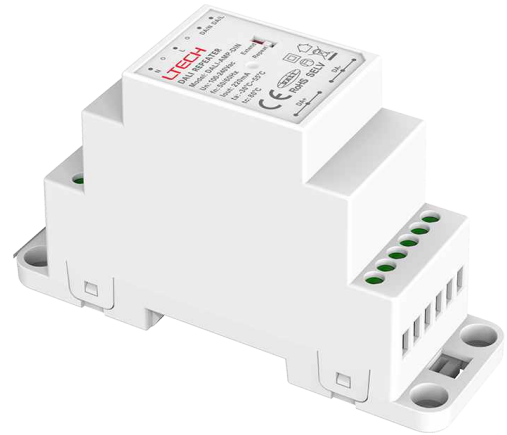


### DALI Repeater

DALI-AMP-DIN repeater allows to amplify the DALI signal (relay mode) and to extend DALI fixtures (extended mode). You can set the relay or extended mode via DIP switches. The output with load capacity serves as DALI Bus Power Supply, which effectively solves the difficulties of connecting to multiple fixtures and extending the signal transmission distance.

The relay mode is mainly used for amplifying the weak DALI signal and reducing signal distortion in long-distance transmission due to line loss and environmental interferences. The repeater can extend the maximum DALI line length from 300 m to 600 m.

The extended mode enables the output to connect up to 64 fixtures. With a DALI repeater, the output fixtures can be dimmed in sync with buttons and ensure the consistency of lighting changes.



FC CE RoHS (5-Year Warranty)

### Technical Specs

Input signal : DALI DT6/DT8, Push DIM (Extended mode only)

Input voltage : 100-240Vac

Rated DALI input current : <2mA

Output signal : DALI DT6/DT8

Rated DALI output current : Max. 220mA

Output mode : Extended mode, Relay mode

Protection : Short circuit, Overheat

Working temperature : -20°C~55°C

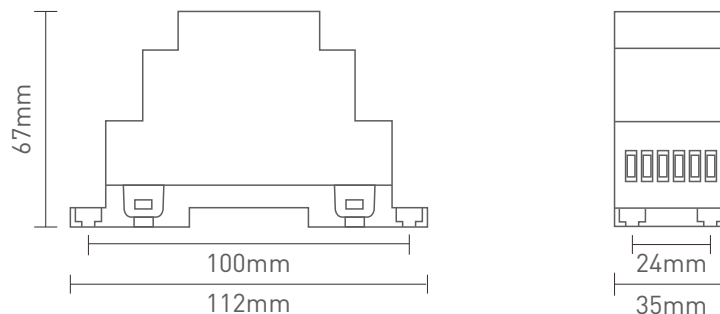
Mounting : Din rail or Screw

Dimensions(L×W×H) : 112×35×67(mm)

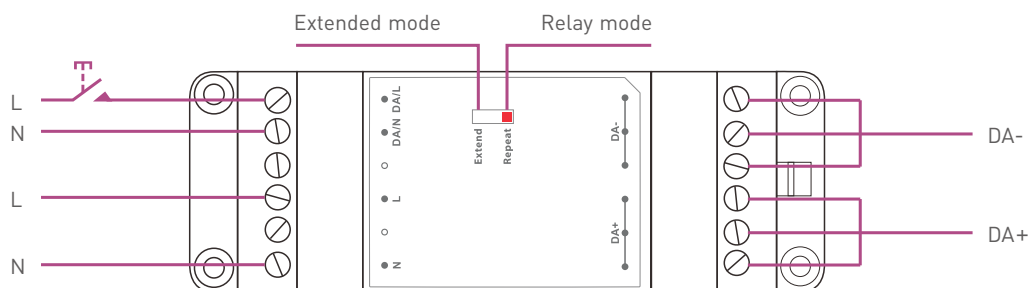
Package size(L×W×H) : 114×37×70(mm)

Weight(G.W.) : 130g

### Dimensions



### Terminal Instructions



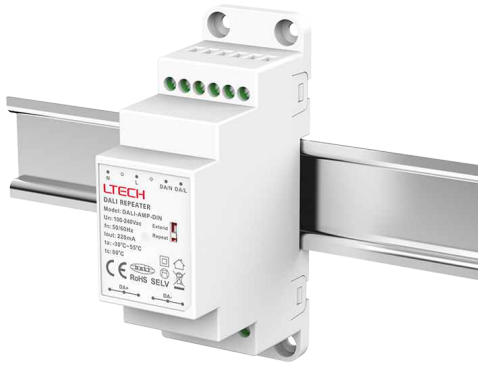
Push DIM (For extended mode only)

0-100% dimming range. Short press to turn on /off, long press to dim

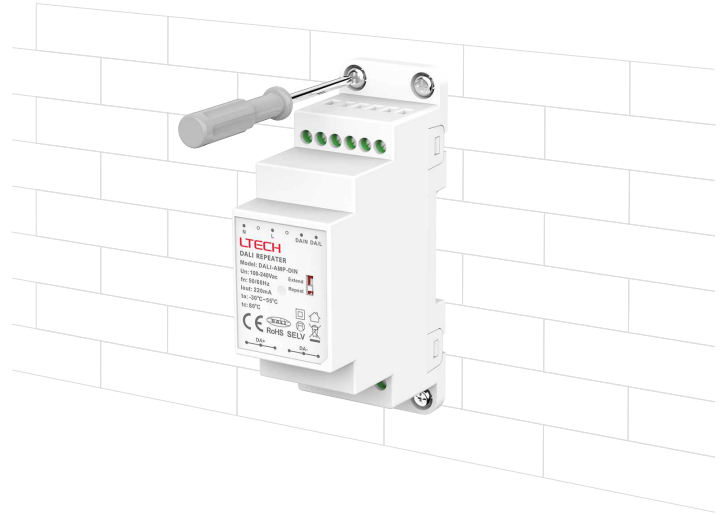
### Installation Diagram

Method 1: Din-rail mounting

Din rail specifications: TS-35/7.5 or TS-35/15



Method 2: Screw fixing

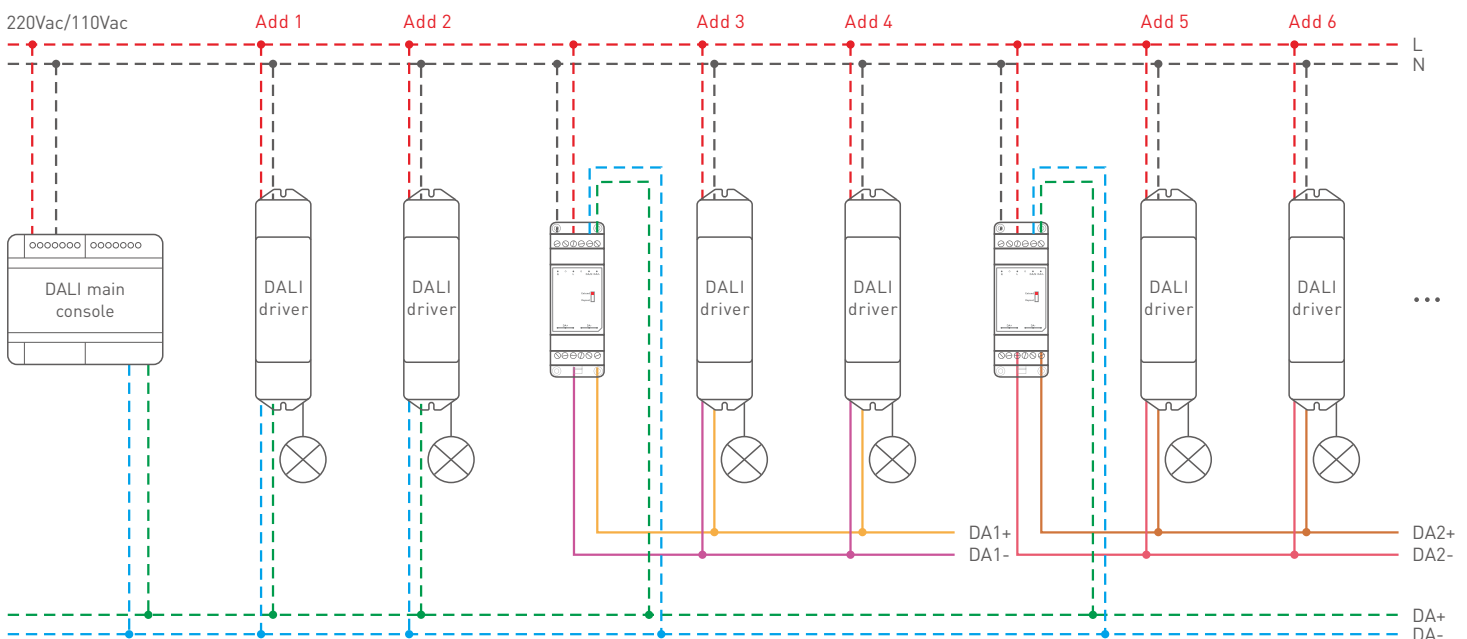


### Attentions

- 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.

### Mode Settings-Relay mode (For DALI connection mode only)

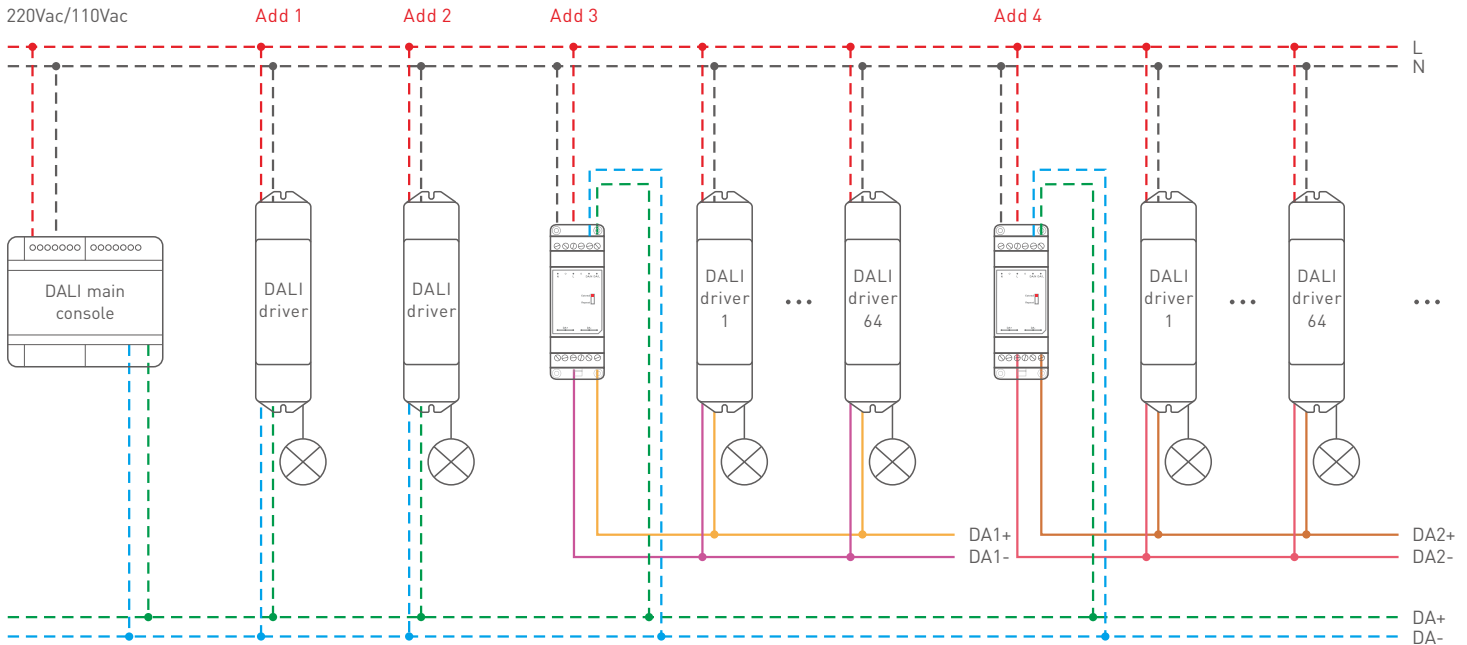
Please set the dip switch of relay mode to ON. When the distance between DALI main console and driver is too long, please enhance the signal by adding repeaters. In this mode, the first level classification is supported only and the DALI bus can connect up to 64 repeaters. The repeater can extend the maximum DALI line length from 300 m to 600 m.



