

# Product Specifications

**MODEL : LEDM DMX RGB 4CH LCD**

## DMX Controller

Please read this instruction carefully before installation to ensure its normal working conditions and lifetime.



## Features

This multi-functions controller has LCD indicating is specially designed to be used exclusively with LED lighting, it's output has four wires three channels (common-anode).

- ✧ 2X16 bit LCD indicating working conditions
- ✧ Aluminum alloy housing for heat spreading directly.
- ✧ DMX digital addresses setting and power off protecting
- ✧ Working style: (master and slaver connecting mode DMX mode Independent mode )
- ✧ Grey glass 255 scale adjustable.
- ✧ Built in 8 sorts operating program.
- ✧ Compatible with DMX512 signal such as DMX 512 control.
- ✧ DMX dimmable and independent dimmable by pressing key
- ✧ It can be used same time when it was set as master and slaver connecting in huge power occasion.

## Specification

Input Voltage: AC 110V/60HZ; AC

230V/50HZ Output Voltage: DC 120/230V

Output power rate: 1000W/120V; 2000W/230V

Output Connector:4 channels. 4-pin cables

Communication port:DMX512 series communicate port ( three pin connector,1:earth、 2:Data-、 3:Data+ ) Working temperature:-20°C~+45°C , 10% ~ 90%RH

Net Weight: 1.1Kg

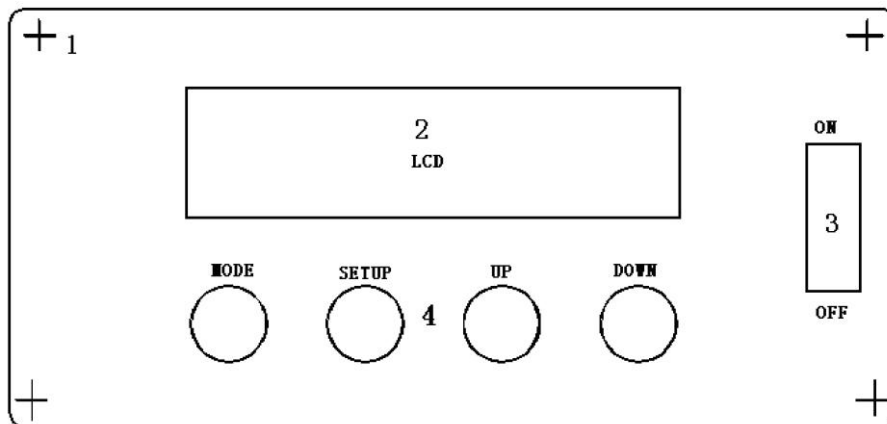
Dimension: L159mm \*W118mm \* H57mm

Housing material: Silvery/black painted steel and aluminum alloy for alternative

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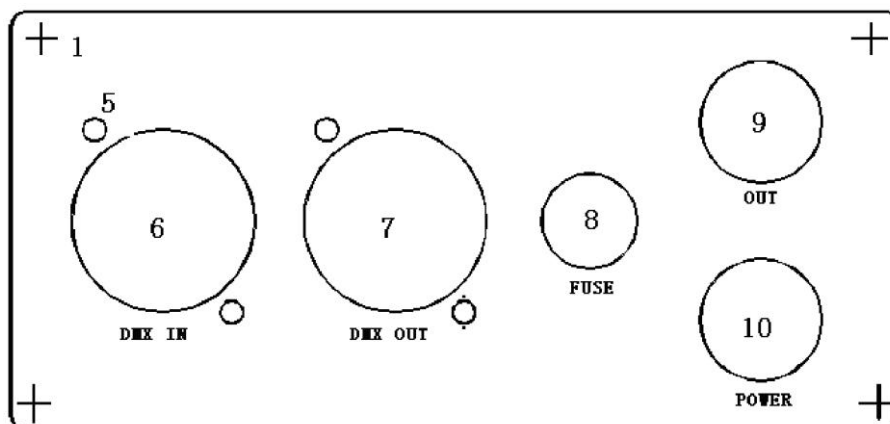
## Panel

Front panel



1-hole for assembling 2-LCD display window 3-switch 4-button

Back panel



5-DMX socket hole 6-DMX input 7-DMX output 8-fuse box 9-output cable 10-power cord

Key indicating : :

1. "MODE" : program setting
2. "SETUP" : Sub-menu
3. "UP": data +
4. "DOWN": data-
5. OUT: 4 channels for output
6. DMX IN: DMX input port
7. DMX OUT:DMX output port
8. POWER: power input

## Program Setting

Press "SETUP" key, then it can be changed circle from sub-menu, speed, auto-running times, the position of cursor flashing is the item which is to be setting now, then it can be changed the value by press "UP" or "DOWN"

Then the working condition is master status.

For example :

LCD indicating "09.COLOR FADE SPEED/001 NUM/08"

1. 09. COLOR FADE: 9th sub-program, color fade.
2. SPEED/001:Value of speed is 1

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3. NUM/08: It can be run into next program after 8 times circles in auto run program.

**09. COLOR FADE**  
**SPEED/001 NUM/08**

## AUTO RUN

It can run automatically according to default programs, then working condition is master, The “NUM”(circle times) can be set “0” if you intend to cut any sub-program for running in this mode.

**AUTO RUN**  
**= =PROG8-PROG18= =**

## DMX address setting :

Address scope:1-512 , press “UP” for data+ , press ”DOWN” for data-, when the DMX signal arrived “POWER “indicated lamp would be flash.

**DMX MODE**  
**DMX ADDRESS/008**

## Slave mode :

Selecting “SLAVE MODE”, then it works as slave mode synchronizing with master.

**SLAVE MODE**  
**=====**

## Double speed setting :

CH.: Adjusting double speed when it works under jumping changing program value from 1-255. 1 is fastest speed, 255 is slowest.

SLOW: Adjusting double speed when it works under fading changing program, value from 1-255

**DOUBLE SPEED**  
**CH./001 SLOW/001**

## DMX operating details:

It can receive 4 channels DMX signals , CH1is the beginning channel. ”SETUP”、”UP”、”DOWN” will not work under DMX mode. The 1<sup>st</sup> way DMX: Program selecting

The 2<sup>nd</sup> way DMX: Speed grade adjustment, it equal “R” push bar in DMX console The 3<sup>rd</sup> way DMX: it equal “G” push bar in DMX console .

The forth way DMX: It equal “B” push bar in DMX console

No	CH1		CH2	CH3	CH4
	DMX value	LCD Indicated			
1	000-041	BLACK OUT	-	-	-
2	042-83	7COLOR CHANGE	Speed ADJ	-	-

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3	84-125	COLOR FADE	Speed ADJ	-	-
4	126-167	SLOW COLOR	Speed ADJ	-	-
5	168-209	2COLOR CHANGE	Speed ADJ	-	-
6	210-251	AUTO RUN	-	-	-
7	252-255	LED DIMMER	R dimmer	G dimmer	B dimmer

## Symbol explanation

- ◇ SPEED/XXX: XXX is speed value
- ◇ Num/XX: XX is times in auto run mode
- ◇ N/X: X is the times in auto run.
- ◇ C1/R: it is the 1<sup>st</sup> color in two color change mode , total 8 sorts.
- ◇ C2/G: it is the 2<sup>nd</sup> color in two color change mode, total 8 sorts
- ◇ R/XXX: XXX is the R value(000-255)in dimmer mode
- ◇ G/XXX: XXX is the G value (000-255)in dimmer mode
- ◇ B/XXX: XXX is the B value (000-255) in dimmer mode.

## Cautions

1. The repairmen and replacement must be carried out by qualified electrician.
2. The working condition should be under temperature -20°C~+45°C,10% ~ 90%RH , no coagulation to ensure its lifetime.
3. Cut off electricity supply when repair and replace to prevent electric shock and short circuit.
4. Please assemble back all the parts correctly after repairing, it must be ensure that electrical and configure all conform requirements prior connecting load.
5. It can't be covered by any super stratum; it should be swept period to prevent dust.
6. Keeping the controller away from temperature sensitive equipment, due to shell surface of controller would be more high temperature when it is working.
7. This instruction is exclusive suit for our factory model; it would not be noticed if any contents have been revised.