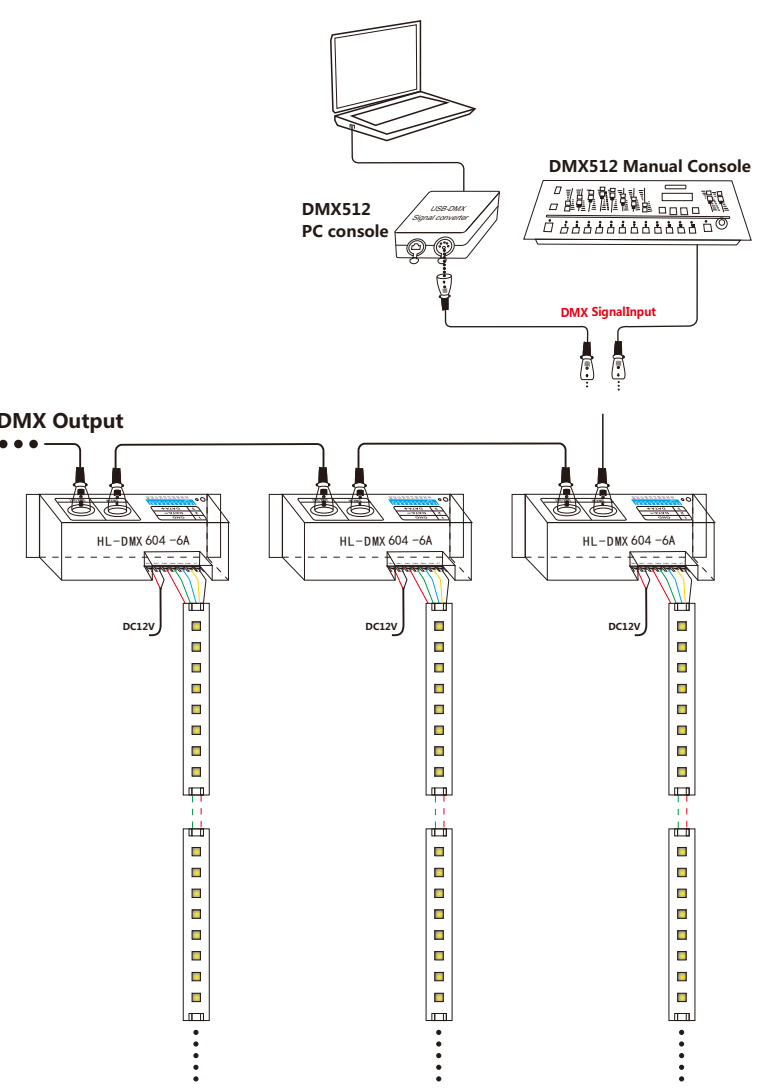
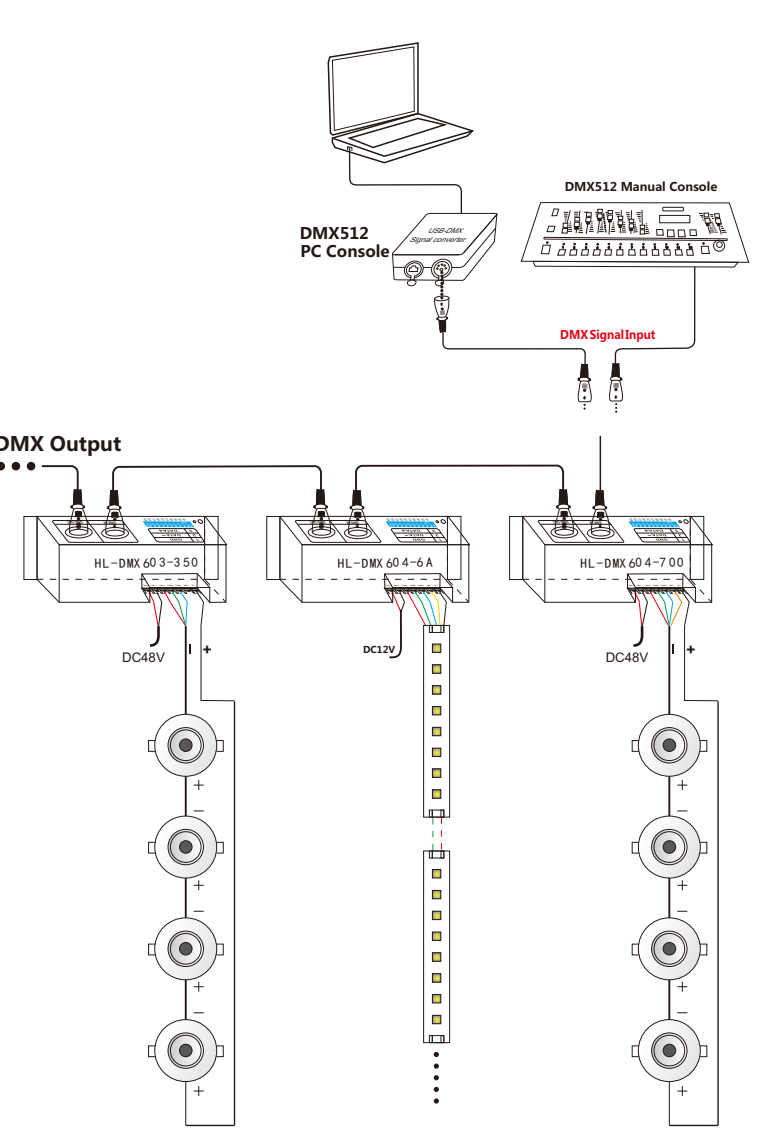


