

LTECH

DMX512 DECODER

LT-905

5
CHANNELS

8 bit / 16 bit

2 kinds of DMX interfaces

OTP/OCF/SCP protection




Photoelectric
Isolation



www.ltech-led.com

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 touch buttons.
3. 3-pin XLR, RJ45 DMX interface with photoelectric isolation, improve signal transmission efficiency and anti-interference ability.
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 firmware upgrade function.
6. With short circuit / over-heat / over current protection, as well as warning function when fault.
7. With power-on state management and fast self-testing function.
8. High/low PWM frequency for option.
9. 16bit (65536 levels) / 8bit (256 levels) grey level for option.



3-pin XLR



RJ45



Photoelectric
isolation



RDM



Short circuit
Protection



Over-heat
protection



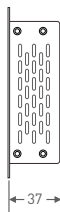
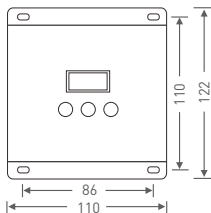
Over current
Protection



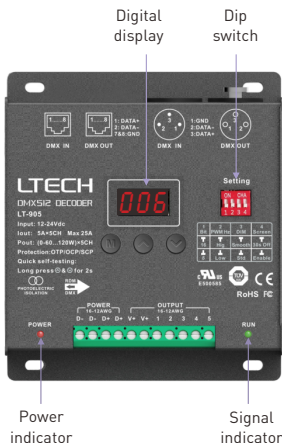
Technical Specs

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)
Photoelectric Isolation:	Yes
Protection:	Short circuit / Over-heat / Over current protection, recover automatically.
Working Temp.:	-30°C~65°C
Dimensions:	L122×W110×H37mm
Package Size:	L127×W123×H41mm
Weight (G.W.):	550g

Unit: mm



Main Component Description



Digital display



M ^ v

- 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 "^" "v" key to adjust value.

Dip switch

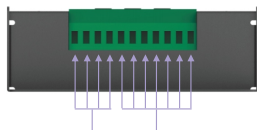


1	2	3	4
Bit	PWM Hz	DIM	Screen
↑	↑	↑	↑
16	Hig	Smooth	30S off
↓	↓	↓	↓
8	Low	Std	Enable



3-pin XLR
DMX/RDM
input & output

RJ45
DMX/RDM
input & output

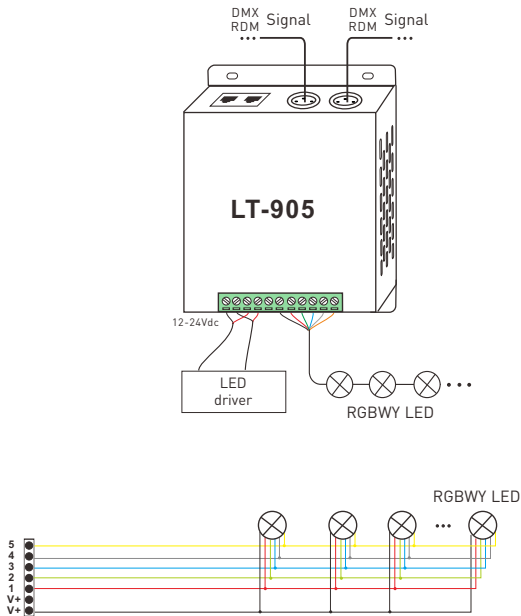


12-24Vdc
Power input

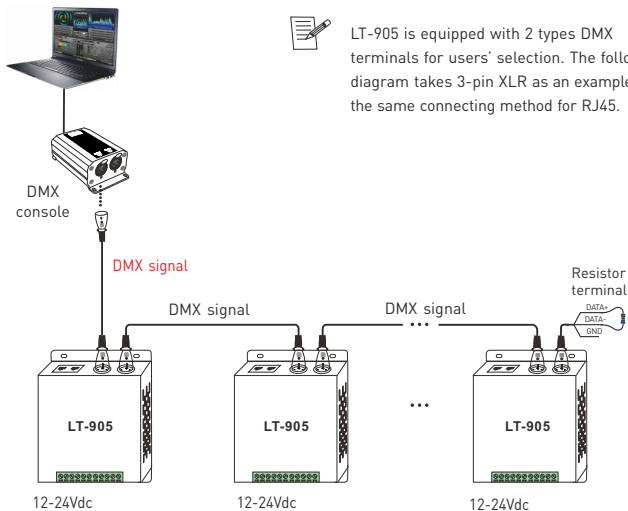
Green terminals
LED lamps connection

Wiring Diagram

1 Connecting LED lights:



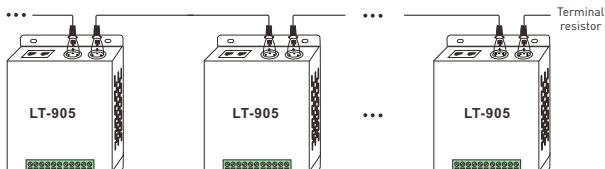
2. DMX console connection:



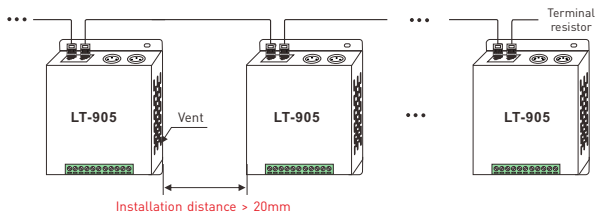
LT-905 is equipped with 2 types DMX terminals for users' selection. The following diagram takes 3-pin XLR as an example, the same connecting method for RJ45.

- * 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 2 kinds of DMX/RDM terminals:



3-pin XLR connected in parallel



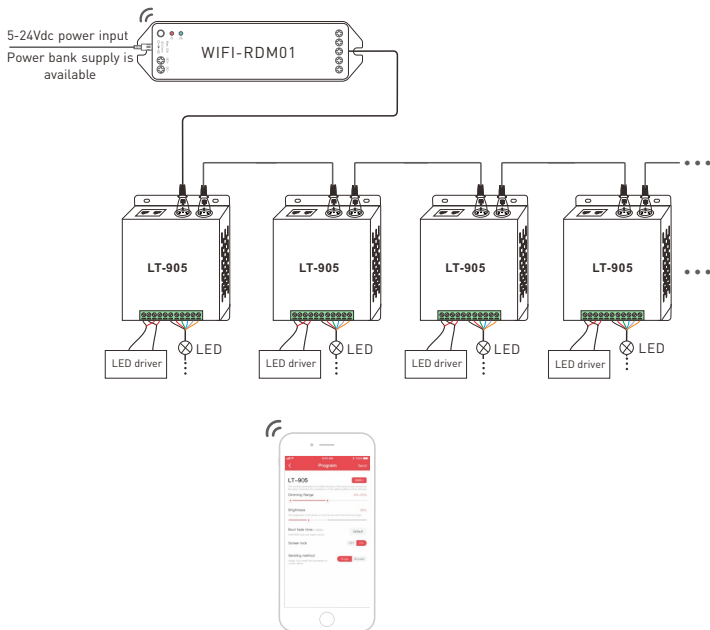
Rj45 connected in parallel

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 it will affect lifetime of the decoder for poor heat dissipation.

Work with RDM Editor

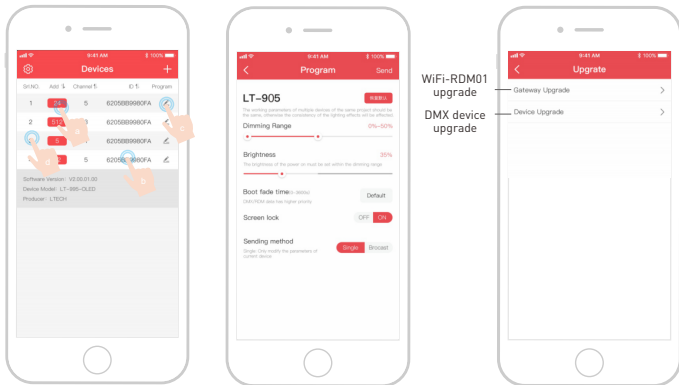
LT-905 can work with LTECH RDM editor (Model: WiFi-RDM01) to realize changing the parameters by long-range setting, wiring diagram as below:



RDM Editor App Interface Instructions

Download the App, set LT-905 parameters (dimming range, brightness, boot fade time etc.) after well connecting the RDM editor, More details, please check the manual of WiFi-RDM01.

Well install products first, then work with WiFi -RDM01 to realize parameters setting and firmware upgrade by App.



- click "Add", edit the address in corresponding box.
- Click "ID", get more product details.
- Click "🔍", enter edited interface
- Click "No.", issue the recognizing command.

WiFi-RDM01
upgrade
DMX device
upgrade

Supporting WiFi-RDM01
and DMX driver upgrade.

* This manual is subject to changes without further notice.
Product functions depends on the goods.
Please feel free to contact our official distributors if you have any question.