

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



Photoelectric
Isolation



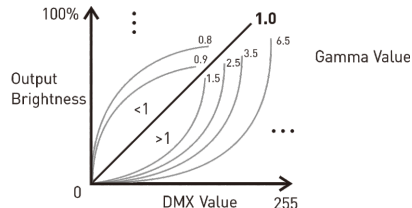
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Product Introduction:

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 / 8bit resolution optional.
10. Multiple dimming curve (0.1~9.9) optional.



5-pin XLR



RJ45



RDM



Photoelectric
Isolation



Shortcut
Protection



Over load
Protection



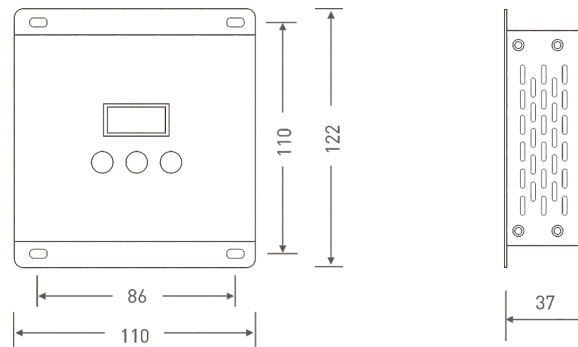
Display

Technical Specs:

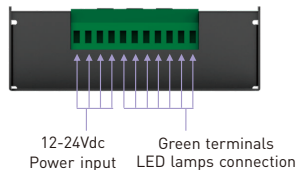
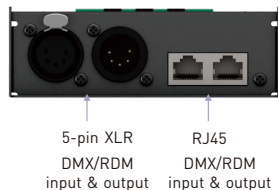
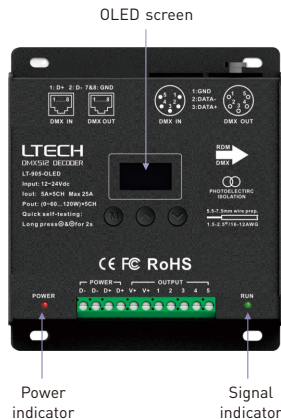
Model :	LT-905-OLED
Input Signal :	DMX512/RDM
Input Voltage :	12~24Vdc
Current Load :	5A x 5CH Max. 25A
Output Power :	(0~60W...120W)x 5CH Max. 600W
DMX Interface :	5-pin XLR, RJ45
Control Mode :	Dimming/CT/RGB/RGBW/RGBWW
Dimming Curve :	0.1~9.9
Grey Level :	8bit (256 levels) / 16bit (65536 levels)
Photoelectric Isolation :	Yes
Protection:	Shortcut / Over load
Working Temperature :	-30°C~65°C
Dimensions :	L122×W110×H37mm
Package Size :	L125×W115×H39mm
Weight (G.W.) :	450g

Product Size:

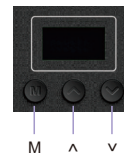
The Unit: mm



Main Component Description:

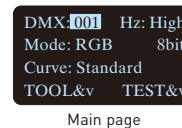


OLED Screen Interface:



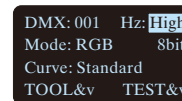
Press "M" key, switch entries.
Press "^" or "v" key, parameter adjustment.
Long press "M" key, back to main page.
Exit: back to previous page.

1. DMX Address Setting



Press “^” or “v” key to set DMX address.
Range: 1~512

2. PWM Frequency



Press “^” or “v” key to switch frequency.
Optional: High
Std (standard)
Mid (middle)
Low

3. Mode

DMX: 001 Hz: High
 Mode: **RGB** 8bit
 Curve: Standard
 TOOL&v TEST&v

Press "∧" or "∨" key to switch mode.

Optional : Dim

CT
 RGB
 RGBW
 RGBWY

4. Resolution

DMX: 001 Hz: High
 Mode: RGB **8bit**
 Curve: Standard
 TOOL&v TEST&v

Press "∧" or "∨" key to switch resolution.

Optional : 8bit
 16bit

5. Dimming Curve

DMX: 001 Hz: High
 Mode: RGB 8bit
 Curve: **Standard**
 TOOL&v TEST&v

Press "∧" or "∨" key to switch dimming curve.

Optional : Standard
 Linear
 0.1~9.9

6. Tool

DMX: 001 Hz: High
 Mode: RGB 8bit
 Curve: Standard
TOOL&v TEST&v



Press "∧" or "∨" key to enter submenu.

Screen: ON+Addr
 Contrast: 40%
 Buzzer: ON
 Lock: OFF EXIT&v

EXIT
 (Press "∨" key)


 Press M for 3s

Screen lock: set Lock: ON,
 screen will be locked if
 unmanned operation for 2 min,
 press "M" key for 3s to unlock.

