

DALI2 照明控制 设备及系统

DALI2 Lighting Control Products and System



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公司简介

方地智能是一家提供全屋智能产品和服务的公司。公司秉着和合共赢的经营理念，为客户提供值得信赖的、极具竞争力的和专业的产品及系统设计服务。

公司专注于 DALI、BLE Mesh 及 PLC 全屋智能产品和系统的研发，致力为全球客户提供一站式智能控制系统解决方案，旨在实现全屋智能的普及化和标准化。

方地智能公司，让智慧生活，触手可及！

Company Profile

FangDi Smart is a company that provides whole house intelligent products and services. The company adheres to the business philosophy of win-win cooperation and provides customers with trustworthy, highly competitive, and professional product and system design services.

The company focuses on the research and development of DALI, BLE Mesh, and PLC full house intelligent products and systems, and is committed to providing one-stop intelligent control system solutions to global customers, aiming to achieve the popularization and standardization of full house intelligence.

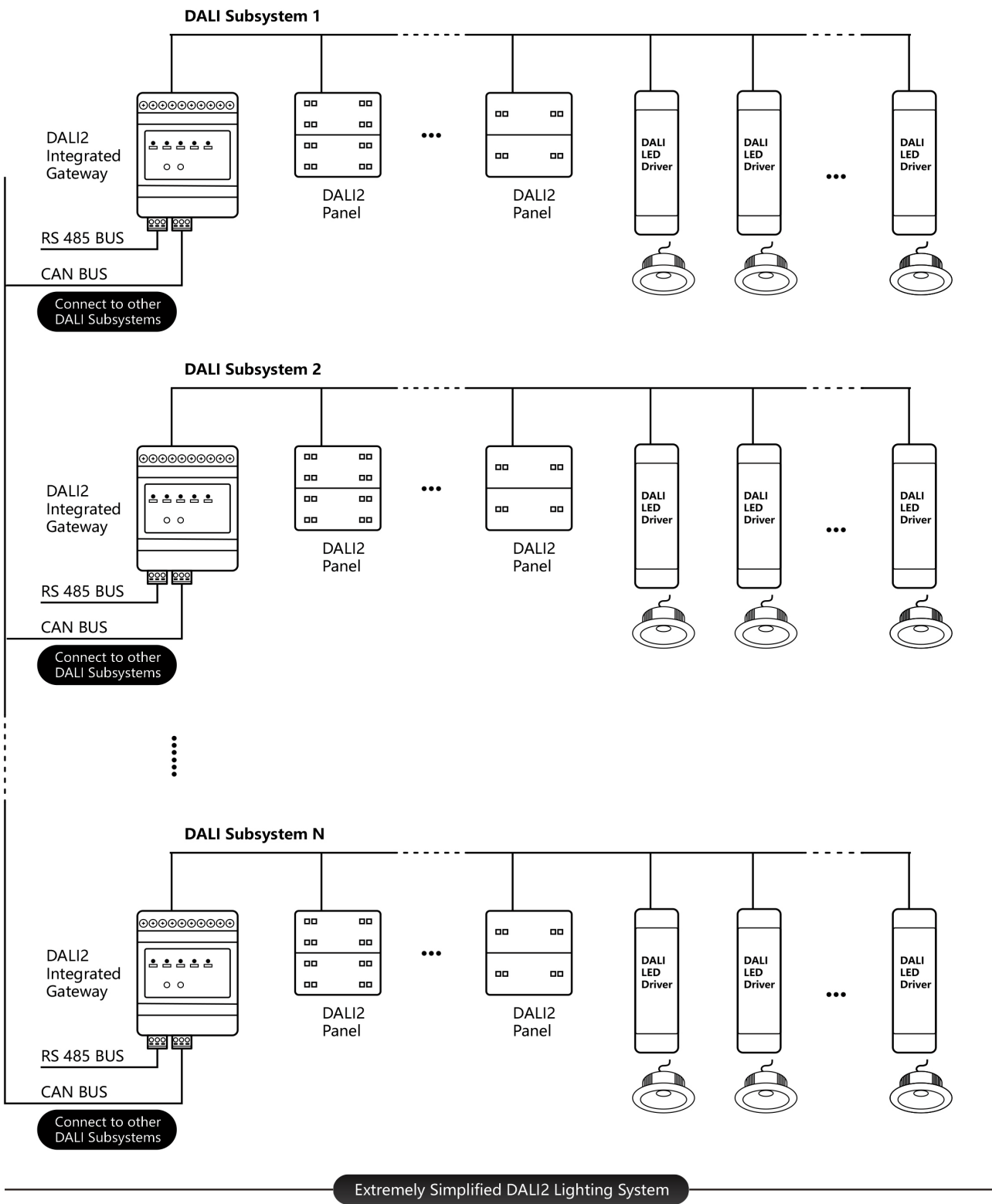
FangDi Smart, making smart life within reach!

