



Artistic Licence

DRAFT



*daliGate quad*

User Guide



Please read these instructions before using the product.

This product has been designed & manufactured for professional use only. It should only be installed by a suitably qualified technician and in accordance with electrical regulations in the country of use.

Unless directed in the instructions there are no user serviceable parts inside the outer case of this product.

Always disconnect from the power supply when not in use.

Any specific IP rating, where appropriate, is given in the instructions. Unless otherwise stated this product is designed for indoor use only. If used outdoors it MUST be installed in an appropriate IP rated cabinet. Do not allow this product to be exposed to rain or moisture. Do not allow liquid to penetrate the product.

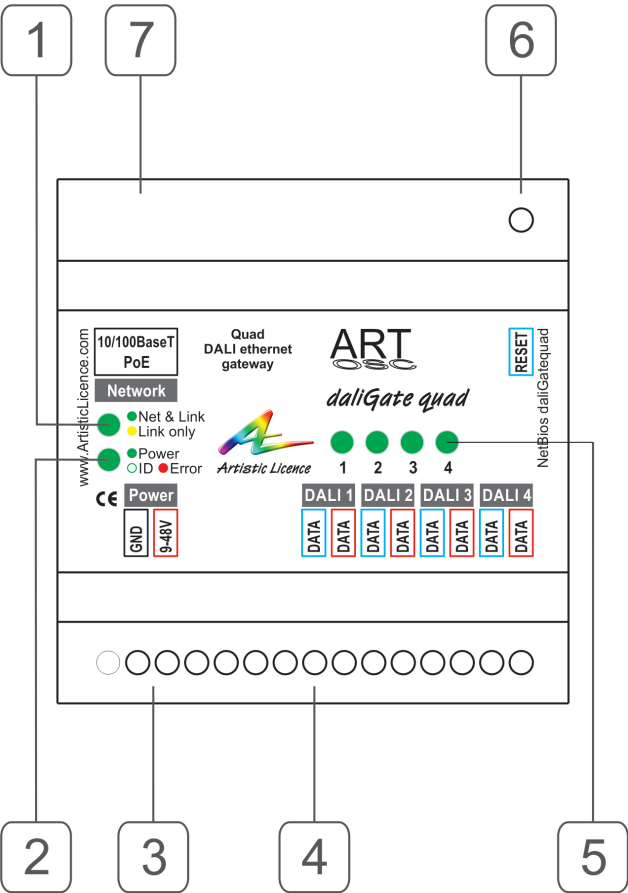
Please recycle all packaging.

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Download the user guide by scanning the following QR code:

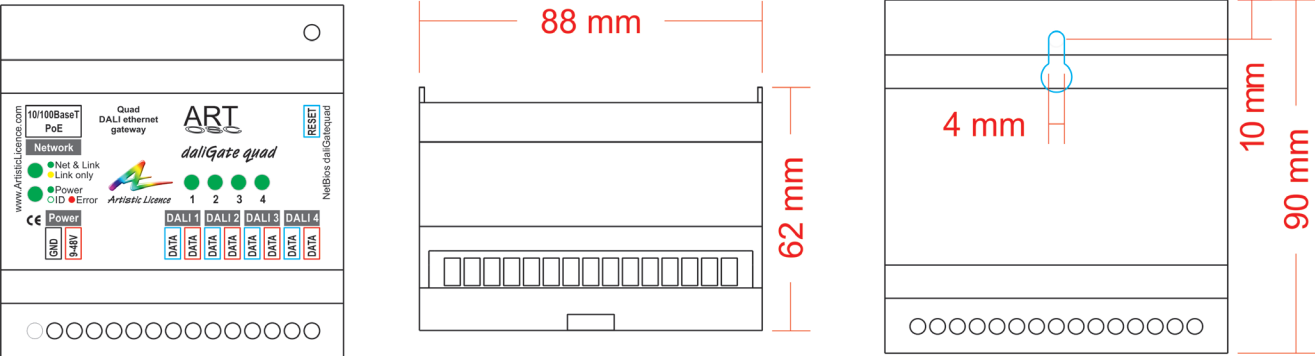


# Connections



Ref.	Type	Description
1	LED	Network indicator
2	LED	Power / Identify indicator
3	Power input	9-48 VDC
4	Data Connection	DALI ports
5	LED	DALI indicators
6	Configuration	Squawk (single press) OR Factory reset (hold down and cycle power)
7	Data/PoE Connection	RJ45

# Mounting Diagram



## Product Overview

daliGate quad is a DIN-rail mounted product with four DALI outputs; it is controlled by Art-Net (all versions) or sACN. The product allows a production or theatre lighting console to control and commission DALI fixtures, alongside DMX.

All DALI control and configuration commands (including DALI 2 device type) are mapped to RDM parameters, allowing direct control by RDM-over-Art-Net.

