

## 24-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 one of 16 static colours and 4 dynamic modes.

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 DC 12V-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
- Speed function
- Brightness control
- 16 Pre-set colours including white
- 4 Patterns
- 10m Range

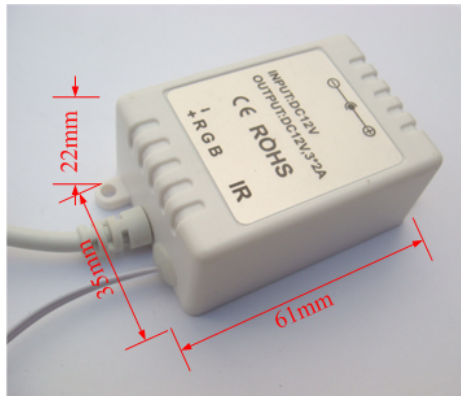
## Technical Specifications

### Controller :

- Operating Temperature: -20°C +60°C
- Supply Voltage: DC 12V - 24V
- Output: 3 channels
- Connection Mode: Common Anode (Cathode Optional)
- Static Power Consumption: <1W
- Output Current: 2A x 3Ch =6A 2A per channel
- Output Power: 12V: <72W, 24V: <144W
- Controller Dimensions: L 61 x W 35 x H 22mm
- Package Size: L 106 x W 64 x H 56mm
- Net Weight: 60g
- Gross Weight: 65g

## External dimensions:

Controller



Remote Control



Packaging Size



## Interface Specifications:

Standard DC Power input



Infrared receiver interface:



Load output interface:



## Remote Control Key Instructions:

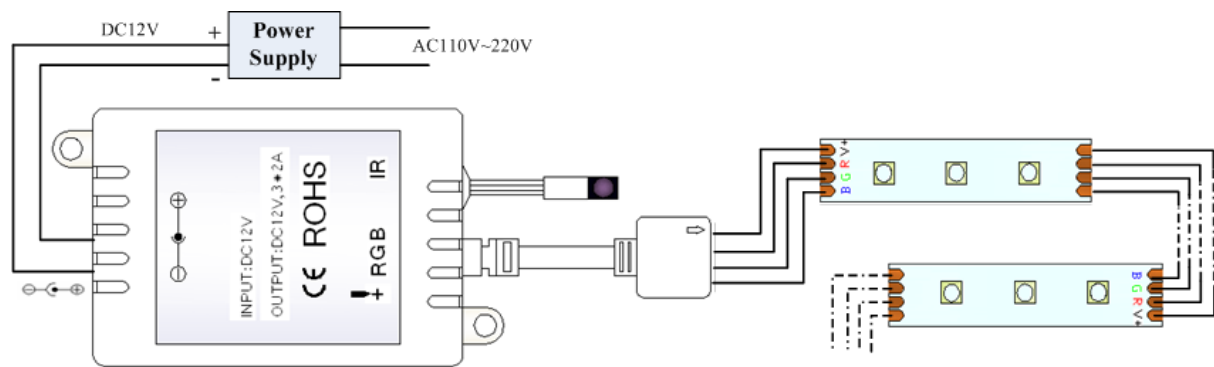


Symbol	Key note	Symbol	Key note	Symbol	Key note	Symbol	Key note
	<b>Brightness +</b> (16 in all)		<b>Brightness -</b> (16 in all)		OFF		ON
	Static Red		Static Green		Static Blue		Static White
	Static Orange		Static Pea Green		Static Dark Blue		Strobe Flash
	Static Dark Yellow		Static Cyan		Static Brown		7 Colour Jump Change
	Static Yellow		Static Light Blue		Static Pink		7 Colour Fade Change
	Static Straw Yellow		Static Sky Blue		Static Purple		3 Base Colour Jump

### Note:

When switching to dynamic modes (strobe, 7 colour jump change, 7 colour fade, 3 base colour jump) the “Brightness +”/ “Brightness -” button changes the speed. There are 32 brightness and speed levels.

## Connection Diagram



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

DC- : For power input -

The load voltage, current and power must be consistent with the product.

Observe connection polarity.

## Common Problems

Problems	Possible cause	Solution
1. Lamp does not light up.	Power cord is not connected properly, or there is no power coming out of the supply.	Connect the power cord properly or turn the power off and back on.
	Lamp power cord is not connected or has short circuited.	Connect the lighting power cord.
2. After connecting the load the controller does not work.	The connected load is too large. It may have damaged out some of the components in the controller.	Repair or replace the controller.
3. The remote control does not work.	Tab is still isolating the battery. The receiver is not in range or blocked.	Remove the tab isolating the battery. Make sure the receiver is in range and is not blocked.