



IED World LT-932-OLED 32 Channel DMX/RDM LED Color Decoder Instruction Manual

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IED World LT-932-OLED 32 Channel DMX/RDM LED Color Decoder

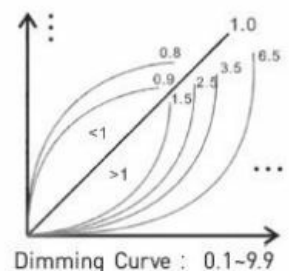


- Before you begin, read all warnings and installation instructions and save for future use.

SAFETY

WARNINGS

- This product is intended to be installed and serviced by a qualified licensed electrician.
- Install in accordance with the National Electric Code, and local regulations. Disconnect power before installing or servicing. Only power with a regulated (listed) constant voltage Class 2 power supply (12-24V DC).
- Ensure applicable wire is installed between driver, fixture, and any controls in between.
- When choosing wire, factor in voltage drop, amperage rating and type (in-wall rated, wet location rated, etc.). Inadequate wire installation could overheat wires and cause fire.
- This product is rated for indoor installation and only for dry locations. Avoid direct sun light.
- Do not modify this product beyond the instructions in this guide or the warranty will be voided
- Wiring diagrams in this installation guide for basic installations. Please carefully review your installation before proceeding.



PRODUCT FEATURES

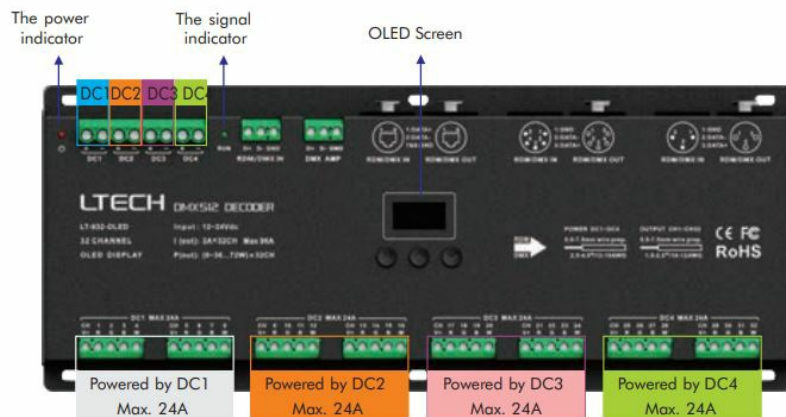
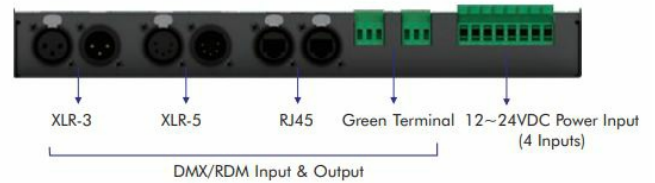
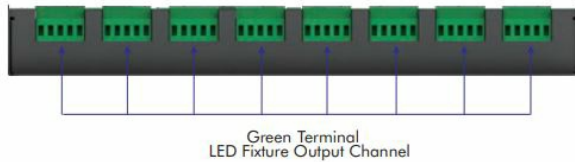
- Designed for hi-power multiple channels application
- 32 channels output, Max. 3A current per channel and up to 2304W output power.
- Easy address setting with OLED screen and the button control.

- 4 control modes: single color, CCT, RGB and RGBW
- Support 4 kinds of DMX ports with signal isolation function: XLR-3, XLR-5, RJ45 and green terminal (with signal amplifier function).
- DM remote management protocol for parameters browsing & setting, DMX address setting, equipment recognition operations.
- 16bit/8bit resolution and optional multiple dimming curves

