LTECH

DMX512 DECODER

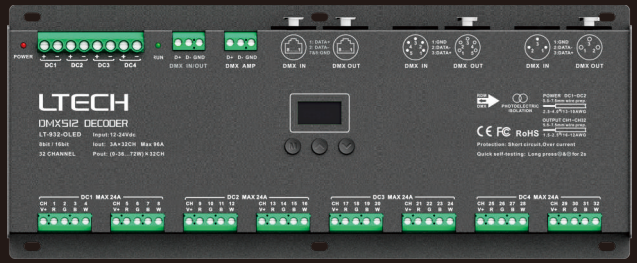
LT-932-OLED

32 CHANNEL

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

RDM
DMX

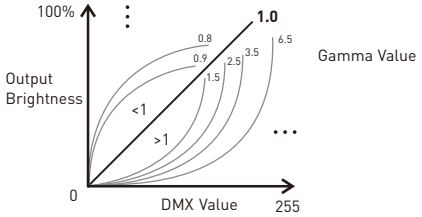
Photoelectric Isolation



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 mode optional: single color, color temperature, RGB and RGBW.
4. Support 4 kinds of DMX ports with signal isolation function: 3-pin XLR, 5-pin XLR, RJ45 and green terminal (with signal amplifier function).
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 firmware upgrade function.
7. With short circuit, over current and over-heat protection, as well as warning function when fault.
8. With power-on state management and fast self-testing function.
9. 16bit (65536 levels) / 8bit (256 levels) grey level optional.
10. Optional for standard, linear, LOG or custom 0.1-9.9 dimming curve.



3-pin XLR | 5-pin XLR | RJ45 | RDM | Photoelectric isolation | Short circuit protection | Over-heat protection | Over current protection | Display

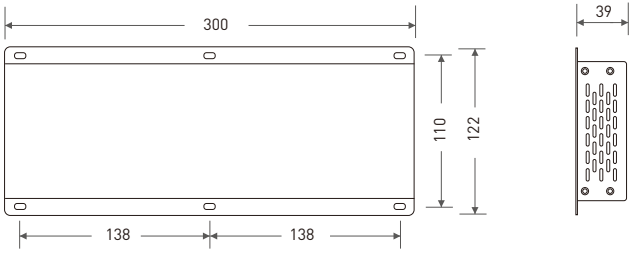
Technical specs:

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 Interface :	3-pin XLR, 5-pin XLR, RJ45, Green terminal
Control Mode :	Dimming/CT/RGB/RGBW
Dimming Curve :	0.1~9.9
Grey Level :	8bit (256 levels) / 16bit (65536 levels)
Photoelectric Isolation :	Yes
Protection:	Short circuit / Over current / Over-heat
Working Temperature :	-30℃~65℃
Dimensions :	L300×W122×H39mm
Package Size :	L313×W127×H41mm
Weight (G.W.) :	1180g

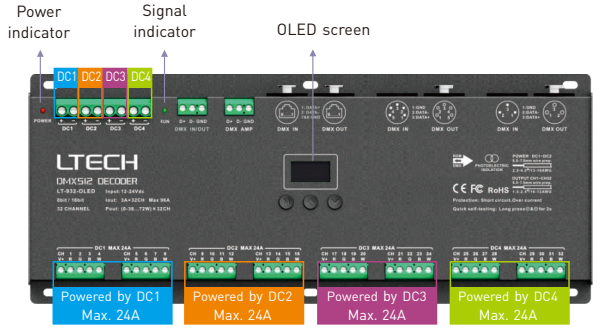
FC CE RoHS warranty 5 years ISO9001:2008

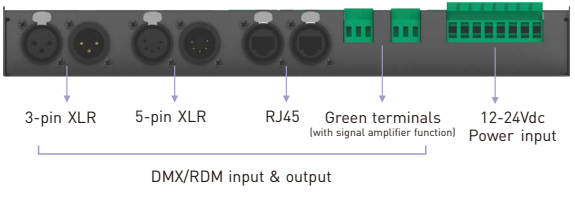
Product size

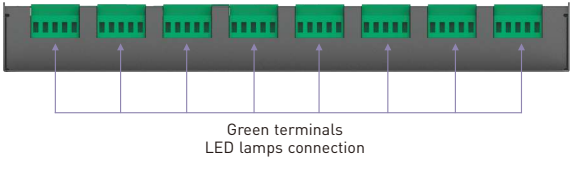
Unit: mm



Main component description:





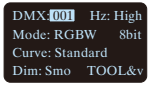


OLED screen interface:

Press "M" key, switch entries.
Long press "M" key, back to main page.
Press "∧" or "∨" key, parameter adjustment.

Exit: back to previous page.

1. DMX address setting



Main page

Press "∧" or "∨" key to set DMX address.
Range: 001~512

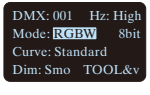
2. PWM frequency

Press "∧" or "∨" key to choose.
Optional :
Std (standard)
High
Mid (middle)
Low
✻ It is recommended to use standard.

Smooth and exquisite, human eye is comfortable.

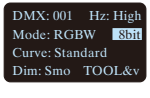
No flicker in video camera.

3. Mode



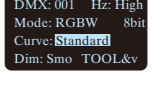
Press "∧" or "∨" key to choose.
Optional : Dim
CT
RGB
RGBW

4. Grey scale



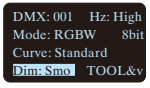
Press "∧" or "∨" key to choose.
Optional : 8bit
16bit (choose it if the master controller support this function)

5. Dimming curve



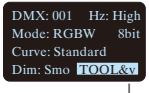
Press "∧" or "∨" key to choose.
Optional : Standard
Linear
LOG
0.1~9.9
It is recommended to use standard, 0.1-9.9 is for special requirements.

6. Enhance Dimming

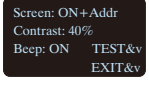


Press "∧" or "∨" key to choose.
Optional : Std (standard)
Smo (smooth)
✻ It is recommended to use standard.
Smo: This option with smooth processing, realize the dimming flicker-free and dynamic effects more downy.

7. Tool

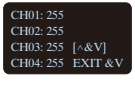


Press "∧" or "∨" key to enter submenu



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

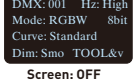
Screen: ON+Addr
Screensaver open and display address if undo for 2 minutes.



Brightness setting (range: 0~255)
Press"∧" or "∨" to next page
Press"∨" to exit

Change all value simultaneously (on the last page)

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

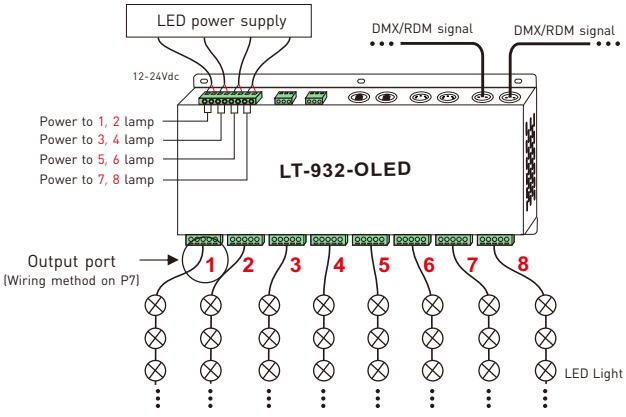


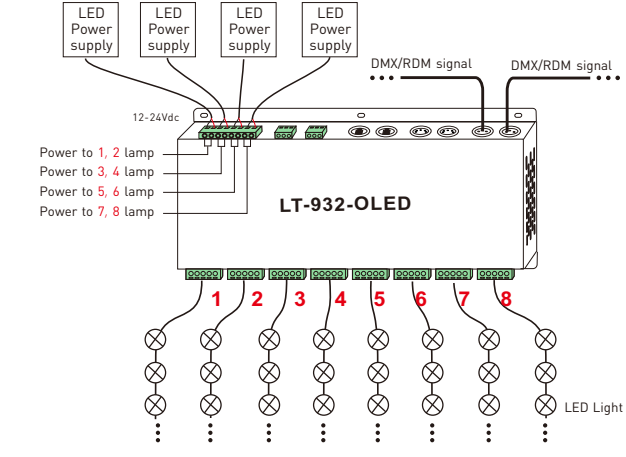
Screen: OFF
Screensaver not enable.

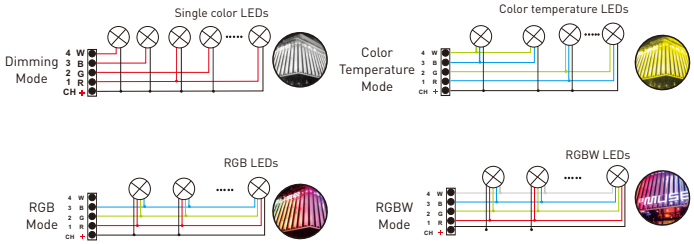
✻ Fast self-testing function: press "∧"or "∨" keys simultaneously for 2-3 seconds under any page, decoder will enter self-testing function.

