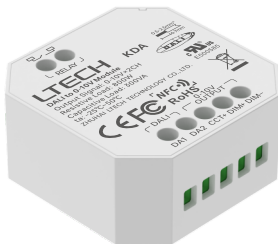# LTECH

DALI to 0-10V Module

Model: KDA

Manual
www.ltech-led.com

Product Introduction

- **Signal Conversion:** DALI to 0-10V signal conversion, enabling dimming and color temperature adjustment.
- **Flexible NFC Configuration:** 0-10V can be easily configured into multiple output modes via NFC, meeting single-channel dimming, dual-channel independent dimming, and dual-channel dual-color temperature combination requirements.
- **Built-in Relay:** Allows quick on/off switching of the backend LED power supply, ensuring more precise control and safer operation.
- **NFC Programming:** Easily set DALI dimming interface, DALI address, dimming fade time, and other parameters with simple operation.
- **Integrated Design:** Power supply and communication are integrated, making installation more convenient.
- **Compact Size:** Compatible with European, American, and national standard junction boxes, offering flexible installation and adaptation to various scenarios.

Technical Specs

Model	KDA
Current consumption	≤8mA@16V
Power supply mode	DALI Bus power supply
Input signal	DALI
Output signal	0-10V
Relay switch parameters	Resistive load 800W, capacitive load 300W, maximum load 1600W
Working environment	-25℃~50℃
Product size	L45×W45.5×H20.5(mm)
Product weight	30g

CE RoHS DALI

Product icon

Relay terminals

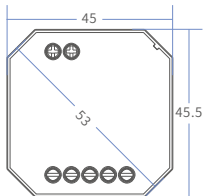DALI signal input

0-10V Signal end
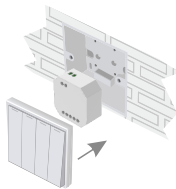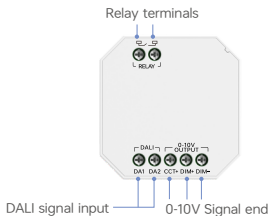
Hide the product in the switch bottom box

Product size

Unit: mm

45

53

45.5

20.5

45.5
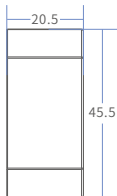
Wiring application

1.Application diagram of color mixing temperature lamp wiring

2.single-address single-channel dimming

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DALI-PS-DIN
DALI bus power supply

DALI master control

LTECH
DALI Bus Power Supply
Model:DALI-PS-DIN

LTECH
DALI Master
(Super Dimming Module)

DA1 DA2

DA1 DA2

DALI

DA1 DA2 CCT+ DIM DIM-

RELAY

PRI

PRI

SEC

SEC

DIM Light

DIM Light

• • •

3.single-address dual-channel dimming

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DALI-PS-DIN
DALI bus power supply

DALI master control

DALI Master
(Super Dimming Module)

LTECH

RELAY

DIM Light
Add 1

DIM Light
Add 1

4.dual-address dual-channel dimming

L

N

DALI-PS-DIN
DALI bus power supply

DALI master control

RELAY

DALI

OUTPUT

DA1 DA2 CC1+ DIM DIM+

LTECH
DALI Master
(Super Dimming Module)

DALI Bus Power Supply

DIM Light
Add 1

DIM Light
Add 2

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Use the NFC Lighting APP

Scan the QR code below with your mobile phone and install the APP as prompted.
(Due to performance requirements, the required phone model is Apple: iPhone8 or above, and the operating system iOS13 or above; Android: NFC enabled models)

Scan code download APP
ios/apk

NFC identifier of the device

*When setting device parameters, Perform this operation only when the device is powered off.

1. Read the device

Click "Read/Write smart Power Supply" in the APP [home page], place the sensing area of the phone near the NFC identification point of the driver, and read the device parameters.
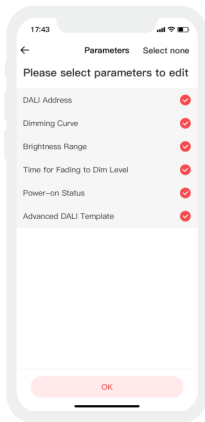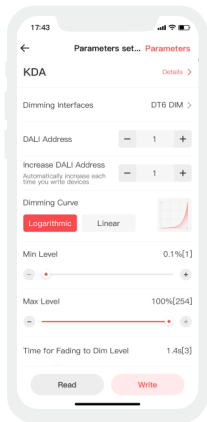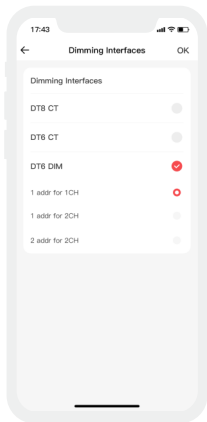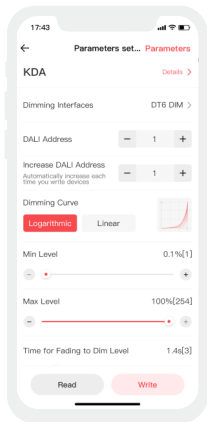
2. Edit parameters

Click "Parameter Management" to edit parameters such as DALI address, dimming type, and DALI advanced template settings.

3. key control target selection

Click the "Dimming Interface" button to set the corresponding DALI address information output for each dimming interface, including single address and group address channel output.

Attention

- Product installation and commissioning should be done by a qualified professional;
- LTECH products are and not lightningproof non-waterproof (special models excepted). Please avoid the sun and rain. When installed outdoors, please ensure they are mounted in a water proof enclosure or in an area equipped with lightning protection devices;
- Good heat dissipation will prolong the working life of products. Please ensure good ventilation.
- Please check if the working voltage used complies with the parameter requirements of products;
- 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 : 2 years.
- Free repair or replacement services for quality problems are provided within warranty periods.

Warranty exclusions below:

Following conditions are not within the guarantee range of free repairing or replacement services:

- 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. The warranty that issues in writting shall prevail.