PRODUCT PARAMETER

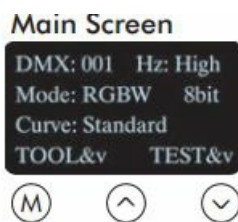
Input Signal	DMX/RDM
Input Voltage	DC 12V ~ DC24V (4 x Input)
Current Load	3A x 32CH Max 96A
Output Power	(0~36W~72W) x 32CH Max 2304W
DMX Interface	XLR-3, XLR-5, Rj45, Green Terminal
Control Mode	Dimming/CT/RGB/RGBW
Dimming Curve	0.1~9.9
Grey Level	8bit (256 levels) / 16bit (65536 levels)
Photoelectric Isolation	Yes
Working Temperature	-30°C ~ 55°C (-22°F ~ 131°F)
Dimensions	L 300 x W 122 x H 39 mm (L 11.81" x W 4.80" x H 1.53")
Weight	1.05Kg (2.31lbs)

COMPONENT DESCRIPTION



OLED SCREEN INTERFACE INSTRUCTIONS

Main Screen

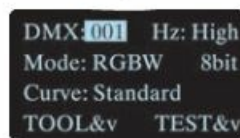


- Press the “M” key and switch entries.
- Press the “^” or “v” key, parameter adjustment.
- Long press the “M” key, back to the main screen
- **Exit:** back to the previous screen.

1. DMX Address Setting

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

2. PWM Frequency



- **Press** “v” ^ or key to switch frequency Frequency Set Options: High Std (standard)

3. Mode

- Press the “v” or “^” keys to switch mode
- **Mode Set Options :** Dim CT RGB RGBW

```

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

```

4. Resolution

- Press the “v” or ^”key to switch the resolution
- Resolution set Options 8bit 16bit

5. Dimming Curve

```

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

```

- Press “v” or ^ key to switch the dimming curve
- **Binding Curve set Options:** Linear 0.1~9.9

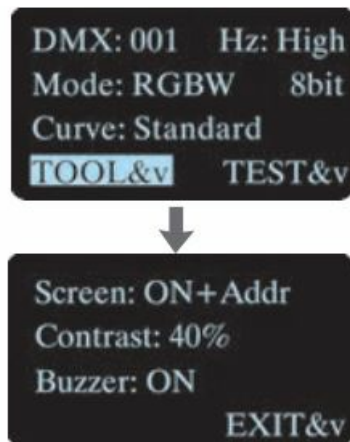
```

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

```

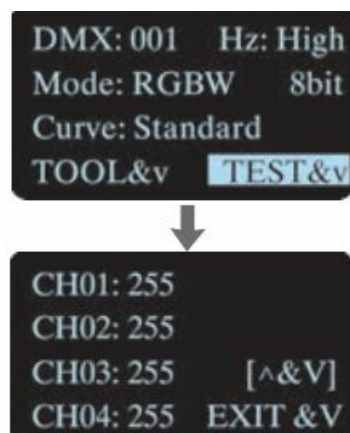
6. Tool

- Press the “^” or “v” key to enter a submenu
- EXIT (Press “v” key)



7. Test

- Press the “^” or “v” key to enter submenu
- **Brightness setting Range:** 0~255
- Next Page (Press “^” or “v” key) EXIT (Press “v” key)



ADDRESS SETTING TABLE

Mode		W	CCT	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

Channel

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		W	CCT	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	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

