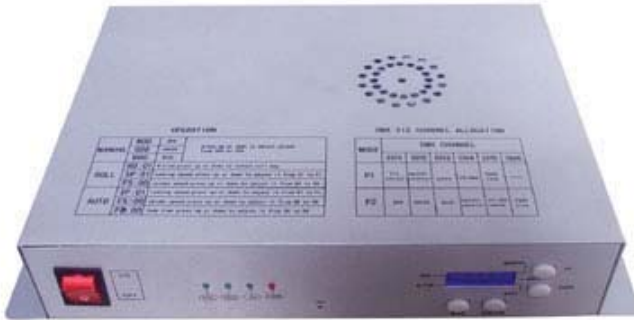


400 WATT 24V RGB CONTROLLER



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

RGB ROPE LIGHT

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



The following is an example of how to connect 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.

400W 24V RGB CONTROLLER



BACK VIEW

4 PIN WIRE (FEMALE SOCKET)

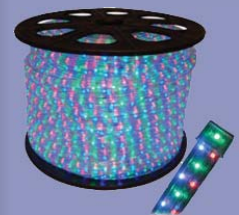
4 WIRE FRONT CONNECTOR



4 PIN WIRE (MALE SOCKET)



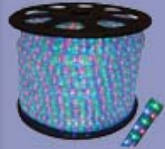

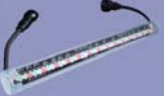


CONNECTOR TO RGB ROPE

RGB ROPE



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

Operation:

There are seven work modes, please find the following information for your reference:

1. RGB Dimming Mode:

A) Operation By DMX Multi Function Controller

1. Press "MODE" to select Manual mode.
2. Press "SET UP" to select "R" or "G" or "B".
3. Press "UP" or "DOWN" to adjust the brightness of R, G, B(0-255).

B) Operation By IR Remote

1. Press "R" or "G" or "B" into RGB dimming mode.
2. Press "+" or "-" to adjust the brightness of R, G, B(0-255).
3. Press "R" or "G" or "B" again or other keys, then exit RGB dimming mode.

2. RGB Roll Mode

A) Operation by DMX Multi function controller

1. Press "MODE" to select ROLL mode.
2. Press "SET UP" to select RGB dream fading, program running speed and flash.
3. Press "UP" or "DOWN" to select RGB or R or G or B dream fading program.

Press "UP" or "DOWN" to adjust the running speed (00-Full 100)

Press "UP" or "DOWN" to adjust the flash frequency.

B) Operation by IR remote

1. Press "SELECT PROG" to select ROLL mode.
2. Press "SPEED", adjust the speed via "+" or "-"
3. Press "FLASH", adjust the flash frequency via "+" or "-".
4. Press "FLASH" again or other keys, then exit "FLASH"

400 WATT 24V RGB CONTROLLER

Operation (continued):

3. Auto run mode:

A) Operation by DMX Multi function controller

1. Press "MODE" to select "AUTO" mode.
2. Press "SET UP" to select "SPEED", "FLASH" or "FADE".
3. Press "UP" or "DOWN" to adjust the running speed (00-Full 100).
Press "UP" or "DOWN" to adjust the flash frequency (00-99).
Press "UP" or "DOWN" to adjust the fading time.

B) Operation by IR remote

1. Press "AUTO RUN" to select AUTO mode.
2. Press "SPEED", adjust the speed via "+" or "-".
3. Press "FLASH", adjust the flash frequency via "+" or "-".
4. Press "FLASH" again or other keys, then exit "FLASH"

4. Slave Mode

A. Operation by DMX Multi function controller

Press "MODE" to select SLAVE mode, then you can go on the further operation.

B. Operation by IR remote

Press "SLAVE" to select SLAVE mode, then you can go on the further operation.

400 WATT 24V RGB CONTROLLER

Operation (continued) :

5. DMX MODE

A) Operation by DMX Multi function controller

1. Press "MODE" to select DMX mode.
2. Press "SET UP" to select DMX Address setting or DMX running mode "P1" or "P2"
3. Press "UP" or "DOWN" to set the DMX value (000-512).
Press "UP" or "DOWN" to select DMX P1 mode or DMX P2 mode.

B) Operation by IR remote

1. Press "DMX" to run DMX mode.
2. Press "DMX" again to set DMX address or choose DMX P1 or DMX P2.
3. Press "+" or "-" to choose DMX P1 mode or DMX P2 mode.
4. When it is in any mode:
You can set DMX address via "S" "0" "1" "2" "3" "4" "5" "6" "7" "8" "9" buttons for the LED lights by pressing these buttons.

:: *For example, set DMX address "245"*

1. Press "S" button, then the red LEDs are on, it means you can start to set address.
2. Press "2" button, then the green LEDs are on, it means "2" (hundreds place) setting successful.
3. Press "4" button, then the blue LEDs are on, it means "4" (tens place) setting successful
4. Press "5" button, then all the R/G/B LEDs are on, it means "5" (ones place) setting.
If all the RGB LEDs flash twice, then the DMX address setting successful, and DMX address will be memorized automatically.

400 WATT 24V RGB CONTROLLER

Operation (continued) :

5. DMX MODE (continued):

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

6. Sound Mode:

A) Operation by DMX Multi function controller

1. Press "MODE" to select DMX mode.
2. Set sensitivity level for sound-controlled mode via "UP/DOWN" buttons. (SU: 00-31)

B) Operation by IR remote

1. Press "SA" to select SOUND mode.
2. Adjust the sensitivity level (SU: 00-31) via "+" or "-".

7. Controller Panel Mode:

A) Operation by DMX Multi function controller

Press "MODE" to select DESK mode.

B) Operation by IR remote

Press "SET ADDR" and "6" "8" "9" to select DESK mode.

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:

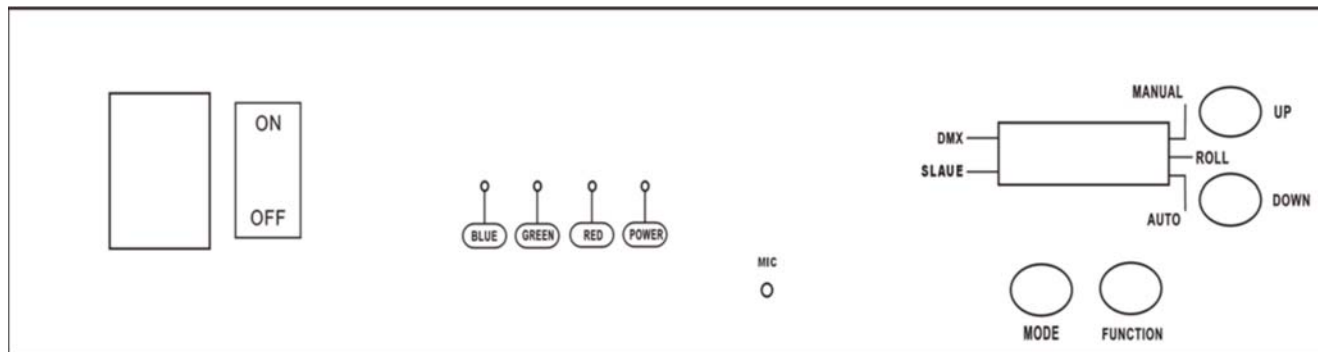
Press "SOUND ACTIVE" button, the corresponding small LED light is on. Then you can change the sound active sensitivity via "flash/sensitivity" slider. "PROG SELECT" slider and "SPEED" slider is no use now.

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:

