

LTECH

DMX512 DECODER

LT-995

5

CHANNELS

8 bit / 16 bit

3 kinds of DMX interfaces

Short circuit / Over current / Overheat protection



Photoelectric
isolation



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 digital display and the touch buttons.
3. 3-pin XLR, RJ45 DMX and green terminal interface with photoelectric isolation, improve signal transmission efficiency and anti-interference ability, the green terminal also has signal amplifier function.
4. With RDM remote management protocol, the operations can be completed via the RDM master console, such as parameters browsing & settings, DMX address settings, equipment recognition, etc.
5. With firmware upgrade function.
6. With short circuit / overheat / over current protection, as well as warning function when a fault occurs.
7. With fast self-testing function.
8. High/low PWM frequency available.
9. 16bit [65536 levels] / 8bit [256 levels] grey level available.



3-pin XLR



Photoelectric
isolation



RJ45



RDM



Short circuit
protection



Overheat
protection



Over current
protection

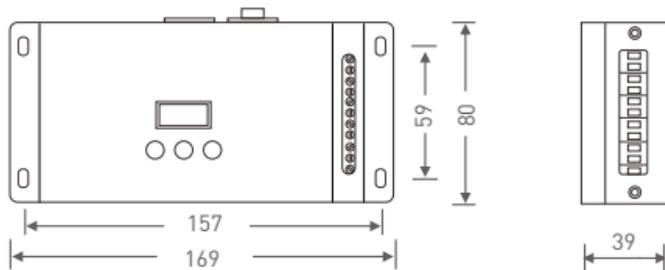
Technical Specs

Model:	LT-995
Input Signal:	DMX512/RDM
Input Voltage:	12~24Vdc
Current Load:	6A × 5CH Max. 30A
Output Power:	(0~72W...144W) × 5CH Max. 720W
DMX Interfaces:	3-pin XLR, RJ45, green terminal
Grey Level:	8bit (256 levels) / 16bit (65536 levels)
Photoelectric Isolation:	Yes
Protection:	Short circuit / Overheat / Over current protection, recover automatically.
Working Temperature:	-30°C~65°C
Dimensions:	169×80×39mm(L×W×H)
Package Size:	182×91×41mm(L×W×H)
Weight (G.W.):	550g

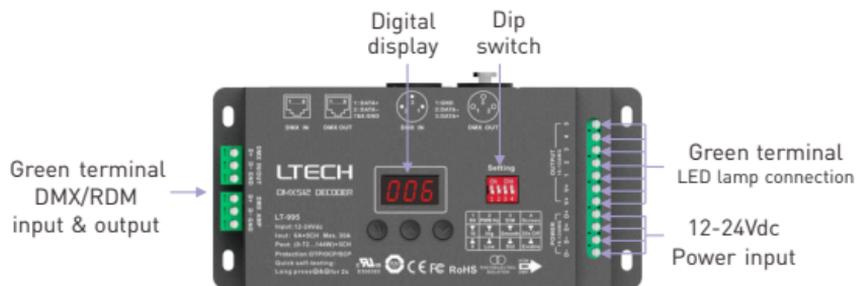


Product Size

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	High	Smooth	30S off
8	Low	Std	Enable



3-pin XLR

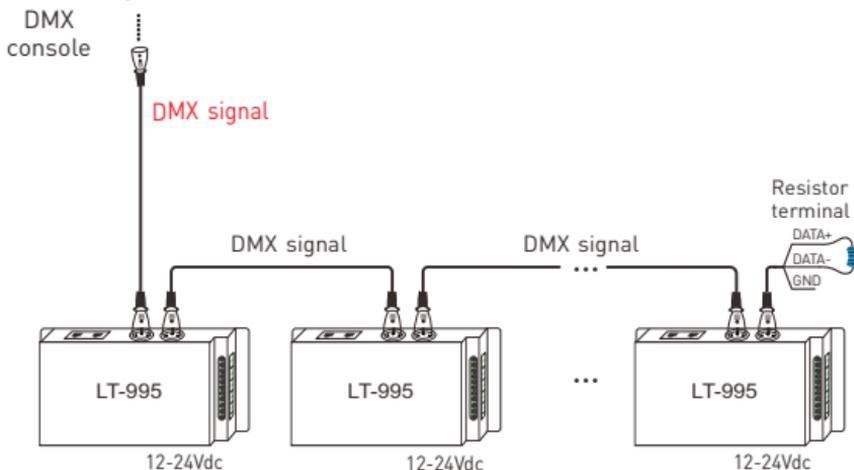
RJ45

Wiring Diagram

1. DMX console connection:

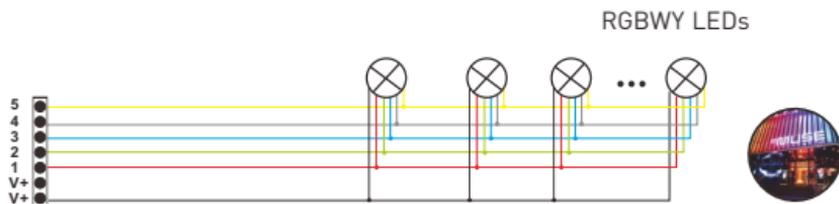
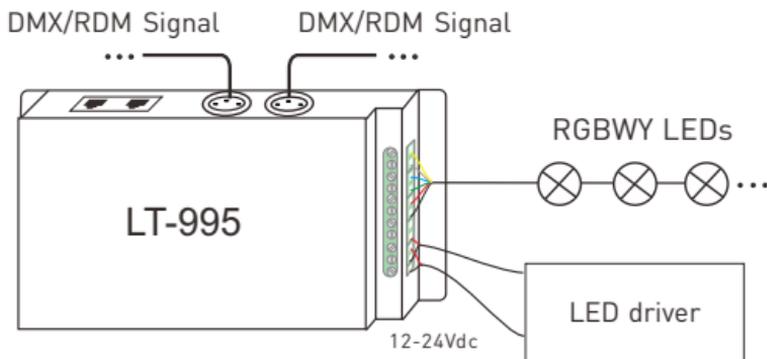


LT-995 is equipped with 3 kinds of DMX terminals for users' selection. The following diagram takes 3-pin XLR as an example, same connecting method for the rest two: RJ45 & green terminal (with amplifier function).

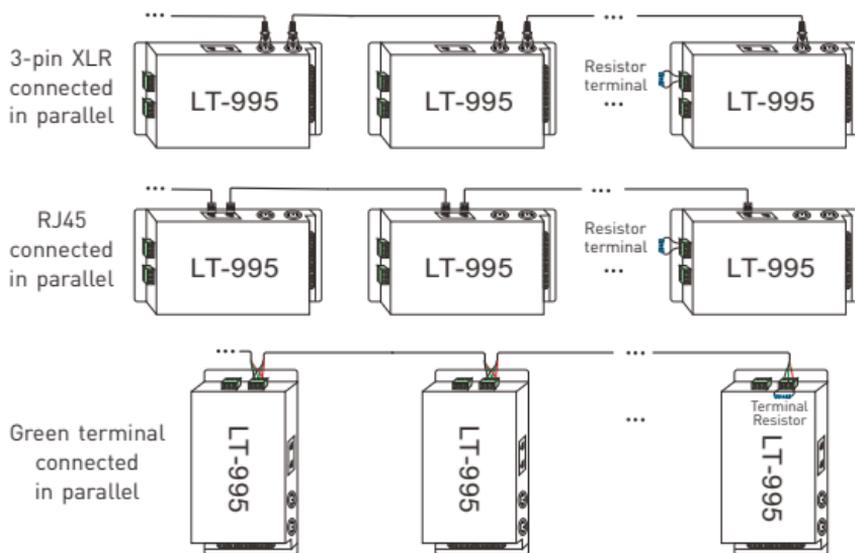


* If the recoil effect occurs because of longer signal line or bad line quality, please try to connect 0.25W 90-120Ω terminal resistor at the end of each line.

2 Connecting LED lights:



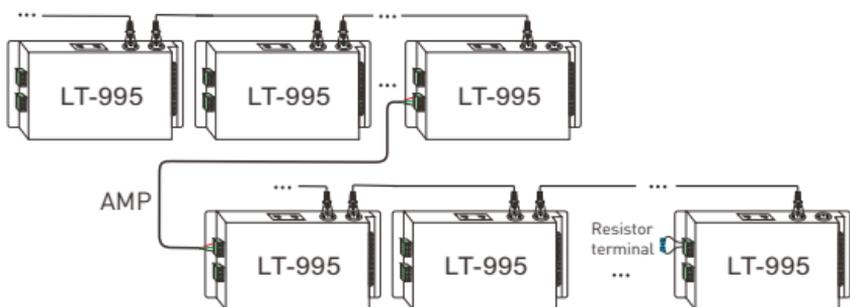
3. The connection diagram of 3 kinds of DMX/RDM terminals:



These 3 terminals can be connected in a mixed way.

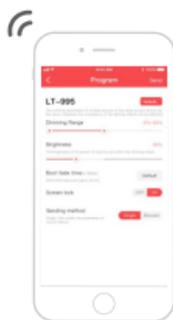
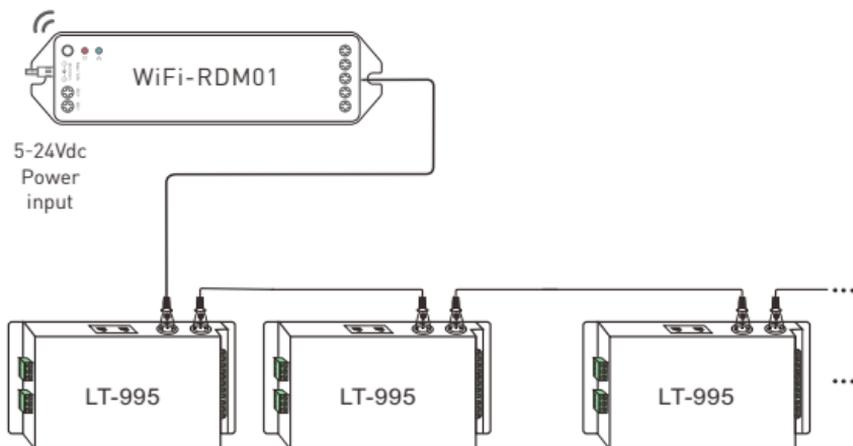
4. The connection diagram of AMP signal amplifier terminal:

- * 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.



Work with RDM Editor

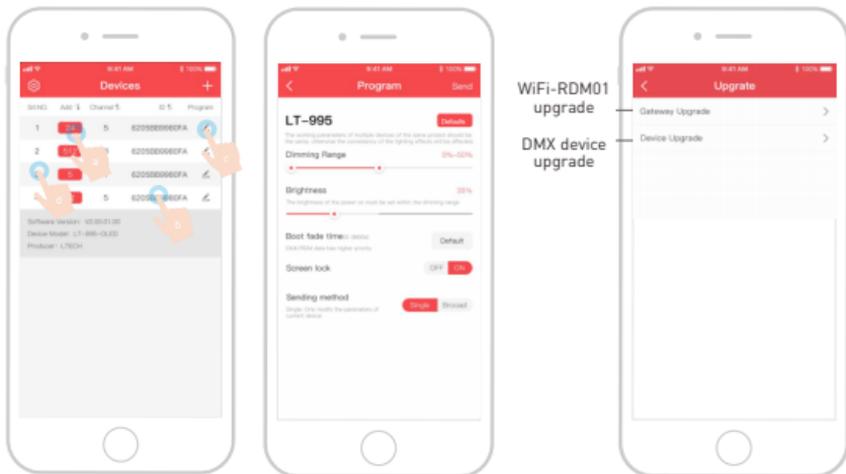
LT-995 can work with LTECH RDM editor (Model: WiFi-RDM01) to realize changing the parameters by long-range setting, wiring diagram as below:



RDM Editor App Interface Instructions

Download the App, setting LT-995 parameters (dimming range, brightness, boot fade time 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.



WiFi-RDM01
upgrade
DMX device
upgrade

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

Supporting WiFi-RDM01
upgrade and DMX driver
upgrade.

Attentions

- Products shall be installed by qualified professionals.
 - LTECH products are non-waterproof (special models excepted). Please avoid the sun and rain. When installed outdoors, please ensure it is mounted in a water proof enclosure.
 - Good heat dissipation will extend the working life of products. Please ensure good ventilation.
 - Please check if the working voltage used complies with the parameter requirements of products.
 - The diameter of wire used must be able to load the light fixtures you connect and ensure the firm wiring.
 - Before you power on products, please make sure all the wiring is correct in case of incorrect connection that causes damage to light fixtures.
 - If a fault occurs, please do not attempt to fix products by yourself. If you have any question, please contact your suppliers.
- * This manual is subject to changes without further notice. Product functions depend on the goods. Please feel free to contact our official distributors if you have any question.

Warranty agreement

Warranty periods from the date of delivery : 5 years.

Free repair or replacement services for quality problems are provided within warranty periods.

Warranty exclusions below:

- Beyond warranty periods.
 - Any artificial damage caused by high voltage, overload, or improper operations.
 - Products with severe physical damage.
 - Damage caused by natural disasters and force majeure.
 - Warranty labels and barcodes have been damaged.
 - No any contract signed by LTECH.
1. Repair or replacement provided is the only remedy for customers. LTECH is not liable for any incidental or consequential damage unless it is within the law.
 2. LTECH has the right to amend or adjust the terms of this warranty, and release in written form shall prevail.