

400 WATT 24V RGB CONTROLLER



Front View



Rear View

General Description:

The 400 Watt 24V RGB Controller has programmable variations of speed, flash and fade time of each pattern, capable of fading between 2 seconds, variable to 2 minutes. It has selectable RGB dimming modes, RGB roll mode, auto-run, DMX mode, slave mode, sound controlled mode, and special control mode. The total power consumption for all LED lights connected is 400 Watts. Connect up to 164 feet of RGB Rope or 65 ft. of Cove Lighting to this power supply. Additional units can be added to a second power supply and synchronized together.

Specification:

RGB Controller with Built-In Power Supply

No Additional Power Supply Required

Input Power: 100-240 VAC

Output Power: 4 x DC(24V x 4A)

400 Watt Maximum

Dimensions: 14.6 x 9.3 x 2.6 in.

Weight: 8 lbs

Programmable Speed Variations

Color Mixing - 16 Million Colors

Flash - Fade - Color Wash

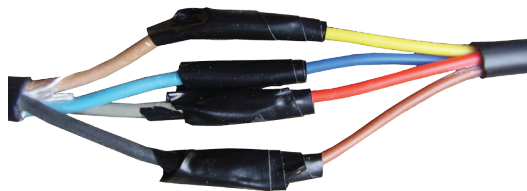
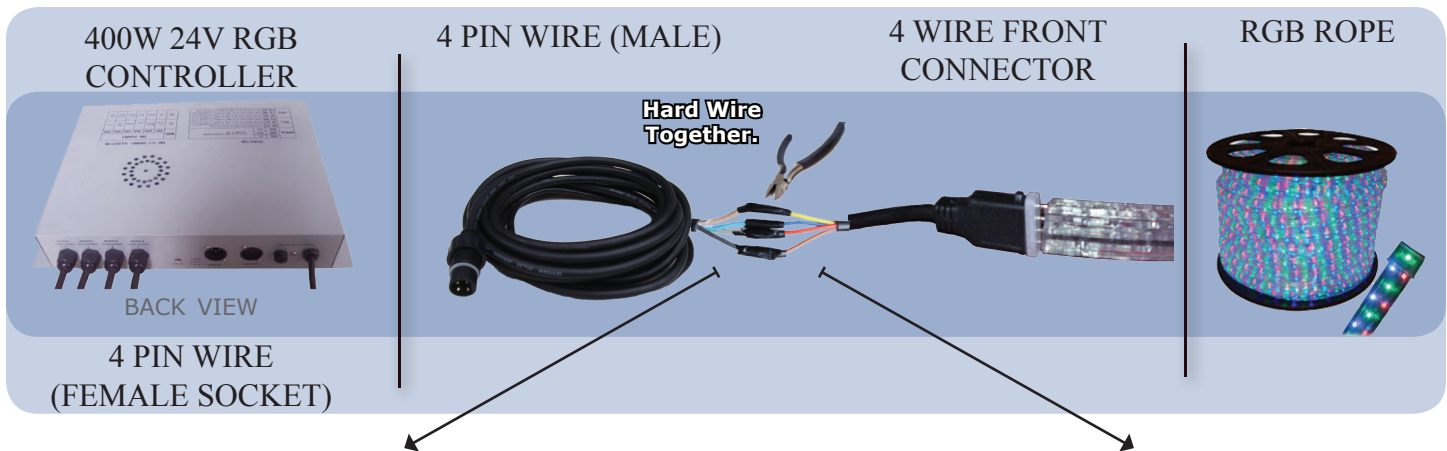
17 Built-in Programs - DMX - Master/Slave

400 WATT 24V RGB CONTROLLER

Wire Instructions for RGB Rope Light to 4 Pin Wire Cable:



The following is an example of how to wire a RGB Rope Light Front Power Connector to a **4 Pin Wire Cable** in order to have the light application controlled by RGB Controller with a built-in power supply. The **400 Watt 24 Volt RGB Controller** and **100 Watt 24 Volt RGB Controller** require a 4 Pin Wire male and female socket hook up.



Wiring the 4 Pin wire to the 4 Wire Front Connector:



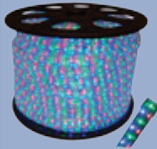
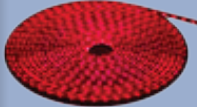
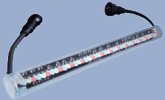
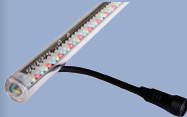

1. Connect the **BROWN** wire to the **YELLOW** wire.
2. Connect the **BLUE** wire to the **BLUE** wire.
3. Connect the **GRAY** wire to the **RED** wire.
4. Connect the **BLACK** wire to the **BROWN** wire.



NOTE: The Rope Light is polarized, so you will connect to the opposite end of the spool.

400 WATT 24V RGB CONTROLLER

Lighting Matrix:

CONTROLLER	POWER	RGB PRODUCT	CONNECTION
 <p>24V 400 Watt DMX Controller</p>	 <p>100 Watts Per Terminal</p>	 <p>100' RGB Rope Per Terminal 400' Total</p>  <p>33' Starstream Per Terminal</p>  <p>20 Of The Colortube 12 Per Terminal</p>  <p>8 Of The Colortube 39 Per Terminal</p>	 <p>Hard Wire</p>

Accessories: Front power connectors, end caps, mounting clips and leader cables.

400 WATT 24V RGB CONTROLLER

6 lighting effects modes:

There are six lighting effect modes via the RGB controller.