Wiring diagram

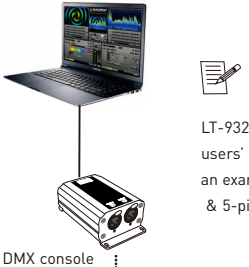
1 Connecting LED lights:



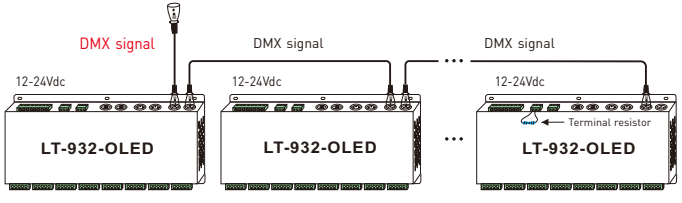




2. DMX console connection:

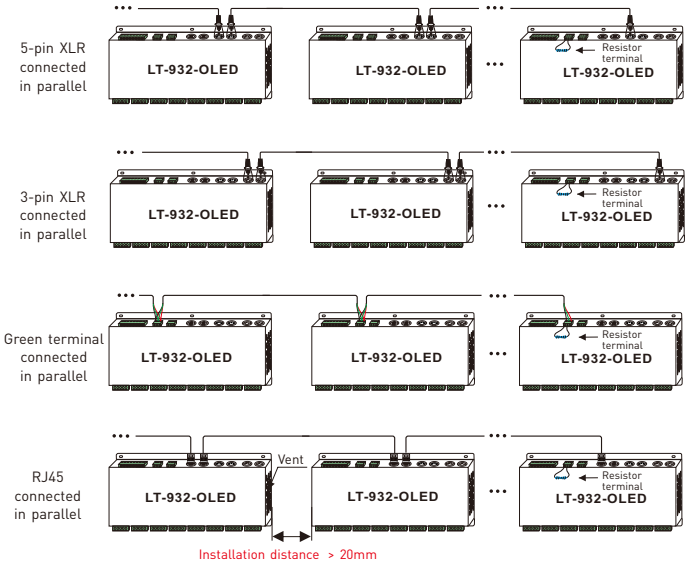


LT-932-OLED is equipped with 4 types DMX terminals for users' selection. The following diagram takes 3-pin XLR as an example, same connecting method for the rest three: RJ45 & 5-pin XLR & green terminal (with amplifier function).



* 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:

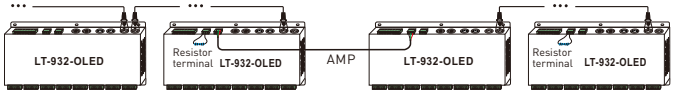


These 4 terminals can be connected in a mixed way.

✻ **Installation 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.

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.



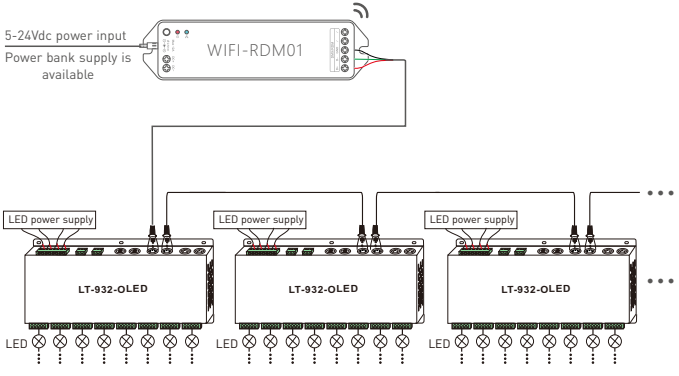
Address setting table

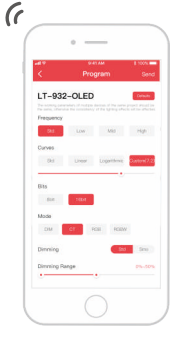
Mode		DIM	CT	RGB	RGBW
Address Quantity		8	16	24	32
Resolution		8bit	8bit	8bit	8bit
Channel	1	001	001	001	001
	2	001	002	002	002
	3	001	001	003	003
	4	001	002	003	004
	5	002	003	004	005
	6	002	004	005	006
	7	002	003	006	007
	8	002	004	006	008
	9	003	005	007	009
	10	003	006	008	010
	11	003	005	009	011
	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	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	003 004	005 006	007 008	009 010
	6	003 004	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	039 040	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

Work with RDM editor

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

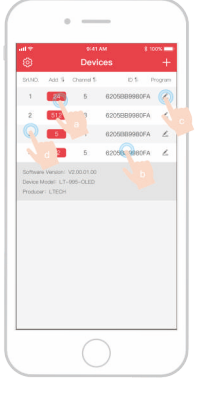


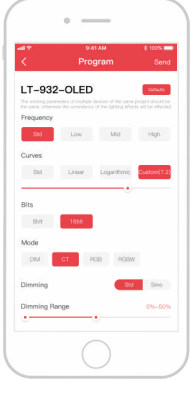


RDM editor App interface instruction

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", edited 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.

Update Time: 2018.08.08_A3