CONNECTION DIAGRAM

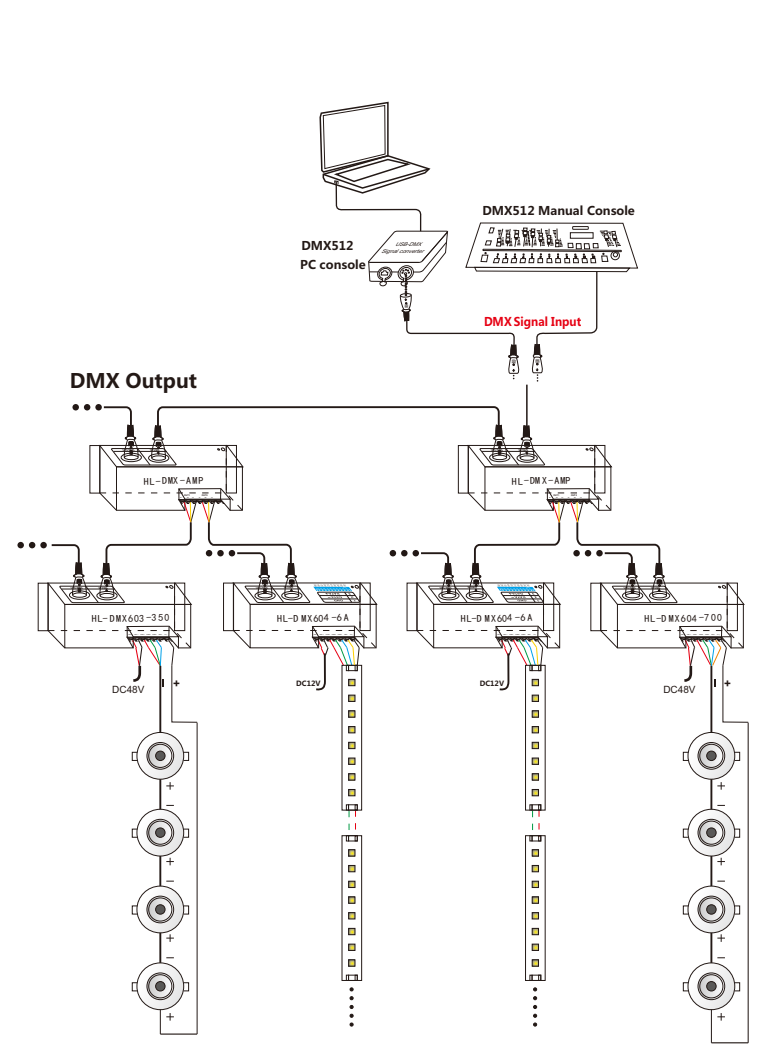
1. Multiple units connect in parallel



2. Multiple units mix-connect in parallel



3. Connect to DMX Amplifier



FAULT ANALYSIS

- LED lamps are not under controlled or not bright:
- 1. If input voltage or output power fit the loading lamps.
- 2. If master control is working, or change the mode.
- 3. If there is problem with the power supply of master control and splitter, or wrong connection.

ATTENTION

- 1. The product shall be installed, serviced by a qualified person.
- 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.
- 3. Good heat dissipation will prolong the working life of the controller. Please ensure good ventilation.
- 4. Please check if the output voltage of any LED power supplies used comply with working voltage of the product.
- 5. If a fault occurs please return the product to your supplier. Do not attempt to fix this product by yourself.

WARRANTY AGREEMENT

- Ensure to make customers rest assured and satisfy with our products, we will strictly follow the relevant laws and regulations issued by the state, require the company's after-sales service system reasonably.
- 1. Lifelong technical assistance and 3-year warranty for free repair or replacement and covers.
 - 2. Date of purchase subjects to the contract or invoice.
 - 3. Warranty exclusions below:
 - 1) Any man-made damages caused from improper operation.
 - 2) User remove, repair, refit the products.
 - 3) Any damages due to the transportation.
 - 4) Damage due to natural disasters and force majeure.
 - 5) Normal use old, worn, cracked and dip, etc.

HL-DMX604-6A
4CH DMX DRIVER

USER MANUAL



ZHUHAI HIGHLIGHT ELECTRONIC TECHNOLOGY CO., LTD.



HL-DMX604-6A
4CH DMX DRIVER

FOREWORD

Thank you for choosing our product. Before use, read carefully the manual for knowing the usage and operation of this item. CE, FCC, RoHS Certificate have been approved. If it is our product's problem, 3 years warranty since the date of signing contract, excluding improper use lead to product damage and burn out.

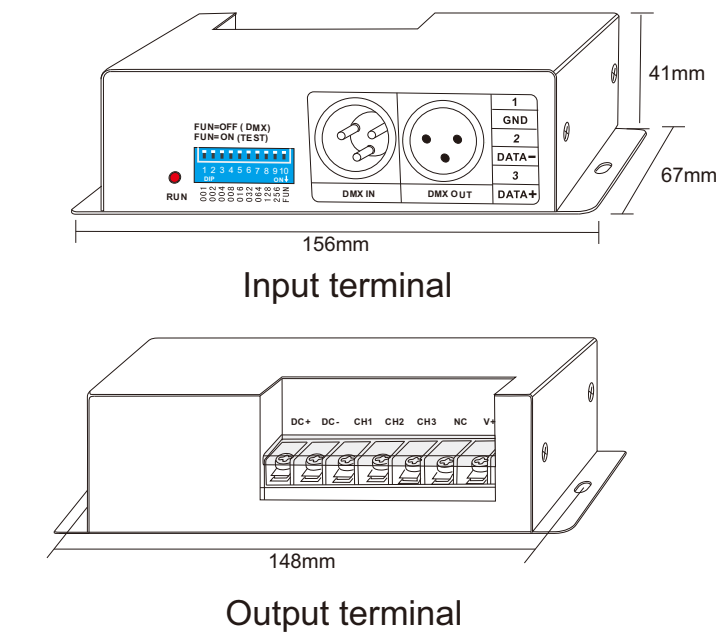
PRODUCT FEATURES

- For single color/RGB/RGBW LED lamps dimming and color changing.
- Controllable with the international standard DMX512 protocol. Optional with constant current/constant voltage/single
- channel/multiple channel models.
- Multiple models in series/parallel connection, easy to install.
- Workable with our DMX signal splitter/amplifier.

