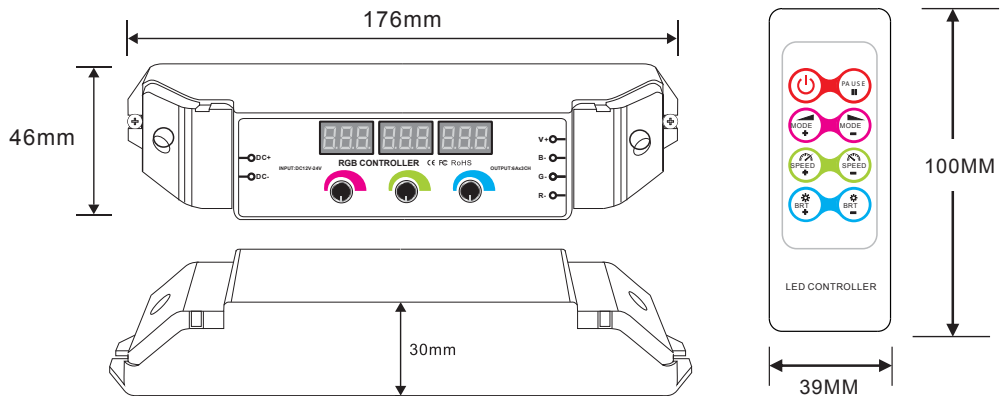


Characteristic



- **PWM (Pulse-Width-Modulation) controlling technology.**
- 37 changing modes such as skipping, smooth, etc. Plus each RGB has 4,096 grey scale levels.
- LED digital indicators display current mode, speed, brightness.
- Three rotary knobs allow to choose specific colors. Changing color is smooth without flickers.
- Save color automatically, can be adjusted by remote control.
- Over-current and short-circuit protection.
- Work with signal repeater/amplifier allow user to add unlimited LED lights.

Physical

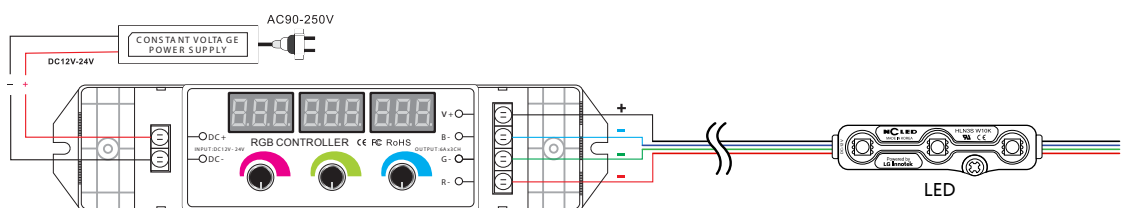


Model	Rotary RGB controller
Input voltage	DC12V-DC24V
Output current	6A/3CH
Output power	220W(12V)/440W(24V)
Scale levels	4096 level x3
Mode	37modes
Speed level	16 levels
Brightness level	16levels
Remote control distance	30m with obstacle, 60m without obstacle
Dimension	L176xW46xH30(mm)
Weight	160g