Channel

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

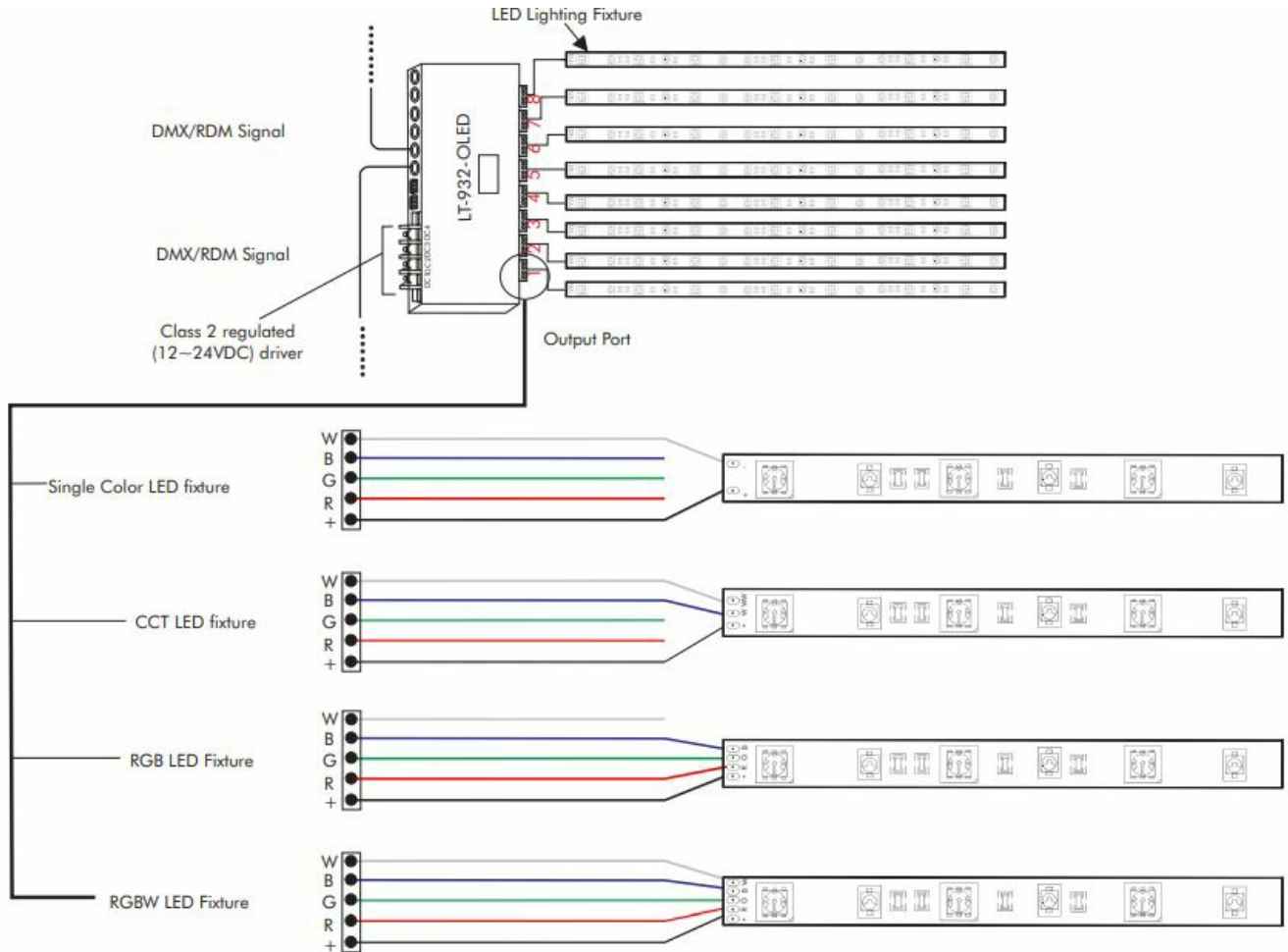
19	009 010	017 018	029 030	037 038
20	009 010	019 020	029 030	039 040
21	011 012	021 022	031 032	041 042
22	011 012	023 024	033 034	043 044
23	011 012	021 022	035 036	045 046
24	011 012	023 024	035 036	047 048
25	013 014	025 026	037 038	049 050
26	013 014	027 028	039 040	051 052

	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

LOW VOLTAGE INPUT:

- Input power to the DC+ and DC- with Class 2 regulated (low voltage) power source. Verify that the power supply is a listed, regulated Class 2 power supply.
- If attaching RGB Flex Strip to LT-932-OLED DMX512, correct polarity is imperative; Black (may be White) wire is positive (+) and goes to “V+” terminal. The common format is to insert the Red wire to Ch 1, Green wire to Ch2 and Blue wire to Ch3, so and so forth. If unit is set to DMX Channell, the unit will automatically occupy channels 1,2,3 on the master DMX console.

