

Frequently asked questions

Introduction

This is a guide to the questions that you may have about LiGO.

LiGO is a lighting control system designed to save energy, reduce maintenance and provide a comfortable well lit environment, correct for the application.

LiGO system architecture

What is the network structure between LiGO?

The network structure is Ethernet

How many controllers can you put on a single system?

Theoretically up to 10,000 controllers !

How many DALI networks on a LiGO controller?

LiGO can support 4 or 8 DALI networks

How many pieces of control gear and control devices on a DALI network?

64 Dali, 64 eDali or 100 DSI, depending upon the Dali PSU capacity.

Is there any use of DALI settings in control gear? E.g. groups, scenes, etc.

LiGO utilises the majority of standard settings within the control gear.

Are multiple “inputs” on control devices supported? E.g. presence detection, light sensor, switch input, IR control – all from the same sensor?

Yes, LiGO supports multiple inputs from presence detection to switch input, plus many more.

LiGO operation & reliability

What is the speed of response from e.g. a button press? ... from inputs to outputs across different LiGO's?

Milliseconds, local, loop to loop or across LiGO's

If a control device or control gear needs to be replaced, what has to be done to get the system back to correct operation?

Remove old (physically) and replace, scan in new, drag over missing device, LiGO completes the rest of the settings.

Frequently asked questions

Commissioning

How are individual luminaires identified?

Via the Identification Wizard resident in the LiGO

How are devices grouped?

Devices can be grouped via the Wizard or in the grouping page in the LiGO

Are groups system wide, or local?

System wide – Group can span Dali legs on local or remote LiGO's

What diagnostic aids are there to help troubleshoot installation or commissioning problems? E.g. wiring faults, DALI bus power insufficient, too many DALI devices (addresses) on a bus, etc.

The web page details these faults. Bus power is not an available point from and Dali convertor available on the market today.

Can commissioning be done offline?

Offline commissioning is not necessary with LiGO.

Can more than one person commission a system simultaneously?

Yes, there is no limitation on the number of users commissioning a LiGO system.

LiGO device support

What other control devices are supported and can be used with LiGO? Please check Helvar's and Tridonic's web site for more details of these products.

LiGO supports the following devices:

Tridonic MC, Tridonic M-Sensor,

Helvar 100, Helvar 110, Helvar 111, Helvar 121, Helvar 122, Helvar 124, Helvar 125, Helvar 126, Helvar 131, Helvar 132 Helvar 134, Helvar 135, Helvar 136, Helvar 137, Helvar 312, Helvar 314, Helvar 315, Helvar 444, Helvar 445

Which of the control gear types are fully supported by LiGO? - E.g. fluorescent, emergency, HID, LED, LV, 1-10V converter, dimmer, relay, colour control etc.

All DALI control gear types are fully supported plus the additional non-standard types below:

- Tridonic FOX HID driver (DALI)
- Hybrid Dali/DSI Network Dali and DSI devices on the same network.
- Madli Protocol supported for Metrolight products

Frequently asked questions

Emergency testing

Are EM ballast self-test intervals utilised?

The internal calendar within an EM ballast is disabled by LiGO

Can self-test intervals be overridden by LiGO scheduled test dates/times?

Self-tests duration and function are monitored and scheduled by LiGO

What happens on a test failure? E.g. reporting, logging, re-testing?

Reporting and logging is held within reports in the LiGO and emailed to system users. Central battery is also supported by LiGO

Logging / Reporting / Alarms

What information can be logged within the LiGO?

The LiGO can log lux level, output level, occupancy metrics, virtual Energy, emergency tests, alarm reports.

How much data can be logged within the LiGO?

LiGO can log data for 3 months for graphing and alarms and up to 2 years for emergency test.

In what formats can reports be generated from LiGO?

HTML reports and scheduled email reports can be obtained from LiGO.

Can report creation/emailing be automated?

HTML reports and scheduled email reports can be obtained from LiGO.

Can alarm information reporting be automated?

HTML reports and scheduled email reports can be obtained from LiGO.

Scheduling

What can be scheduled? - E.g. level changes, scenes, emergency test, emailed reports etc?

Timezone functionality for the control of groups, reports can all be scheduled by LiGO.

Can LiGO support astro time scheduling (dawn/dusk)?

Yes, LiGO supports world clocks. Sunset/sunrise is supported as well as dawn/dusk scenes for replication of natural sunrise/sunset.

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Integration

How does the LiGO system integrate to Trend or other BMS Systems?

LiGO connects via vIQ or Direct connection to Trend. BacNet Support.

How can the system integrate to BACnet and what is the maximum number of points that can be exposed?

LiGO integrates to BACnet via the BACnet client driver and the number of points is only limited by the licence.

Is LiGO BTL certified?

LiGO is not BTL Certified

How can the LiGO system integrate to Tridium/Niagara/Jace?

Integration is done via BACnet Client

How can the system integrate to other systems?

LiGO can integrate via the Crestron driver onboard, or if required Modbus

Conditional logic: graphical and/or script programming

What can be done?

Only conditional logic is done on inputs vs time zone for that input

How is LiGO programmed?

Programming is done Via a web page

What types of conditions can be applied? E.g. time range, date range, analogue input range, Boolean logic...Can conditional logic use state/input from other BMS systems (e.g. Trend, BACnet)?

Conditional logic should be done in a remote controller if required, however Open Technology have a list of in excess of 100 macro scenes (and growing) that cover every eventuality.

Frequently asked questions

Hardware

What hardware components make up a system?

The LiGO system is made up of:

- The LiGO controller
- Dali Convertor
- PSU

How does each DALI network interface to the controller?

The network is interfaced to the controller by RS232

Software

What is the embedded software ?

LiGO utilises MySQL as a database to store all system parameters.

How often are new software releases made?

As a fast and innovative company Open Technology are always bringing new features to market. Currently we are trialling within our own office some new LED features to extend the life of your LED investment.

Are software releases given to end customers, or only upgraded by Open Technology?

The software is upgradeable by the end customer, our team are also available to support or do upgrades if required.

Further information

More information about Open Technology and LiGO can be found on our website www.opentechnologyuk.com

Alternatively please call us on +44 (0)845 680 4004 or email info@opentechnologyuk.com