

RGB Controller V1.0

Please read this instruction carefully before commencing installation or using and retain for future reference, so as to ensure it is normal working conditions and its lifetime.



(Picture-1)

(Picture-2)

(Picture-3)

1. Feature of this LED controller:

This multi-functions controller which has digital indicating is specially designed to be used exclusively with LED lighting; its output has four wires three channels (common-anode):

- ✧ Touching Panel, easy for operating and safe.
- ✧ Aluminum alloy housing is good for heat spreading directly.
- ✧ DMX digital addresses setting and power off protecting
- ✧ Working style: (master and slaver connecting mode、DMX mode、

Independent mode)

- ✧ Gray glass 10 scale adjustable.
- ✧ Built in 10 set program
- ✧ Compatible with DMX512 signal, such as DMX 512 control.
- ✧ DMX dimmable and independent dimmable by pressing key

2. Specification:

- Input Voltage: AC110V-240V 50HZ/60HZ
- Output Voltage: DC110-240V
- Output power rate: 1000W/120V 2000W/230V
- Output current: ≤3A
- Output Connector: 4 channels. 4-pin cables
- Communication port: DMX512 communicate port (1:earth、2:Data-、3:Data+)
- Working temperature: 0 ℃~+35 ℃ (0 ℉ ~ +104 ℉)
- Net Weight: 0.7Kg
- Dimension: L160 mm * W147 mm * H42 mm
- Housing material: Silvery aluminum alloy

3. Panel of Controller:

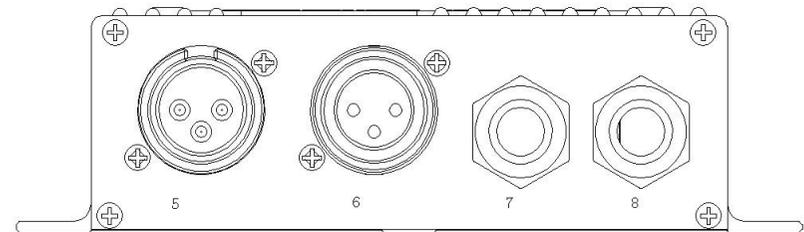
Operating panel



(Picture-4)

1-LED display window 2-Cursor bear left 3- Cursor bear right 4-data adjust

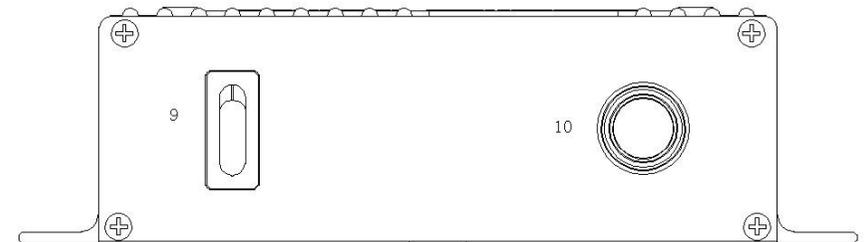
Back panel



(Picture-5)

5-DMX-IN 6-DMX-OUT 7-Power Cord 8-Output Cable

Front panel



(Picture-6)

9-Power switch 10-Fuse box

4. Operating instructions:

4-1, Independent mode: you can adjust the preset functions by buttons;



(Picture-7)

After take on the power, press the cursor key until the first seven-segment digital show " P " , it means it has been independent mode ; the second seven-segment digital shows is current function number inside (you could set different function running by " UP " key) , the third seven-segment digital shows current brightness or speed value of the function (adjust the value by " UP " key) . For detailed, please find the below explanation:

The second seven-segment digital		The third seven-segment digital
Function NO.	Function	
1	7 color fade	1-A class speed, from fast to slow
2	7 color change	1-A class speed, from fast to slow
3	7 color flash	1-A class speed, from fast to slow
4	Red	1-A class gray degree
5	Green	1-A class gray degree
6	Blue	1-A class gray degree
7	Yellow	1-A class gray degree
8	Purple	1-A class gray degree
9	Cyan	1-A class gray degree
A	White	1-A class gray degree

4-2, DMX mode: DMX console to control the light, referring to the manual of the relevant console for attaining more information.



(Picture 8)

Press the cursor key until the first seven-segment digital don't show "P " , it is into DMX address set , adjust the value by " UP " key. Each light occupies three channels, that is: red, green, blue, including the value of the initial channel. For example, address 001 occupies the channel 1, 2, and 3. Address 256 occupies the channel 256, 257, 258.

Note: after finished adjusting, leave the key alone for 5 second to exit the programming, the digital display stop flashing and memorize the selected parameters.

4-3, Master-slave: Sync functions:

- Connect all controller together with dmx cable, and choose anyone pcs as the master unit.
- set the address of master as 001, others are set as slave (other address can be other number except 001)
- Change function of the master (001) controller, then all controller will be work synchronously.

4-4, Working mode preference order:

DMX mode first, Master-slave second, last is independent mode

5. Caution:

- ✧ It can't be covered by any superstratum, it should be swept periodically to prevent dust.
- ✧ Keeping the controller away from temperature sensitive equipments, due to shell surface of controller would be more high temperature when it is working.
- ✧ This instruction is exclusive suit for our factory model. It would not be noticed if any contents has revised.
- ✧ The repairment and replacement must be carried out by qualified electrician.