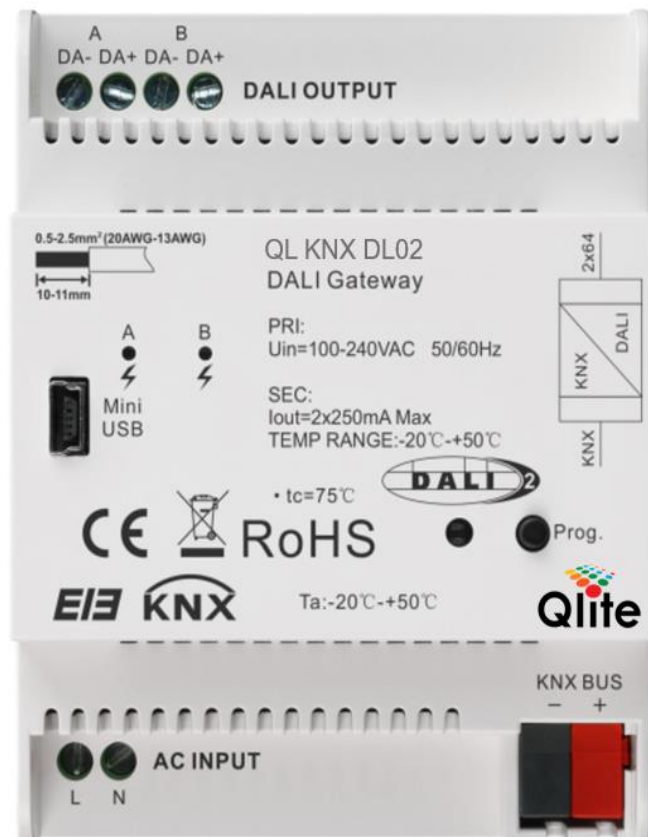# QL-KNXDL02
KNX DALI Gateway Module

- The **QL KNX DL02 – DALI Gateway** is a powerful interface designed to seamlessly connect **KNX building automation systems** with **DALI lighting networks**. With two independent DALI channels, built-in power supply, and support for multiple DALI device types (including tunable white and RGBW), this gateway enables flexible, energy-efficient, and highly configurable lighting control for modern buildings.

- It's DIN-rail mounted, compact, and engineered for long-term reliability in demanding environments — perfect for commercial, residential, and industrial smart lighting projects.

Key Features

➢ *Seamless KNX to DALI Integration*
Provides full DALI lighting control under KNX systems.

➢ *Dual DALI Outputs: Two channels supporting up to 64 control gears per channel (max 128).*

➢ **Multi-Type Device Support**: DT6, DT8 Tc, DT8 XY, DT8 RGBWAF.

➢ **Compact DIN-Rail Mounting**: Easy to install in electrical distribution panels.

➢ **Compliance & Safety**: Fully certified to KNX, DALI-2, CE, and RoHS standards.

➢ **Wide Operating Range**: Reliable from –20 °C to +50 °C ambient temperature

➢ **Built-In 2×250 mA DALI power Supply**: Eliminates the need for external supplies.

➢ **Flexible Configuration**: Addressing, grouping, and scene settings via PC software.

Specifications

Certifications
KNX, DALI-2, CE, RoHS

Model
QL KNX DL02

Function
KNX to DALI Gateway

DALI Channels
2 (A & B)

Supported Device Types
DT6, DT8 Tc, DT8 XY, DT8 RGBWAF

Supported Input Devices
Type 301, 302, 303, 304

Built-In DALI Power Supply
2×250 mA (integrated)

Input Voltage (Primary)
100–240 V AC, 50/60 Hz

Operating Temperature
–20 °C to +50 °C

Mounting
DIN Rail

Connectivity
KNX Bus Terminal + Mini USB
(programming)

Housing Temperature (tc)
75 °C max

Wiring diagram

Maximum 64 control gears

DALI Bus A
DA+ DA-

DALI DT8 RGB LED Driver
DALI DT8 XY LED Driver
DALI DT8 Tc LED Driver
DALI DT6 LED Driver

Maximum 64 control gears

DALI Bus B
DA- DA+

DALI DT8 RGB LED Driver
DALI DT8 XY LED Driver
DALI DT8 Tc LED Driver
DALI DT6 LED Driver

Note: please use an USB-A male to Mini USB male data cable to connect the gateway and the

A   B
DA- DA+ DA- DA-   DALI OUTPUT

QL KNXDL02
DALI Gateway
PRI:
Uin=100-240VAC 50/60Hz
SEC:
Iout=2x250mA Max
TEMP RANGE:-20℃-+50℃

tc=75℃

Prog.

CE RoHS
EIB KNX Tc:-20℃-+50℃

Qlite

Mini USB
USB-A

RJ45

RJ45

LAN

IP Interface

KNX BUS
- +

AC INPUT
L N

KNX BUS
- +

L
N

KNX BUS+

KNX BUS-