NATECH
LEDTHINKX©

NTDMX512-4C-350MA

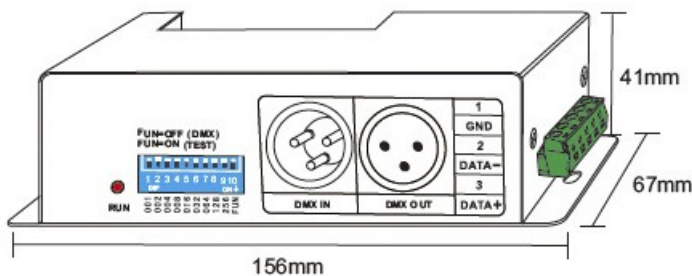| Project :	Date :
Cat. No :	Type :
Notes :	Volts :

- For single color/RGB/RGBW led lamps dimming and color changing.
- High perfomance and flicker free DMX512 4 channels, constant current
- Heavy duty screw. For hard wire connection
- High current load, 350MA

**NTDMX512-4C-350MA
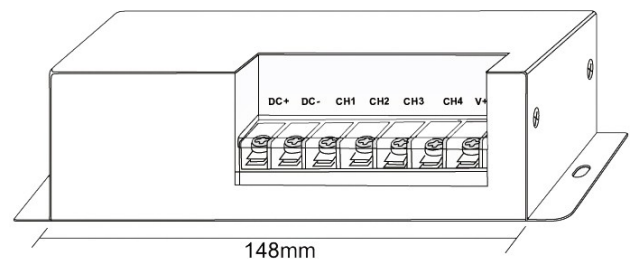(CONSTANT CURRENT)**

TECHNICAL PARAMETER

- **INPUT VOLTAGE:**   DC12-48VDC
- **OUTPUT VOLTAGE:**   DC3-42V
- **INPUT SIGNAL:**   DMX512
- **OUTPUT SIGNAL:**   CC PWM
- **CURRENT LOAD:**   350MA= 4CH
- **OUTPUT POWER:**   16.8W-67.2W- 350MA
- **DIMMING RANGE:**   0-100%

41mm

67mm

156mm

Input terminal

148mm

Output terminal

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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.
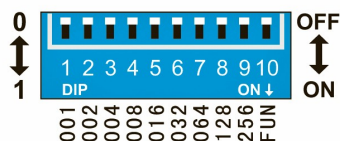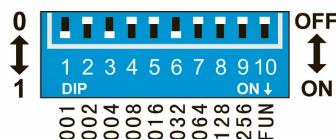

Figure 1

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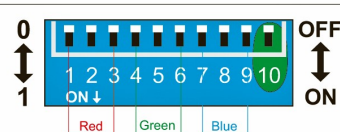
Brightness	DIP1-3(CH1)	DIP4-6(CH2)	DIP7-9(CH3)
0	000	000	000
25%	100	100	100
50%	010	010	010
75%	001	001	001
100%	111	111	111
Above "0" is DIP=OFF, "1" is DIP=ON			

4.DMX mode

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

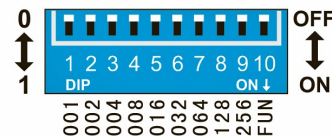Figure 3

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.
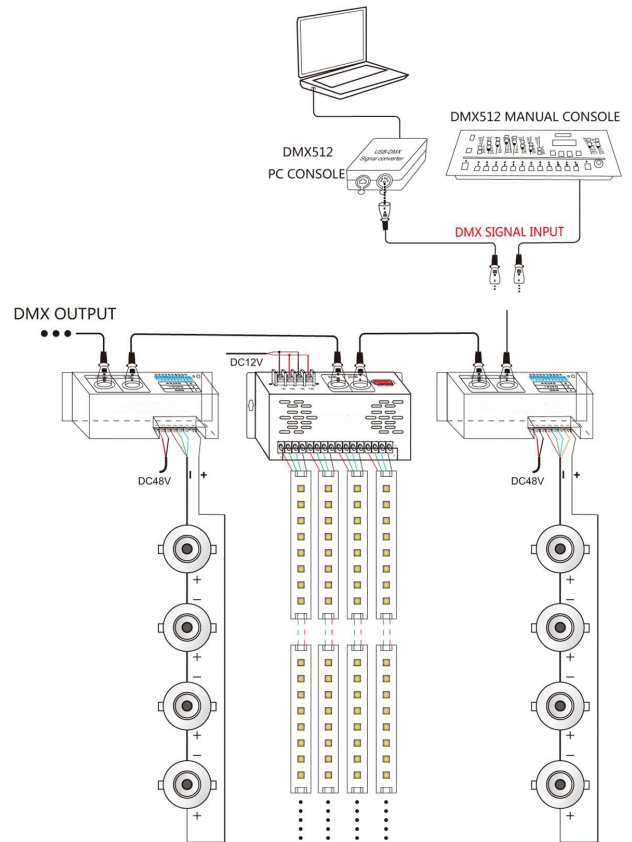
Project :	Date :
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CONNECTION DIAGRAM

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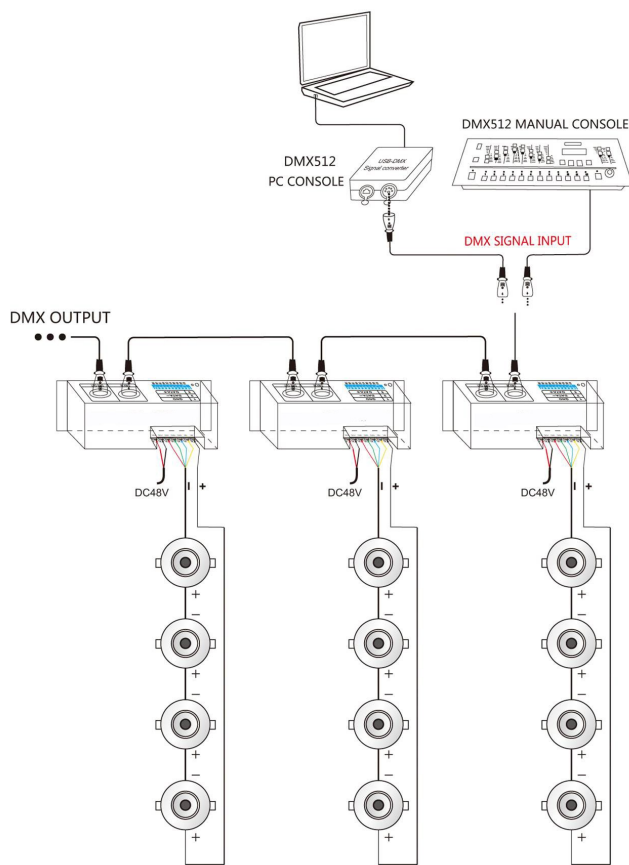
2. Multiple units mix-connect in parallel

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3. Connect to DMX system
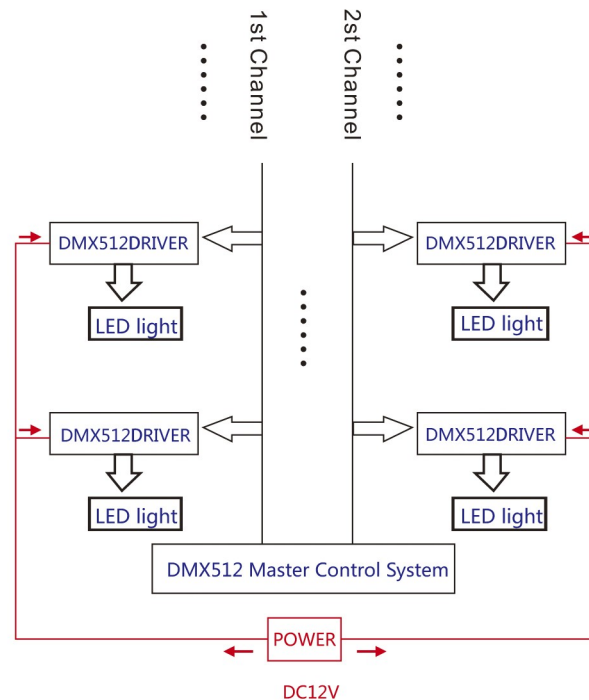
FAULT ANALYSIS

LED lamps are not under controlled or not bright:
1. If input voltage or output power fit the loading lamps.
2. If master congtrol 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. By virtue of the Law on the building, the regulations concerning the domain of the electricity in Quebec
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. Pelase 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.