LTECH

DMX512 DECODER

LT-995-OLED

5 CHANNELS

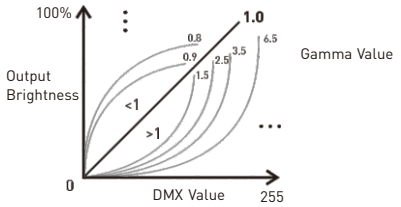
OLED display
8 bit / 16 bit
3 kinds of DMX interfaces
Dimming Curve: 0.1–9.9
Short circuit/Over current/Over-heat protection

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 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.

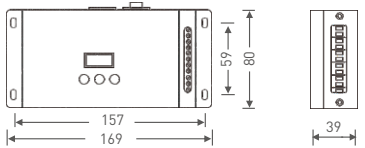


3-pin XLR | RJ45 | RDM | Photoelectric isolation | Short circuit Protection | Over current protection | Over-heat protection | Display

Technical Specs:

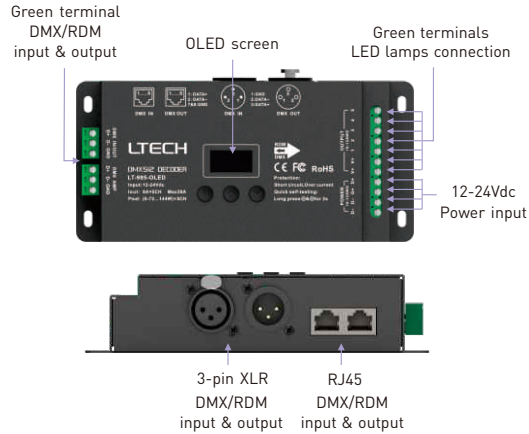
Model :	LT-995-OLED
Input Signal :	DMX512/RDM
Input Voltage :	12~24Vdc
Current Load :	6A × 5CH Max. 30A
Output Power :	(0~72W...144W) × 5CH Max. 720W
DMX Interface :	3-pin XLR, RJ45, green terminal
Control Mode :	Dimming/CT/RGB/RGBW/RGBWY
Dimming Curve :	0.1~9.9
Grey Level :	8bit (256 levels) / 16bit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

Product Size: Unit: mm



FC CE RoHS warranty 5 years ISO9001:2008

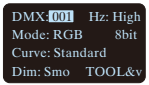
Main Component Description:



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



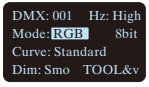
Main page

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

2. PWM Frequency

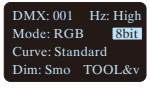
Press "∧" or "∨" key to choose.
Optional :
Std (standard)
High
Mid (middle)
Low
No flicker in video camera.
Smooth and delicate, human eye is comfortable.
∗ It is recommended to use standard.

3. Mode



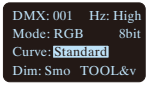
Press "∧" or "∨" key to choose.
Optional : Dim / CT
RGB / RGBW / RGBWY

4. Grey Level



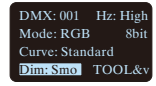
Press "∧" or "∨" key to choose.
Optional : 8bit
16bit (choose it if the master controller support this function)

5. Dimming Curve



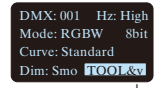
Press "∧" or "∨" key to choose.
Optional : Standard
Linear
LOG
0.1~9.9
It is recommended to use standard, 0.1-9.9 is for special requirements.

6. Enhance Dimming

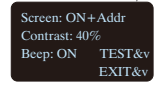


Press "∧" or "∨" key to choose.
Optional : Std (standard)
Smo (smooth)
∗ It is recommended to use standard,
Smo: This option with smooth processing, realize the dimming flicker-free and dynamic effects more downy.

7. Tool

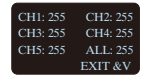


Press "∧" or "∨" key to enter submenu



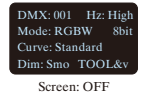
Press "∧" or "∨" key to enter submenu of test.

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



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

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

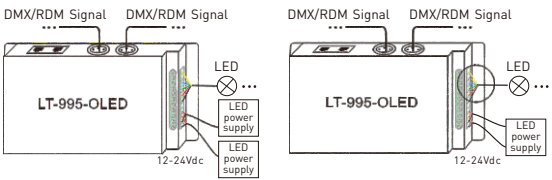


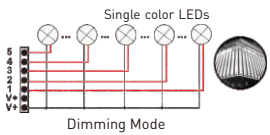
Screen: OFF
Screensaver not enable.

