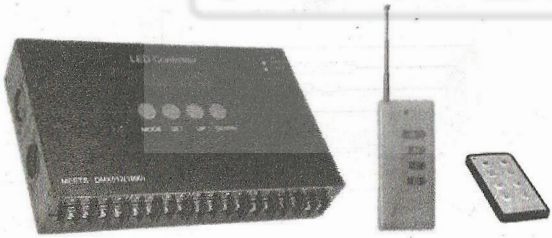
INSTRUCTION MANUAL

DMX512 LED Controller

SC-WC8☐ -B☐ -C☑



Please read the operating instructions and safety precautions carefully prior to usage of the suitcase and keep this instruction manual for future reference.

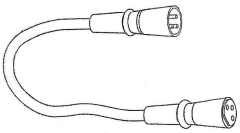
Introduction

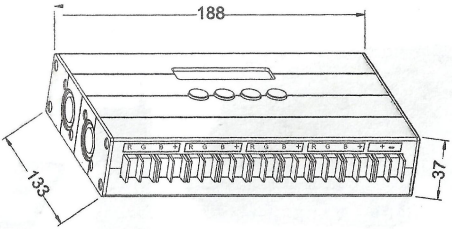
- Meet DMX512(1990) protocol. Can be used as a DMX512 decoder.
- A LCD screen shows controller current working status.
- 33 normal changing patterns and 2 DMX operating modes.
- 256 levels brightness , totally 16.77 million colors, real full color (up to 65536 levels).
- 0-255 changing speed levels for dynamic change
- RGB individual dimming function
- Automatic parameter memory
- XLR3 Male and Female interface

Specification

- Input Voltage: 12V/24V DC
- Input Signal: DMX512(1990)
- Output Channel: dimming up to12 channels
- Output Current: 5A/12VDC and 2.5A/24V DC for each channel
- Function: All 37 modes

Dimensions (Unit: mm)





Dynamic color changing patterns

1. Static Red
2. Static Green
3. Static Blue
4. Static Yellow
5. Static Purple
6. Static Cyan
7. Static White
8. 7-Color Jump
9. 6-Color Jump
10. 7-Color Flick
11. RG Jump
12. RB Jump
13. GB Jump
14. RGB Jump
15. RG Flick
16. RB Flick
17. GB Flick
18. RGB Flick
19. RGB Smooth
20. RG Smooth
21. RB Smooth
22. GB Smooth
23. RGB Gradual
24. RG Gradual
25. RB Gradual
26. GB Gradual
27. R Gradual
28. G Gradual
29. B Gradual
30. R DIM MODE
31. G DIM MODE
32. B DIM MODE
33. RGB mix

34. DMX512 Dimmer(1 Channal)
35. DMX512 Dimmer(3 Channals)
36. DMX512 Dimmer(12 Channals)
37. DMX512 Console model

Operation Descriptions

Working as a normal controller (no connection to DMX console)

Modes 1-7 are modes for static colors. With the modes, brightness or speed is not able to be adjusted.
Modes 8-33 are for dynamic color patterns. Brightness and speed levels can be programmed.

How to adjust speed -

Press key "MODE" to 8 to 33.
Step1:Press "SET" to set speed. Change value by "UP" and "DOWN" keys.
Step2:Press "SET" again to exit.

How to adjust brightness(dimming) -

Dimming red light:
User can adjust the brightness of R, and the value will display on LCD screen:
Step1:Press"MODE" to select mode 30
Step2:Press "SET" to set brightness of Red, change value by "UP" "DOWN" keys.
Step3:Press "SET" again to exit.

Dimming green light:
User can adjust the brightness of Green, and the value will display on LCD screen:
Step1:Press"MODE" to select mode 31
Step2:Press "SET" to set brightness of Green, change value by "UP" "DOWN" keys.
Step3:Press "SET" again to exit.

Dimming blue light:
User can adjust the brightness of Blue, and the value will display on LCD screen:
Step1:Press"MODE" to select mode 32
Step2:Press "SET" to set brightness of Blue, change value by "UP" "DOWN" keys.
Step3:Press "SET" again to exit.

Dimming RGB light:
User can adjust the brightness of R,G,B separately, and the value will display on LCD screen:
Step1:Press"MODE" to select Mode 33
Step2:Press "SET" to set brightness of Red, change value by "UP" "DOWN".
Step3:Press "SET" again to set brightness of Green, change value by "UP"/"DOWN".
Step4:Press "SET" again to set brightness of Blue, change value by "UP"/"DOWN".
Step5:Press "SET" again to exit.

Working with DMX console

Procedure to run dimming function:

Step 1: press "MODE" key to select mode 36.
(Be sure the console is already connected)

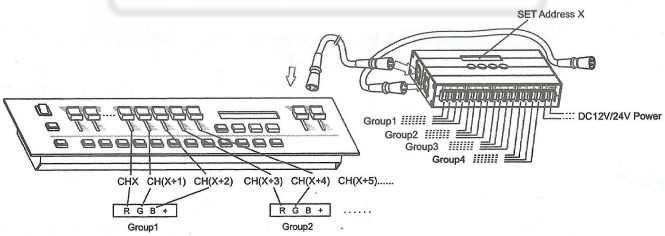
Step 2: press "SET" key to set receiving address code by "UP" and "DOWN" keys.

Step 3: press "SET" to confirm and exit.

Achieve dimming by DMX

In dimming mode,if the controller is fully connected with 4 groups of RGB products, then the controller occupies 12 channels.

1.If the address code is set as X, then the responding channels on console will be CHX, CH(X+1)..... CH(X+11). CHX dims Group 1 red light, CH(X+1) dims Group 1 green light, CH(X+2) dims Group 1 blue light. CH(X+3) dims Group 2 red light, CH(X+4) dims Group 2 green light, CH(X+5) dims Group 2 blue light.



2. To achieve: Multiple controllers work with console and synchronous dimming for each controller. The address codes for each controller should be the same. For instance, the address code is set as X, Then CHX on the console dims Group 1 red light, CH(X+1) dims Group 1 green light, CH(X+2) dims Group 1 blue light. CH(X+3)on the console dims Group 2 red light, CH(X+4) dims Group 2 green light, CH(X+5) dims Group 2 blue light.