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DALI 系统图

DALI System Diagram



-  Multi DALI2 System Interconnection
多DALI2子系统互联
-  0.1%~100% Wide Dimming Range
深度调光
-  DALI2 Input Device & Control Gear Support
支持DALI2输入设备及驱动
-  Easy-to-use System Software
提供简单易用的系统配置软件

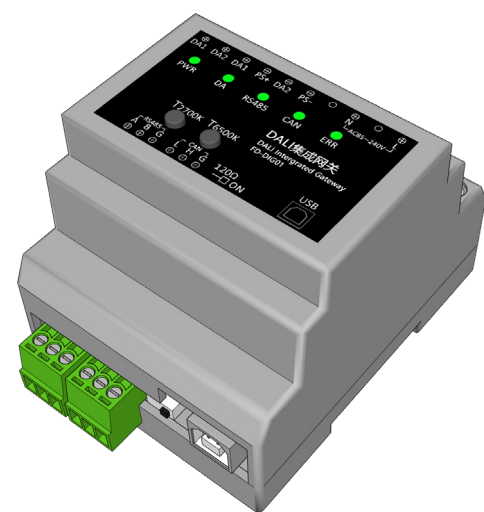


DALI 集成网关

DALI Integrated Gateway

产品概述

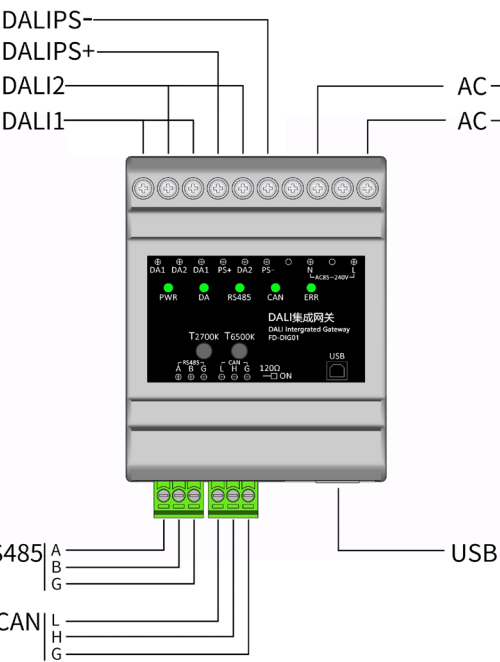
Profile



- 内置 DALI PS 总线电源，为 DALI 总线提供 16V 电压，最大 250mA 的供电电流。
- 内置的 PS 具有过载及短路保护功能，短路时设备蜂鸣报警。
- 内置的 PS 具备 DALI 总线电流及电压的检测功能。
- 具备多个 LED 指示灯，可直接判断网关设备的工作状态。
- 具备 2 个手动 DALI 驱动设备安装测试按键，1# 按键发暖色 ON/OFF，2# 按键发冷色 ON/OFF。
- 具备内部 CAN 总线互联功能，支持多达 200 个 DALI 子系统的互联互通。
- 具备 RS485 通讯接口，支持 Modbus485 to DALI 通讯协议及控制 RS485 设备。
- 具备 USB 通讯接口，可连接到 PC 并通过 DALI2pro 系统配置软件对 DALI2 系统进行调试和配置。

接口示意图

Interface Diagram



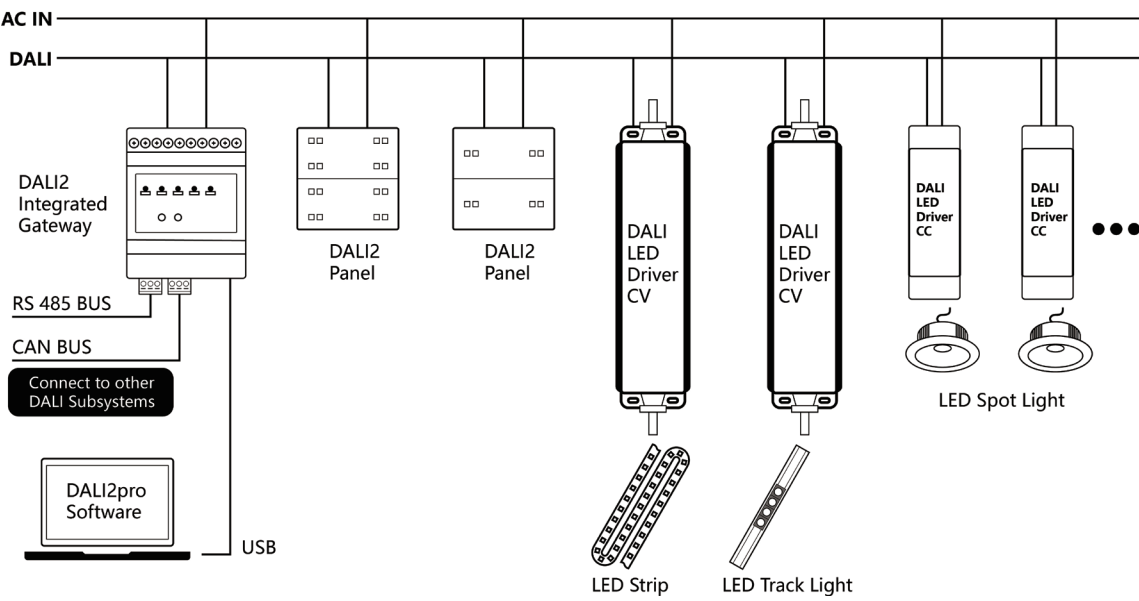
- The built-in DALI PS bus power supply provides a 16V and a maximum supply current of 250mA for the DALI bus.
- The built-in PS has overload and short circuit protection functions, and the device alarms when there is a short circuit.
- The built-in PS has DALI bus current and voltage detection function.
- Equipped with multiple LED indicators, it can directly determine the working status of the gateway device.
- Equipped with 2 manual DALI control gear installation test buttons, with 1 # button testing warm lighting ON/OFF and 2 # button testing cool lighting ON/OFF.
- Equipped with internal CAN bus interconnection function, supporting the interworking of up to 200 DALI subsystems.
- Equipped with RS485 communication interface, supporting Modbus485 to DALI communication protocol and controlling RS485 devices.
- Equipped with a USB communication interface, it can connect to a PC and commissioning the DALI2 system through the DALI2pro system software.

技术参数

Specifications

产品型号 / M odel	FD-DIG01
输入电压 / Input Voltage	85 ~ 240VAC
输入频率 / Input Frequence	50/60Hz
功率 / Power	5W (Max)
应用程序控制器功能 / Application Controller	支持多达 300 条 DALI2 输入设备的事件响应逻辑编程。 Support response logic programming for up to 300 events for DALI2 input devices.
DALI 驱动设备测试按键 / Control Gear Testing Botton	2 个：1# 按键发暖色 ON/OFF；2# 按键发冷色 ON/OFF 2 pcs: 1# for warm lighting ON/OFF； 2# for cool lighting ON/OFF
DALI PS 接口 / PS Interface	1 pair: PS+, PS- (16V±5%@250mA max)
DALI 接口 / DALI Interface	1 pair: DA1, DA2
CAN 接口 / CAN Interface	1 个：连接多个 DALI 子系统的专用总线。 1 pc: For connecting multiple DALI subsystems.
RS485 接口 / RS485 Interface	1 个：支持 Modbus485 to DALI 通讯协议及 RS485 动作指令。 1 pc: For Modbus485 to DALI communication and RS485 operation command.
USB 接口 / USB Interface	1 个：用于 DALI2pro 系统软件的通讯连接。 1 pc: Connection for DALI2pro system software.
LED 指示灯 / LED Indicators	5 pcs
尺寸 / Dimension	W72mm×H90mm×D53mm
工作温度 / Working Temperature	-10°C~ +50°C
防护等级 / Protection Grade	IP20

