LTECH

DMX512 DECODER

LT-905

5 CHANNELS

8 bit / 16 bit

2 kinds of DMX interfaces

Shortcut / Over load protection

RDM
DMX

Product Introduction:

1. Designed with 5 channels output, and Max. 5A current per channel, up to 600W output power.

2. Easy operation with digital display and the touch buttons.

3. Support 2 kinds of DMX ports: 3-pin XLR, RJ45.

4. 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.

5. With shortcut protection and over load protection, as well as warning function when fault.

6. With fast self-testing function.

7. High/low PWM frequency for optional

8. 16bit (65536 levels) / 8bit (256 levels) grey level optional.

FC CE RoHS warranty 5 years

ISO9001:2008

3-pin XLR   RJ45   RDM   Shortcut Protection   Over load Protection

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## Technical Specs:

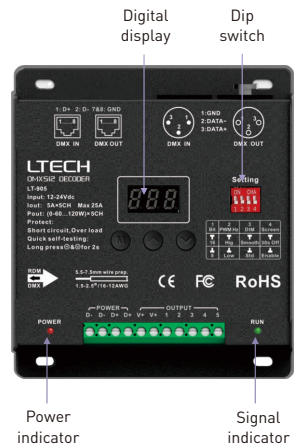|	
Model:	LT-905
Input Signal:	DMX512/RDM
DMX Interface:	3-pin XLR, RJ45
Input Voltage:	12~24Vdc
Current Load:	5A × 5CH Max. 25A
Output Power:	(0~60W...120W) × 5CH
	Max. 600W
Grey Level:	8bit (256 levels) / 16bit (65536 levels)

Protection:	Shortcut / Over load
Working Temp.:	-30℃~65℃
Dimensions:	L122×W110×H37mm
Package Size:	L127×W123×H41mm
Weight (G.W.):	550g

Product Size:

The Unit: mm

110   122

86

110

37
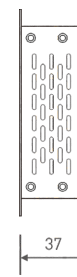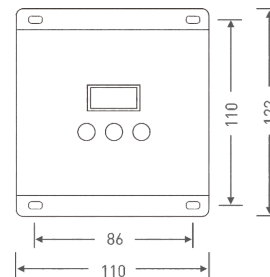
Main Component Descripition:

Digital display   Dip switch
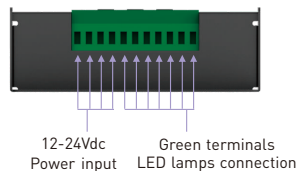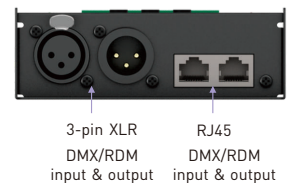
Power indicator

Signal indicator

Digital display

- Digital display will enter the locked mode without operating after 15S.
- Long press "M" key to unlock.
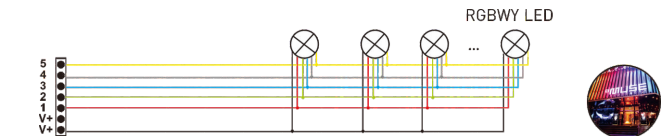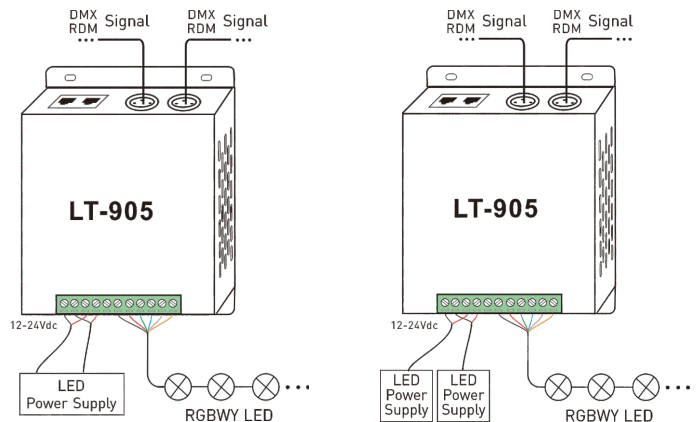- Short press "M" key to switch numbers.
- Press "∧""∨" key to adjust value.

