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DMX512 DECODER







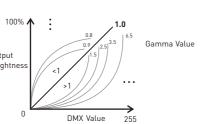


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Product introduction

- 1. Designed for Hi-power multiple channels application, 32 channels output, and Max. 3A current per channel, up to 2304W output power.
- 2. Easy operation with OLED screen and touch buttons.
- 3. 4 kinds of control modes available: DIM, CT, RGB, RGBW.
- 4. 3-pin XLR, 5-pin XLR, RJ45 and green terminal DMX interface with photoelectric isolation, improve signal transmission efficiency and anti-interference ability, the green terminal also has signal amplifier function.
- 5. With RDM remote management protocol, the operations can be completed via the RDM master console, such as parameters browsing & settings, DMX address settings, equipment recognition, etc.
- 6. With firmware upgrade function.
- 7. With short circuit, over current and overheat protection, as well as warning function when a fault occurs.
- 8. With power-on state management and fast self-testing function.
- 9. 16bit (65536 levels) / 8bit (256 levels) grey level available.
- 10. Available in standard, linear, LOG or custom 0.1-9.9 dimming curve.









isolation protection protection

Technical specs Model: LT-932-OLED

DMX512/RDM Input signal : 12~24Vdc Input voltage :

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Control modes

3A × 32CH Max. 96A Current load

[0~36W...72W] × 32CH Max. 2304W Output power :

3-pin XLR, 5-pin XLR, RJ45, Green terminal DMX interfaces DIM/CT/RGB/RGBW

Dimming curves 0.1~9.9, standard, linear, LOG

Grev level : 8bit (256 levels) / 16bit (65536 levels)

Photoelectric isolation

Short circuit / Overheat / Over current protection, Protection:

recover automatically.

-30°C~65°C Working temperature

300×122×39mm(L×W×H) Dimensions : Package size 313×127×41mm(L×W×H)

Weight (G.W.) :





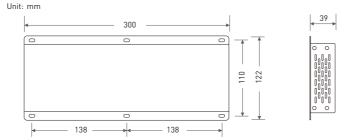




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Product size

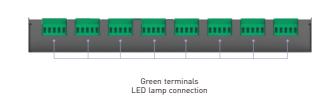


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Main component description







OLED screen interface

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1. DMX address settin

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

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video camera.

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

2. PWM frequency

Press "^" or "v" key to choose. No flicker in Mode: RGBW 8bit

Smooth and exquisite, * It is recommended to human eye is comfortable. use standard.

High

Std (standard)

Mid (middle)

Modes



Press "^" or "v" key to choose. Option: DIM /CT / CT2 / RGB / RGBW

4. Grev scale



Press "A" or "V" key to choose.

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

Dimming curves

DMX: 001 Hz: F Mode: RGBW 8 Dim: Smo TOOL&

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

Option: Standard Linear LOG

0.1~9.9

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

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Screen: ON+black Screensaver open and black if undo for 2 minutes. DMX: 001 Hz: H

Mode: RGBW

irve: Standard

Dim: Smo TOOL

Screen: 0FF

Screensaver not enable.

Mode: RGBW

urve: Standard

Enhance

Option: Std (standard) Smo (smooth)

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Press "^" or "v"

key to enter submenu of test.

Brightness settings

(range: 0~255)

Press"∧" or "∨"

Change all value

simultaneously

to next page

* It is recommended to use standard.

Smo: This option with smooth processing, realizes flicker-free dimming and smooth dynamic effects.

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

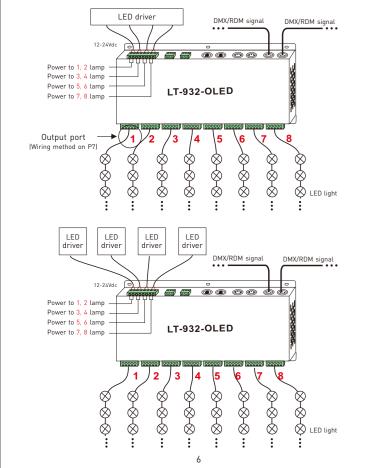
7. Tool Mode: RGBW 8 Dim: Smo TOOL& Press "^" or "v" key to enter submenu creen: ON+Addr Contrast: 40% Been: ON TE Screen: ON+Addr Screensaver open and display address if undo for 2 minutes.

> * Fast self-testing function: press "^"or "v" keys simultaneously for 2-3 seconds under any page,

decoder will enter self-testing function.