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

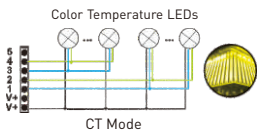
Wiring Diagram:

1 Connecting LED lights:

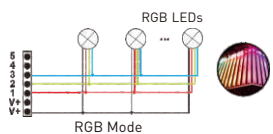




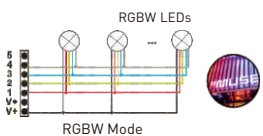
Dimming Mode



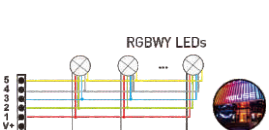
CT Mode



RGB Mode

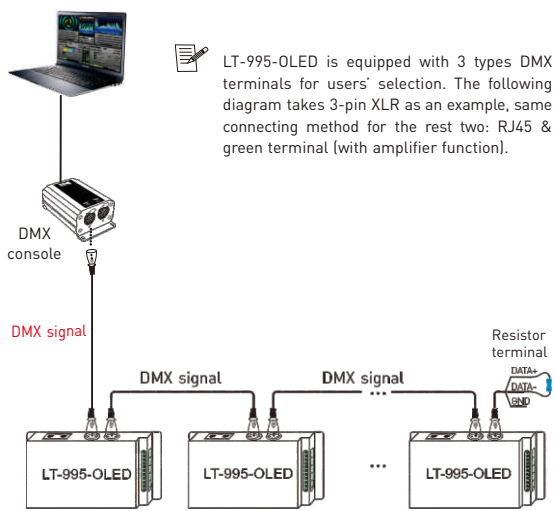


RGBW Mode



RGBWY Mode

2. DMX console connection:

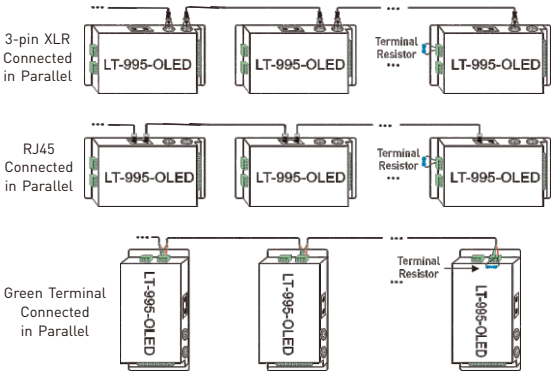


LT-995-OLED is equipped with 3 types DMX terminals for users' selection. The following diagram takes 3-pin XLR as an example, same connecting method for the rest two: RJ45 & green terminal (with amplifier function).

* An amplifier is needed if more than 32 decoders are connected or use overlong signal line, signal amplification should not be more than 5 times continuously.

* 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.

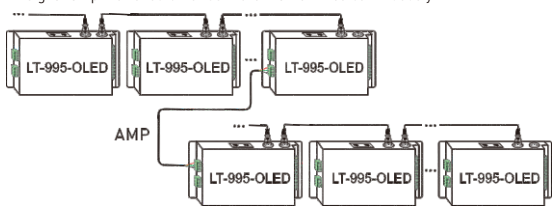
3. The connection diagram of 3 kinds of DMX/RDM terminals:



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.



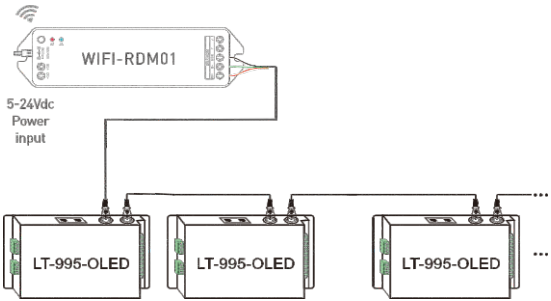
Address setting table

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

Work with RDM editor:

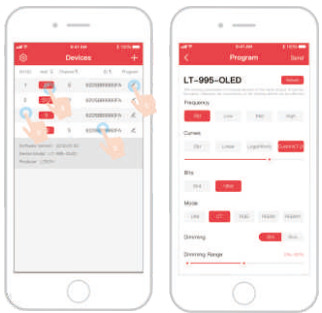
LT-995-OLED can work with LTECH RDM editor (Model: WiFi-RDM01) to realize changing the parameters by long-range setting, wiring diagram as below:



RDM editor App interface instruction

Download the App, setting the LT-995-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