7. Test

DMX: 001 Hz: High
 Mode: RGB 8bit
 Curve: Standard
 TOOL&v **TEST&v**



Press "∧" or "∨" key to enter submenu.

CH1: 255 CH2: 255
 CH3: 255 CH4: 255
 CH5: 255 ALL: 255
 EXIT &V

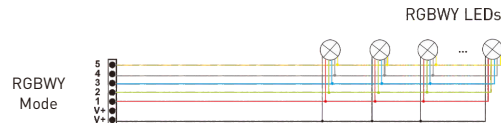
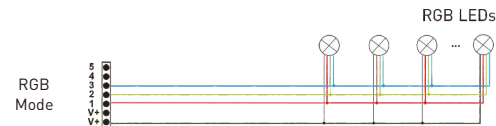
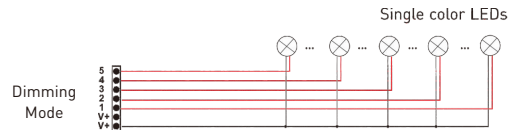
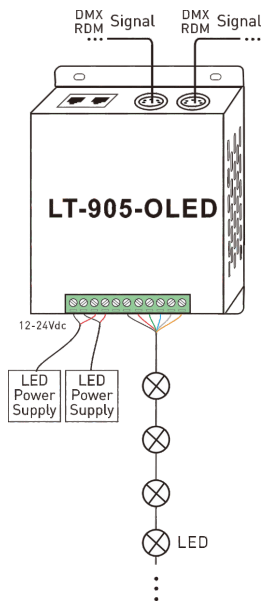
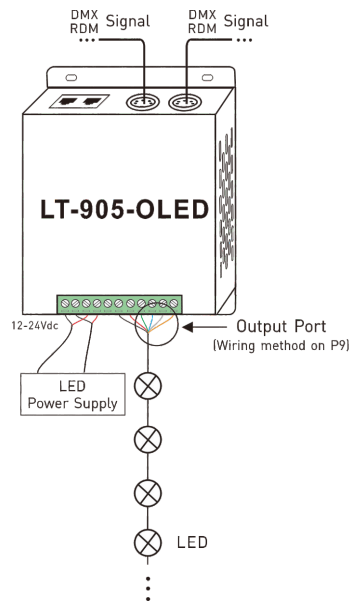
Brightness setting
 (range: 0~255)

EXIT (Press "∨" key)

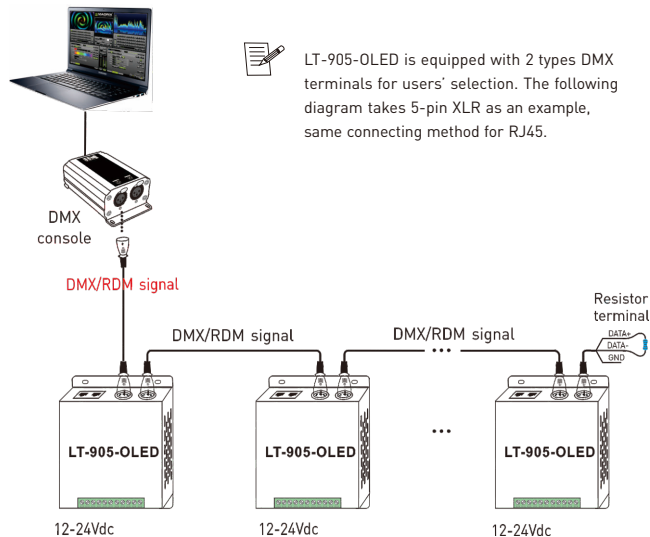
* Fast self-testing function: press "∧" or "∨" keys simultaneously for 2-3 seconds under any page, decoder will enter self-testing function.

Wiring Diagram:

1 Connecting LED lights:

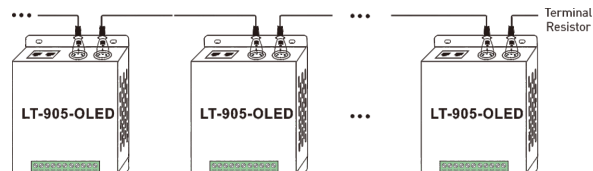


2. DMX console connection:

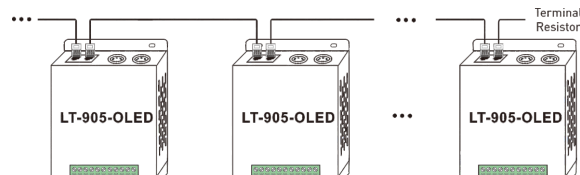


- * If the recoil effect occurs because of longer signal line or bad line quality, please try to connect 0.25W 90-120Ω terminal resistor at the end of each line.
- * An amplifier is needed when more than 32 decoders are connected, signal amplification should not be more than 5 times continuously.

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.

Address setting table

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

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