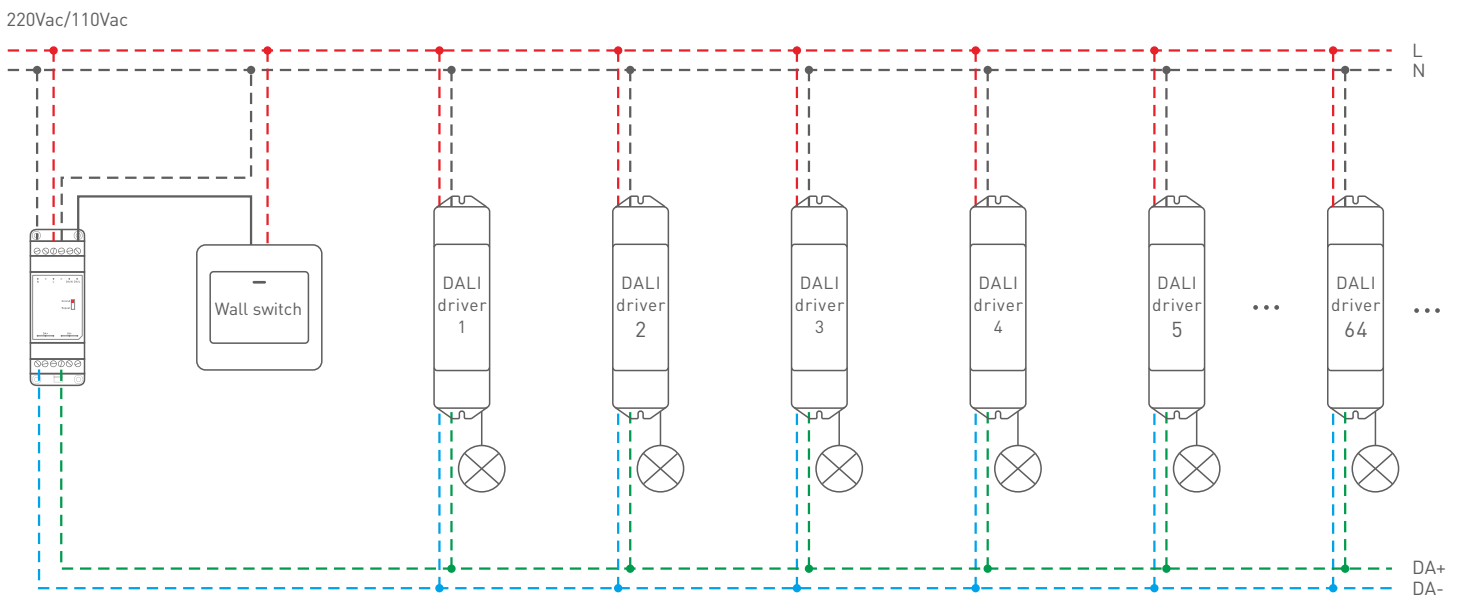
## Mode Settings-Extended mode

Please set the dip switch of extended mode to ON. In this mode, one address is occupied by a repeater and the address space of DALI bus allows up to 64 repeaters. With driver capability, each repeater can connect up to 64 light fixtures. Hence, the DALI bus can drive up to 64×64 light fixtures.

## DALI connection mode



## Push DIM connection mode



Short press: ON/OFF

Long press: Dimming; Every other long press, the brightness level is adjusted to the opposite direction.

### Warranty Agreement

- Warranty periods from the date of delivery : 5years
- 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.

\* 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.

### Update Log

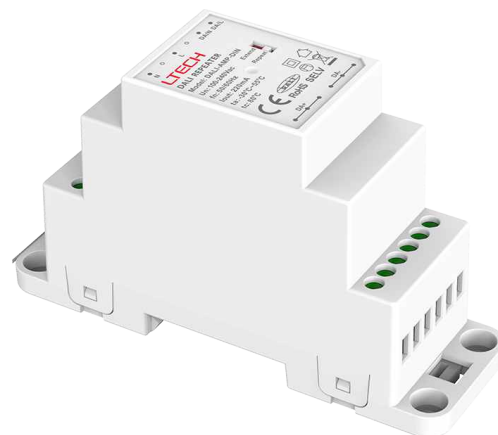
Version	Update Time	Update Content	Update by
A0	2020.11.24	Original version	He Shaoyun
A1	2021.06.02	Changed input signal from “ DALI, Push DIM (Extended mode only)” to” DALI DT6/DT8, Push DIM (Extended mode only)” ; Added the “Output signal, Output mode”Changed the page size; Added the installation diagram.	He Shaoyun
A2	2022.05.17	Added “The repeater can extend the maximum DALI line length from 300m to 600m” to the description of “Relay Mode” on P1 and P2.	Xu Shujun

## DALI中继扩展器

DALI-AMP-DIN具有DALI信号放大（中继）或DALI设备扩展两种功能模式，可通过拨码开关进行选择切换，输出端具备带载能力即自带DALI总线电源。有效解决设备数量及距离限制问题。

中继模式主要应用于信号传输距离较远时，由于线损及环境干扰引起信号的变形和衰减，须进行信号整形放大的场合。可将DALI总线最大长度从300米延长至600米。

扩展模式下，输出端最大可接64台设备，并可通过按键对这些设备进行同步调光，且能保证所有设备变化的一致性。

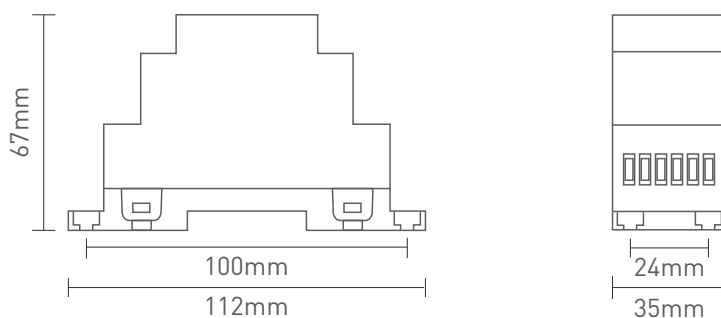


FC CE RoHS [质保5年]

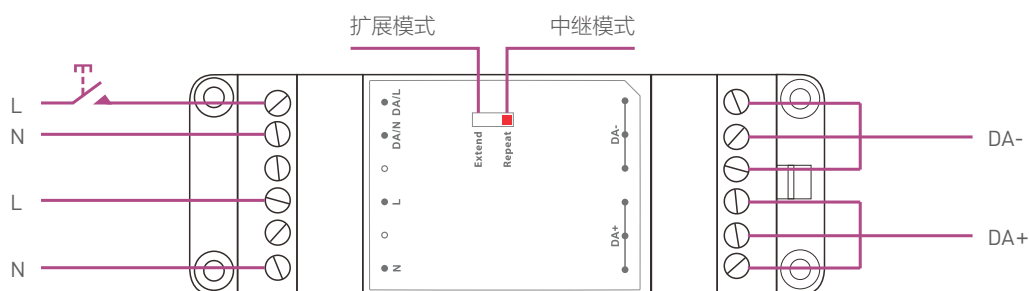
## 技术参数

输入信号：	DALI DT6/DT8、Push DIM(仅扩展模式)	保 护：	短路、过温自恢复
输入电压：	100-240Vac	工作温度：	-20°C~55°C
额定DALI输入电流：	<2mA	安装方式：	导轨安装/螺丝固定
输出信号：	DALI DT6/DT8	产品尺寸(长×宽×高)：	112×35×67(mm)
额定DALI输出电流：	Max. 220mA	包装尺寸(长×宽×高)：	114×37×70(mm)
输出模式：	中继模式、扩展模式	重量(毛重)：	130克

## 产品尺寸



## 端子说明

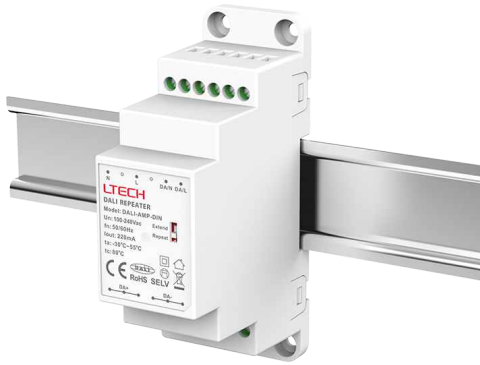


Push DIM（仅支持扩展模式）  
0~100%调光，短按开关，长按调光

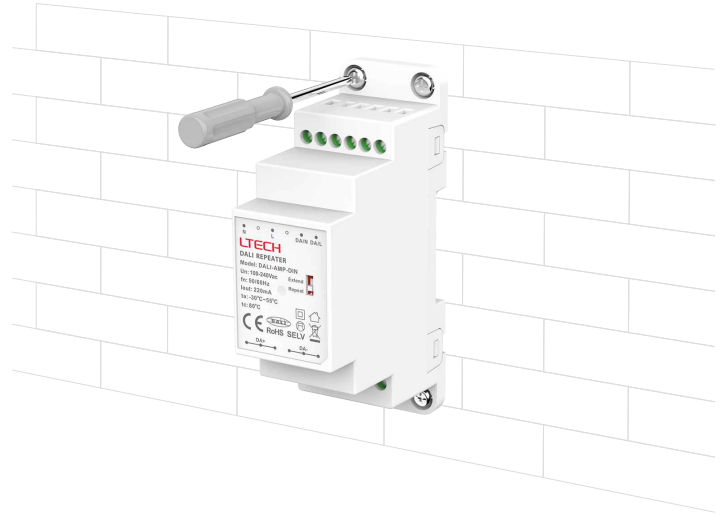
### 安装示意图

#### 方法一：导轨安装

轨道规格为TS-35/7.5或TS-35/15



#### 方法二：螺丝固定

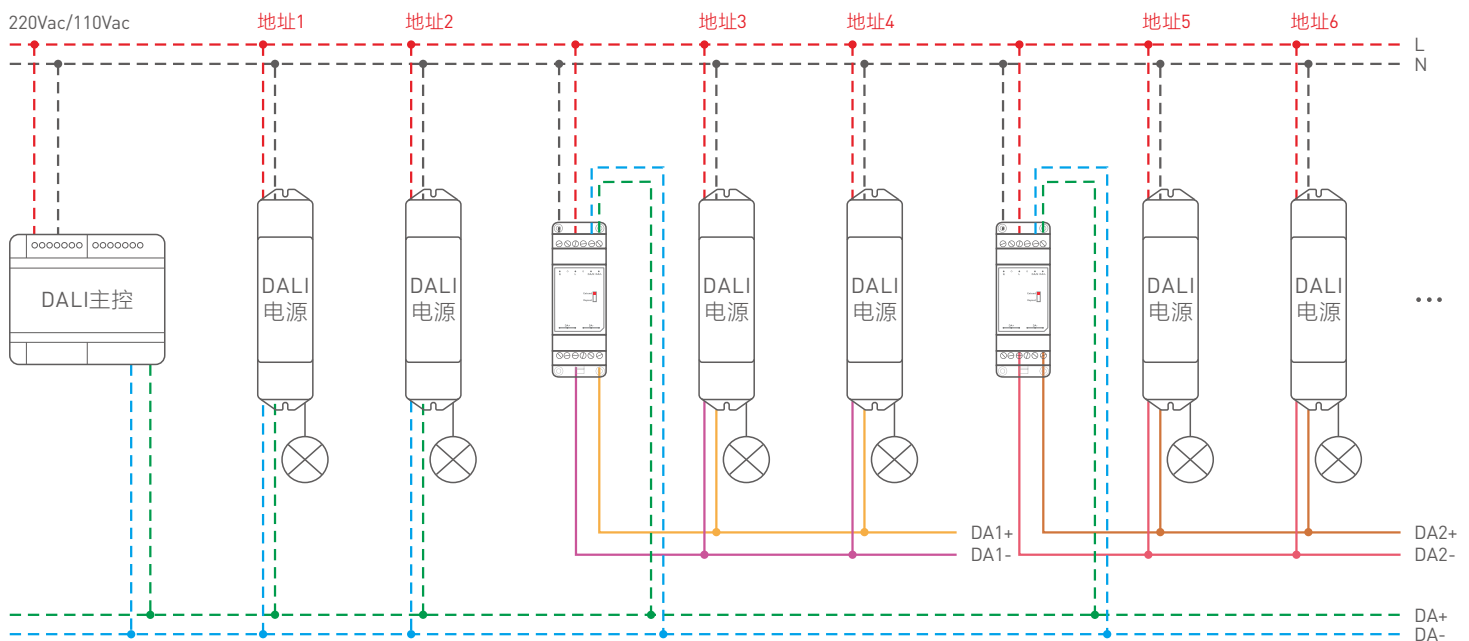


### 注意事项

- 请由具有专业资格的人员进行调试安装;
- 雷特产品 (专有型号除外) 不能防水, 需避免日晒雨淋, 如安装在户外, 请用防水箱;
- 良好的散热条件会延长产品的使用寿命, 请把产品安装在通风良好的环境;
- 请检查使用的工作电压是否符合产品的参数要求;
- 使用的电线直径大小必须能够负载连接的LED灯具, 并确保接线牢固;
- 通电调试前, 应确保所有接线正确, 以避免因接线错误而导致灯具损坏;
- 如果发生故障, 请勿私自维修; 如果有疑问, 请联系供应商。

