

CLUB DALI

Introduction

The CLUB DALI is a compact USB-to-DALI & DMX stand-alone interface. It converts software data into DALI and DMX formats and supports DALI DT6 and DT8 commands, device categories, IDs, groups, scenes and commissioning.

It controls and can configure up to 64 IDs, 16 groups and 16 scenes on DALI fixtures. Its 512 channel DMX-RDM port sits on the same terminal block and is configured by software as an output or as a DMX input.

Bundled free software: PRO DMX 2, STUDIO DMX and Wi-Light, Windows, macOS, Linux & Raspberry Pi.



CLUB DALI

KEY FEATURES

DALI & DMX device	DALI DT6 / DT8 and DMX-RDM control from one interface, Live or Stand-Alone
DALI + DMX ports	DALI bus and one 512 ch. DMX-RDM port on a single terminal block, DMX port set as Out or as In
DALI output	Up to 64 IDs, 16 groups, 16 scenes, fixtures discovery, commissioning and configuration
Stand-Alone	64 Mb memory 512 scenes 20,000 steps up to 10 H DMX In, 3 dry-contact triggers
Free software	PRO DMX 2 STUDIO DMX Wi-Light , Windows, macOS, Linux, Raspberry Pi
Upgradable on site	Art-Net / sACN up to 512 Universes, FULL feature unlock via DeviceTool
Compatible Fixtures	DALI DT6 and DT8 fixtures, up to 64 IDs on the DALI bus All DMX512 fixtures: LED PARs, bars, strobes, simple moving heads, dimmers

SAFETY INSTRUCTIONS

Intended use	This device is intended solely for controlling lighting fixtures and effects via compatible software or hardware triggers. Any other use may result in personal injury or property damage. Chromateq accepts no liability for damage resulting from improper use.
Do not use in	Direct sunlight Extreme temperature or humidity conditions Dusty or wet environments Areas near strong magnetic fields Any situation where the unit is or may become damaged
General handling	Never use force when installing connectors. Do not immerse in water. Clean only with a dry cloth, do not use solvents, benzene, thinners or flammable cleaning agents.
Electrical safety	Verify supply voltage before connection (5 V USB-C or 9-24 V DC). Ensure proper strain relief on all wiring. Do not exceed maximum current ratings listed in specifications.
Children	Keep packaging materials out of reach of children, choking hazard. Small components may detach; ensure children cannot access them.
Disclaimer	Read all documentation before use. Retain this guide for future reference. If transferring the product to a third party, include this document.

Technical information

PC: Personal Computer (Live)

SA: Stand Alone (no computer use)

Interface, Output, Input (PC + SA)

DMX port	1 x 512 channels, set by software
DMX output	512 channels, default port mode
DMX In	512 channels, alternative port mode
Port exclusivity	DMX Out and DMX In cannot run together
RDM	Yes, Via DMX port + software (PC)
DALI output	1 x 64 IDs (16 groups, 16 scenes)
DALI + DMX	DALI bus and the DMX port run together
USB-C	USB-C power compliant
Memory	64 Mb
Upgrade	Yes, FULL or UxU for Art-Net / sACN
Triggers	x3 Dry contacts (GND), DMX In

DALI Control

DALI IDs	Up to 64 per device
Groups	16
Scenes	16
Device types	DT6 and DT8
Commissioning	Fixtures discovery, commissioning and configuration via software (PC)
DALI scenes	Created in a dedicated DT6 / DT8 window of PRO DMX 2
Scene list	DMX and DALI scenes listed together in Stand-Alone, each with its trigger

Stand Alone

Step capacity	20,000 steps up to 10 H
Scene played	2 (1 DMX + 1 DALI)
Scene number	512 max
DMX In	512 channels, triggers

Triggering & 3rd Part Connectivity

Smart dry contacts	3 x (A / B / C on Ground) (5 ms)
Contact options	On, On/Off, auto-release, restart, debounce
DMX In	512 channels, triggers
Trigger target	Any scene number, DMX or DALI scene