Wiring diagram

1. Connecting LED lights:

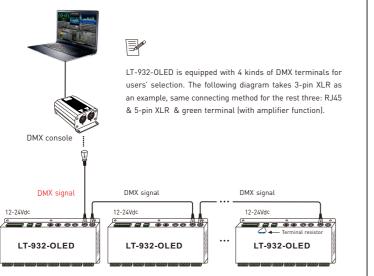


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CT/CT2 LEDs Dimming LEDs Dimming mode Color temperature mode

RGB mode RGBW mode

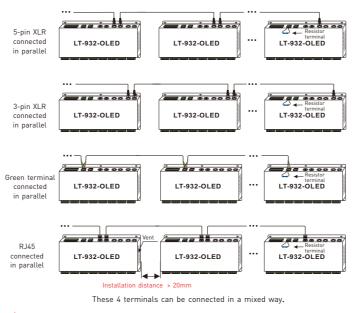
2. DMX console connection:



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

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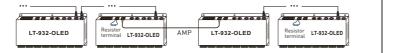
3. The connection diagram of 4 kinds of DMX/RDM terminals:



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

4. The connection diagram of AMP signal amplifier terminal:

* Connecting with green terminal or an extra amplifier will be needed when more than 32 decoders are connected or use overlong signal wire (as shown below). Signal amplifier should not be more than 5 times continuously.



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Address setting table

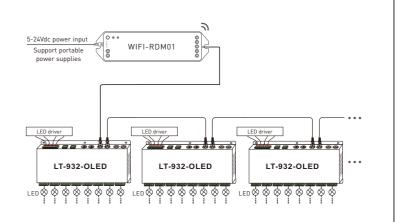
Mode													
Quantity 8	Mode		DIM	CT/CT2	RGB	RGBW		Mode		DIM	CT/CT2	RGB	RGBW
2 001 001 001 001 001			8	16	24	32				16	32	48	64
1	Resolution		8bit	8bit	8bit	8bit		Resol	ution	16bit	16bit	16bit	16bit
2 001 002 002 003 004 004 005 005 005 005 005 005 005 005	Channel	1	001	001	001	001	1		1	001 002	001 002	001 002	001 002
1		2	001	002	002	002	1		2	001 002			
A		3	001	001	003	003	1		3	001 002			005 006
S		4	001	002	003	004			4				
1		5	002	003	004	005			5	003 004	005 006	007	009
Note		6	002	004	005	006		Channel	6	003 004	007 008	009 010	011 012
8 002 008 012 016 9 003 005 007 009 11 003 006 008 010 11 003 005 009 011 12 003 006 009 011 13 004 007 010 013 14 004 008 011 014 15 004 007 012 015 16 004 008 012 015 17 005 009 013 017 18 005 010 014 018 19 005 009 015 019 10 007 010 013 017 11 008 019 019 12 018 022 028 14 006 011 016 021 15 006 010 018 022 17 007 013 019 025 26 007 014 020 026 27 007 013 021 027 28 007 014 021 028 29 008 015 022 029 30 008 016 023 030 31 008 016 023 030 31 008 016 023 030 31 008 016 023 030 31 008 016 023 030 31 008 016 023 030 31 008 016 023 030 31 008 016 023 030 31 008 016 023 030 31 016 032 047 045 31 008 015 024 031		7	002	003	006	007			7	004	006	011 012	013 014
10		8	002	004	006	800			8	003 004	007 008	011 012	015 016
10		9	003	005	007	009			9				017 018
11 003 005 009 011 12 003 006 009 012 13 004 007 010 013 14 004 008 011 014 15 004 007 012 015 16 004 007 012 015 17 005 009 013 017 18 005 010 018 022 18 008 014 022 028 19 006 011 014 018 19 005 009 015 019 20 005 010 014 018 19 005 009 015 019 20 005 010 015 020 21 006 011 016 021 22 006 011 016 021 23 006 011 018 024 24 006 012 018 024 25 007 013 019 025 26 007 014 021 028 27 007 014 021 028 29 008 015 022 029 30 008 016 023 030 31 008 015 024 031		10	003	006	008	010			10	005 006	011 012	015 016	019 020
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13		12	003	006	009	012]						
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18		17	005	009	013	017			17			025 026	033 034
17		18	005	010	014	018			18			027 028	
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		32	008	016	024	032			32	015 016	031 032	047 048	063 064

Work with RDM editor

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LT-932-OLED can work with LTECH RDM editor (Model: WiFi-RDM01) to realize changing the parameters and firmware upgrade by long-range setting, wiring diagram as below:

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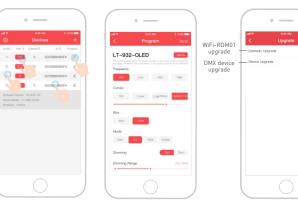


RDM editor App interface instructions

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Download the App, setting the LT-932-OLED parameters (frequency, bit, curve, modes, dimming range, screensaver, etc.) after well connecting the RDM editor, more details, please check the manual of WiFi-RDM01.

Well installation of products first, then working with WiFi -RDM01 to realize setting parameters and firmware upgrade by App.



- a: Click"Add", edit the address in corresponding box.
- b: Click"ID", get more product details.
- c: Click" 🚣 ", enter edited interface.
- d: Click"No.", issue the recognizing command.

Supporting WiFi-RDM01 upgrade and DMX driver upgrade.

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* This manual is subject to changes without further notice. Product functions depend on the goods. Please feel free to contact our official distributors if you have any question.

* When you select CT2, the DMX address represents brightness, color temperature and constant power output respectively.

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