Installation

Connection diagram

1. Connection diagram to RGB LED.



Elite LED Supply, Inc

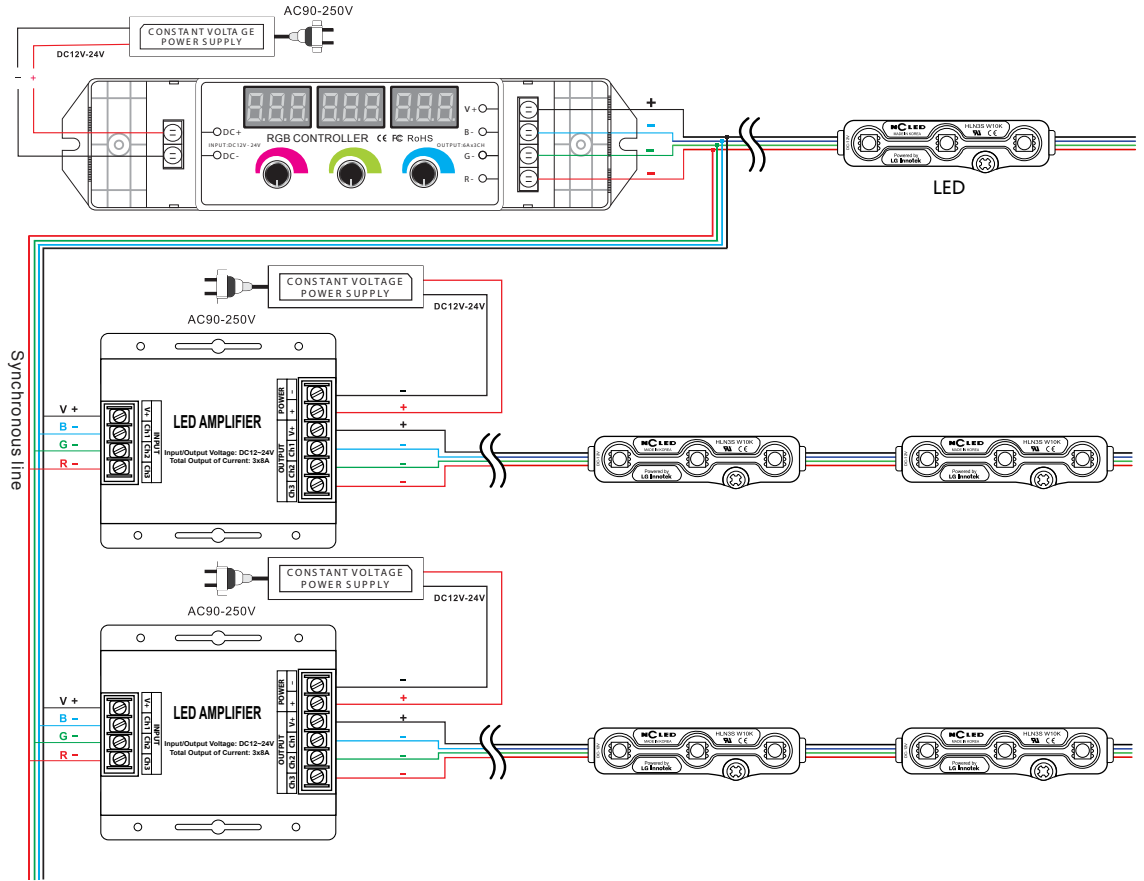
8720 Westpark Dr Ste B TX 77063

Tel:713-234-6579 Fax:832-886-5256 www.eliteledsupply.com



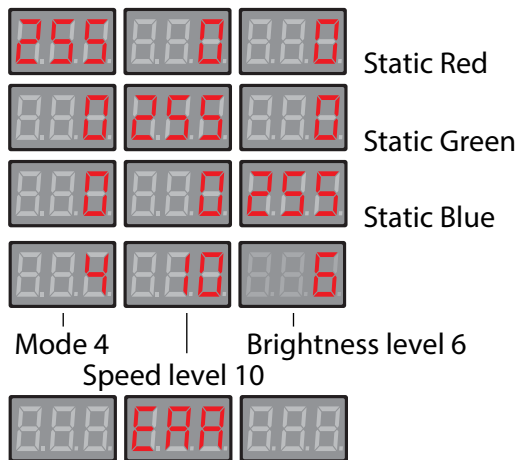
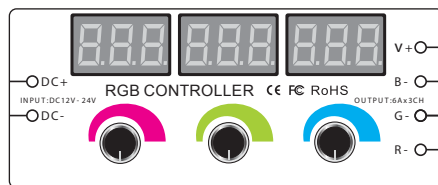
Installation
(Continued)

2. Connection diagram to RGB LED with signal repeater/amplifier.



Operation
Instructions

Three color rotary knobs output from 0-100% dimming on each color Red, Green and Blue. Giving user the option of over 16 million color choices with digital display to specify the exact brightness level. Digital display also indicates current mode, speed and brightness level when Dynamic mode is active.



