LED Decoder DMX OLED 5x6A - LT-995-OLED 2279400

General

Product Type	Constant Voltage Driver
Length (mm)	169
Width (mm)	80
Height (mm)	39
Housing Color	Black
Housing Material	Metal
Mounting	Surface mounted
Weight (g)	550

Electronics

Input Domain	DC
Input Voltage	12 ~ 24V DC
Output Voltage	12 ~ 24 V DC
Output Current (mA) max/output	6000
Output Current Max. (A)	30
Output Power (W)	360W @ 12V, 720W @ 24V
Power Supply	N/A
LED Outputs	5

Lighting

Color Range	RGBW

Control

Output Signal	PWM-CV
Control	DMX
RDM Support	Yes
Dimming Range	0~100%
Driver Configuration	Digital
Number of Channels	5

Environmental

Operating Temperature	-30 ~ +65 °C
Ingress Protection	IP20

CE IP20 5 year warranty

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Paper size: A4

LTECH

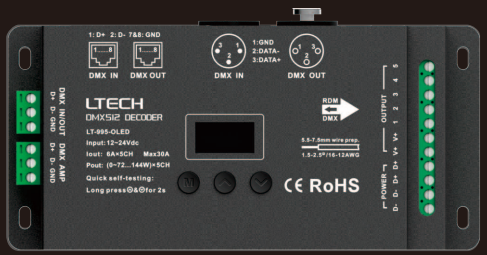
DMX512 DECODER

LT-995-OLED

5 CHANNELS

OLED display
8 bit / 16 bit
3 kinds of DMX interfaces
Dimming Curve: 0.1~9.9
Shortcut / Over load protection

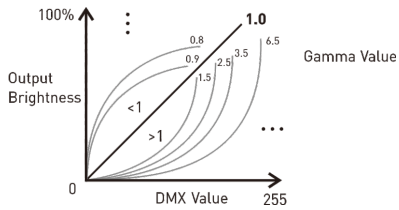
RDM
DMX



www.ltech-led.com

Product Introduction:

1. Designed with 5 channels output, and Max. 6A current per channel, up to 720W output power.
2. Easy operation with OLED screen and the touch buttons.
3. 5 kinds of mode optional: single color, CT, RGB, RGBW, RGBWY.
4. Support 3 kinds of DMX ports with signal isolation function: 3-pin XLR, RJ45, green terminal.
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 shortcut protection and over load protection, as well as warning function when fault.
7. With fast self-testing function.
8. 16bit (65536 levels) / 8bit (256 levels) grey level optional.
9. Multiple dimming curve (0.1~9.9) optional.



3-pin XLR | RJ45 | RDM | Shortcut Protection | Over load Protection | Display

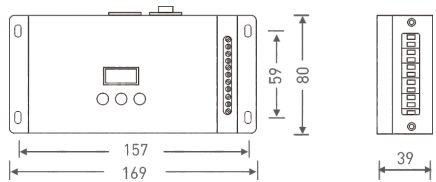
Technical Specs:

Model :	LT-995-OLED
Input Signal :	DMX512/RDM
Input Voltage :	12~24Vdc
Current Load :	6A × 5CH Max. 30A
Output Power :	(0~72W...144W) × 5CH Max. 720W
DMX Interface :	3-pin XLR, RJ45, green terminal
Control Mode :	Dimming/CT/RGB/RGBW/RGBWY
Dimming Curve :	0.1~9.9
Grey Level :	8bit (256 levels) / 16bit (65536 levels)
Protection:	Shortcut / Over load
Working Temperature :	-30℃~65℃
Dimensions :	L169×W80×H39mm
Package Size :	L182×W91×H41mm
Weight (G.W.) :	550g

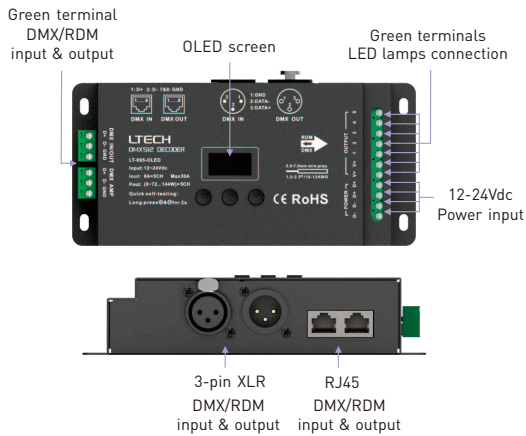
FC CE RoHS warranty 5 years ISO9001:2008

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
No flicker in video camera.
Smooth and delicate, human eye is comfortable.
✻ It is recommended to use standard.

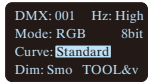
3. Mode

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

4. Grey Level

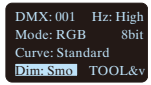
Press "∧" or "∨" key to choose.
Optional : 8bit
16bit (choose it if the master controller support this function)

5. Dimming Curve



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

6. Enhance Dimming

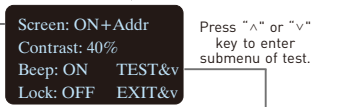


Press "∧" or "∨" key to choose.
Optional : Std (standard)
Smo (smooth)
✻ It is recommended to use standard,

Smo: This option with smooth processing, realize the dimming flicker-free and dynamic effects more downy.

7. Tool

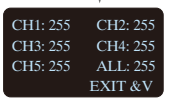
Press "∧" or "∨" key to enter submenu



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

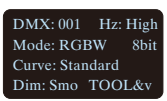
Screen: ON+Addr
Screensaver open and display address.

