



PLEASE READ BEFORE USE

integral[™] LED

IP20

ILRC033_V1

Integral LED RF + WIFI Receiver ILRC033



WARNING

DO NOT CONNECT THE RECEIVER DIRECTLY TO A MAINS SUPPLY.

DO NOT INSTALL PRODUCT WITH METAL BOX WHICH CAN AFFECT THE SIGNAL TRANSMISSION.

THE RECEIVER MUST ONLY BE CONNECTED TO A SUITABLE DC12-24V LED DRIVER.

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: -20°C to 50°C
- Limited 5 Year Warranty. This LED Receiver is for indoor use only. Improper installation, abuse or miss-powering of the receiver or failure to use the receiver for its intended use will void the warranty. Proof of purchase is required for all returns. Your statutory rights remain unaffected.

Please see www.integral-LED.com/warranty.

Questions? Please contact your supplier or see integral-LED.com

1. INTRODUCTION

The Integral ILRC033 RF + WIFI Receiver is designed to work with single colour LED strip, colour temperature changing LED strip, RGBW LED strip and RGB+CCT LED strips controlled via TUYA app and/or your selected handheld or wall-mounted control devices. Depending on the strip you select, you can choose RF single colour remote (ILRC020 or ILRC032), or RF colour-temperature-changing remote (ILRC021 or ILRC022), or RF RGBW remote (ILRC015, ILRC016, ILRC017, ILRC018, ILRC019) to work with ILRC033 receiver.

2. PARAMETER

- Compatible control device: ILRC015, ILRC016, ILRC017, ILRC018, ILRC019, ILRC020, ILRC021, ILRC022 and ILRC032
- Input Voltage: 12-24VDC, Constant Voltage
- Output Current: Max 20A, 4Ax5CH
- Output Power: Max 240W(12v)/480W(24v)
- RF frequency: 434/869.6/916.5MHz
- IP rating: IP20
- Working Temperature: -20°C to 50°C
- Dimensions: L145xW46.5xH16mm
- Weight (N.W.): 78g

3. OPERATING INSTRUCTIONS

Match RF Receiver with RF remote/RF wall-mounted touch remote:

For multi-zones: Switch on the remote/wall-mounted touch remote. And short press the "Learning Key" button on receiver, then immediately press a zone number on remote/wall-mounted touch remote and then touch the colour wheel to match the receiver to the specified zone. When the LED strips connected to the receiver flash, the remote/wall-mounted touch remote and receiver to the specified zone are now matched and activated.

For a single zone: Switch on the remote/wall-mounted touch remote. And short press the "Learning Key" button on receiver. Then touch the colour wheel or slider bar on the remote/wall-mounted touch remote, or press any button when using a button remote. When the LED strips

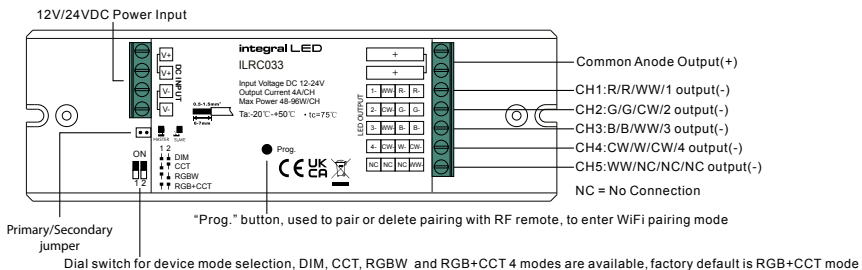
connected to the receiver flash, the remote/wall-mounted touch remote and receiver are now matched and activated.

Note: One receiver can be matched up to max 8 remotes/wall-mounted touch remotes.

Cancel the matching: Press "Learning Key" button on the receiver for more than 3 seconds until the LED strips connected to the receiver flash.

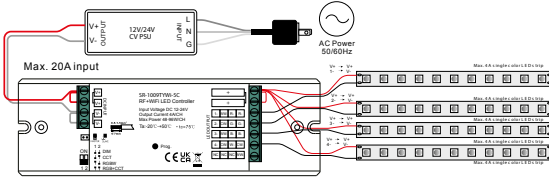
Primary/Secondary jumper: In a group of multiple receivers, in order to get a good sync of RGBW running effect, please set ONLY ONE receiver as Primary, the other receivers as Secondary. The maximum sync distance between the Primary receiver and any Secondary receiver is 30 metres.

After the Primary is set, switch off the Primary receiver and then switch on, to activate the Primary function.



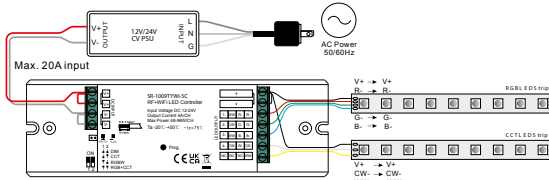
4. WIRING DIAGRAM:

With single Colour LED Strip



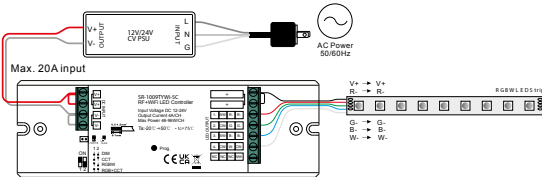
Note: please make sure the dip switches are at position for DIM mode as shown in above diagram.

