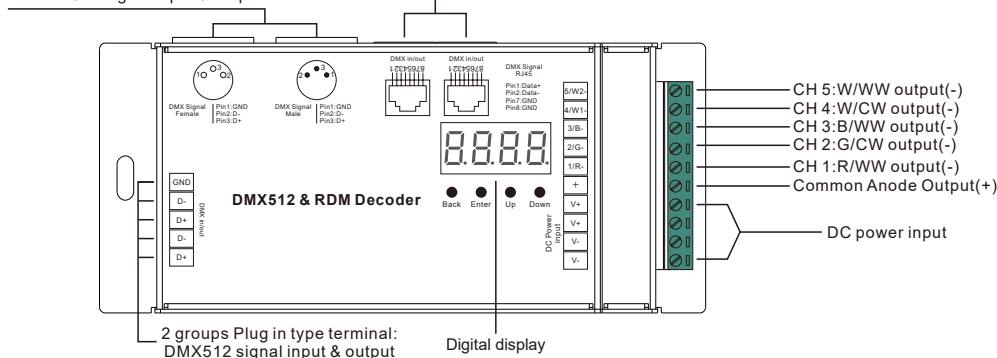


LUCETTA® 5CH RDM DMX512 Decoder

Important: Read All Instructions Prior to Installation

Function introduction

3/5 Pin male & female XLR terminal: DMX512 signal input & output
 2xRJ45 terminal: DMX512 signal input & output



Product Data

Input Voltage	Output Current	Output Power	Remarks	Size(LxWxH)	Protection
12-24VDC	5x8A	5x(96-192)W	Constant voltage	164x73x38mm	Short circuit
12-48VDC	5x350mA	5x(4.2-16.8)W	Constant current	164x73x38mm	Short circuit
12-48VDC	5x700mA	5x(8.4-33.6)W	Constant current	164x73x38mm	Short circuit

- Master & decoder mode, RDM function
- Metal housing, digital display to show data directly, easily to set and show DMX address.
- With multiple kinds of DMX in/out ports: RJ 45, XLR, normal screws.
- Total 5 PWM output channels, common anode. DMX channel quantity from 1CH-5CH settable
- PWM output resolution ratio 8bit, 16bit settable.
- Output PWM frequency from 500HZ ~ 35K HZ settable.
- Output dimming curve gamma value from 0.1 ~ 9.9 settable.
- Decoding mode settable.
- Galvanic isolation

Safety & Warnings

- DO NOT install with power applied to device.
- DO NOT expose the device to moisture.

Operation

Before you do other settings, please set the device to be Master or Decoder mode.

run1 = DMX Decoder mode, **run2** = DMX Master mode(stand alone).

Keep on clicking Down button, to get run1 or run2, then click Enter, then click Down button to choose 1 or 2, then click Back button.

I. For run2 DMX Master mode: Keep on clicking Up button, you will find following menus on display:

8888 Means brightness for each output PWM channel. First 1 means PWM output channel 1 and it is selectable from 1 to 5 by clicking "UP" or "Down" button. Second 01 means brightness level, click "Enter" button, the display flashes, then click "UP" or "Down" button to select from 00-99-FL, which means 0%-99%-100% brightness, then click "Back" button to confirm.



P.XXX Means programs, total 1~31 programs.

B-XX Means RGB running effect's brightness, total 1~8 levels brightness

SP-X Means effect play speed. total 1~9 levels speed.

P-XX means RGB color changing modes, total 31 programs:

- 00- RGB off
- 01- Static red
- 02- Static green
- 03- Static blue
- 04- Static yellow (50% red+50% green)
- 05- Static orange (75% red+25% green)
- 06- Static cyan (50% green+50% blue)
- 07- Static purple (50% blue+50% red)
- 08- Static white (100% red+100% green+100% blue)
- 09- Any two colors of RGB mix fade, changing diagram as follow:



11- RGB FADE OUT & FADE IN, changing diagram as follow:



13- RGB FADE IN, changing diagram as follow:



15- RGB 3 colors strobe

16- White color strobe (100% red+100% green+100% blue)

17- 7 colors FADE OUT & FADE IN (red, orange, yellow, green, cyan, blue, purple FADE OUT & FADE IN)

18- 7 colors jump changing (red, orange, yellow, green, cyan, blue, purple jump changing)

19- 7 colors strobe (red, orange, yellow, green, cyan, blue, purple strobe)

20- Red-white (100% red+100% green+100% blue) circle gradual changing

21- Green-white (100% red+100% green+100% blue) circle gradual changing

22- Blue-white (100% red+100% green+100% blue) circle gradual changing

23- Red-orange circle gradual changing

24- Red-purple circle gradual changing

25- Green-yellow circle gradual changing

26- Green-cyan circle gradual changing

27- Blue-purple circle gradual changing

28- Blue-cyan circle gradual changing

29- Red-yellow-green circle gradual changing

30- Red-purple-blue circle gradual changing

31- Green-cyan-blue circle gradual changing

II. For run1 DMX decoder mode: Keep on clicking Up button, you will find following menus on display:

DMX signal indicator **●**: When DMX signal input is detected, the indicator on the display following after **8** turns on red **8XXX**, if there is no DMX signal input, the indicator will not turn on, and the character **8** will flash.

8888 you will get this after power on the decoder, it means this decoder supports firmware OTA update function.

8.XXX Means DMX address. factory default setting is 001.

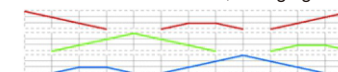
8HXX Means DMX channels quantity. factory default setting is Ch05.

88XX Means Bit (8bit or 16bit). factory default setting is 16bit.

8FXX Means output PWM frequency. factory default setting is 10K HZ.

8GXX Means output dimming curve gamma value, factory default setting is ga 1.5.

10- RGB colors mix fade, changing diagram as follow:



12- RGB jump changing, changing diagram as follow:



14- RGB FADE OUT, changing diagram as follow:

