

[illegible]

Available with wireless control and keying control on the changing modes, speed and brightness, automatic timing, and more than 580 modes for your choices.

Working Voltage	DC 12V (with an adapter to convert 100-240Vac to 12V dc)
Power Consumption	<2W
Output Signal	DMX512
Output Loop	1 Port
Transmission Speed	250 Kbps
Lighting Mode	580 Modes
Control Quantity	512 DMX Channels (170 pixels)
Working Temp	-30°C - 65°C
Dimensions	L163 x W108 x H40mm
Package Size	L260 x W132 x H46mm
Gross Weight	815g

- With a LCD screen, easy to operate in showing all functions
- Built-in perpetual calendar, real time display system clock, can be set up to play different programs in any time, Monday to Sunday or holiday
- 580 lighting modes, such as, 7 static colour, jumping synchronism, smooth synchronism, colour flow, colour chasing, colour smooth and flow and meteor shower trailing, etc.
- Multilevel changing speed, brightness, RGB grey scale adjustment and effect of movement direction for your choices
- It can define many changing modes into a step, 8 independent cycle steps maximum
- Output with international standard signal DMX512/1990, can control 512 DMX channels (170 full colour RGB pixels)
- Support different output ports like standard XLR-3, RJ45 and green terminals. etc
- With the functions of anti-interference and automatic breakdown recovery

Setting Key
Short press to switch 8 mode types;
Long press to switch 4 mode directions.

On/Off
Mode+/Mode-
Speed+/Speed-
BRT+/BRT-
Scene-save keys
Press 2s to save

The diagram shows a front view of the remote control with dimensions 108mm in height and 50mm in width. The button layout includes a top antenna, a power button (O), a function button (FUN), a directional pad (M+ M-), speed buttons (S+ S-), brightness buttons (B+ B-), and four scene-save buttons (M1, M2, M3, M4). A side view on the right shows a width of 15mm.

Canceling ID: Press any key on the remote **over 3 seconds**.

Operating Instructions

8 function keys on the controller: MODE+/ MODE-, SPEED+/SPEED-, BRT+/BRT- (brightness), SETUP, FUN (Function)

Table of Changing Modes.

No.	Color	Display	No.	Color	Display
1	Black ●	01 BLACK 2014- 11- 24 12 :00	16	Red/Purple ●●	16 R/P FLOAT SPEED : 8 BRT : 8
2	Red ●	02 RED FLOAT SPEED : 8 BRT : 8	17	Green/Yellow ●●	17 G/Y FLOAT SPEED : 8 BRT : 8
3	Green ●	03 GRN FLOAT SPEED : 8 BRT : 8	18	Green/Cyan ●●	18 G/C FLOAT SPEED : 8 BRT : 8
4	Blue ●	04 BLU FLOAT SPEED : 8 BRT : 8	19	Blue/Purple ●●	19 B/P FLOAT SPEED : 8 BRT : 8
5	Yellow ●	05 YLW FLOAT SPEED : 8 BRT : 8	20	Blue/Cyan ●●	20 B/C FLOAT SPEED : 8 BRT : 8
6	Purple ●	06 PUR FLOAT SPEED : 8 BRT : 8	21	Yellow/Purple ●●	21 Y/P FLOAT SPEED : 8 BRT : 8
7	Cyan ●	07 CYN FLOAT SPEED : 8 BRT : 8	22	Yellow/Cyan ●●	22 Y/C FLOAT SPEED : 8 BRT : 8
8	White ○	08 WHI FLOAT SPEED : 8 BRT : 8	23	Purple/Cyan ●●	23 P/C FLOAT SPEED : 8 BRT : 8
9	Red & White ●○	09 R/W FLOAT SPEED : 8 BRT : 8	24	Red/Green ●●	24 R/G FLOAT SPEED : 8 BRT : 8
10	Green/White ●○	10 G/W FLOAT SPEED : 8 BRT : 8	25	Red/Blue ●●	25 R/B FLOAT SPEED : 8 BRT : 8
11	Blue/White ●○	11 B/W FLOAT SPEED : 8 BRT : 8	26	Green/Blue ●●	26 G/B FLOAT SPEED : 8 BRT : 8
12	Yellow/White ●○	12 Y/W FLOAT SPEED : 8 BRT : 8	27	Red/Green/ Blue ●●●	27 RGB FLOAT SPEED : 8 BRT : 8
13	Purple/White ●○	13 P/W FLOAT SPEED : 8 BRT : 8	28	Yellow/Purple/ Cyan ●●●	28 YPC FLOAT SPEED : 8 BRT : 8
14	Cyan/White ●○	14 C/W FLOAT SPEED : 8 BRT : 8	29	Six Color ●●●●●●	29 SIX FLOAT SPEED : 8 BRT : 8
15	Red/Yellow ●●	15 R/Y FLOAT SPEED : 8 BRT : 8	30	All Color ●●●●●●○	30 ALL FLOAT SPEED : 8 BRT : 8

1-30 General Modes

[Attn]

How to select 7 static colors:

In the mode 2-8, select JUMP type and change the speed in Max. 8 or Min. 1.

For mode 1~30:

Press  or  to switch 8 mode types: JUMP,
(on controller) (on remote)

FLASH, SMOOTH, FADE, FLOW, CHASE, METEOR, FLOAT.

Adjust speed by press   or  
(on controller) (on remote)

For mode types FLOW/CHASE/METEOR/FLOAT,

press  or long press  to switch 4 directions:
(on controller) (on remote)

(↑) forward, (↓) reverse, (↖) close, (↗) split.

Adjust brightness by press   or  
(on controller) (on remote)

31	Play1 off	31 PLAY1 OFF 2014- 11- 24 12 :00	35	Play5 off	35 PLAY5 OFF 2014- 11- 24 12 :00
32	Play2 off	32 PLAY2 OFF 2014- 11- 24 12 :00	36	Play6 off	36 PLAY6 OFF 2014- 11- 24 12 :00
33	Play3 off	33 PLAY3 OFF 2014- 11- 24 12 :00	37	Play7 off	37 PLAY7 OFF 2014- 11- 24 12 :00
34	Play4 off	34 PLAY4 OFF 2014- 11- 24 12 :00	38	Play8 off	38 PLAY8 OFF 2014- 11- 24 12 :00

31-38: Automatic Change Modes

39	Play1-Play8	39 PLAY1- PLAY8 2014- 11- 24 12 :00
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39: Automatic Time Running Mode

Press "MODE+" / "MODE-" button to switch modes.

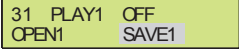
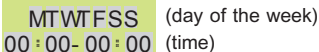
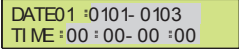
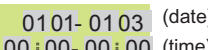
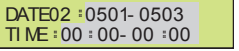
"Setup" Key Instructions

In the **mode 1-30**, press  button for 3 seconds to enter submenu, see the form below.

No.	Submenu Function (Press MODE+/- to Change Menu Below)	LCD Display	Setting Method
1	Pixel number choice (range 004~170) Color pixel length choice (range 08~64)		Press   to adjust pixel quantity Press   to switch items
2	Operation times choice (range 000~255)		Press   to adjust operation times. (only work between mode 31-38)
3	Recover to default mode		Press   to restore current mode to default.

press  to save and exit submenu.

In the **mode 31-38**, press  button for 3 seconds to enter submenu, see the form below.

NO.	Submenu Function (Press MODE+/- to switch)	LCD Display	Setting Methods
1	Setting switch state		Press   to switch items.  Press   to switch 2 options: ON/OFF Select "ON" to 39 automatic time running mode. Load the operation times of 1-30 modes, press   to confirm. Save the setting about the operation times, press   to confirm.
2	Setting operation week		Press   to switch items.  Press   to adjust value. (if you do not choose the Monday to Sunday, the screen will appear "_" the one mark) M Monday T Tuesday W Wednesday T Thursday F Friday S Saturday S Sunday
3	Operate time and date 1		Press   to switch items.  Press   to adjust value.
4	Operate time and date 2		Press   to switch items.  Press   to adjust value.

"Setup" Key Instructions Continued

NO.	Submenu Function (Press MODE+/- to switch)	LCD Display	Setting Methods
5	Operate time and date 3	DATE03 : 1001- 1007 TIME : 00 : 00- 00 : 00	Press   to switch items. 10 01- 10 07 (date) 00 : 00- 00 : 00 (time) Press   to adjust value.
6	System clock setting	DATE/ TIME SETUP 2012- 01- 01 12 : 00	Press   to switch items 2012- 01- 01 12 : 00 Press   to adjust value.
7	RGB sequence setting	RGB ORDER : RGB	Press   to choose the RGB sequence: RGB, RBG, GRB, GBR, BRG, BGR.
8	Modes restore default value	LOAD DEFAULT SET PRESS BRT+ - KEY	Press   to restore default value of the current setting automatic mode.

press  to save and exit submenu.

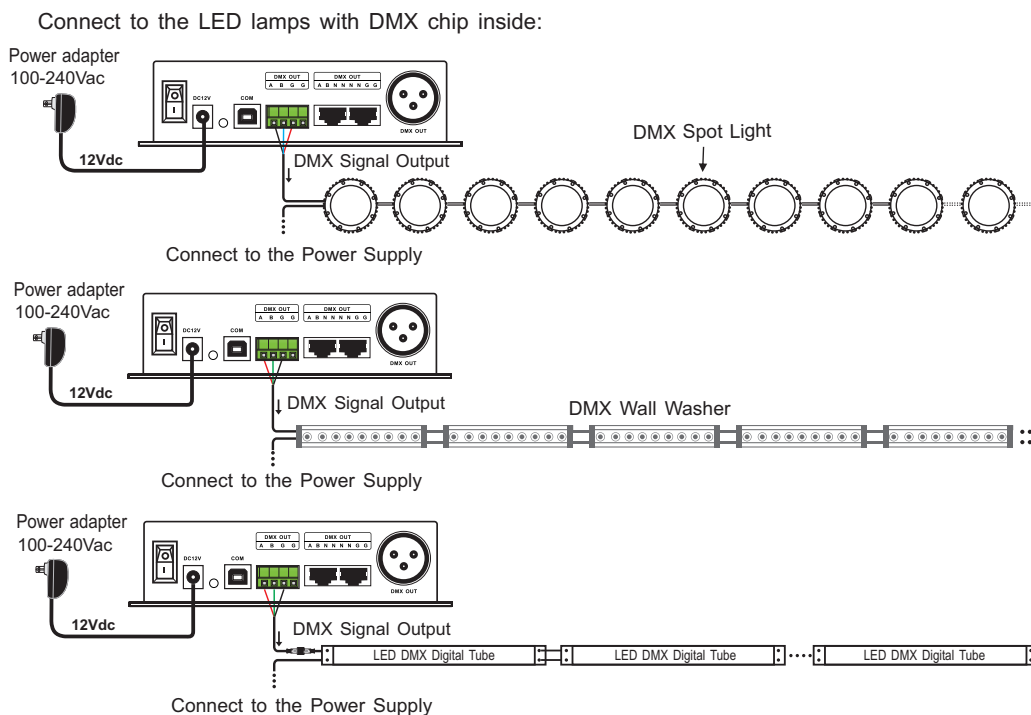
In the **mode 39**, press  button for 3 seconds to enter submenu.

LOAD DEFAULT SET
PRESS BRT+ - KEY

Press   to restore default value of mode 39.

When set the 39th mode, according to the present switch condition and running time of automatic change modes 31-38, run the corresponding mode. The submenu only has the item that restore to default status (Please carefully choose the item).

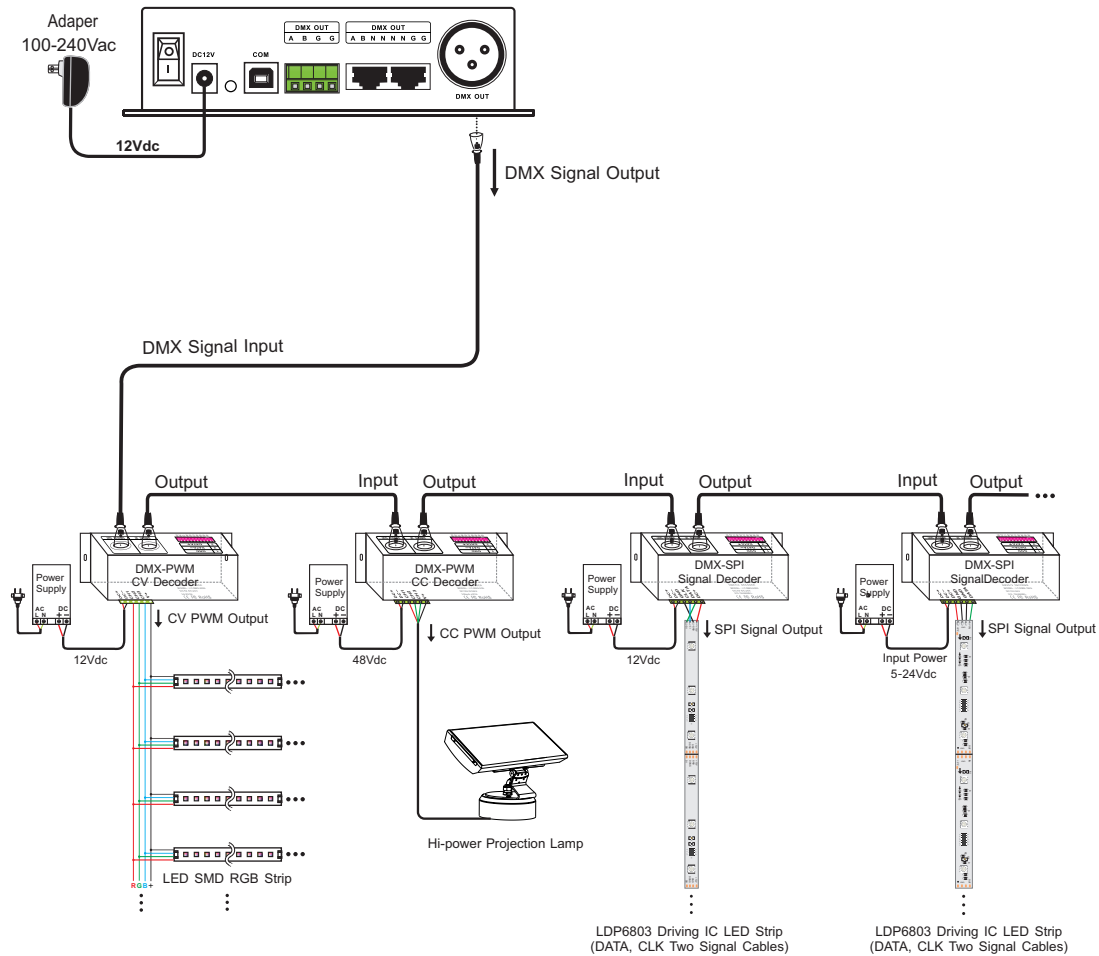
Wiring Diagram



【Attn】 Please confirm the LED lamp can receive standard DMX512 signal, otherwise it can't work properly.

Wiring Diagram Continued

Connect to the DMX driver:



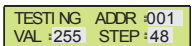
Additional Feature: DMX Address Writer

Note: DMX address writing applies only to our DMX lighting, if you use our LT-800 to control the DMX lights from other companies, please use their coordinated address writer.

Instructions: Long press FUN button for 3 seconds, the controller automatically enter the DMX address writing mode, displaying as following:

No.	Submenu Function (Press MODE+/- to Change Menu Below)	LCD Display	Setting Methods
1	DMX Address Reading Function	READING ADDR 000 REP 00	Enter the menu, the controller automatically reads and displays the first address and actual pixel for current connected DMX lighting. REP display as 01, 02, 04, 08, 16, means the distribution of pixels of the lamps is 16,8,4,2,1 pixels respectively. For example, the lamps assigned to 8 pixels, the REP reads 02.

Additional Feature: DMX Address Writer Continued

No.	Submenu Function (Press MODE+/- to Change Menu Below)	LCD Display	Setting Methods
2	DMX Address Writing Function (to support the address writing for single lamp) (to support the address writing for multiple lamps) (to support the same of the first address of each lamp)		Press SPEED +/- to switch 3 parameters, press BRT +/- to change the value. WRITING ADDR: Write the first address of the DMX lighting, the default is 001. REP: Write the actual pixels, the default is 01, means the lamps assigned to 16 pixels. STEP: Fill in the plus & minus step when set the "WRITING ADDR", the default is 48, meaning each plus & minus step is 48 for the first address. 1. When writing address for each lamp individually, use the "step" can quickly modify the first address of each lamp. 2. When multiple lamps in series connection and set the "REP" as 01,02,04,08,16, each lamp is assigned 16,8,4,2,1 pixels individually, the first address of each lamp will increase progressively. For instance, set the "WRITING ADDR" as 001," REP as 02, then the first address of each lamp is 001, 025,049 in sequence, each lamp is assigned 8 pixels. 3. When multiple lamps in series connection and set the "REP" as 01S,02S,04S,08S,16S, each lamp is assigned 16,8, 4,2,1 pixels individually, set the same first address for all lamps. For instance, set the "WRITING ADDR" as 001, "REP" as 02, then the first address of all lamps together is 001, each lamp is assigned 8 pixels.
3	The DMX address testing verification		TESTING ADDR: fill in the test address value. VAL: fill in DMX value from 0 to 255 in the testing address, default is 255. for the other DMX address, the date sent is 0. STEP: fill in the plus & minus step when set the "WRITING ADDR", the default is 48, meaning each plus & minus step is 48 for the testing address.

Attention

- 8.1 The product shall be installed and serviced by the qualified person.
- 8.2 This product is non-waterproof. Please avoid the sun and rain. When installed outdoors please ensure it is mounted in a water proof enclosure.
- 8.3 Good heat dissipation will prolong the working life of the controller. Please ensure good ventilation.
- 8.4 Please check if the output voltage of the LED power supply used comply with the working voltage of the product.
- 8.5 Please ensure that adequate sized cable is used from the controller to the LED lights to carry the current. Please also ensure that the cable is secured tightly in the connector.
- 8.6 Ensure all wire connections and polarities are correct before applying power to avoid any damages to the LED lights.
- 8.7 If a fault occurs please return the product to your supplier. Do not attempt to fix this product by yourself.