

HX-SZ100-TOUCH V4.0

Category: RGBW Controllers

Source model: HX-SZ100-TOUCH V4.0

Internal reference: HOION-CTRL-051

Product Overview

LED RGB Controller with RF full touch remote control

HX-SZ100-Touch, adopts the advanced micro control unit, it is used for controlling a variety of lamp whose source of light is LED. For instance, point source of light, flexible light strip, wall washer lamp, glass curtain wall light and so on; it has many advantages such as touch remote control, easy connection and simplicity to use. Meanwhile, you can adjust brightness, static color choices and various dynamic changes in lighting effects thro

Technical Details

Product Features

HX-SZ100-Touch is constant voltage, suit for all kinds of the constant voltage LED RGB lamps.

There is a RF remote touch control 5 functions, 1 color ring and 1 color sense lamp in the center, all buttons are in the touch form, the color ring have 128 levels in different colors.

There is a sense light ring in the remote control's center. It shows the color when different colors been touched, as the LED lamps is the same color.

There are 10 modes in total, including white static colors and 9 dynamic modes. The brightness of all static color and the speed of the dynamic modes are adjustable.

In order to achieve the synchronization of more lamps, RGB Amplifier can be used.

2-year warranty.

Technical Parameters

| Working temperature | -20-60℃

| Supply voltage | DC12V~24V

| Output | 3 channels

| Connecting mode | common anode

| External dimension | L127*W41*H32 (mm)

| Packing size | L147*W85*H73 (mm)

| Net weight | 280g

| Gross weight | 340g

| Output gray | 256 levels 1/4 RGB each 1/4

| Output current | <6A(each channel)

| Output power | 12V:<216W, 24V:<432W

| Frequency of RF remote control | 433.92MHz

Interface Specifications

Power and Payload interface:

Adopt male and female connector with screw.

Direction for use

Adopts RF touch control, with one color ring and 5 function buttons.

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Tips: Without any operation more than 20 seconds, the touch remote will enter the sleep state, please SHAKE the remote to wake up it before the next using.

The function of each button as below:

	Name of key	Instruction	Remarks
ON/OFF	ON or OFF in any time		
Pause	Pause or Continue		
Mode	The mode will go to next, when you touch the key each time	10 modes in total.	
Speed/Brightness +	The Speed/Brightness will add, when you touch the key each time	Speed for dynamic modes, Brightness for static modes.	
Speed/Brightness -	The Speed/Brightness will subtract, when you touch the key each time	Speed for dynamic modes, Brightness for static modes.	
Color Ring	Touch any color which you want		

10 modes in total as below:

	No	Patterns	Remarks
1	Static white	Brightness is adjustable	
2	White flash	Speed is adjustable, brightness is unadjustable	
3	White breath		
4	Three-color jump changing		
5	Seven-color jump changing		
6	Three-color gradient changing		
7	Seven-color gradient changing		
8	R/G cross fade		
9	R/B cross fade		
10	G/B cross fade		

RF CODE

Receiver can be controlled by any one the same remote as factory default; remote control delivered with unique RF code as factory default; if unique-control is needed, please matching the code before installation and using.

Matching code operation

If unique-control or new-coded-remote is needed, pairing the remote and the receiver as below operation instruction before using:

Step 1 : Pressing key “

Mode ” and hold on, power on the controller, the load LEDs will be 50% brightness white as responding.

Step 2 : Continuously to press the key

“Pause “ for 3 times within 5 seconds after step 1 ,the brightness of LEDs will change from 25% -10% as responding.

Code learning successfully, the LEDs will be back to the status before the power off, and the receiver only can be control by the remote.

If not, please re-operate from step 1 to 2.

Clear code operation

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Back to factory default, receiver can be controlled by any one the same remote control.

Step 1 : Pressing key “

Mode ” and hold on, power on the controller, the load LEDs will be 50% brightness white as responding.

Step 2 : Continuously to press

“

Speed/Brightness -

“ 3 times within 5 seconds after step 1 ,the brightness of LEDs will change from 25% -10% as responding.

Code clearing successfully, the LEDs will be back to the status before the power off, and the receiver can be controlled by any remote control(any one the same remote control can be used to clear the code).

4. If not, please re-operate from step 1 to 2.

Typical Applications

Application Circuit 1:

Product information for placing order

| Product name | Item number

| LED RGB Controller with RF full touch remote control | HX-SZ100-TOUCH

Source reference: <https://www.hoionlighting.com/products/LEDdiaoguangqi/RGBWkongzhiqui/2021/0419/358.html>