典型应用示意图



DALI2 按键面板

DALI2 Control Panel



型号：FD-DPB01-XXX

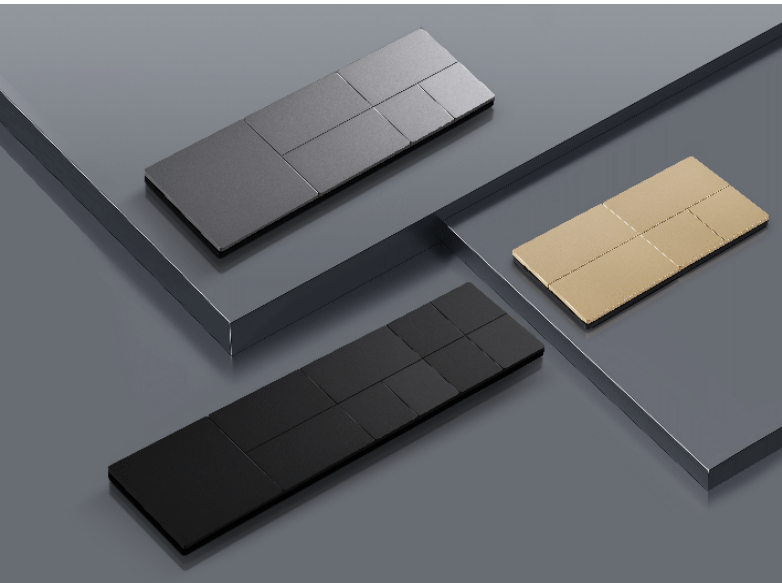
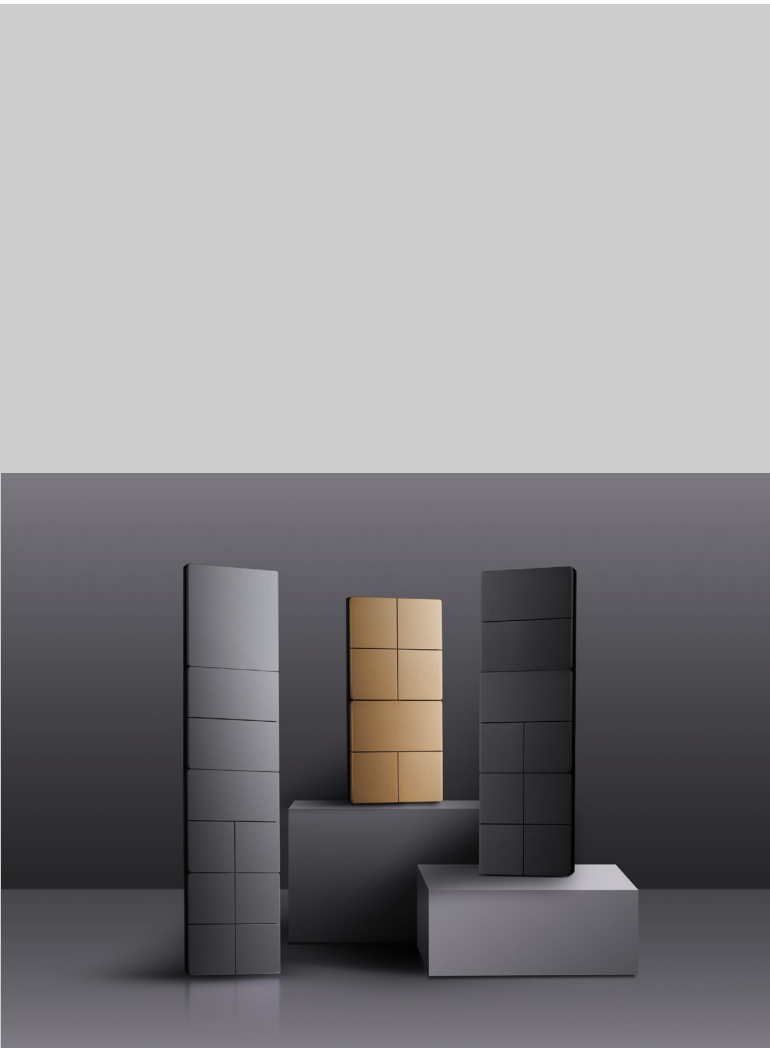
- 通过 DALI2 兼容性测试的按键面板
- 材料和颜色可定制
- 背光设计，发光字体可定制
- 符合 IEC62386-101, IEC62386-103 和 IEC62386-301 标准

