

HX-SZ600-WP86-RGB

Category: RGBW Controllers

Source model: HX-SZ600-WP86-RGB

Internal reference: HOION-CTRL-054

Product Overview

LED RGB controller with RF wireless full touch wall panel

HX-SZ600-WP86-RGB, adopts the most advanced PWM (Pulse Width Modulation) digital control technology, it is used for controlling constant voltage LED RGB lamps. For instance, point source of light, flexible light strip, led modules, led strings and so on; It belongs to low-voltage DC power input and output with four interfaces, including + V is extremely common interfaces, the other three for the RGB control interface. Meanwhile, you coul

Technical Details

Product Features

Designed for RGB constant voltage LED lights, Working voltage DC12-24V.

Three channels output, Max. load current: 3CH*10A; Max. load power:360W/12V; 720W/24V.

Adopts full-touch wall panel remote control with fashion appearance, no need line-of-sight. Control range up to 20 meters. The working voltage of wall-panel is AC90-265V.

Structure/dimension/installation of the wall panel according to the 86-type European standards.

Memory function, each time power-on reserve the mode which stop in the last power-down.

The brightness of static color is adjustable, 256 levels in total; the speed of dynamic changes is adjustable, 100 levels in total.

Long-press the brightness and speed key can get the fast adjustment, convenient for operation.

Multiple controllers can work synchronically when connected by network cable through the RJ45 connector, the network cable between 2 ports up to 100 meters.

Warranty of this product is two years, exclude the artificial situation of damaged or overload working.

Technical Parameters

Controller

| Working temperature | -20-60℃ | Supply voltage | DC12V-24V

| Static power consumption | <1W | Connecting mode | Common anode

| Grayscale | 256 levels | Speed stage | 100 grade

| External dimension | L91*W88*H24 mm | Packing size | L102*W102*H66 mm

| Net weight | 280g | Gross weight | 300g

| Mode | 10 | RF distance | ≤20m

| RF frequency | 433.92Mhz | Memory function | support

| Output | 3 channels | Output current | ≤10A(each channel)

| PWM frequency | 400Hz | Max. Output power | 12V:<360W, 24V:<720W

Remote control

| Ambient temperature | 0-45℃ | Working voltage | AC90-265V(50/60Hz)

| Standby power | 0.2W | Working power | 2W

| Net weight | 130g | RF frequency | 433.92MHz

HX-SZ600-WP86-RGB

| Dimension | 86*86*34mm | RF distance | ≤20m

| Structure | 86-type European standard

Interface Specifications

RGB Connection: V+ → COM → CH1 → R → CH2 → G → CH3 → B

Direction for use

Connect the load wire at first, followed by the power wire; Please ensure short circuit can not occur between wires before turning on the power.

Adopts RF full touch wall-panel remote control, with one color ring and 5 function buttons.

The signal light flash-- represents the signal has been sent well;

The function of buttons are shown as below:

The function of each button as below:

Name of key	
Instruction	
Remarks	
ON/OFF	ON or OFF in any time
Mode	The mode will move to next, when touch the key each time 9 modes in total.
Speed/Brightness +	The Speed/Brightness will +1, when touch the key each time Speed for dynamic modes, Brightness for static modes.
Speed/Brightness -	The Speed/Brightness will -1, when touch the key each time Speed for dynamic modes, Brightness for static modes.
Color Ring	Touch any color which is wanted

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

Tips: Receiver can be controlled by any one the same remote as factory default; the wall-panel 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

HX-SZ600-WP86-RGB

"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

"ON" for 3 times within 5 seconds , corresponding to the operation, the LED's brightness will change as 25%-10%-back to preset level.

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

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

1.Pressing key "

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

2.Pressing"

Speed/Brightness - "3times in 5 seconds, corresponding to the operation, the LED's brightness will change as 25%-10%-back to preset level.

3.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(anyone the same remote control can be used to clear the code).

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

Wall-panel Installation instruction

Typical Applications

Application Circuit 1: (V+→COM→CH1→R→CH2→G→CH3→B.)

Application Circuit 2:(Synchronization function with network Line 1/4)

Tips: The green signal indicator light will uniform flash with proper communication, and will off with any incorrect signal connection (like: poor contact, confused input and output, wrong wire order).

Source reference: <https://www.hoionlighting.com/products/LEDdiaoguangqi/RGBWkongzhiqi/2021/0419/361.html>