



DALI to 0-10V Converter

Quick Start Guide



Creative Lighting Pty Ltd

June 2026

For support, visit creativelighting.com.au/manuals

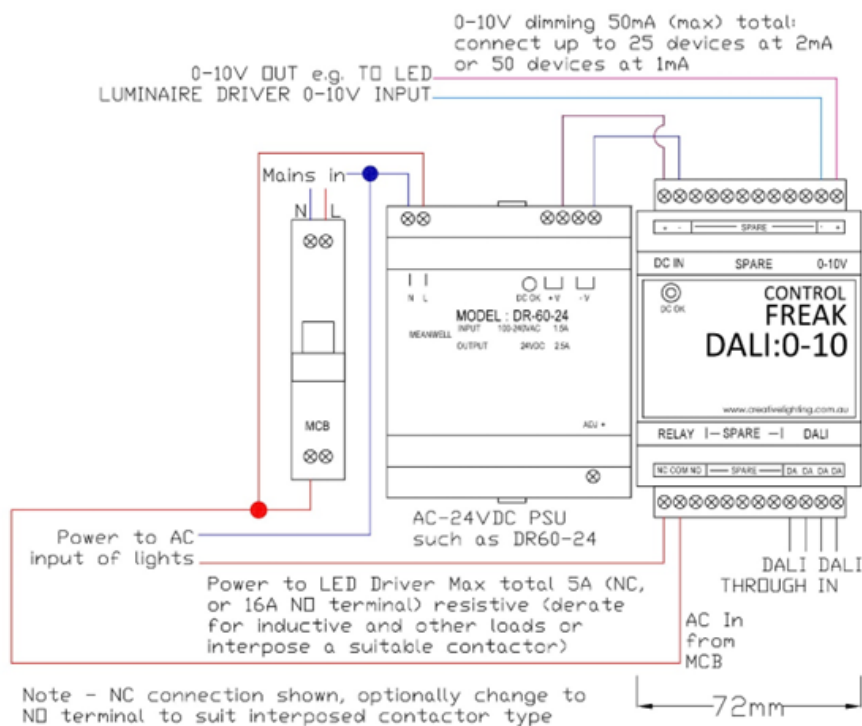
DALI to 0-10V Converter — Quick Start Guide

1. What's in the Box

- DALI to 0-10V Converter module
- This Quick Start Guide

For full technical details, DALI memory bank specifications, and device-type command tables, download the **Reference Manual** from creativelighting.com.au/manuals.

2. Wiring Overview



Note: DALI wiring is non-polarised. Either wire may connect to DALI+ or DALI-. The 0-10V outputs share the same GND as the supply input.

3. LED Indicators

LED	State	Meaning
CH 0	ON (solid)	Channel 0 relay/output enabled (level > 0)
CH 0	OFF	Channel 0 output disabled (level = 0)
CH 1	ON (solid)	Channel 1 relay/output enabled (level > 0)
CH 1	OFF	Channel 1 output disabled (level = 0)
DALI	Blinking	DALI bus activity detected
DALI	Slow pulse	Bus idle; device running normally

4. Basic DALI Commissioning

This device is an **IEC 62386-206 DT5 Supply Unit**. It supports standard DALI random addressing and can be commissioned with any IEC 62386-compliant tool.

Step 1 — Apply power and confirm both channels are wired.

Step 2 — Initialise DALI Random Addressing. Using the **Control Freak ADDICT**, go to **DALI → Installation → Random Address**. The tool will discover all devices on the bus and assign short addresses automatically.

Step 3 — Confirm addresses. Verify the discovered devices in the commissioning tool and re-assign short addresses if required.

Step 4 — Test each address. Send **RECALL MAXIMUM** then **OFF** to each short address in turn. Verify both the output and the mimic LEDs on the device respond correctly.

5. Basic Operation

DALI Command	Effect on 0-10V Output
DAPC (level 0)	Relay opens; 0 V output (off)
DAPC (level 254)	Relay closes; 10 V output (full brightness)
RECALL MAX	Full output (10 V default)
RECALL MIN	Physical minimum voltage (factory default: 1 V)
GO TO SCENE n	Recalls stored level for scene n

Default output mode: 0-10V. The device can be switched to **1-10V mode** using DALI device-type command 224 (SET_OUTPUT_RANGE_1_10). See the Reference Manual for details.

6. Factory Reset

The DALI **RESET** command restores most parameters to their factory defaults — scenes, groups, fade settings, power-on level, and system failure level. **It does not clear the short address.** Some DT5-specific parameters (such as output range and physical minimum) require a DT5 RESET — see the Reference Manual for the full command sequence.

To also clear the short address using the **Control Freak ADDICT**: go to **DALI → Installation → Set Address → CLEAR**.

To perform a full reset:

1. Send the **RESET** command to each channel's device address.
2. Send the DT5 RESET command to restore device-type specific settings.
3. In the ADDICT, go to **DALI → Installation → Set Address → CLEAR** to remove the short address so the device appears unaddressed on the next bus scan.

7. Full Technical Reference

Download from: creativelighting.com.au/manuals

Covers: DT5 command set, output range selection, physical minimum, dimming curves, energy reporting (DALI Parts 251/252/253), and troubleshooting.