Model: FD-DPB01-XXX

- Meet DALI2 control device standard
- Customizable materials and colors
- Customizable backlight fonts
- Complies with IEC62386-101, IEC62386-103, and IEC62386-301 standards

产品参数 Parameters

型号 Model	按键数量 Button qty.	开关数量 Switch qty.	输入电压 Input voltage	功率 Power	DALI2 标准 DALI2 standard	产品尺寸 Dimension
FD-DPB01-4	4 pcs	NA	AC80~240V	2W	IEC62386-101, IEC62386-103,301	86×86×39 mm
FD-DPB01-8	8 pcs	NA				
FD-DPB01-4L2	4 pcs	2 pcs	AC80~240V	2W	IEC62386-101,102,208 IEC62386-103,301	86×86×39 mm
FD-DPB01-8L2	8 pcs	2 pcs				



DT6/DT8 DALI LED 驱动器

DT6/DT8 DALI LED Drive



DT8 DALI LED 恒流驱动器

DT8 DALI LED Constant Current Driver

型号 Model	规格 Specifications					认证 Authentication	尺寸 Dimensions
	输入电压 Input	功率 Power	功率因数 Power Factor	输出电压 Output Voltage	输出电流 Output Current		
PE-L10DCA40	AC200-250V	10W	0.88-0.96PF	25-40V	150/180/220/250mA	TUV CE SAA 3C ENEC	116*30*21mm
PE-L20DCA40	AC200-250V	20W	0.88-0.96PF	25-40V	350/400/450/500mA	TUV CE SAA 3C ENEC	130*37*22.5mm
PE-N30DCA42	AC200-250V	30W	0.88-0.96PF	25-42V	550/600/650/700mA	TUV CE SAA 3C ENEC	154.5*40.5*25.5mm
PE-N45DCA42	AC200-250V	40W	0.88-0.96PF	25-42V	850/900/950/1000mA	TUV CE SAA 3C ENEC	175*40.5*25.5mm

DT6 DALI LED 恒流驱动器

DT6 DALI LED Constant Current Driver

型号 Model	规格 Specifications					认证 Authentication	尺寸 Dimensions
	输入电压 Input	功率 Power	功率因数 Power Factor	输出电压 Output Voltage	输出电流 Output Current		
PE-L10DA40	AC200-250V	10W	0.88-0.96PF	25-40V	150/180/220/250mA	TUV CE SAA 3C ENEC	116*30*21mm
PE-L20DA42	AC200-250V	20W	0.88-0.96PF	25-40V	350/400/450/500mA	TUV CE SAA 3C ENEC	130*37*22.5mm
PE-L30DA40	AC200-250V	30W	0.88-0.96PF	25-40V	550/600/650/700mA	TUV CE SAA 3C ENEC	154.5*40.5*25.5mm
PE-L40DA42	AC200-250V	40W	0.88-0.96PF	25-40V	850/900/950/1000mA	TUV CE SAA 3C ENEC	175*40.5*25.5mm
PE-C12DA	AC200-250V	12W	0.88-0.96PF	25-40V	150/200/250/300mA	CCC	55.5*48.8*23mm
PE-C20DA	AC200-250V	18W	0.88-0.96PF	25-40V	350/400/450	CCC	65*52.5*24mm
PE-C30DA	AC200-250V	30W	0.88-0.96PF	25-40V	500/600/700mA	CCC SAA	76*61.5*29mm

