

DMX512 DECODER

LT-932-OLED

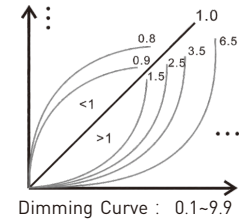


OLED display
8 bit / 16 bit
4 wiring methods
Dimming Curve: 0.1-9.9



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 the touch buttons.
3. 4 kinds of mode optional: single color, color temperature, RGB, RGBW
4. Support 4 kinds of DMX ports with signal isolation function: XLR-3, XLR-5, 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. 16bit/8bit resolution and multiple dimming curve optional.



XLR3



XLR5



RJ45



RDM



Photoelectric isolation



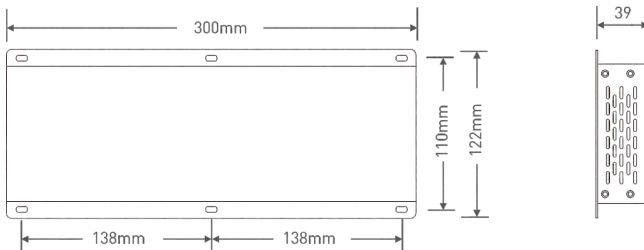
Display

Technical Specs:

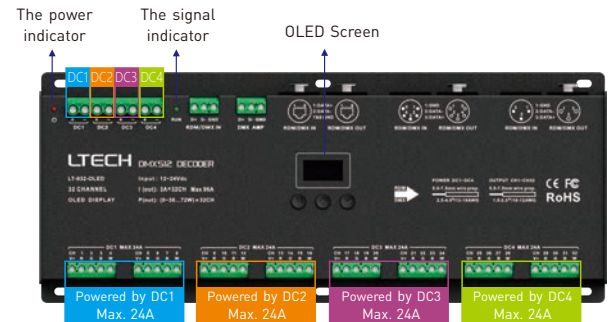
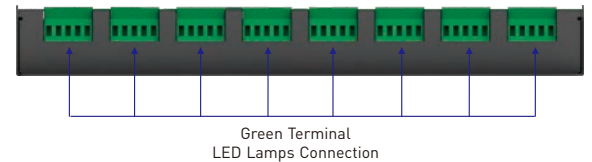
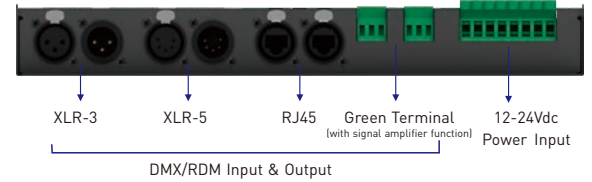
Model :	LT-932-OLED
Input Signal :	DMX/RDM
Input Voltage :	12-24Vdc
Current Load :	3A x 32CH Max 96A
Output Power :	(0~36W...72W)x 32CH Max 2304W
DMX Interface :	XLR-3, XLR-5, RJ45, Green terminal
Control Mode :	Dimming/CT/RGB/RGBW
Dimming Curve :	0.1~9.9
Grey Level :	8bit(256 levels) / 16bit(65536 levels)
Photoelectric Isolation :	Yes
Working Temperature :	-30°C~55°C
Dimensions :	L300xW122xH39mm
Package Size :	L309xW127xH41mm
Weight (G.W.) :	1050g



Product Size:



Main Component Description:



OLED Screen Interface:

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

Main page

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

1. DMX Address
 Setting

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

Press "∨" or "∨" key to set DMX address
 Range: 1-512

2. PWM
 Frequency

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

Press "∨" or "∨" key to switch frequency
 Optional: High
 Std (standard)

3. Mode

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

Press "∨" or "∨" key to switch mode
 Optional : Dim
 CT
 RGB
 RGBW

4. Resolution

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

Press "∨" or "∨" key to switch resolution
 Optional : 8bit
 16bit

5. Dimming Curve

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

Press "∨" or "∨" key to enter submenu



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

EXIT (Press"∨" key)