### 输出模式-中继模式（仅支持DALI连接方式）

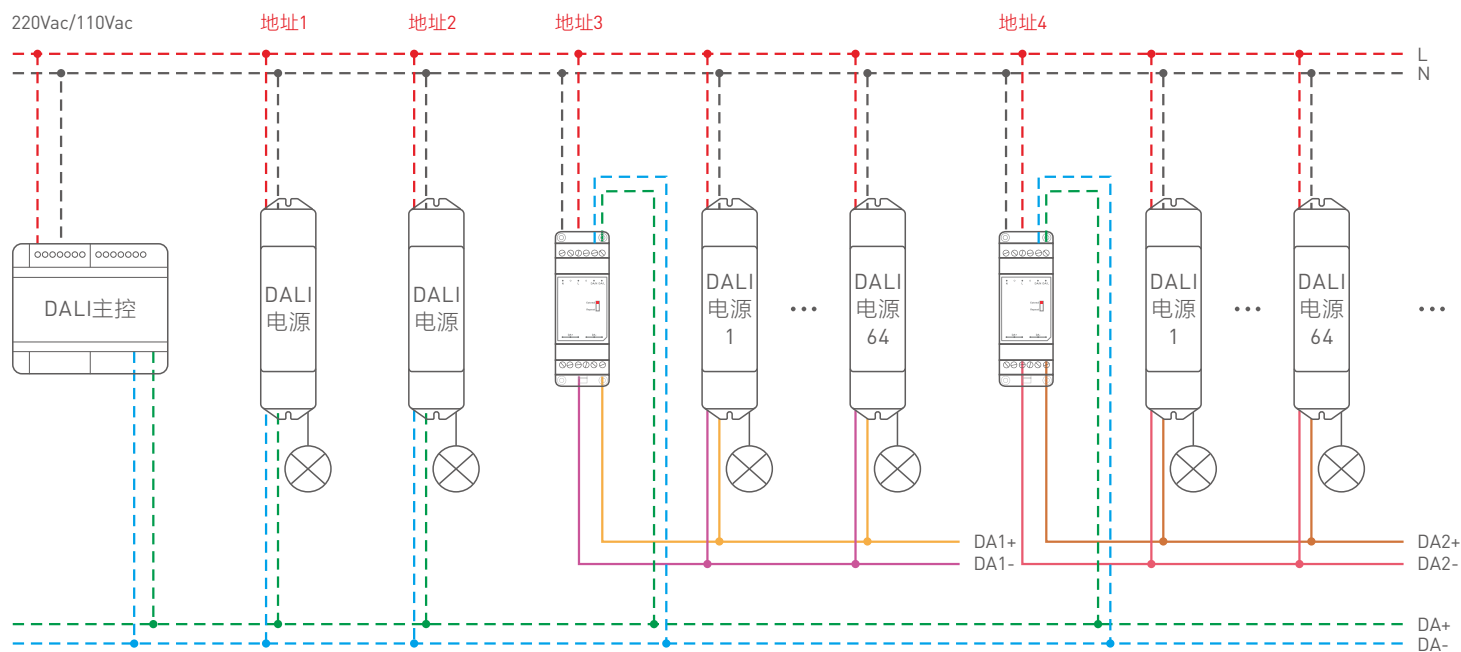
请将拨码拨到中继模式，即为中继器。当距离过长，可以通过添加中继器来增强信号。在当前模式下，仅支持一级中继，即一条总线最多可连接64台中继器。可将DALI总线最大长度从300米延长至600米。



