RF Touch Control RGBW Controller

MODEL: LT-11S-RF

Summary

The RF Touch Control RGBW Controller uses the latest capacitance touch and wireless technology for easy installation and operation. It is designed to control constant voltage RGBW LED products. Multiple RGBW controllers can be connected and synchronized together in a "master-slave" functionality. Using CAT5 network cable, connect the RJ45 output port of the main controller (master controller) to the RJ45 input port of the secondary controller (slave controller). If multiple secondary controllers are needed, repeat the step above, as shown in the Wiring Diagram on page 3.

Safety Instructions

1. Save these instructions.
2. Read all the instructions thoroughly before commencing assembly or installation.
3. For indoor use only.
4. This product must be installed in accordance with the applicable installation code by a person familiar with the construction and operation of the product and the hazards involved.
5. Use only Class 2 non-dimmable power supplies.
6. Turn off all electrical power before modifying lighting system in any way.

On/Off — Pause
Color Wheel — Mode
Light Sensor
Speed/Brightness+ — Speed/Brightness-

Technical Parameters

Working temperature	-20-60℃
Supply voltage	12V/24V DC
Output	4 channels
Connecting mode	common anode
External dimension	L3⅝"*W3½"*H$^{15}/_{16}$"
Packing size	L4⅛"*W4⅛"*H2⅝"
Net weight	0.59lbs
Gross weight	0.67lbs
Output gray	256 levels (RGBW each)
Output current	<6(each channel)
Output power	12V:<288W, 24V:<576W
Frequency of RF remote control	433.9MHz

Note: The remote control uses 3pcs AAA batteries (sold separately).

The function of each button as below:

| Name of key	Instruction	Remarks
ON/OFF	Turn ON/OFF the LED light in any state	
Pause	Pause or Continue	
Mode	Will switch to next function every time you touch the key	21 modes in total.
Speed/Brightness +	The Speed/Brightness will increase, every time you touch the key	Adjusts speed for dynamic modes and brightness for static ones.
Speed/Brightness -	The Speed/Brightness will decrease, every time you touch the key	Adjusts speed for dynamic modes and brightness for static ones.
Color Wheel	Change to desired color	

External Dimension

Controller: L3⅝"xW3½"xH¹⁵⁄₁₆"

Remote control: L4½"*W2⅛"*H⅞"

¹⁵⁄₁₆"

3½"

3⅝"

4½"

2⅛"
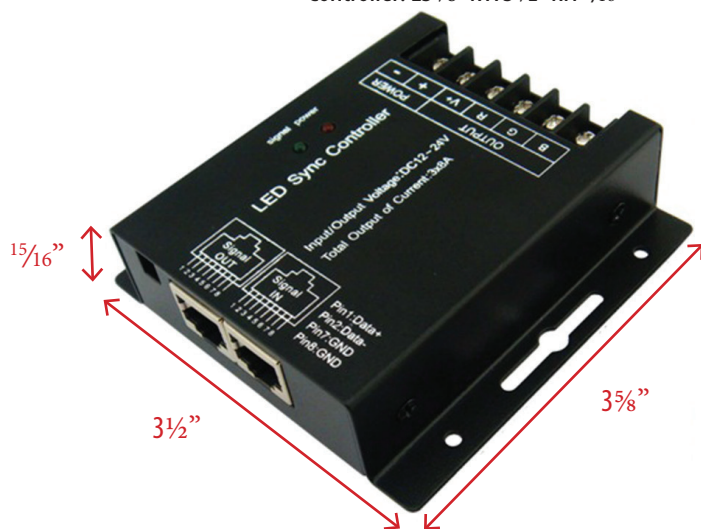
Interface Specifications
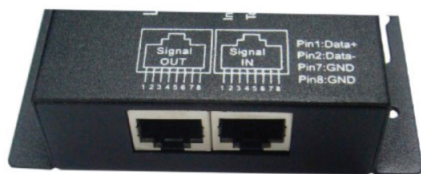
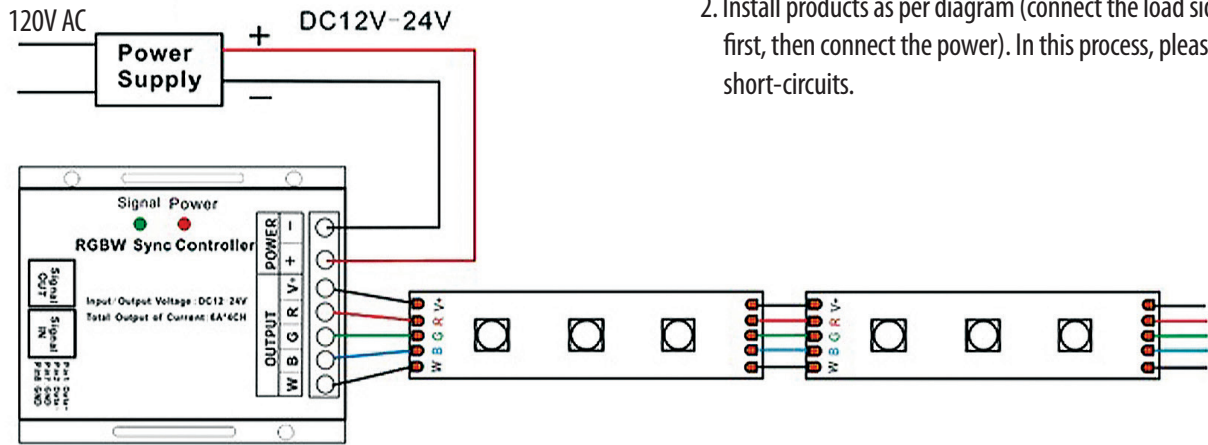
RJ45 network cable ports
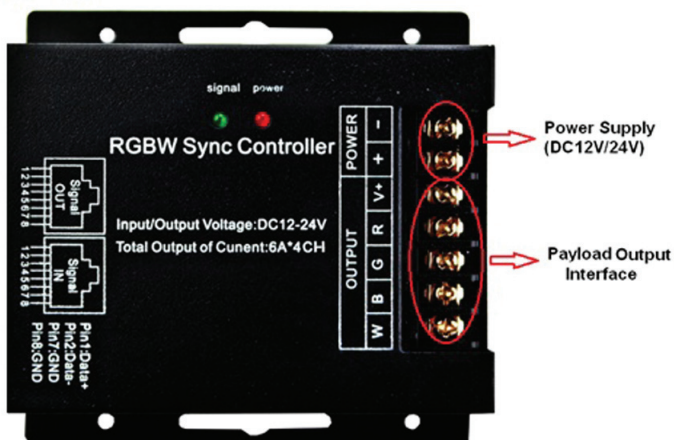
Power Supply (DC12V/24V)

Payload Output Interface

Typical Applications

Application Circuit 1:

NOTES: 1. Use only NSL non-dimmable 24V DC power supplies.
2. Install products as per diagram (connect the load side first, then connect the power). In this process, please avoid short-circuits.

Application Circuit 2: Synchronization function with Network Line (RJ45)

Secondary controller (slave)

Secondary controller (slave)

Master controller