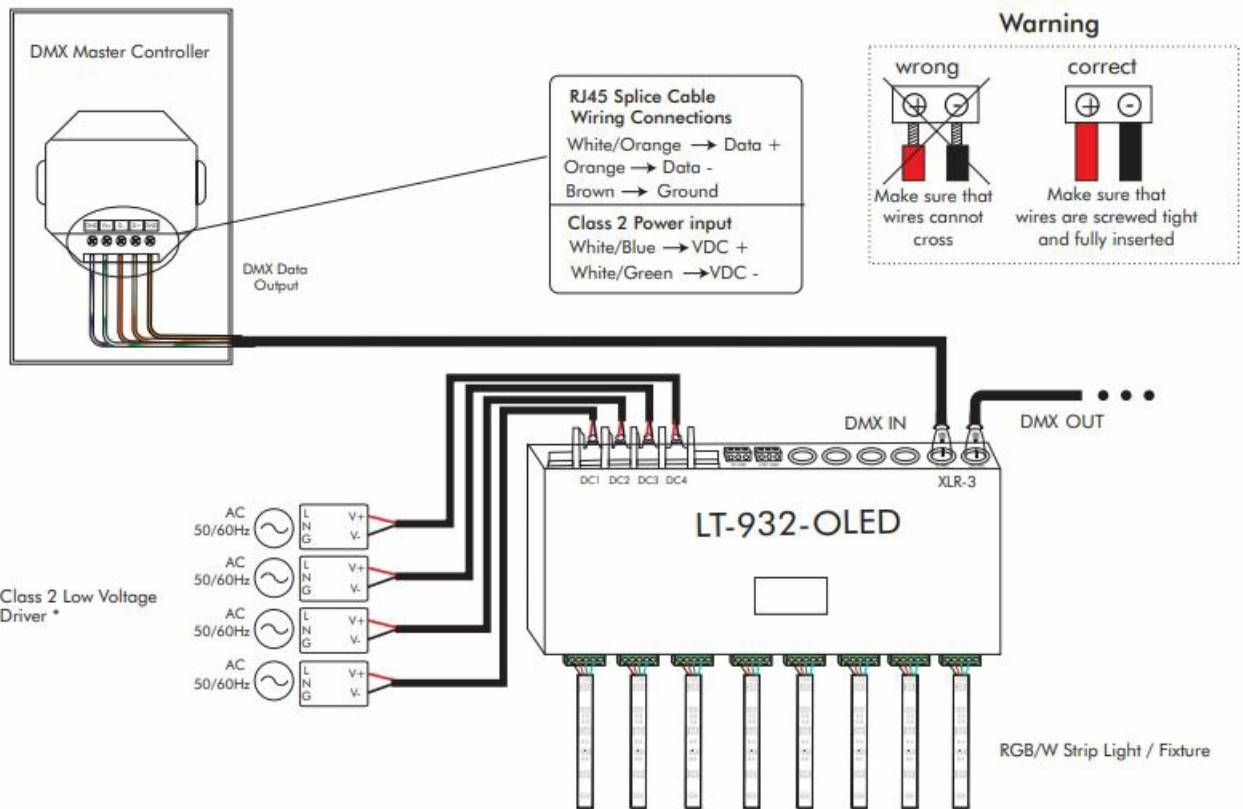
LED FIXTURE CONNECTION DIAGRAM



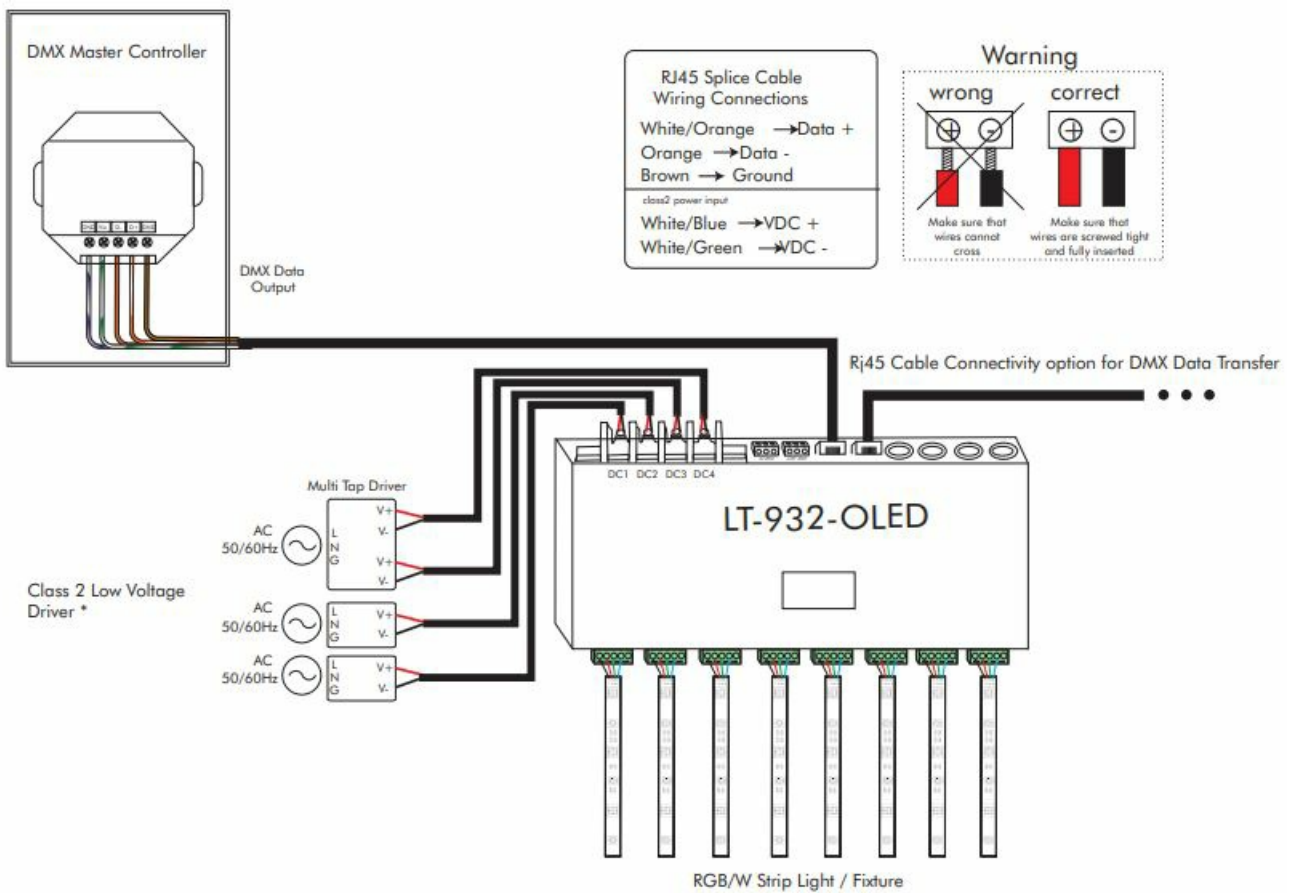
- **Warning:** Input voltage must be identical to output voltage of the LED Fixture!
- WIRE 6-8 MM (0.25-0.30")
- The exposed wire should not be more than 6- 8 mm long & solder tip (tinned). Do not allow Wires to cross and insure all exposed wire is fully inserted into the screw terminals. Hand-tighten screw terminals.
- **DC1~DC4 Power Input:** Use 13~ 10 AWG wire
- **Output Terminals:** Use 16~12 AWG wire

WIRING WITH MASTER CONTROLLER

Option 1:

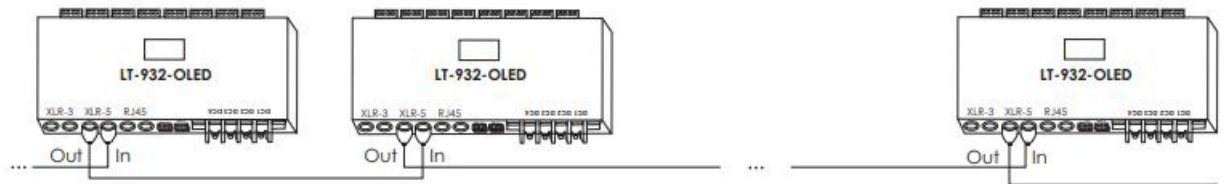


Option 2:

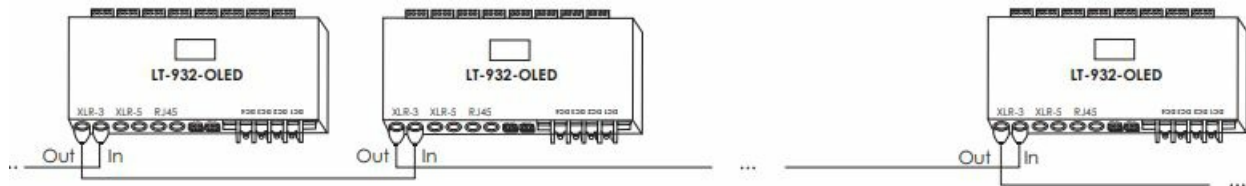


DMX/RDM TERMINAL CONNECTION OPTIONS

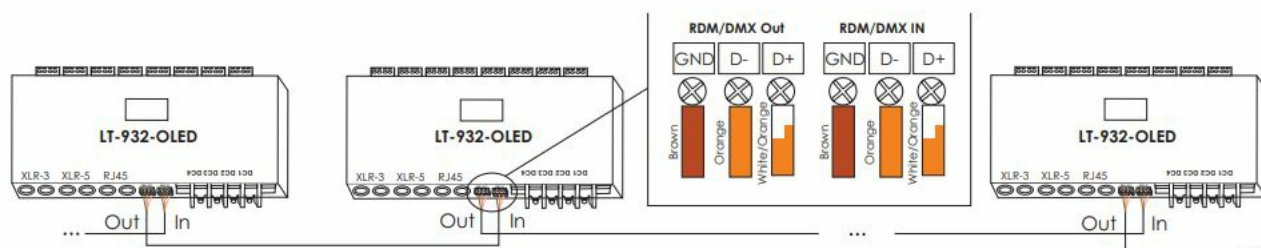
1. XLR-5 parallel connection



2. XLR-3 parallel connection

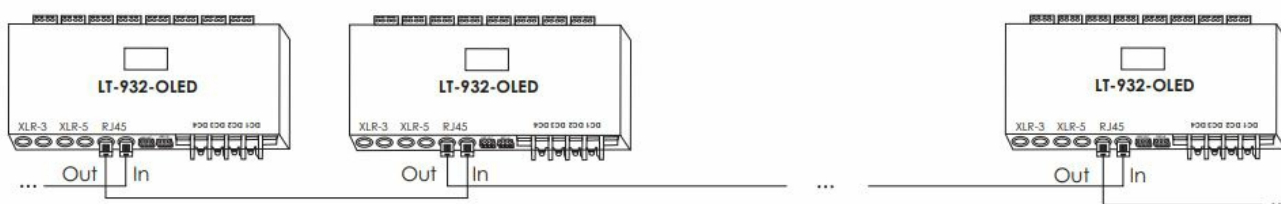


3. Green Terminal (AMP signal amplifier terminal) connection



- **Note:** AMP interface can be used for signal amplification when there are many DMX decoders connected or the signal line is too long. Signal application should not be more than 5 times continuously.

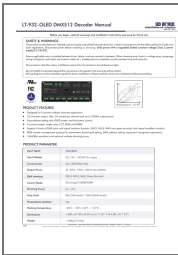
4. RJ45 parallel connection



WARRANTY

- This product comes with 3 years It warranty, lifelong technical maintenance. The warranty excludes improper connection to power supply, power overload, manual damages and improper use.
- Repair or replacement as provided under this warranty is exclusive remedy of the customer. We shall not be liable for any incidental or consequential damages for bench of any stipulation in this warranty.
- LED World Inc. | # 130 10615 48 ST SE | CALGARY, AB T2C 2B7 | CANADA | Version 1.1 12/22/22
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Documents / Resources



[LED World LT-932-OLED 32 Channel DMX/RDM LED Color Decoder](#) [pdf] Instruction Manual
LT-932-OLED 32 Channel DMX RDM LED Color Decoder, LT-932-OLED, 32 Channel DMX RD
M LED Color Decoder, RDM LED Color Decoder, Color Decoder, Decoder

References

- [!\[\]\(687b6c142f51ac6f390f8bd444e38d03_img.jpg\) LED World Canada](#)
- [!\[\]\(861b7aaa71df51b93037a486c3b17630_img.jpg\) LED World USA](#)