LTECH

DMX512 DECODER

LT-932-OLED

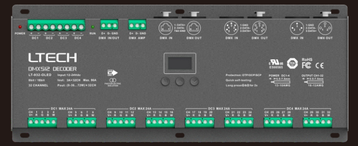
32 CHANNEL

OLED display
8 bit / 16 bit
4 kinds of DMX interfaces
Dimming Curve: 0.1-9.9
Short circuit / Over current / Overheat protection

c UL us E500585

RDM DMX

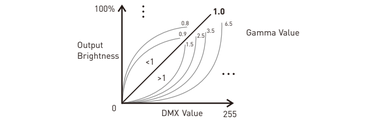
Photoelectric isolation



www.ltech-led.com

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.



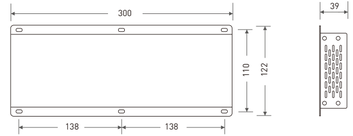
Technical specs

Model :	LT-932-OLED
Input signal :	DMX512/RDM
Input voltage :	12~24Vdc
Current load :	3A × 32CH Max. 96A
Output power :	(0~36W...72W) × 32CH Max. 2304W
DMX interfaces :	3-pin XLR, 5-pin XLR, RJ45, Green terminal
Control modes :	DIM/CT/RGB/RGBW
Dimming curves :	0.1~9.9, standard, linear, LOG
Grey level :	8bit (256 levels) / 16bit (65536 levels)
Photoelectric isolation :	Yes
Protection:	Short circuit / Overheat / Over current protection, recover automatically.
Working temperature :	-30°C~65°C
Dimensions :	300×122×39mm(L×W×H)
Package size :	313×127×41mm(L×W×H)
Weight (G.W.) :	1180g

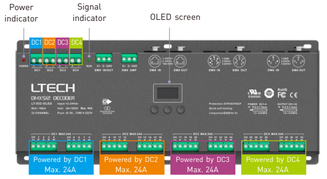
c UL us E500585 TÜV FC CE RoHS 5-Year Warranty

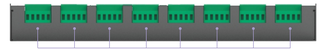
Product size

Unit: mm



Main component description





OLED screen interface

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

1. DMX address settings

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

2. PWM frequency

Press "^" or "v" key to choose.
Option : Std (standard)
High
Mid (middle)
Low
Smooth and exquisite, human eye is comfortable.
No flicker in video camera.
※ It is recommended to use standard.

3. Modes

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

4. Grey scale

Press "^" or "v" key to choose.
Option : 8bit
16bit [choose it if the master controller supports this function]

5. Dimming curves

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.

6. Enhance Dimming

Press "^" or "v" key to choose.
Option : Std (standard)
Smo (smooth)
※ It is recommended to use standard.
Smo: This option with smooth processing, realizes flicker-free dimming and smooth dynamic effects.

7. Tool

Press "^" or "v" key to enter submenu

Press "^" or "v" key to enter submenu of test.

Screen: ON+Addr
Screensaver open and display address if undo for 2 minutes.

Screen: ON+black
Screensaver open and black if undo for 2 minutes.

Screen: OFF
Screensaver not enable.

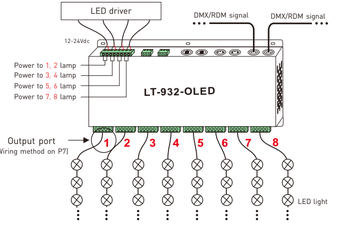
Brightness settings (range: 0~255)
Press "^" or "v" to next page
Press"-" to exit

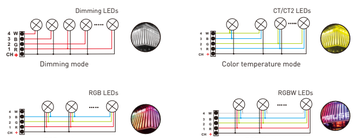
Change all value simultaneously (on the last page)

※ 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:



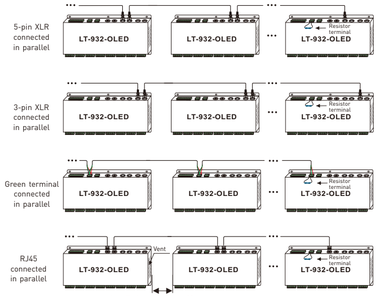


2. DMX console connection:

LT-932-OLED is equipped with 4 kinds of DMX terminals for users' selection. The following diagram takes 3-pin XLR as an example, same connecting method for the rest three: RJ45 & 5-pin XLR & green terminal (with amplifier function).

✻ 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 4 kinds of DMX/RDM terminals:

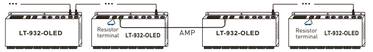


These 4 terminals can be connected in a mixed way.

✻ **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.



Address setting table

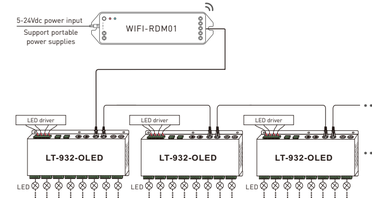
Mode	DIM	CT/CT2	RGB	RGBW
Address Quantity	8	16	24	32
Resolution	8bit	8bit	8bit	8bit
Channel 1	001	001	001	001
2	001	002	002	002
3	001	001	003	003
4	001	002	003	004
5	002	003	004	005
6	002	004	005	006
7	002	003	006	007
8	002	004	006	008
9	003	005	007	009
10	003	006	008	010
11	003	005	009	011
12	003	006	009	012
13	004	007	010	013
14	004	008	011	014
15	004	007	012	015
16	004	008	012	016
17	005	009	013	017
18	005	010	014	018
19	005	009	015	019
20	005	010	015	020
21	006	011	016	021
22	006	012	017	022
23	006	011	018	023
24	006	012	018	024
25	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	015	024	031
32	008	016	024	032

Mode	DIM	CT/CT2	RGB	RGBW
Address Quantity	16	32	48	64
Resolution	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	002 003	005 006	007 008	009 010
6	002 003	007 008	009 010	011 012
7	003 004	005 006	011 012	013 014
8	003 004	007 008	011 012	015 016
9	005 006	009 010	013 014	017 018
10	005 006	011 012	015 016	019 020
11	005 006	009 010	017 018	021 022
12	005 006	011 012	017 018	023 024
13	007 008	013 014	019 020	025 026
14	007 008	015 016	021 022	027 028
15	007 008	013 014	023 024	029 030
16	007 008	015 016	023 024	031 032
17	009 010	017 018	025 026	033 034
18	009 010	019 020	027 028	035 036
19	009 010	017 018	029 030	037 038
20	009 010	019 020	029 030	039 040
21	011 012	021 022	031 032	041 042
22	011 012	023 024	033 034	043 044
23	011 012	021 022	035 036	045 046
24	011 012	023 024	035 036	047 048
25	013 014	025 026	037 038	049 050
26	013 014	027 028	037 038	051 052
27	013 014	025 026	041 042	053 054
28	013 014	027 028	041 042	055 056
29	015 016	029 030	043 044	057 058
30	015 016	031 032	045 046	059 060
31	015 016	029 030	047 048	061 062
32	015 016	031 032	047 048	063 064

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

Work with RDM editor

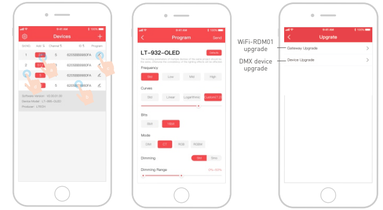
LT-932-OLED can work with LTECH RDM editor (Model: WiFi-RDM01) to realize changing the parameters and firmware upgrade by long-range setting, wiring diagram as below:



RDM editor App interface instructions

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.

✻ 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.

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