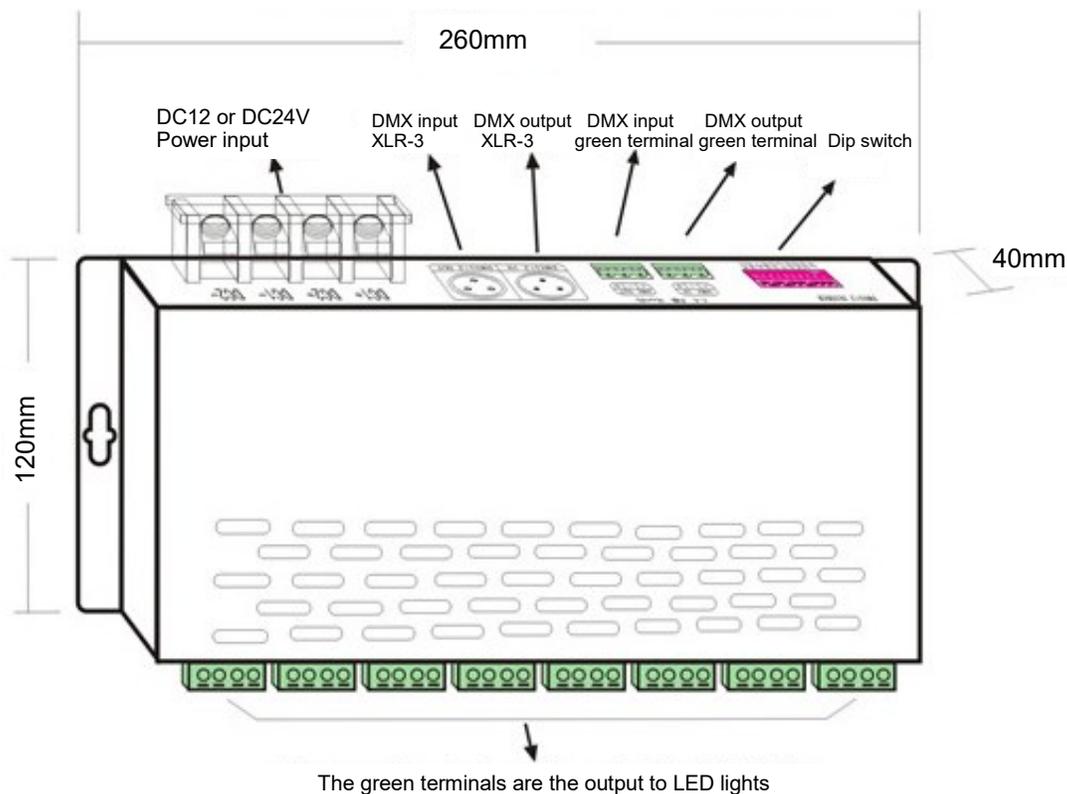


Project :	Date :
Cat. No :	Type :
Notes :	Volts :

This NTDMX512-24C-12/24V is designed to convert the universal standard DMX512/1990 signal into PWM to control our RGB strips, it allows user to choose 1 to 24 output channel (up to 8 RGB zones) with 256 level brightness control.

DMX INTERFACE (CONSTANT VOLTAGE)

Input power:	DC12 or DC24 Dual input
Output current:	3A per channel (total current up to 72A)
Output power:	12V 867W 24V 1728W
Brightness control:	256 levels/channel
DMX address	24 (8 RGB)
DMX512 standard	DMX512/1990 XLR or hardwire connector signal



Project :

Date :

Cat. No :

Type :

Notes :

Volts :

1. Special L-PWM program technology, with more functions;
2. 24 output channels, which can connect signal color or RGB full-color lamps;
3. 0-100% smooth brightness adjusting, 256 grey steps per channel;
4. Universal standard DMX512 input protocol, addresses can be set up by DIP switch;
5. Working voltage from DC12V~DC24V;
6. With 10 auto testing modes and 8 speed adjusting modes;

FUN at "OFF" is DMX512 signal mode FUN at "ON" is auto testing mode



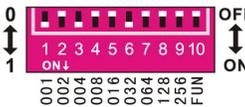
Picture 1

1. DMX initial address setting

FUN at "OFF" (the 10th DIP switch is upward) is DMX512 signal mode, pic 1

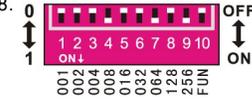
DIP Switch	Value	Remark
1	001	This decoder adopts Dip switch to set the address, the Dip switches from 1 to 9 are a kind of binary value coding switches which used for setting DMX512 initial address code, the correlative bits is the 1-9 bits of the DIP switch, the 1 st bit is LSC, the 9 th bit MSC, 511 addresses totally. DMX512 initial address is the total amount of the Dip switches' number from 1 to 9, press Dip switch downward (ON: at position "1"), user can get the number of its position, if pressing upward (at position "0"), the number of its position is 0.
2	002	
3	004	
4	008	
5	016	
6	032	
7	064	
8	128	
9	256	

Example 1: Set initial address to 37
Set the 1st, 3rd, 6th, bit of the DIP switch downward to "1" the rest to "0" (picture 2), the summation from 1 to 9 is 1+4+ 32, so the DMX512 initial address code is 37.



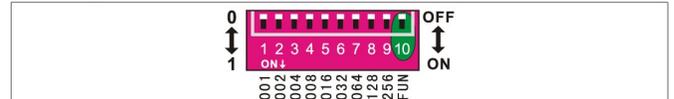
Picture 2

Example 2: Set initial address to 328
Set the 4th, 7th, 9th, bit of the DIP switch downward to "1" the rest to "0" (as picture 3), the summation from 1 to 9 is 8+64+ 256, so the DMX512 original address code is 328.



Picture 3

2. Testing function:



Such as FUN at "ON" (the 10th DIP switch is downward) is testing function. DIP switch 1-9 at "OFF" is Black

DIP1	DIP2	DIP3	DIP4	DIP5	DIP6	DIP7	DIP8	DIP9
Red	Green	Blue	Yellow	Purple	Cyan	White	Scan	Color changing

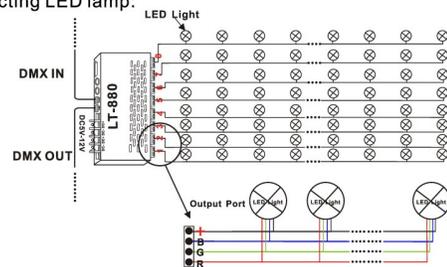


DIP8/DIP9 at "ON" (the 8th/9th DIP switch is downward) is changing mode. DIP switch 1-7 has 8 levels speed changing, DIP 7 is the fastest speed. DIP switch 1-7 at "OFF" is speed 0

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

As the above pic, if several DIP switch at "ON", it is subject to the maximum value. if all DIP switch at "ON", it is color fade effect of testing function, the speed is 7.

1.Connecting LED lamp:



Safety warnings

Please don't install this controller in lightning, intense magnetic and high-voltage fields.

1. To reduce the risk of component damage and fire caused by short circuit, make sure correct connections
2. Always be sure to mount this unit in a area that will allow proper ventilation to ensure a fitting temperature.
3. Check if the voltage and power adapter suit the controller
4. Don't connect cables with power on; make sure a correct connection and no short circuit checked with instrument before power on
5. Please don't open controller cover and operate if problems occur.

DMX console connection