1. Solid Color Mode:

Press the mode button until you see a sideways T and numbers (usually 255). This will allow you to adjust the brightness level of the red, blue and green LED's of your fixtures. Press the up or down button to adjust the brightness of red. You have 0-255 levels of brightness.

Press the function button to adjust the brightness of green. Follow the same steps for blue.

2. Colorwash mode:

Press the button until you see SP on the LCD screen and a green dot on the roll line. Press the function mode to adjust the flash and speed of the effect. F stands for flash. For no flash effect, keep at 500. 501 to 599 increases the flash effect with 599 at the fastest. Press the function mode again to adjust the speed of the fade effect. When SP is on the screen, press the up button to increase the speed and the down button to decrease the speed. Press the up/down to put the fade effect on red, blue, green or RGB.

3. Color Change Auto mode:

Press the button until you see SP on the LCD screen and a green dot on the auto line. Press the function mode to adjust the flash and speed of the effect. F stands for flash. For no flash effect, keep at 500. 501-599 increases the flash effect with 599 at the fastest. Press the function mode again to adjust the speed of the effect. FD will appear on the screen. The lower the number, the slower the effect.

400 WATT 24V RGB CONTROLLER

Mode (continued):

4. Slave Mode:

Press the mode button until you see the slave effect. This allows the controller to be controlled by another power supply. You must connect a DMX cable in the DMX out of the Master controller to the DMX in of the Slave controller box.

5. DMX Mode:

Press the mode button to select the DMX mode. Press the function button to select a DMX address or put the DMX running mode into DMX P1 or DMX P2 mode.

6. Sound Mode:

Press the mode button to select the sound activation effect. SU will appear on the screen with sound sensitivity effects from 1-31. Press the up/down buttons to raise or lower the sound sensitivity effect.

DMX Value Chart

MODE	DMX CHANNEL					
	CH1	CH2	CH3	CH4	CH5	CH6
P1	Built-in 128 colors for choice	RGB dimming	strobe	No use	Fade time	No use
P2	RED	GREEN	BLUE	RGB dimming	Strobe	Fade time

400 WATT 24V RGB CONTROLLER

Five Main Functional Operations:

There are five main functional operation for the controller panel:

1. select color mode:

Press "color select" button, the corresponding small LED light is on, then you can press: RED, ORANGE, YELLOW, GREEN, CYAN, BLUE, PURPLE, MAGENTA, or WHITE to choose your preferable color.

You can adjust R G B brightness via "R" "G" "B" sliders.

2. select built-in programs mode:

Press "PROG SELECT" button, the corresponding small LED light is on, then you can select the built-in programs via "PROG SELECT" slider.

If you select R, G, B, RG, RB, GB, RGB, then adjust its brightness via "SPEED" slider.

If you select R CHANGE, G CHANGE, B CHANGE, RGB CHANGE dream fading, then adjust the running speed via "SPEED" slider, adjust the sensitivity level via "FLASH/SENSITIVITY" slider.

If you select "COLOR FADE", adjust the running speed via "SPEED" slider, adjust fading time via "FLASH/SENSITIVITY" slider.

If you select "SOUND", then adjust sensitivity level via "FLASH/SENSITIVITY" slider.

3. Auto Run mode:

Press "AUTO" button, the corresponding small LED light is on. Now you can change the running speed via "SPEED" slider, the frequency of flash via "flash/sensitivity" slider and the fading time via "PROG SELECT" slider.

400 WATT 24V RGB CONTROLLER

Five Main Functional Operations (continued):

4. SOUND ACTIVE Mode:

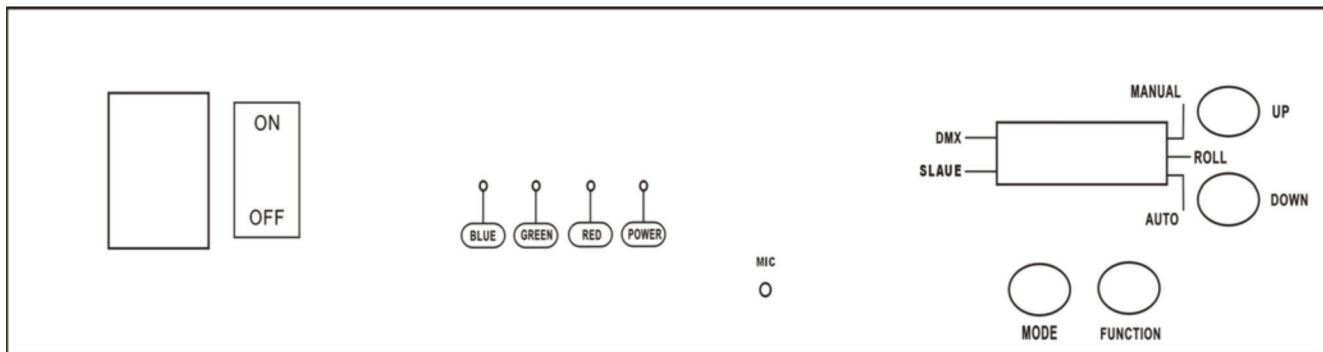
Press "SOUND ACTIVE" button, the corresponding small LED light is on. Then you can change the sound active sensitivity via "flash/sensitivity" slider. "PROG SELECT" slider and "SPEED" slider is no use now.

5. Press "HOLD":

The corresponding small LED light is on, then you can lock the current operation. Press again, then no "lock" situation.

Panel Diagrams:

Front Panel:



Rear Panel:

