LED Decoder DMX OLED 5x5A - LT-905-OLED 2279000

General

Product Type	Constant Voltage Driver
Length (mm)	122
Width (mm)	110
Height (mm)	37
Housing Color	Black
Housing Material	Metal
Mounting	Surface mounted
Weight (g)	550

Electronics

Input Domain	DC
Input Voltage	12 ~ 24V DC
Output Voltage	12 ~ 24 V DC
Output Current (mA) max/output	5000
Output Current Max. (A)	25
Output Power (W)	300W @ 12V, 600W @ 24V
Power Supply	N/A
LED Outputs	5

Lighting

Color Range	RGBWY

Control

Output Signal	PWM-CV
Control	DMX
RDM Support	Yes
Dimming Range	0~100%
Driver Configuration	Digital
Number of Channels	5

Environmental

Operating Temperature	-30 ~ +65 °C
Ingress Protection	IP20

CE IP20 5 year warranty

OneEightyOne Valschermkade 27 - 28 | 1059CD | Amsterdam
+31 20 8200170 | info@oneeightyone.com | www.oneeightyone.com

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Paper size: A4

LTECH

DMX512 DECODER

LT-905-OLED

5 CHANNELS

OLED display
8 bit / 16 bit
2 kinds of DMX interfaces
Dimming Curve: 0.1~9.9
Shortcut / Over load protection

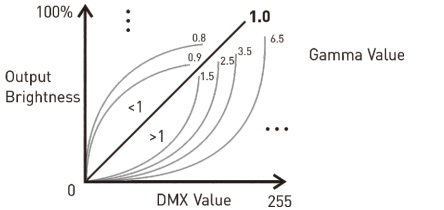
RDM
DMX

Photoelectric Isolation

www.ltech-led.com

Product Introduction:

1. Designed with 5 channels output, and Max. 5A current per channel, up to 600W output power.
2. Easy operation with OLED screen and the touch buttons.
3. 5 kinds of mode optional: single color, color temperature, RGB, RGBW, RGBWY.
4. Support 2 kinds of DMX ports with signal isolation function: 5-pin XLR, RJ45.
5. With RDM remote management protocol, the operations can be completed via the RDM master console, such as parameters browsing & setting, DMX address setting, equipment recognition, etc.
6. With photoelectric isolation function.
7. With shortcut protection and over load protection, as well as warning function when fault.
8. With fast self-testing function.
9. 16bit (65536 levels) / 8bit (256 levels) grey level optional.
10. Multiple dimming curve (0.1~9.9) optional.



5-pin XLR | RJ45 | RDM | Photoelectric Isolation | Shortcut Protection | Over load Protection | Display

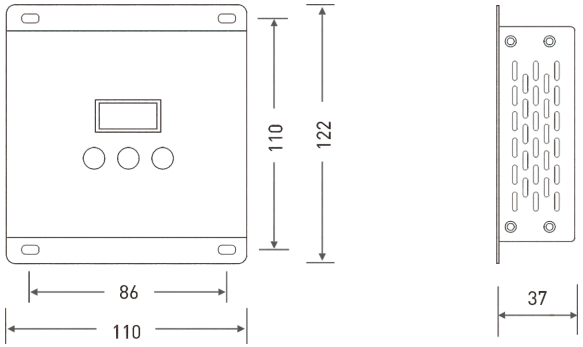
Technical Specs:

Model :	LT-905-OLED
Input Signal :	DMX512/RDM
Input Voltage :	12~24Vdc
Current Load :	5A × 5CH Max. 25A
Output Power :	(0~60W...120W) × 5CH Max. 600W
DMX Interface :	5-pin XLR, RJ45
Control Mode :	Dimming/CT/RGB/RGBW/RGBWY
Dimming Curve :	0.1~9.9
Grey Level :	8bit (256 levels) / 16bit (65536 levels)
Photoelectric Isolation :	Yes
Protection:	Shortcut / Over load
Working Temperature :	-30℃~65℃
Dimensions :	L122×W110×H37mm
Package Size :	L127×W123×H41mm
Weight (G.W.) :	550g

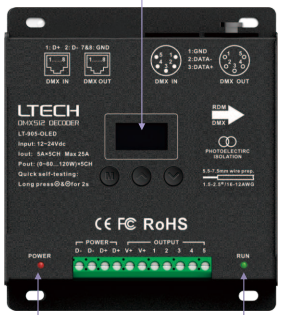
FC CE RoHS warranty 5 years ISO9001:2008

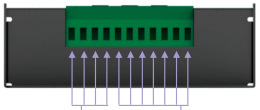
Product Size:

The Unit: mm



Main Component Description:

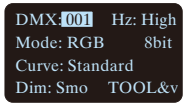




OLED Screen Interface:

Press "M" key, switch entries.
Press "^" or "v" key, parameter adjustment.
Long press "M" key, back to main page.
Exit: back to previous page.

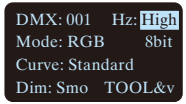
1. DMX Address Setting



Main page

Press "^" or "v" key to set DMX address.
Range: 001~512

2. PWM Frequency



Press "^" or "v" key to choose.

Optional :

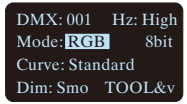
No flicker in video camera.

Std (standard)
High
Mid (middle)
Low

Smooth and delicate, human eye is comfortable.

✻ It is recommended to use standard,

3. Mode



Press "^" or "v" key to choose.
Optional : Dim
CT
RGB
RGBW
RGBWY

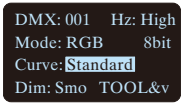
4. Grey Level

Press "∧" or "∨" key to choose.

Optional : 8bit

16bit (choose it if the master controller support this function)

5. Dimming Curve



Press "∧" or "∨" key to choose.

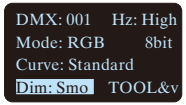
Optional : Standard

Linear

0.1~9.9

It is recommended to use standard, 0.1-9.9 is for special requirements.

6. Enhance dimming



Press "∧" or "∨" key to choose.

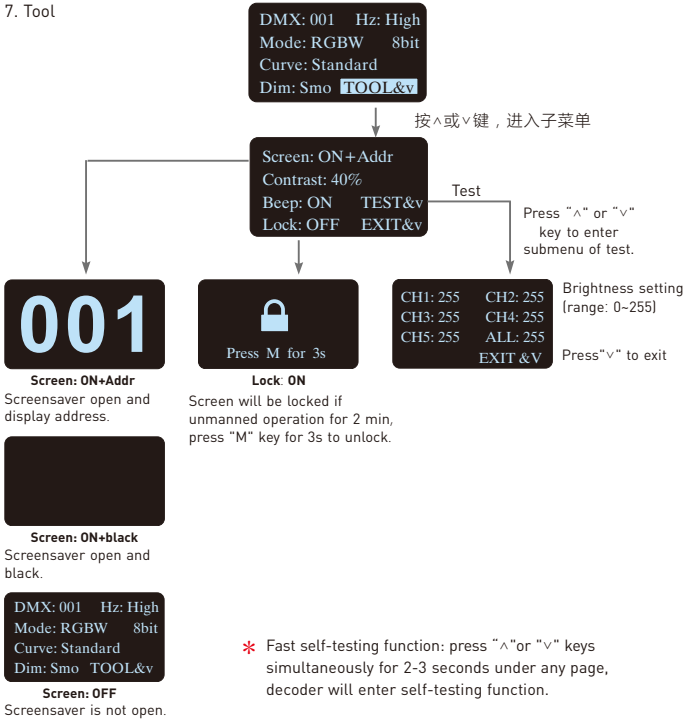
Optional : Std (standard)

Smo (smooth)

✻ It is recommended to use standard,

Smo: This option with smooth processing, realize the dimming flicker-free and dynamic effects more downy.

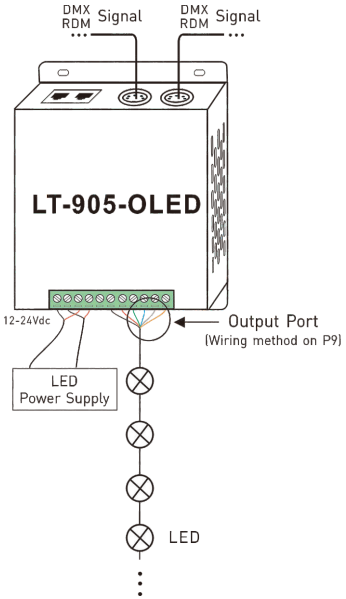
7. Tool

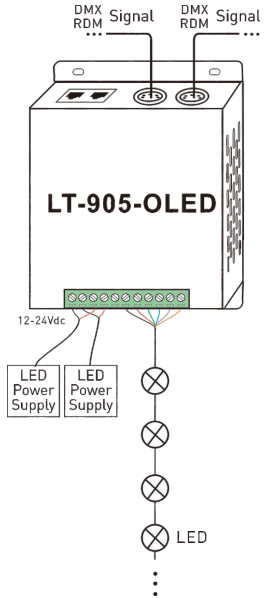


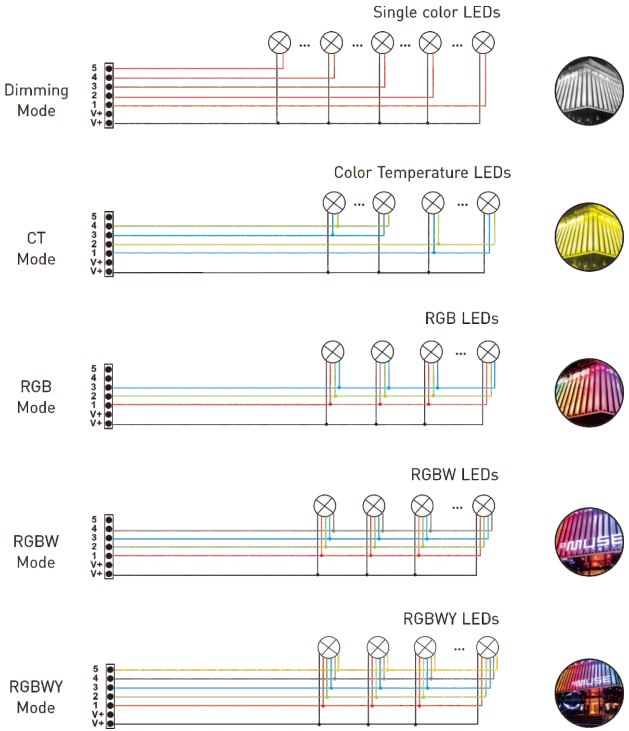
✻ Fast self-testing function: press "∧"or "∨" keys simultaneously for 2-3 seconds under any page, decoder will enter self-testing function.

Wiring Diagram:

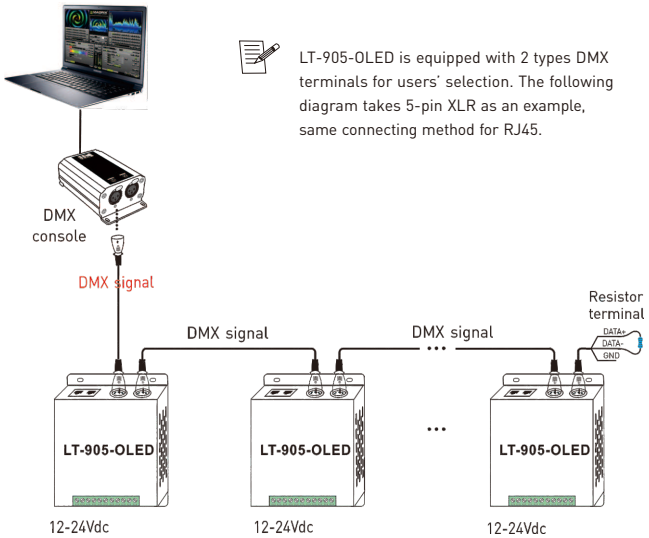
1 Connecting LED lights:







2. DMX console connection:

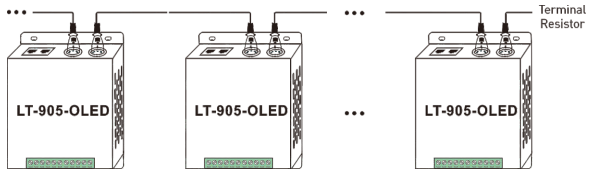


LT-905-OLED is equipped with 2 types DMX terminals for users' selection. The following diagram takes 5-pin XLR as an example, same connecting method for RJ45.

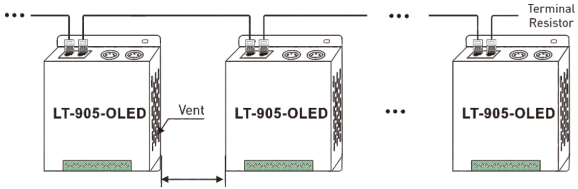
* An amplifier is needed if more than 32 decoders are connected or use overlong signal line, signal amplification should not be more than 5 times continuously.

* If the recoil effect occurs because of longer signal line or bad line quality, please try to connect 0.25W 90-120Ω terminal resistor at the end of each line.

3. The connection diagram of 2 kinds of DMX/RDM terminals:



5-pin XLR Connected in Parallel



RJ45 Connected in Parallel

These 2 terminals can be connected in a mixed way.

✻ **Installation Attention :** please reserve enough ventilation distance between decoders (>20mm), be sure not to block the vent, or will affect lifetime of decoder for poor heat dissipation.

Address setting table

Mode		DIM	CT	RGB	RGBW	RGBWY
Address Quantity		1	2	3	4	5
Resolution		8bit	8bit	8bit	8bit	8bit
Channel	1	001	001	001	001	001
	2	001	002	002	002	002
	3	001	001	003	003	003
	4	001	002	003	004	004
	5	001	002	003	004	005

Mode		DIM	CT	RGB	RGBW	RGBWY
Address Quantity		2	4	6	8	10
Resolution		16bit	16bit	16bit	16bit	16bit
Channel	1	001 002	001 002	001 002	001 002	001 002
	2	001 002	003 004	003 004	003 004	003 004
	3	001 002	001 002	005 006	005 006	005 006
	4	001 002	003 004	005 006	007 008	007 008
	5	001 002	003 004	005 006	007 008	009 010

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