M   ∧   ∨

Dip switch

ON CHA
1 2 3 4

	1 Bit	2 PWM Hz	3 DIM	4 Screen
	⬇ 16	⬇ Hig	⬇ Smooth	⬇ 30S off
	⬆ 8	⬆ Low	⬆ Std	⬆ Enable

3-pin XLR   RJ45
DMX/RDM   DMX/RDM
input & output   input & output

12-24Vdc   Green terminals
Power input   LED lamps connection

Wiring Diagram:

1 Connecting LED lights:

DMX RDM Signal   DMX RDM Signal

LT-905

12-24Vdc

LED Power Supply

RGBWY LED

DMX RDM Signal   DMX RDM Signal

LT-905

12-24Vdc

LED Power Supply   LED Power Supply

RGBWY LED

RGBWY LED

5
4
3
2
1
V+
V+

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2. DMX console connection:
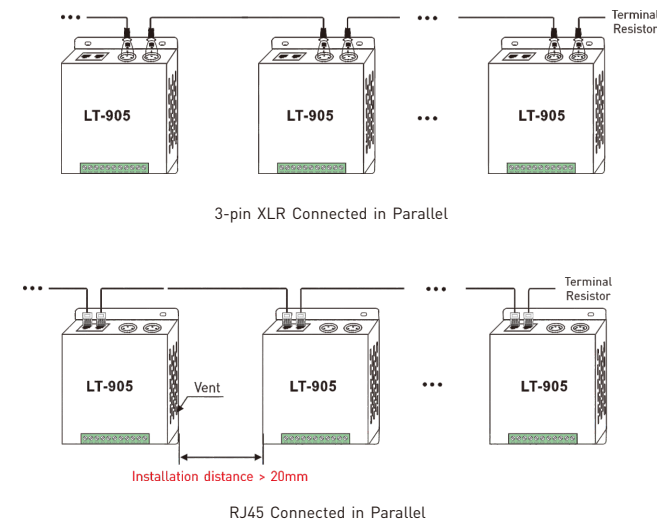

DMX console

DMX signal
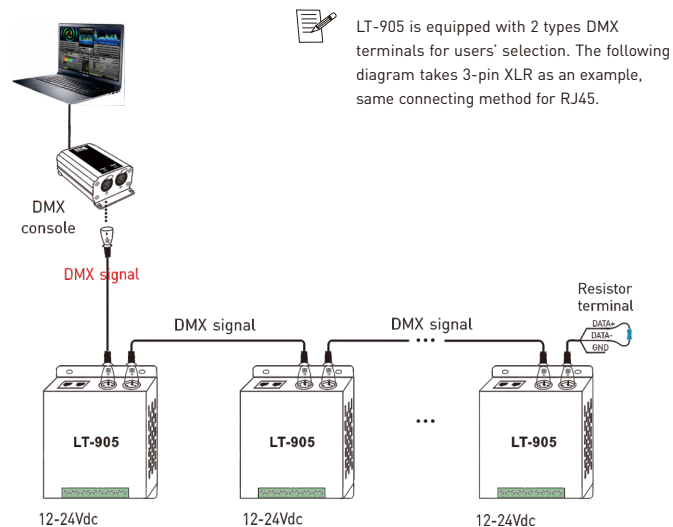
LT-905 is equipped with 2 types DMX terminals for users' selection. The following diagram takes 3-pin XLR as an example, same connecting method for RJ45.

DMX signal   DMX signal

Resistor terminal
DATA+
DATA-
GND

LT-905   LT-905   LT-905

12-24Vdc   12-24Vdc   12-24Vdc

✳ An amplifier is needed if more than 32 decoders are connected or use overlong signal wire, 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.

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3. The connection diagram of 2 kinds of DMX/RDM terminals:

Terminal Resistor

LT-905   LT-905   LT-905

3-pin XLR Connected in Parallel

Terminal Resistor

LT-905   Vent   LT-905   LT-905

Installation distance > 20mm

RJ45 Connected in Parallel

These 2 terminals can be connected in a mixed way**.**

✳ **Installation Attention :** please reserve enough ventilation distance between decoders (>20mm), be sure not to block the vent, or will affect lifetime of decoder for poor heat dissipation.