Protocols & Communication

DMX 512 / RDM	USITT E1.11-2008. All DMX512 / RDM device
DALI	DT6 / DT8 64 IDs 16 groups 16 scenes
RS232	Via RS232 port (PC + SA)
UDP (SA)	Triggers & commands via Ethernet devices
UDP (PC)	Via Prod DMX 2 or Pixxem software
SMPTE	Need FULL upgrade, via software (PC)
MIDI / MTC	Devices (PC), Time Clock (FULL upgrade)
Art-Net / sACN	In/Out, up to 64 U. (PRO DMX 2)
RDM Art-Net / sACN	Via software and Upgrades
Calendar / Clock / Time	Via software (FULL Upgrade) or via device RTC
SPI	Via CLUB SPI
Audio BEAT & BPM	Via software (PC)
Wi-Light APP	Via software (PC)
Keyboard	Via software (PC)
Hyperlinks	Via software (PC)

Software, APP & OS

PRO DMX 2	Free, live lighting control & stand alone
STUDIO DMX	Free, real time 3D viewer
Wi-Light	Free, iOS & Android, software control
Windows	Windows 10 / 11 (32 & 64-bit)
macOS	macOS 10.14 and latest
Linux	Ubuntu, Debian and derivatives
Raspberry	Raspberry Pi OS
USB drivers	For Intel, ADM, Qualcomm cpu
UDP / SDK	Open UDP protocol for 3rd part software
DeviceTool	Setting, firmware, upgrade

Specifications

Power input	5 V USB-C (0.2 A) or 9-24 V DC
Power consumption	0.4 W
DALI protection	200 V / 10 A
DMX isolation	3 kV / 0.12 A (fuses & diodes)
DC isolation	1.5 kV / 0.3 A
Dimensions	103 x 50 x 37.5 mm (4 x 2 x 1.5 in)
Net / Gross weight	0.10 kg / 0.16 kg (0.22 / 0.35 lbs)
Housing	Solid aluminium IP40
Operating temperature	-45 °C to +85 °C
Mounting	Desktop or screw-fix (no DIN rail)

Tools and Accessories

DIN mounting	Not supported, via DIN rail mounting unit
Power supply	Not included
USB cable	x1 Included
DMX cable	Not included

Warranty & Certifications

International warranty	3 years
Certifications	CE, FCC, RoHS, UKCA
HS customs code	8537.10.91
HTS/TARIC/UKGT/CN	8537.10.91

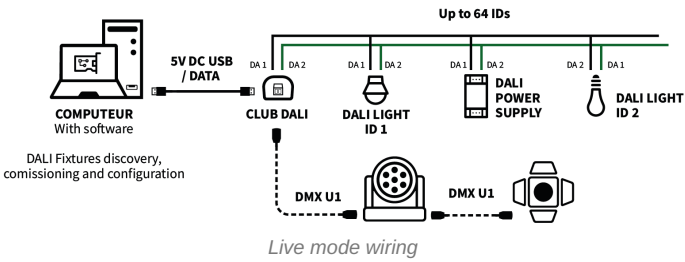
Upgrade & Live (PC)

Upgrade	FULL, UxU to unlock Art-Net / sACN
Multi-device	Up to 10 devices via USB
Art-Net / sACN Out	Up to 64 U. (PRO DMX 2)
Art-Net / sACN In	Up to 16 U. (PRO DMX 2)
Timeline	Up to 24H, need FULL Upgrade