DT6/DT8 DALI LED 驱动器

DT6/DT8 DALI LED Drive



DT8 DALI LED 恒压驱动器

DT8 DALI LED Constant Voltage Driver

型号 Model	规格 Specifications					认证 Authentication	尺寸 Dimensions
	输入电压 Input	功率 Power	功率因数 Power Factor	输出电压 Output Voltage	输出电流 Output Current		
PE-IL60DCV24	AC100-250V	60W	0.96PF	24V	2.5A	IP54	210(234)*37*27mm
PE-IL100DCV24	AC100-250V	100W	0.96PF	24V	4.17A	IP54	255(279)*37*27mm
PE-IL150DCV24	AC100-250V	150W	0.96PF	24V	6.25A	IP54	293(315)*47.5*27mm
DIM200W24DA	AC200-250V	200W	>0.5PF	24V	8A		
DIM300W24DA	AC200-250V	300W	>0.5PF	24V	10A		

DT6 DALI LED 恒压驱动器

DT6 DALI LED Constant Voltage Driver

型号 Model	规格 Specifications					认证 Authentication	尺寸 Dimensions
	输入电压 Input	功率 Power	功率因数 Power Factor	输出电压 Output Voltage	输出电流 Output Current		
PE-IL60DV24	AC100-250V	60W	0.96PF	24V	2.5A	IP54	210(234)*37*27mm
PE-IL100DV24	AC100-250V	100W	0.96PF	24V	4.17A	IP54	255(279)*37*27mm
PE-IL150DV24	AC100-250V	150W	0.96PF	24V	6.25A	IP54	293(315)*47.5*27mm
DIM200W24DB	AC200-250V	200W	>0.5PF	24V	8A		
DIM300W24DB	AC200-250V	300W	>0.5PF	24V	10A		

DALI2pro 系统软件

DALI2pro System Software

概述

DALI2pro 是一个用于调试及配置 DALI2 照明控制系统的专用软件，该软件不但可以对符合 DALI2 标准的照明驱动和控制设备进行配置，而且支持对 FD-DIGxx 集成网关的总线电源和 DALI2 应用程序控制器进行配置，并可以在云端保存工程配置文件，极大地方便了系统设备的维护。

主要功能

- DALI 照明驱动（Control Gears）的编址，命名、测试，参数配置和工作状态监测。
- DALI 照明驱动（Control Gears）的组和场景设置。
- DALI 输入设备（Input Devices）的编址、命名和参数配置。
- FD-DIGxx 集成网关内置的总线电源和 DALI2 应用程序控制器的配置和测试。
- DALI 总线指令实时监听。
- 支持中 / 英界面选择。
- 支持 DALI 项目配置文件的云端导入和导出操作。

Overview

DALI2pro is a specialized software used for commissioning and configuring the DALI2 lighting control system. This software can not only configure control gears and control devices that comply with the DALI2 standard, but also support the configuration of the bus power supply and DALI2 application controller of the FD-DIGxx integrated gateway. It can also save project files in the cloud, greatly facilitating the maintenance of system equipment.

Features

- Addressing, naming, testing, parameter configuration, and working status monitoring of DALI control gears.
- Group and scene settings for DALI control gears.
- Addressing, naming, and parameter configuration of DALI input devices.
- Configuration and testing of the bus power supply and DALI2 application controller built into the FD-DIGxx integrated gateway.
- Real time monitoring of DALI bus instructions.
- Support for Chinese/English interface selection.
- Support cloud import and export operations for DALI project configuration files.