Lock: **ON**
Screen will be locked if unmanned operation for 2 min, press "M" key for 3s to unlock.



Brightness setting (range: 0~255)
Press"∨" to exit

Screen: ON+black
Screensaver open and black.

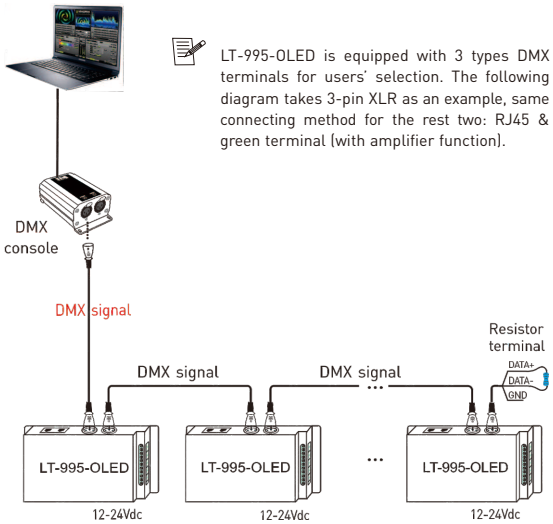


Screen: OFF
Screensaver is not open.

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

Wiring Diagram:

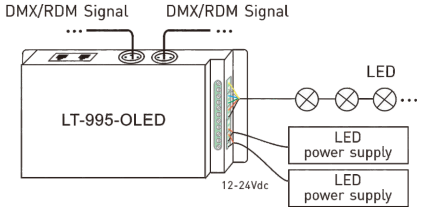
1. DMX console connection:

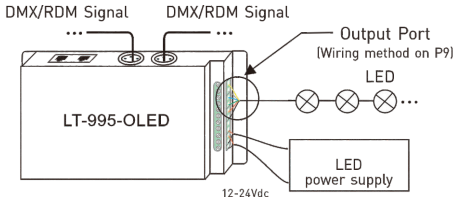


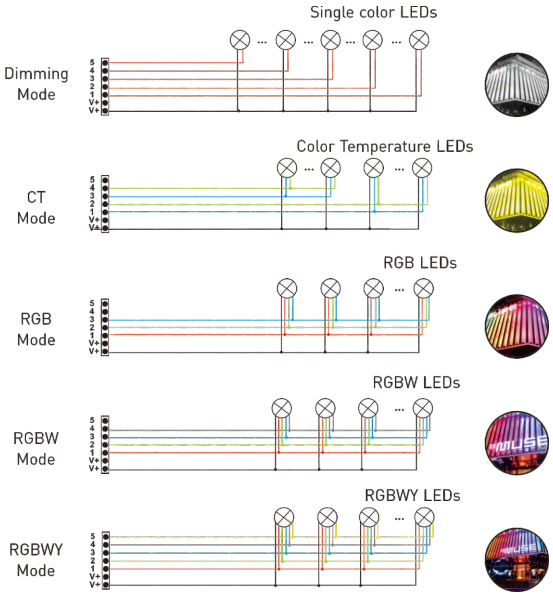
LT-995-OLED is equipped with 3 types DMX terminals for users' selection. The following diagram takes 3-pin XLR as an example, same connecting method for the rest two: RJ45 & green terminal (with amplifier function).

* 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.

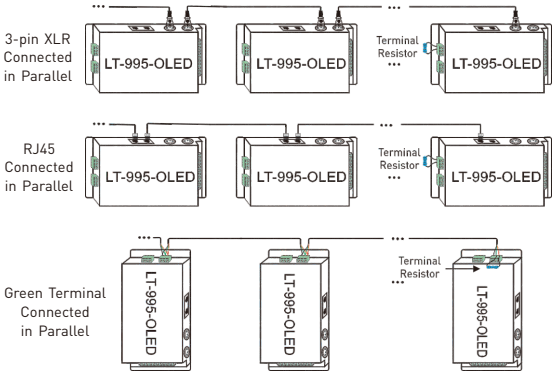
2 Connecting LED lights:







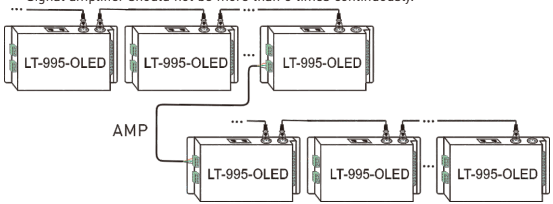
3. The connection diagram of 3 kinds of DMX/RDM terminals:



These 3 terminals can be connected in a mixed way.

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	RGBWY
Address Quantity		1	2	3	4	5
Resolution		8bit	8bit	8bit	8bit	8bit
Channel	1	001	001	001	001	001
	2	001	002	002	002	002
	3	001	001	003	003	003
	4	001	002	003	004	004
	5	001	002	003	004	005

Mode		DIM	CT	RGB	RGBW	RGBWY
Address Quantity		2	4	6	8	10
Resolution		16bit	16bit	16bit	16bit	16bit
Channel	1	001 002	001 002	001 002	001 002	001 002
	2	001 002	003 004	003 004	003 004	003 004
	3	001 002	001 002	005 006	005 006	005 006
	4	001 002	003 004	005 006	007 008	007 008
	5	001 002	003 004	005 006	007 008	009 010

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.