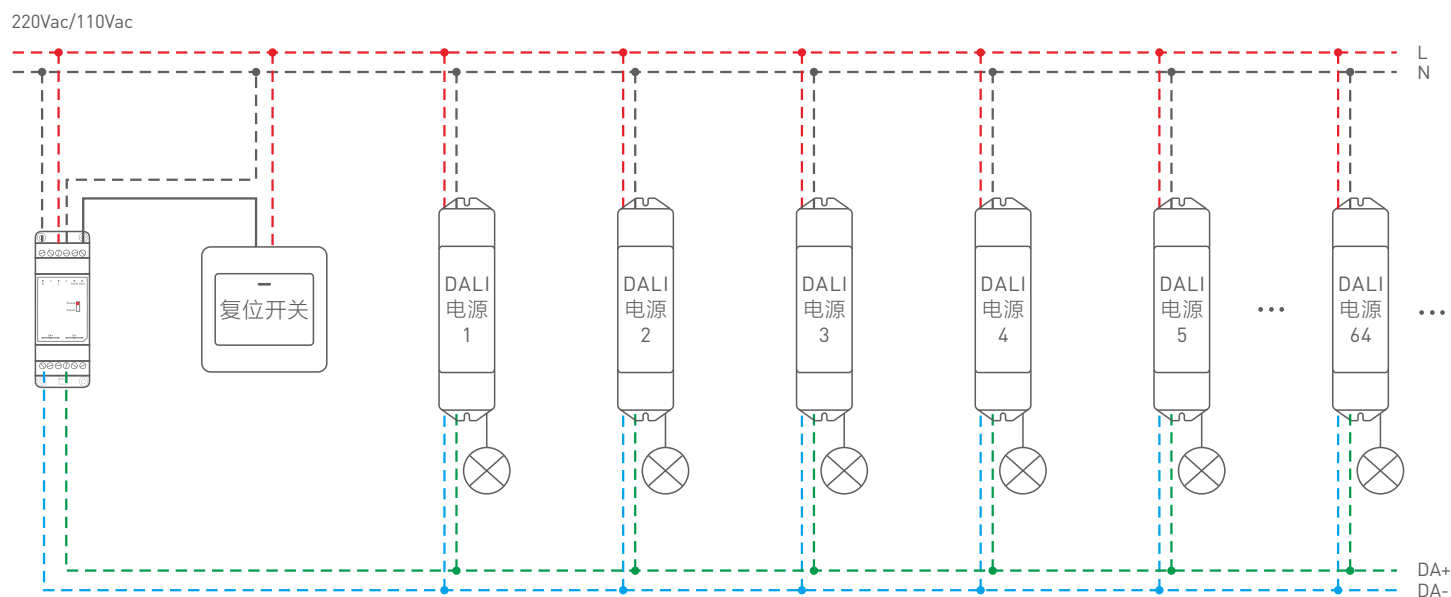
### 输出模式-扩展模式

请将拨码拨到扩展模式，即为扩展器。在当前模式下，每个扩展器占用1个地址，一条总线最多可连接64台扩展器。但因为扩展器的输出端具备驱动能力，所以每个扩展器最多可连接64台设备。因此，一条总线最多连接可达64×64台设备。

#### DALI连接方式



#### Push DIM连接方式



短按：开/关

长按：无级调光；每隔一次长按，亮度会向相反方向调整

### 保修条例

- 自出厂之日起保修服务期: 5年
- 在保修服务期内出现产品质量问题雷特将给予免费修理或更换服务。

非保修条例:

属下列情况不在免费保修或更换服务范围之内:

- 已经超出保修服务期;
- 过高电压、超负载、操作不当等人为造成的损坏;
- 产品外形严重损坏或变形;
- 自然灾害以及人力不可抗拒原因造成的损坏;
- 产品保修标签和产品唯一条形码损坏;
- 无雷特签订的合同或发票凭证。

1. 修理或更换是雷特对客户唯一补救措施。雷特不承担任何附带引起的损害赔偿, 除非在适用法律范围之内。

2. 雷特享有修正或调整本保修条款的权利, 并以书面形式发布为准。

\* 本说明书的内容如有变更, 恕不另行通知。若内容与您使用的功能有所不同, 则以实物为准。如有疑问, 欢迎向我司授权的经销商咨询。

### 更新日志

版本	更改日期	更改内容	更改人
A0	2020.11.24	正稿	何少云
A1	2021.06.02	输入信号由“DALI、Push DIM(仅扩展模式)”更改为“DALI DT6/DT8、Push DIM(仅扩展模式)”；增加输出信号、输出模式；更新排版；增加安装示意图；	何少云
A2	2022.05.17	P1与P2 在中继模式处，添加“可将DALI总线最大长度从300米延长至600米。”	许淑钧