

## HX-SZ600-CT

### RF Touch Color Temperature Controller

HX-SZ600-CT, adopt the most advanced PWM (Pulse Width Modulation) digital dimming technology, especially design for color temperature adjustable led strip. Adopt full touch RF remote control. 5 function buttons and 1 color temperature ring in the center, all buttons are in the touch form, and the color ring has 128 levels in different color temperature value. Particularly, there is a sense light in the remote control center. It shows the exactly color which been touched. As the led strip is the same. Further, there are 7 modes in the mode button, and the speed is adjustable. The output current is 8A/channel, in order to achieve the synchronization of more led strip, it also can use the internet cable to make them in series connection easily.

Especially, HX-SZ600-CT designed with Synchronization function. It is convenient to use RJ45 connector to connect the multiple controllers together, and achieve the synchronization function of thousands meters led strips.



## Product Feature

- Adopt PWM technology, and the color temperature ring in the center has 128 levels in different color temperature value, smooth and flicker-free.
- Output two channels ,each allow a maximum current of 10A.
- High watt output design, up to 2\*10A.

- Easy connection to achieve multiple dimmers sync-work by RJ45 terminal.
- Update the HB terminal with plastic protect cap
- Adopt RF remote control technology and full touch design.
- 3-year warranty.

## Technical Parameters

### Controller:

<b>Working temperature</b>	-20-60°C	<b>Supply voltage</b>	DC12V-24V
<b>Static power consumption</b>	<1W	<b>Connecting mode</b>	common anode
<b>Grayscale</b>	256 levels	<b>Speed stage</b>	100 grade
<b>External dimension</b>	L91*W90*H24 mm	<b>Packing size</b>	L108*W108*H50 mm
<b>Net weight</b>	220g	<b>Gross weight</b>	255g
<b>Output</b>	2 channels	<b>Output current</b>	≤10A(each channel)
<b>Mode</b>	7	<b>Remote distance</b>	Up to 20M
<b>RF frequency</b>	433.92Mhz	<b>Memory function</b>	support
<b>Max. Output power</b>	12V/240W, 24V480W		

### Remote control:

<b>Working temperature</b>	-20-60°C	<b>Supply voltage</b>	4.5V ( AAA*3PCS)
<b>Standby current</b>	8uA	<b>Working current</b>	30mA
<b>Standby power</b>	36uW	<b>Working power</b>	135mW
<b>Net weight</b>	65g	<b>External dimension</b>	L150*W40*H20 (mm)
<b>RF distance</b>	≤20m	<b>RF frequency</b>	433.92MHz

## Interface Specifications



## Direction for use

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

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
<b>ON</b>	Turn on the device	
<b>OFF</b>	Turn off the device	

<b>Mode</b>	Each time press, the mode will move to next	7 modes in total.
<b>Speed/Brightness +</b>	Each time press, the Speed/Brightness will +1	Speed for dynamic modes, Brightness for static modes.
<b>Speed/Brightness -</b>	Each time press, the Speed/Brightness will -1	Speed for dynamic modes, Brightness for static modes.
<b>Color Ring</b>	Touch any color temperature which you want	

### 8 modes in total as below:

NO	Patterns	Remarks
1	CW and WW flash alternately	Speed is adjustable, brightness is unadjustable
2	CW and WW fade alternately	
3	CW and WW flash	
4	CW and WW fade	
5	WW flash	
6	WW fade	
7	CW flash	
8	CW fade	

## RF CODE

Receiver can be controlled by any one the same remote as factory default; full touch 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 “ON “ 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.

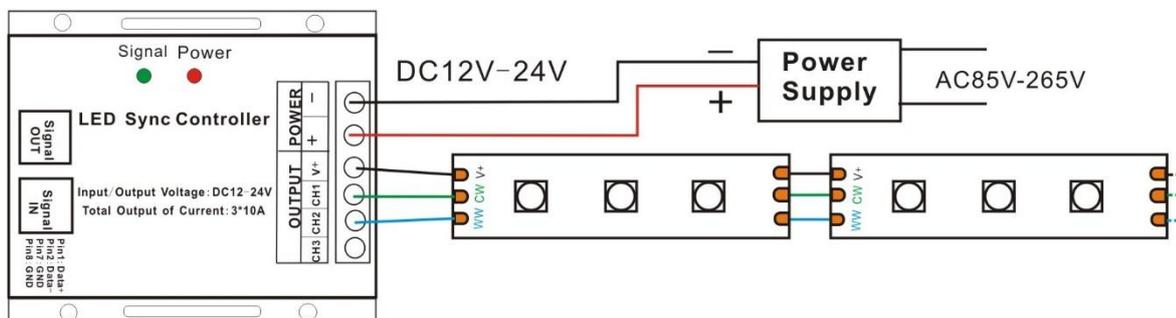
### Clear code operation

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

1. **Step 1:** Pressing key “Mode” and hold on, power on the controller, the load LEDs will be 50% brightness white as responding.
2. **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.
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(any one the same remote control can be used to clear the code).
4. If not, please re-operate from step 1 to 2.