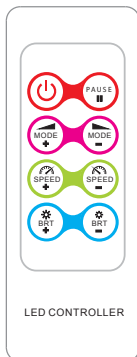
When it is overload or short-circuits, the controller automatically stops output, The indicator blinks "ERR" as above.

Operation Instructions (Continued)

Remote control pairing mode.

To pair a remote control to an RGB controller: Press and hold "ON/OFF " button until light flashes, then immediately press and hold "PAUSE" button until the light flashes again. The remote is successfully paired to the controller.

The 8 buttons on remote controller are: ON/OFF, PAUSE, MODE+, MODE-, SPEED+, SPEED-, BRT+, BRT-



Sign	Button	Description
	ON/OFF	ON/OFF: Turn on/off the controller Any button can start the controller at off status
	PAUSE	PAUSE: Press this button will rest at current color, press it again, will continue to change.
	MODE+	Mode+ : Press this button to select next mode
	MODE-	Mode-: Press this button & back to previous mode
	SPEED +	Speed+ : speed up. Press this button to select 1-16 speed changing levels.
	SPEED	Speed- : speed down. Press this button to select 1-16 speed changing levels.
	BRT+	BRT+ : Press this button to select 1-16 brightness adjustment levels. Brightness up.
	BRT-	BRT-: Press this button to select 1-16 brightness adjustment levels. Brightness down.

Table of changing mode

Mode No.	Model	Remark	Mode No.	Model	Remark
1	DIY static color		20	Cyan fading	Brightness, speed adjustable
2	Static red	Brightness adjustable	21	White fading	Brightness, speed adjustable
3	Static green	Brightness adjustable	22	RGB fading	Brightness, speed adjustable
4	Static blue	Brightness adjustable	23	Red green smooth	Brightness, speed adjustable
5	Static yellow	Brightness adjustable	24	Red blue smooth	Brightness, speed adjustable
6	Static purple	Brightness adjustable	25	Green blue smooth	Brightness, speed adjustable
7	Static cyan	Brightness adjustable	26	Red yellow smooth	Brightness, speed adjustable
8	Static white	Brightness adjustable	27	Green cyan smooth	Brightness, speed adjustable
9	3 color skipping	Brightness, speed adjustable	28	Blue purple smooth	Brightness, speed adjustable
10	7 color skipping	Brightness, speed adjustable	29	Red purple smooth	Brightness, speed adjustable
11	White strobe	Brightness, speed adjustable	30	Green yellow smooth	Brightness, speed adjustable
12	RGB strobe	Brightness, speed adjustable	31	Blue cyan smooth	Brightness, speed adjustable
13	7 color strobe	Brightness, speed adjustable	32	Red white smooth	Brightness, speed adjustable
14	White speed-up strobe	White strobe increasingly	33	Green white smooth	Brightness, speed adjustable
15	Red fading	Brightness, speed adjustable	34	Blue white smooth	Brightness, speed adjustable
16	Green fading	Brightness, speed adjustable	35	Yellow purple cyan smooth	Brightness, speed adjustable
17	Blue fading	Brightness, speed adjustable	36	Full color smooth	Brightness, speed adjustable
18	Yellow fading	Brightness, speed adjustable	37	Cycle mode	All recycling
19	Purple fading	Brightness, speed adjustable			

Troubleshooting

Problem	Cause	Solution
No Light	1.No power from the socket	1.Check the socket
	2.Reverse connection of power +/-	2.Modify the connection
	3.Wrong or loose connection	3.Check connection
Wrong color	4.Wrong wiring color	4.Re-wire RGB
Brightness of the LED is not even	5.Output wire too long, voltage drops	5.Reduce cable or use loop connection
	6.Wire gauge too small, voltage drops	6.Calculate the current, use bigger wire
	7.Power supplier overloads	7.Use higher wattage power supply
	8.Controller overload	8.Add a signal repeater
Mode doesn't change	9.The setting of speed is too low	9.Increase the speed
Can't be remote controlled	10.The battery has run down	10.Change battery
	11.Out of the controlling distance	11.Shorten the controlling distance