With Colour temperature changing LED Strip



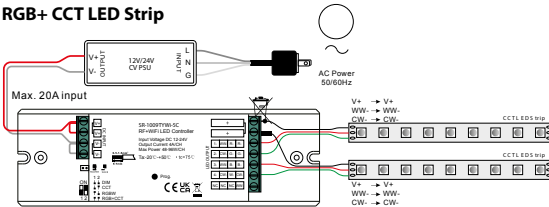
Note: please make sure the dip switches are at position for RGB+CCT mode as shown in above diagram.

With RGBW LED Strip



Note: please make sure the dial switches are at position for RGBW mode as shown in above diagram.

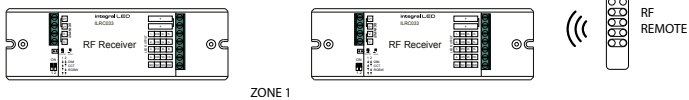
With RGB+ CCT LED Strip



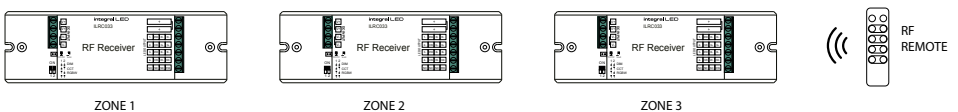
Note: please make sure the dial switches are at position for CCT mode as shown in above diagram.

Using multiple receivers, there are two options to set up.

Option 1: Match all receivers to the same zone. For example, match all receivers to zone 1. The LED strips connected to the receivers matching to zone 1 will run the same colour and colour effect.



Option 2: Match all receivers to different zones. For example, match receivers to zone 1, 2, 3 or 4. The corresponding LED strips connected to receivers in different zones will run different colours and colour effects based on the individual zone setting.

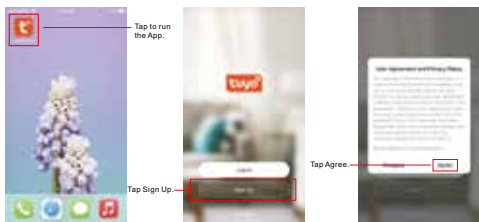


5. OPERATION:

1. Do wiring according to wiring diagram.

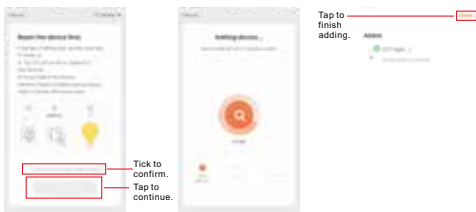
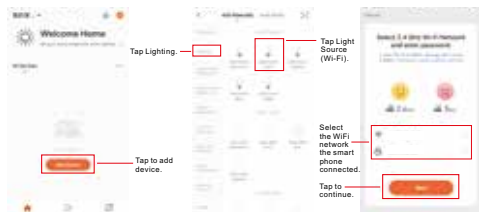
2. Pair the WiFi LED controller to the smart phone or tablet:

Step 1: Download the "TuyaSmart" APP from APP store or google play, and register an account as instructed, then log in the account. Please enable bluetooth on your smart phone in advance.

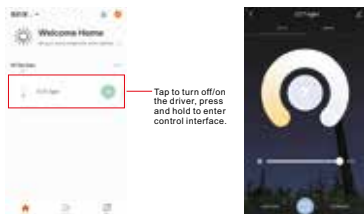


Step 2: Short press the "Prog" button 5 times continuously (or reset power of the controller 5 times) to reset the WiFi LED controller and set it to WiFi pairing mode, LED light will blink rapidly, then tap "Add Device" to pair the WiFi LED controller to the smart phone.

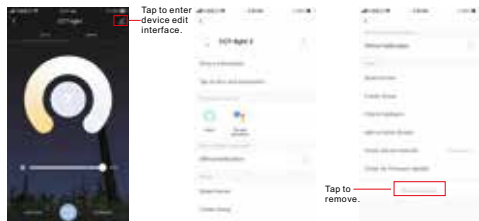
Step 3: Confirm that the driver is set to pairing mode and LED light blinks rapidly. Connecting starts, the WiFi LED controller will appear on the APP interface once added successfully.



Step 4: You can control the WiFi LED controller through the APP.



3. Remove the WiFi LED controller from the APP interface.



4. Pair the LED Controller with an RF Remote (please refer to user manual of corresponding RF remote):

Step 1: activate the RF remote by short pressing ON button.

Step 2: select a zone on the RF remote by short pressing the zone number if it is a multi-zone remote.

Step 3: short press "Prog." key on the LED controller (or reset power 3 times) to set it to RF pairing mode.

Step 4: immediately touch the color wheel or short press any other button except on/off button on the remote.

Step 5: LED lights connected with the controller blinks once to indicate successful pairing.

5. Delete Pairing to RF Remotes

Step 1: press and hold the "Prog." button for over 3 seconds until the connected LED lights blink, which means the pairing is deleted successfully.

WASTE ELECTRICAL PRODUCTS SHOULD NOT BE DISPOSED OF WITH HOUSEHOLD WASTE. PLEASE RECYCLE WHERE FACILITIES EXIST. CHECK WITH YOUR LOCAL AUTHORITY FOR RECYCLING ADVICE.



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