

|           |         |
|-----------|---------|
| Project : | Date :  |
| Cat. No : | Type :  |
| Notes :   | Volts : |

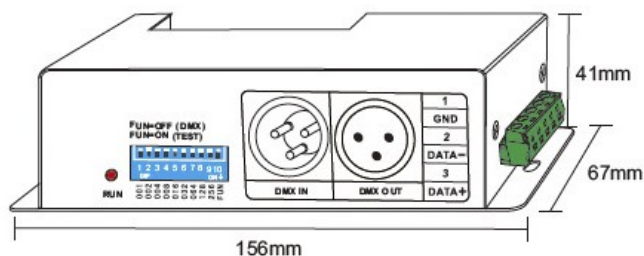
(CONSTANT VOLTAGE)

- High performance and flicker free DMX512—4 Channels
- 4 Output controller, constant voltage
- Heavy duty screw for hardwire connection.
- High current load, 4 X 6A

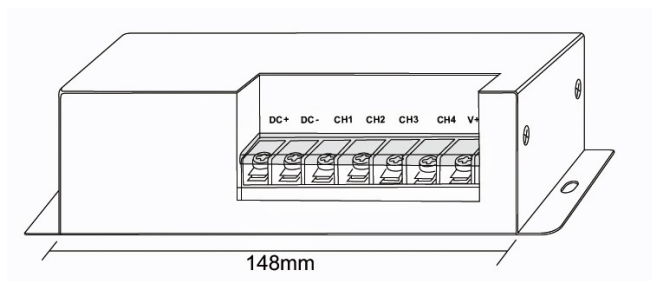


## TECHNICAL PARAMETER

- **INPUT VOLTAGE:** 5-24VDC
- **OUTPUT VOLTAGE:** 5-24VDC PWM
- **CURRENT LOAD:** 6 AMP X 4 CHANNELS
- **OUTPUT POWER:** 120W/288W/576W (5V/12V/24V)
- **SIGNAL CONNECTION:** XLR 3, GREEN TERMINAL
- **INPUT SIGNAL:** DMX512
- **OUTPUT SIGNAL:** PWM
- **DIMMING RANGE:** 0-100%
- **WORKING TEMPERATURE:** -30°-65°C



Input terminal



Output terminal

|           |         |
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| XLR-3 | Terminal | Meaning of symbol | Function              |
|-------|----------|-------------------|-----------------------|
| 3     | A        | DMX+              | DMX512 signal anode   |
| 2     | B        | DMX-              | DMX512 signal cathode |
| 1     | G        | GND               | Signal ground         |

## 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.

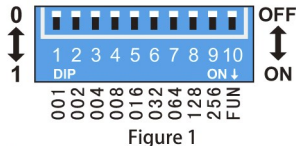


Figure 1

### 2. Test mode

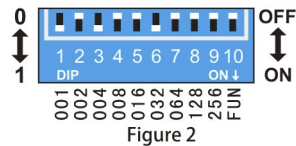


Figure 2

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**

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:

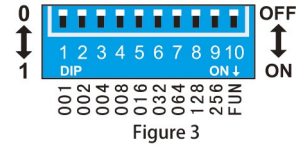


Figure 3

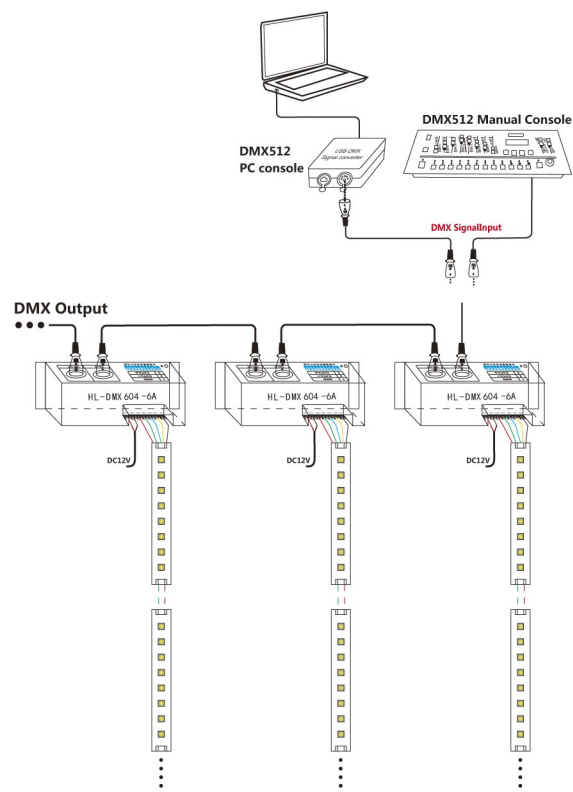
| DIP | 1   | 2   | 3   | 4   | 5   | 6   | 7   | 8   | 9   |
|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|
| Add | 001 | 002 | 004 | 008 | 016 | 032 | 064 | 128 | 256 |

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.

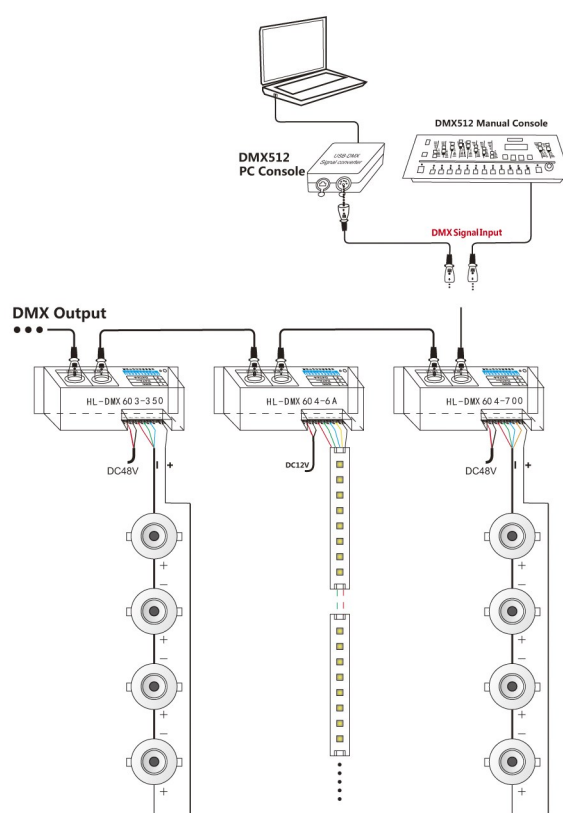
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## CONNECTION DIAGRAM

### 1. Multiple units connect in parallel



### 2. Multiple units mix-connect in parallel



Project :

Date :

Cat. No :

Type :

Notes :

Volts :

## USER MANUAL

### 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.
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