Operating Modes

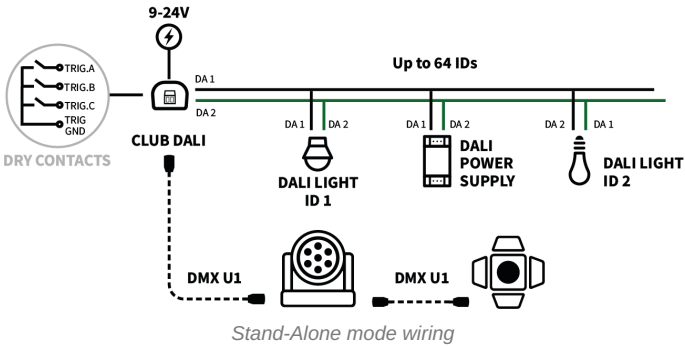
* LIVE MODE

- 1. Download and install the latest software and USB drivers
- 2. Connect the CLUB DALI to your computer via a USB-C cable
- 3. Start the software, the interface is detected automatically (green LED flash)
- 4. Discover, commission and configure your DALI and DMX fixtures
- 5. Program scenes and sequences using the lighting control software
- 6. Play your show and scenes



* STAND-ALONE MODE

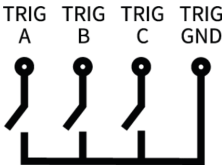
- 1. Program scenes in Live mode with the software
- 2. Save scenes to its internal memory
- 3. Close the software to test
- 4. Power the unit via USB-C (5V) or terminal block (9-24V DC)
- 5. The default start scene plays automatically (green LED flash slow)
- 6. Use the dry contacts or DMX In to select a scene to play



Triggers

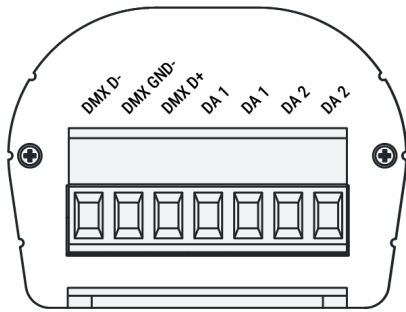
CONTACT	
Trigger A (T1)	01
Trigger B (T2)	02
Trigger C (T3)	04
A + B	03
A + C	05
B + C	06
A + B + C	07

TRIGGER ACTIONS	
On	Start scene if none is playing
On / Off	Start or stop scene on each contact
Auto-release	Scene plays while contact active; stop on release
Restart	Restart scene on each contact action
If something plays	Start only when a scene is playing
If nothing plays	Start only when nothing is playing



Connections

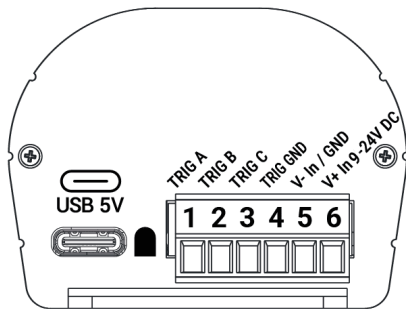
FRONT PANEL (DALI & DMX)



Terminal Block, 7 pins

1. DMX D- 2. DMX GND 3. DMX D+
4. DA 1 5. DA 1 6. DA 2 7. DA 2

REAR PANEL (USB & TRIGGERS)



USB-C

Data + 5 V DC input (0.2 A)

Status LED

Green / Red, Powered | Bootloader | Live USB |
Stand-Alone | Error

Terminal Block, 6 pins

1. Trig A 2. Trig B 3. Trig C 4. Trig GND
5. V- In / GND 6. V+ In (9-24 V DC)

STATUS LED STATES (G = Green | R = Red)

Green OFF + Red OFF	Interface not connected
Green ON + Red OFF	Interface powered (USB / External), no stored scenes
Green / Red alternating	Bootloader mode active
Green fast flash + Red OFF	Active USB communication (Live)
Green slow flash + Red OFF	Stand-Alone mode active with stored scenes
Green + Red fast flash	Blacklist active

TECHNICAL SUPPORT & RESOURCES

Download Software: chromateq.com/dmx-software-downloads/

Technical Support and commercial: chromateq.com/contact/

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