

Fig. 2



PLEASE READ BEFORE USE

Integral LED Single Colour Remote Control and Receiver ILRC005

WARNING
DO NOT CONNECT THE RECEIVER TO A MAINS SUPPLY.
THE RECEIVER MUST ONLY BE CONNECTED
TO A SUITABLE 5V-24V CONSTANT VOLTAGE LED DRIVER.

1. Turn On/ Standby

Press 'I' key to turn ON unit or press 'O' key to turn OFF. On power up the unit will automatically restore to the previous brightness setting.

2/3. Brightness Adjustment

To adjust LED brightness, Press (BRIGHT+) to increase brightness or press (BRIGHT-) to reduce brightness.

4. Brightness Shortcut keys

Shortcut key to 100%, 80%, 60%, 40%, 20% or 10% brightness.

5. Remote Controller Indicator

The blue LED will flash when the remote control is operated. The remote control uses RF (Radio Frequency); therefore it is not necessary to aim the remote control directly at the LED Dimmer/ Receiver.

IMPORTANT NOTICE

- This product should be installed according to the instructions in this guide and by a qualified electrical installer.
- All electrical work must be completed in accordance with the latest IET wiring regulations (formally IEE) for the UK or in accordance with all applicable regulations and laws in the country in which it is being installed.
- Switch OFF power at the mains before installing the product.
- Always disconnect or switch off the power supply before making any adjustment to the wiring.
- Observe the operating temperature of the product:
-30°C to +80°C

1. Introduction

INTRODUCTION

The Integral LED Single Colour Remote Control and Receiver are designed to work with the Integral LED Single Colour Strip. You will be able to adjust the brightness level of your strip by using the supplied remote control.

2. Specifications

LED Dimmer/ Receiver:

- Power Input: DC5V - DC24V
- Max Current Load: Max 10A
- IP Rating: IP63
- Max Output Power: 120W (12V) / 240W (24V)
- Brightness Grade: 256 levels
- Brightness Shortcut: 6 levels
- Working Temperature: -30°C to 80°C
- Dimension: 87x21x8.5mm with 120mm AWG16 Red / Black cables at both ends
- Weight (N.W.): 19g

RF Remote:

- Working Voltage: 3V (battery CR2025)
- Working Frequency: 433.92MHz
- PWM Frequency: 1 KHz
- Remote Distance: within 15M in an open area
- Working Temperature: -30°C to 80°C
- Dimension: 40x86x6.5mm
- Weight (N.W.): 16g

Total Weight (G.W.): 42g

1 year warranty



All Trademarks Acknowledged

Functions and Operating Instruction

A: Please note

- a) The LED Dimmer/ Receiver operates on 5V to 24V DC (Ensure that the LED DRIVER and LED STRIP operate at the same voltage)
- b) The LED Dimmer/ Receiver only supports CONSTANT VOLTAGE LED DRIVERS
- c) Ensure that the LED DRIVER is suitable to power the length and type of LED
- d) For proper operation with the remote control. Do NOT enclose the LED Dimmer/ Receiver in metal e.g. metal trucking
- e) Ensure that the LED Dimmer/ Receiver unit is installed in a good heat dissipation environment to avoid overheating. Keep the unit away from moisture.

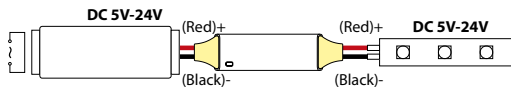


Fig. 1

B: Wiring

The LED Dimmer/ Receiver is wired in between the LED DRIVER and LED STRIP. Install the LED Dimmer/ Receiver in accordance with the wiring diagram (fig 1). Please pay attention to polarity. RED = positive (+), BLACK = negative (-). Ensure that the mains power is OFF and cannot be connected unexpectedly during installation.

C: The LED Dimmer/Receiver Status Indicator

The LED Dimmer/Receiver has output short circuit, overload and overheat protection function, if the LED Dimmer/ Receiver stops working please check the circuit for a short circuit or overload.

The full colour status indicator - displays all working statuses of the controller. It indicates different functions as below. The controller will automatically recover from the protection mode when a good working status is restored.

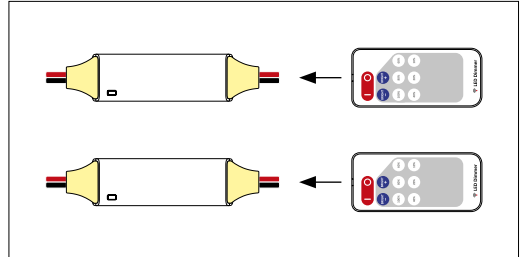
Blue	Normal working
White Flash – Short Single	New command received
Yellow Flash – Long Single	Reached brightness limit
Red Blinking	Overload/short circuit protected
Yellow Blinking	Overheat protected

OPERATING INSTRUCTIONS

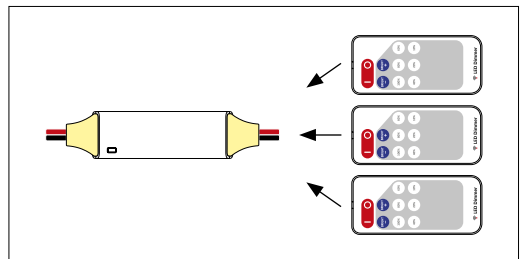
A. Remote Battery

Please remove the battery installation tag before use. The remote control uses a CR2025 cell battery; it can last for up to 2 years with normal usage.

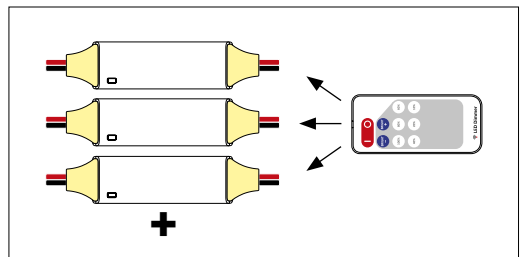
B. Pairing New Remote



One remote per device.



Up to three remotes per device.



One remote to control multiple devices.

To pair a new remote control:

- 1). Turn OFF the mains power to the LED DRIVER and turn ON after 5 seconds.
- 2). Press the '100%' and '60%' keys simultaneously within 5 seconds of power ON, the indicator will flash white 3 times to confirm the command has been accepted, the LED Dimmer/ Receiver will now function with the new remote control. Only the last three paired remote controls will be recognised.