Each of the four DALI circuits is mapped onto a separate universe and provides individual channels, allowing simultaneous use of all the broadcast, group and channel addressing modes of DALI.

Configuration is via the internal web-browser or DMX-Workshop (free-of-charge software available from Artistic Licence). DHCP is supported for automatic IP addressing.

All four DALI circuits are individually optically isolated and are protected against mains electrocution (up to 425 VAC).

A factory reset switch enables the default settings to be restored - simply hold down and cycle the power. Alternatively, a single press of this button sends a 'squawk' message over the network to the console. This enables easy physical location of the gateway.

## Summary of Key Features

- DALI routing by ethernet (Art-Net or sACN)
- 4 optically isolated DALI ports, mains electrocution protected (up to 425 VAC)
- 10/100BaseT ethernet port (RJ45) with auto-negotiation
- DHCP or static IP
- Factory reset and Squawk button
- RDM V1.0 (E1.20 - 2010) supported
- Power, network & data activity indicators
- 9-48 VDC or PoE (IEEE 802.3af - 2003)
- Configurable using internal web-browser or DMX-Workshop
- DALI data sniffer for developers

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## Power

daliGate quad can be powered from either an external PSU (9-48 VDC) or with PoE (Power-Over-Ethernet). PoE requires a suitable ethernet switch for the power source, such as Art-Switch PoE4.

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## Ethernet Connection

daliGate quad has a single RJ45 ethernet input. The interface can accept Art-Net (the public domain protocol invented by Artistic Licence), or sACN (the standard managed under ESTA/PLASA E1.31).

daliGate quad requires Cat 5 cable or better and supports 10BaseT and 100BaseT.

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## DALI Outputs

daliGate quad provides 4 DALI circuits. There are 4 individually isolated output ports with 2-pin screw terminal connectors.

All outputs are electrocution protected against continuous connection to 425 VAC (self-healing).

## LED indication

daliGate quad features various LED indicators, which give different informational signals depending on whether the product is booting up or in operational mode. The meanings are explained below.

### During boot-up

- Power LED
  - Slow flashing green (1Hz) = booting normally
  - Slow alternating green/red (1Hz) = factory start (settings cleared)

### During operation

- Power LED
  - Static green = powered, normal operation
  - Fast flashing green (5Hz) = identify\*\*
  - Occulting green = remote programming command received
  - Static red = fault condition
  - Fast alternating green/red (5Hz) = product is not commissioned (return for service)
- Net & Link LED
  - Yellow = network link established (but no lighting data)
  - Green = Art-Net or sACN detected
- LEDs 1, 2, 3 & 4
  - Green = Data activity
- All indicators
  - Off = mute command received

#### Net & Link LED:

OFF = Not connected

Yellow = Connected but no lighting data

Green = Art-Net / sACN on network

#### Power LED:

OFF = Not connected

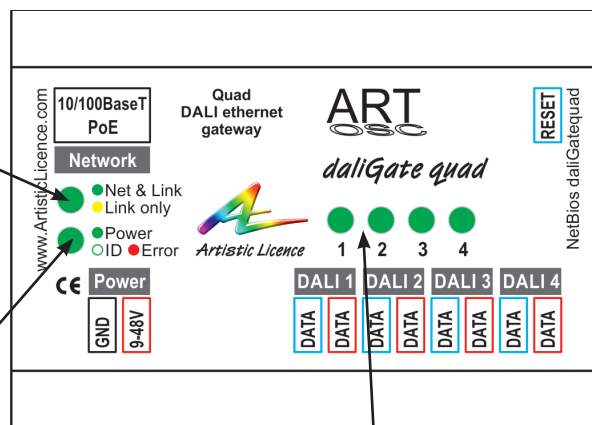
Green (solid) = Good power

Green (flashing) = Identify\*\*

Red = Fault condition

**\*\*The Power LED will flash continuously when the Identify command is sent by DMX-Workshop. This enables daliGate quad to be easily distinguished on a network containing multiple nodes.**

*This LED will also blip briefly in response to any programming command received via the network.*



#### DALI LEDs:

OFF = No data is being sent to this circuit

Green = Lighting data is being output on this circuit

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## Warranty

All products are covered from date of purchase by a two-year return to base warranty.

By return to base, we mean that the customer is responsible for all costs of transport to and from Artistic Licence.

Returns will not be accepted without prior authorisation. In order to discuss a request to return goods, please email:

[Sales@ArtisticLicence.com](mailto:Sales@ArtisticLicence.com)

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## Compliance

All Products manufactured or sold by Artistic Licence Engineering Ltd are fully compliant with the appropriate CE and RoHS regulations. Product specific information is available on request.

### Waste Electrical & Electronic Equipment (WEEE)

Artistic Licence is a member of a WEEE compliance scheme and will happily recycle any of our products that you, at your expense, return to us.

**CE Compliance**



daliGate quad is CE compliant



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Due to our policy of continuing product improvement specifications are subject to change without notice