TECHNICAL PARAMETER

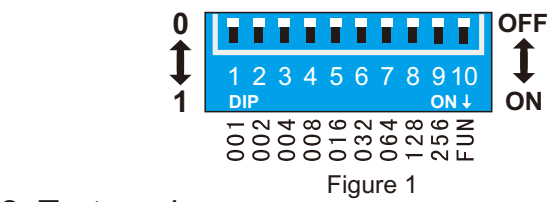
Model no.: HL-DMX604-6A
Power chosen: CV power supply
Input voltage: DC12-24V
Output voltage: DC12-24V
Input signal: DMX512
Output signal: PWM
Current load: 6A*4CH=24A
Output power: 288W-576W
Dimming range: 0-100%
G.W.: 340g
Product size: L156*W67*H41 (mm)
Package size: L180*W82*H50 (mm)

PRODUCT STRUTURE

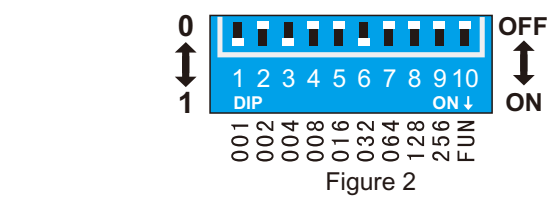


DIP SWITCH FUNCTION

1. FUN key
As figure 1, DIP switch consist of 10 switches from DIP1-10. When DIP10(FUN)=ON, entering test mode. When DIP10(FUN)=OFF, entering manual dimming and DMX control mode.



2. Test mode



As figure 2, DIP1-9 means 9 changing modes, as follows:

DIP1	DIP2	DIP3	DIP4	DIP5	DIP6	DIP7	DIP8	DIP9
Red	Green	Blue	Yellow	Purple	Cyan	White	Skip	Gradual

One DIP switch is on, it works its mode. When several dip switches are on, subjected to the highest switch value, e.g. DIP1-10 are ON, it works DIP9's mode.

In build-in mode, DIP1-7 is static color. DIP8-9 is dynamic mode. In dynamic mode, DIP1-7 is the speed adjust of DIP8 or DIP9. As follows:

DIP1	DIP2	DIP3	DIP4	DIP5	DIP6	DIP7
Speed 1	Speed 2	Speed 3	Speed 4	Speed 5	Speed 6	Speed 7

Several of DIP1-7 are ON, subjected to the highest switch value. E.g. DIP1-10 are ON, fastest speed 7 in color gradual of DIP9.

3. Manual dimming

When DIP10=OFF, disconnect the DMX signal, entering the manual dimming function, as follows:

Brightness	DIP1-3(CH1)	DIP4-6(CH2)	DIP7-9(CH3)
0	000	000	000
25%	100	100	100
50%	010	010	010
75%	001	001	001
100%	111	111	111
Above "0" is DIP=OFF, "1" is DIP=ON			

4.DMX mode

When DIP10=OFF, connect the DMX signal, entering DMX control mode. As figure 3, DIP1-9 correspond 1-256 DMX address. As follows:

DIP	1	2	3	4	5	6	7	8	9
Add	001	002	004	008	016	032	064	128	256

Switch DIP1-9 to ON, can get the value of corresponding DMX address. Example, just switch DIP8 to ON, then initial DMX address is 128th. Several DIP are ON, add the corresponding value. Example, switch DIP4, DIP5, DIP7 to ON at the same time, then get 3 values 008+016+064=88. So the initial DMX address is 88th.

CONTACT US

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