

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



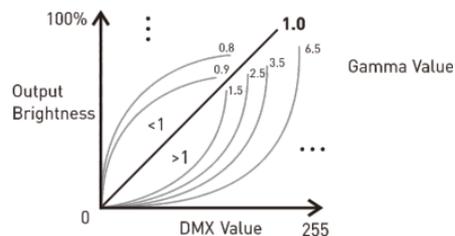
www.ltech-led.com

www.ltech-led.com

LTECH

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°C~65°C
Dimensions :	L169×W80×H39mm
Package Size :	L182×W91×H41mm
Weight [G.W.] :	550g

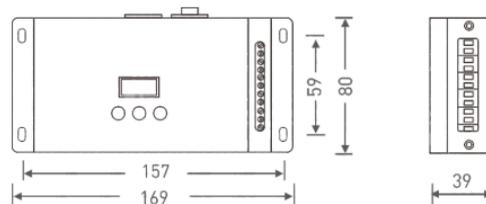
FC CE RoHS

[warranty]
5 years

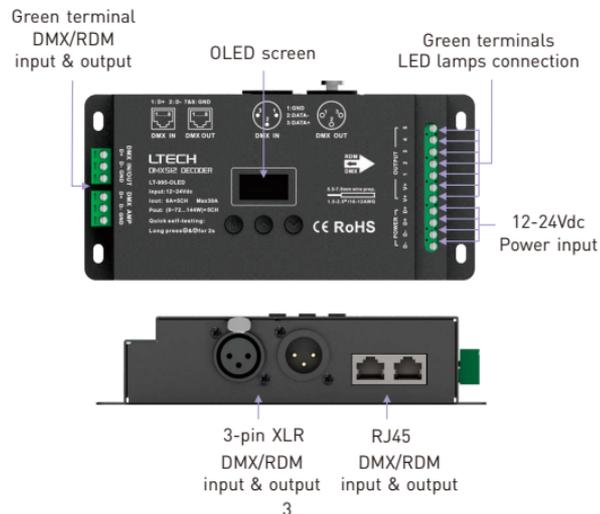


Product Size:

Unit: mm



Main Component Description:



OLED Screen Interface:



M ^ v

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 Setting

DMX: 001 Hz: High
 Mode: RGB 8bit
 Curve: Standard
 Dim: Smo TOOL&v

Main page

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

2. PWM Frequency

DMX: 001 Hz: High
 Mode: RGB 8bit
 Curve: Standard
 Dim: Smo TOOL&v

Press "^" or "v" key to choose.

Optional :

Std (standard) No flicker in video camera.
 High
 Mid (middle)
 Low
 Smooth and delicate. * It is recommended to use standard.
 human eye is comfortable.

3. Mode

DMX: 001 Hz: High
 Mode: RGB 8bit
 Curve: Standard
 Dim: Smo TOOL&v

Press "^" or "v" key to choose.

Optional : Dim
 CT
 RGB
 RGBW
 RGBWY

4. Grey Level

DMX: 001 Hz: High
 Mode: RGB 8bit
 Curve: Standard
 Dim: Smo TOOL&v

Press "^" or "v" key to choose.

Optional : 8bit

16bit (choose it if the master controller support this function)

5. Dimming Curve

DMX: 001 Hz: High
 Mode: RGB 8bit
 Curve: Standard
 Dim: Smo TOOL&v

Press "^" or "v" 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

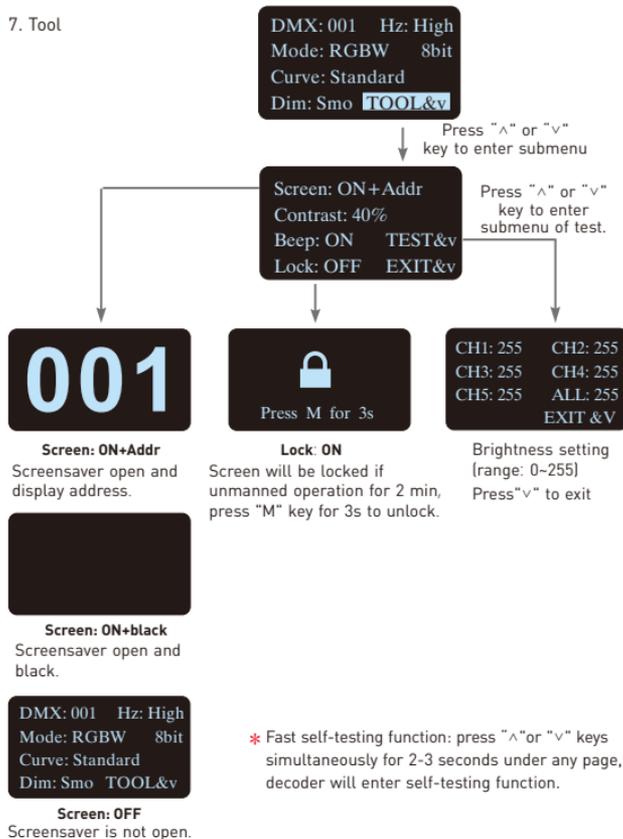
DMX: 001 Hz: High
 Mode: RGB 8bit
 Curve: Standard
 Dim: Smo TOOL&v

