



DC+ : For power input + ( power supply voltage DC 12V-24V )

DC- : For power input -

### Notes:

- The load voltage, current and power must be consistent with the product.
- Please make the connection as per the diagram above – ensure you connect the load wire before connecting the power. When in use avoid short circuits.

## Common Problems

Problems	Possible cause	Solution
1. Lamp does not light after applying power.	Power cord is not properly connected, or there is no output from the power supply.	Connect the power cord properly or re-apply the power.
	Lamp power cord is not connected or has short circuited.	Connect lighting power cord.
2. After connecting some of the load the controller does not work.	The connected load is too large, so that it has damaged some of the components in the controller.	Replace damaged components or replace the controller.
3. After connecting the power, the controller is working properly but the remote control does not work.	1. Tab is still isolating the battery. 2. Receiver is not in range or blocked.	1. Remove the tab. 2. Make sure the receiver is in range and not blocked.