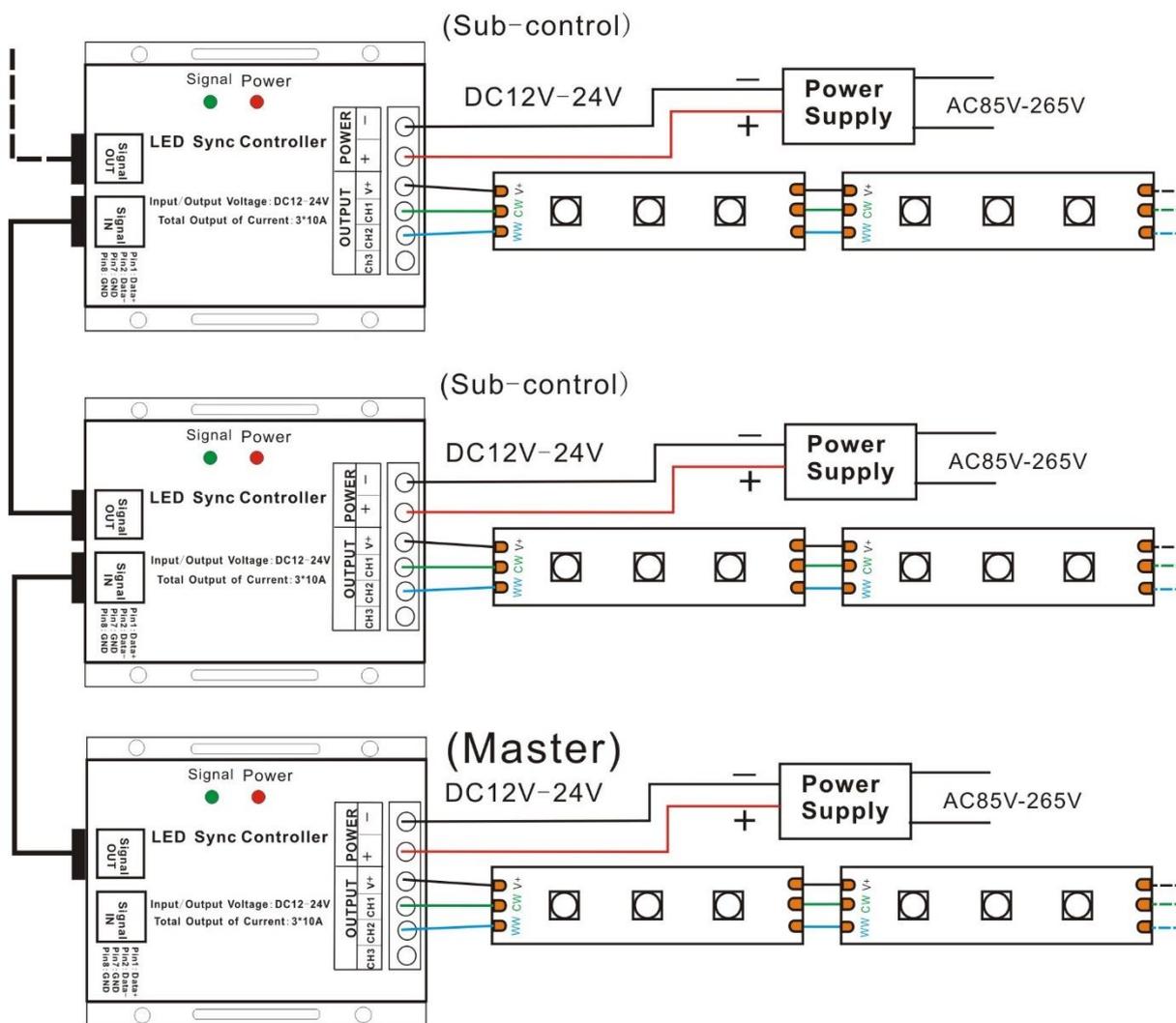
## Typical Applications

### Application Circuit 1:



### Application Circuit 2: (Synchronization function with network Line )

**Note:** 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).



Product information for placing order

Product name	Item number
<b>RF Touch Color Temperature Controller</b>	HX-SZ600-CT