7. Test

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

Press "∨" or "∨" key to enter submenu



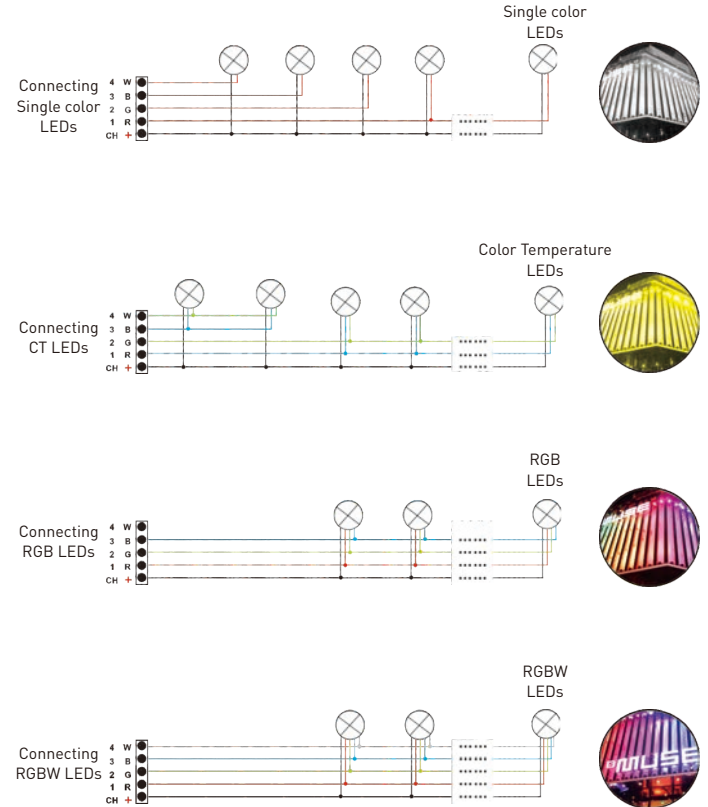
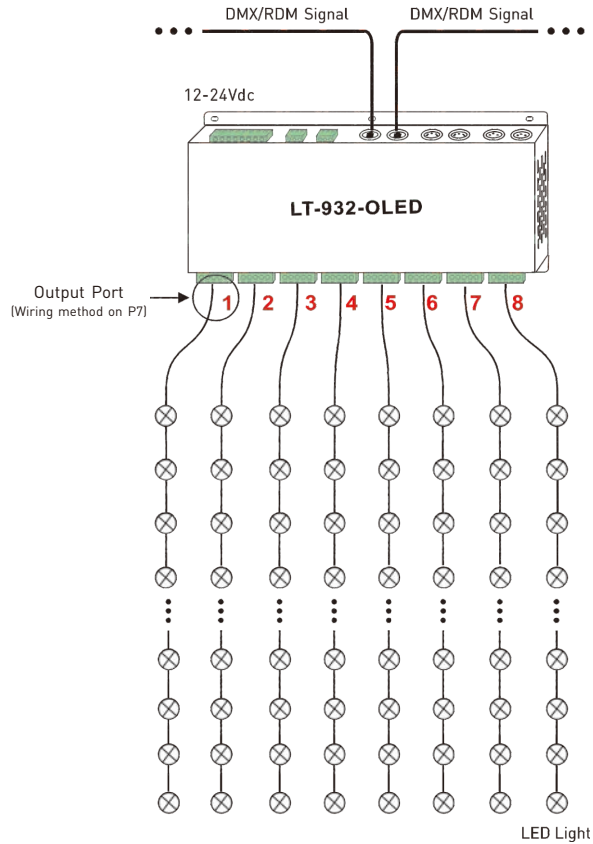
Brightness setting
 Range: 0~255

CH01: 255
 CH02: 255
 CH03: 255 [∧&V]
 CH04: 255 EXIT &V

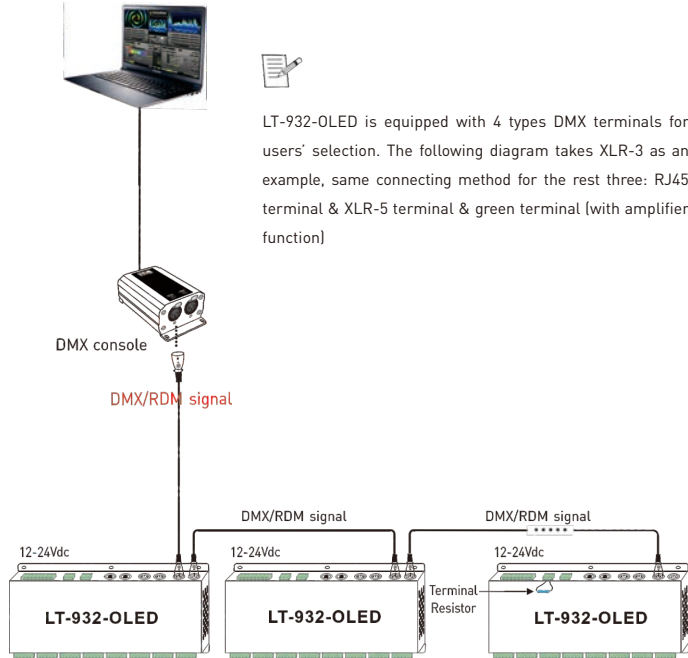
Page turning (press"∨" or "∨" key)
 EXIT (Press"∨" key)

Wiring diagram:

1 Connecting LED lights:



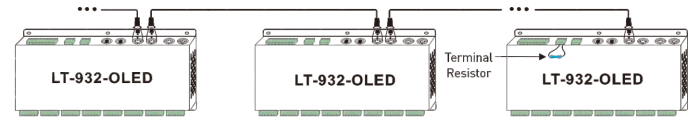
2. DMX console connection:



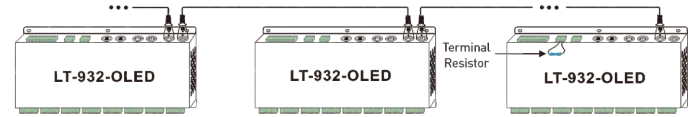
LT-932-OLED is equipped with 4 types DMX terminals for users' selection. The following diagram takes XLR-3 as an example, same connecting method for the rest three: RJ45 terminal & XLR-5 terminal & green terminal (with amplifier function)

- * 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.
- * An amplifier is needed when more than 32 decoders are connected, signal amplification should not be more than 5 times continuously.

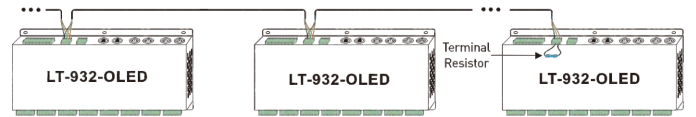
3. The connection diagram of 4 kinds of DMX/RDM terminals:



XLR-5 Connected in Parallel



XLR-3 Connected in Parallel



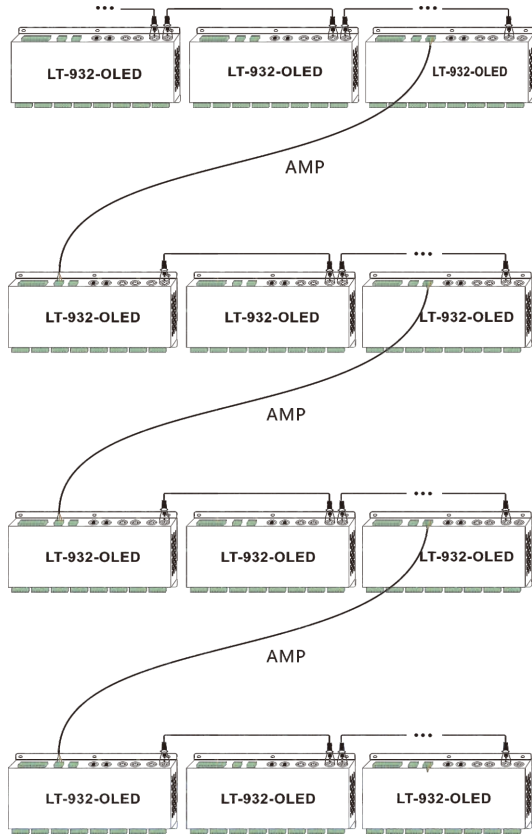
Green Terminal Connected in Parallel



RJ45 Connected in Parallel

These 4 terminals can be connected in a mixed way .

4. The connection diagram of AMP signal amplifier terminal:



* AMP interface can be used for signal amplification when too many DMX decoder are connected or signal line is too long, signal amplification should be no more than 5 times continuously.

Address setting table

Mode	DIM	CT	RGB	RGBW
Address Quantity	8	16	24	32
Resolution	8bit	8bit	8bit	8bit
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
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	008 010	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	014 014	024 024	030 030
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	020 020	030 030	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

Attention:

1. The product shall be installed and serviced by the qualified person.
2. This product is non-waterproof. Please avoid the sun and rain. When installed outdoors please ensure it is mounted in a water proof enclosure.
3. Good heat dissipation will prolong the working life of the controller. Please ensure good ventilation.
4. Please check if the output voltage of the LED power supply used comply with the working voltage of the product.
5. Please ensure that adequate sized cable is used from the controller to the LED lights to carry the current. Please also ensure that the cable is secured tightly in the connector.
6. Ensure all wire connections and polarities are correct before applying power to avoid any damages to the LED lights.
7. If a fault occurs, please return the product to your supplier. Do not attempt to fix this product by yourself.

Warranty Agreement:

1. We provide lifelong technical assistance with this product:
 - A 5-year warranty is given from the date of purchase. The warranty is for free repair or replacement if cover manufacturing faults only.
 - For faults beyond the 5-year warranty, we reserve the right to charge for time and parts.
 2. Warranty exclusions below:
 - Any man-made damages caused from improper operation, or connecting to excess voltage and overloading.
 - The product appears to have excessive physical damage.
 - Damage due to natural disasters and force majeure.
 - Warranty label, fragile label and unique barcode label have been damaged.
 - The product has been replaced by a brand new product.
 3. Repair or replacement as provided under this warranty is the exclusive remedy to the customer. We shall not be liable for any incidental or consequential damages for breach of any stipulation in this warranty.
 4. Any amendment or adjustment to this warranty must be approved in writing by our company only.
- ★ This manual only applies to this model. We reserve the right to make changes without prior notice.