Press "^" or "v" 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

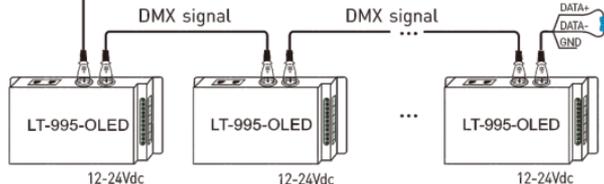


Wiring Diagram:

1. DMX console connection:

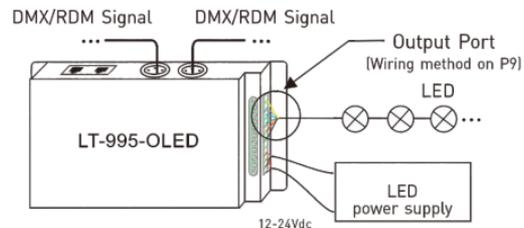
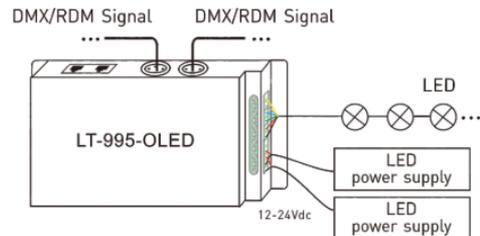


DMX signal

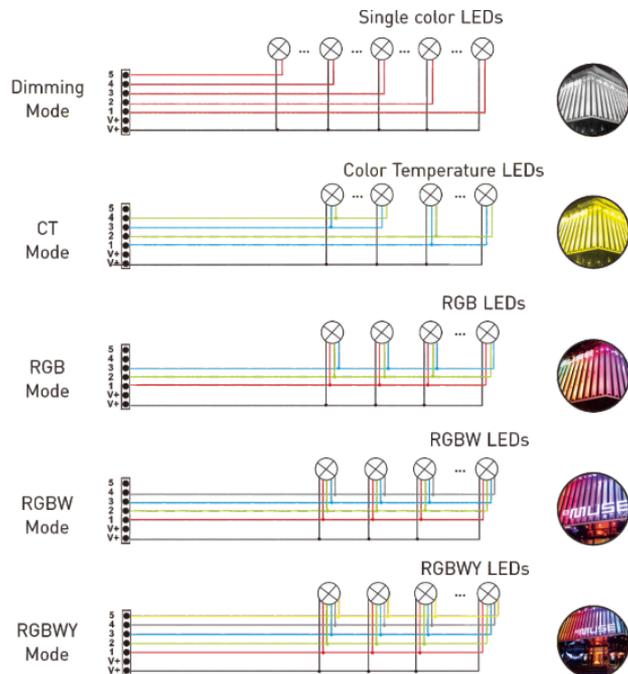


LT-995-OLED is equipped with 3 types DMX terminals for users' selection. The following diagram takes 3-pin XLR as an example, same connecting method for the rest two: RJ45 & green terminal (with amplifier function).

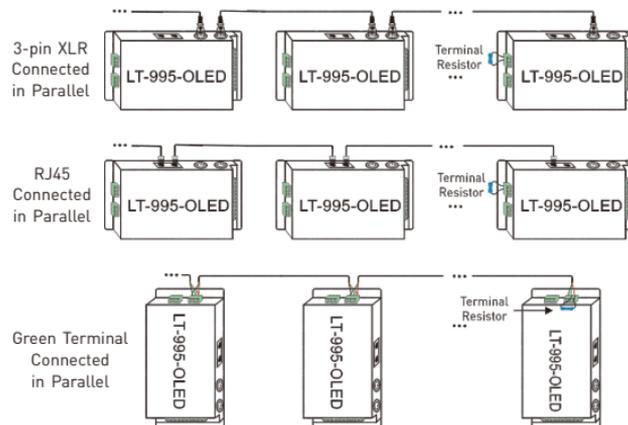
2 Connecting LED lights:



* 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.



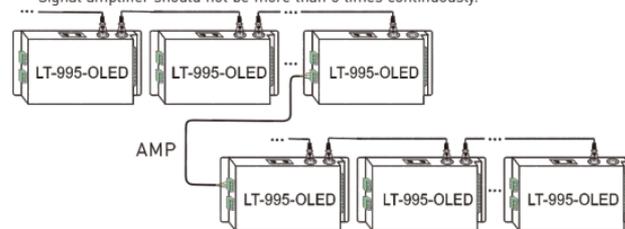
3. The connection diagram of 3 kinds of DMX/RDM terminals:



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:

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

Warranty Agreement:

- 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.
 - 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.
 - 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.
 - 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.