iLight

iLight

intelligent controls

Product Guide

English 06-07

About iLight

We've got it all under control

Creatively translating our clients lighting visions into reality is at the heart of what we do. To achieve this we have recruited experts in to all areas of our business from design, manufacture, sales and support. This knowledge base enables iLight to understand all aspects of lighting control and helps us assess the needs of and work with lighting designers, consulting engineers, developers and installers.

iLight control products can be found in any environment where pre-programmed or timed lighting control is required. These include a huge variety of applications from smart homes, retail shopping developments, churches, conference centres, hotels, office buildings, ocean liners, themed restaurants and theme parks.

We have experience in providing solutions for building management systems, for creating ambient lighting for residential, hotel and restaurant environments, large scale dramatic architectural lighting and fully integrated entertainment systems.

The power, intelligence and breadth of our product range is extensive; from powerful yet easy use software, to elegant control panels and a range of source controllers to dim and control all load types. What's more, as our products are both practical and upgradeable they are easy to install and economical to own.

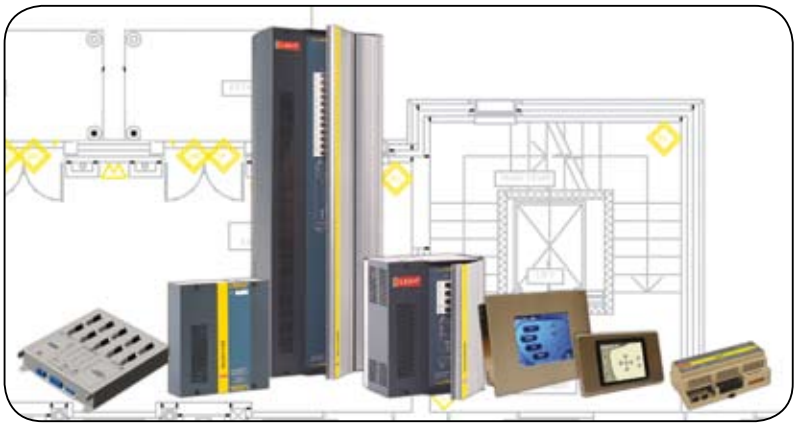
For thirty years we have lead the way in setting standards of service. We pride ourselves on our rapid response to enquiries, provision of detailed quotations and AutoCAD system drawings, our helpful customer support and commissioning teams and flexible 24 hour maintenance contracts.

iLight have an established reputation as one of the leading brands within the lighting control industry. From exclusive retail boutiques to globally renowned hotel complexes we have undertaken a vast array of projects throughout the UK and across Europe, Middle East and Asia.

Projects include Medinah Hotel (Saudi Arabia), The Phoenix Initiative (UK), Helsinki Bank Restaurant (Finland), Saint Vincent Casino (Italy), London City University (UK), The World Resort Ship (Norway), Concord Hotel (Kuala Lumpur), National Gallery of Ireland, Fugirola Zoo (Malaga) and major hotel chains such as Hyatt, Hilton, Holiday Inn and Intercontinental.

About our products

iLights range of iCAN control products have been carefully designed to meet the needs of all people involved with a project including lighting and interior designers, installers and the final users of the system.



Design

We relish working with creative teams during the design phase. The exhaustive choice of products and peripherals within the iCAN range will enhance, not limit or constrain the design process. iLight has a comprehensive selection of source controllers that can control virtually any light source including resistive, capacitive and inductive loads, fluorescent 0-10V, DALI and DSI, cold cathode, neon, LED, DMX512 and switched loads.

iLight has extensive experience in working with award winning lighting designers, providing the control tools to help them create ground breaking, innovative and inspirational lighting.

Installation

For those installing our products we have worked hard to ensure that they are straight forward and easy to install. The iCAN network is connected using readily available Cat5 cabling and uses the extremely robust "CANbus" protocol for communicating network messages.

The iCAN system also offers RS232 and RS485 for easy integration with AV and other peripheral equipment. A range of iCAN interfaces allows iLight's cost effective system to form the hub of a smart-home installation, removing the need for additional control systems.

Distributed intelligence across the iCAN range also means that the system is easily scalable and unlike many alternative systems, is not reliant on a single central processor.

Enjoy

At the front end of the system we offer a wide choice of user interfaces in a variety of styles and finishes to match in with individual tastes or themes. iLight offers a custom service for generating bespoke control panels. Our cost effective LCD colour touchscreens can import graphics, logo's or 3D building plans to create unique designs.

The iCAN system is software based. It provides the user with immense flexibility and is easy to live with. The configuration and programming software coupled with configurable user interfaces means that the system operation can be easily and conveniently changed as needed. This allows owners to obtain maximum benefit and low cost of ownership from the system during the lifetime of the installation.

Peace of Mind

When installed, operated and maintained correctly, iLight's product range is designed to be durable and reliable. We take our CE compliance very seriously, utilising both in-house and independent test houses to ensure we comply. iLight is ISO90001:2000 accredited and we offer a 30 month standard warranty on all of our products.

Special Projects

The engineering department at iLight thrive on providing technical solutions to design lead innovation. Our team of engineers have a vast range experience in dealing with all manner of complexity and scale of projects. iLight is able to deliver bespoke solutions and manage their execution to a satisfactory completion, on time and on budget.

Integration

The iCAN network, iCAN products and associated accessories are designed offer comprehensive, flexible and cost effective solutions for both lighting and integrated control systems. Our products offer a range of connectivity options and specialist features to ensure we can seamlessly integrate with third party equipment and control systems.

Typical applications include;

Architainment

This is the generic name used to describe the use of entertainment lighting practices in an architectural environment. It is used for Theme Parks and the exterior lighting of both Public and Commercial buildings such as Retail Shopping Centres and Casinos.

The iLight iCANnet backbone can be used over many kilometres, employing over 65,000 devices and where required, can interface with Ethernet networks (via cable or wireless). Entertainment "show" control from DMX512 controllers, iCAN source controllers and control of intelligent fixtures or LED arrays are all part of the package. Integration with all manner of devices is possible, from MIDI, Radio Modems, RS232, RS485 as well as analogue voltage controls.

Residential

Smart Home owners increasingly expect fully integrated controls in their homes. With iLight's scalable solutions, control of lighting, motorised curtains & blinds, audio visual, heating, air conditioning plus integration with security systems and water features are all part of our offering. Bespoke colour LCD touchscreen controllers, which iLight offers at a truely affordable price, provide the ideal interface to control any system in the home.

The distributed data processing concept of the iCAN network ensures maximum flexibility coupled with low cost of ownership. Where integration is needed with Crestron or AMX central control systems, iLight offers a number of choices for efficient two way communication.

Commercial Buildings

In addition to offering Lighting Management control systems (see page 19), iLight can also integrate with other building systems. When iLight lighting controls are the system of choice for the board room, meeting rooms, entrance halls, lift lobbies and exteriors, these can be effectively integrated with the building management systems, fire alarms and security.

iLight offers a range of options from simple dry loop contact closure interfaces through to bespoke hardware and software integration. Standards employed include Ethernet, CAN, RS232 and RS485. In addition to this we offer a range of smart and programmable interface devices some with sequencing and programmable logic control.

In high specification areas such as board rooms or conference suites, iLight can offer Smart Home style integration of Audio Visual, lighting and blinds for the ultimate professional presentation.

Please refer to pages 14 &15 for iLight's comprehensive range of interface units.

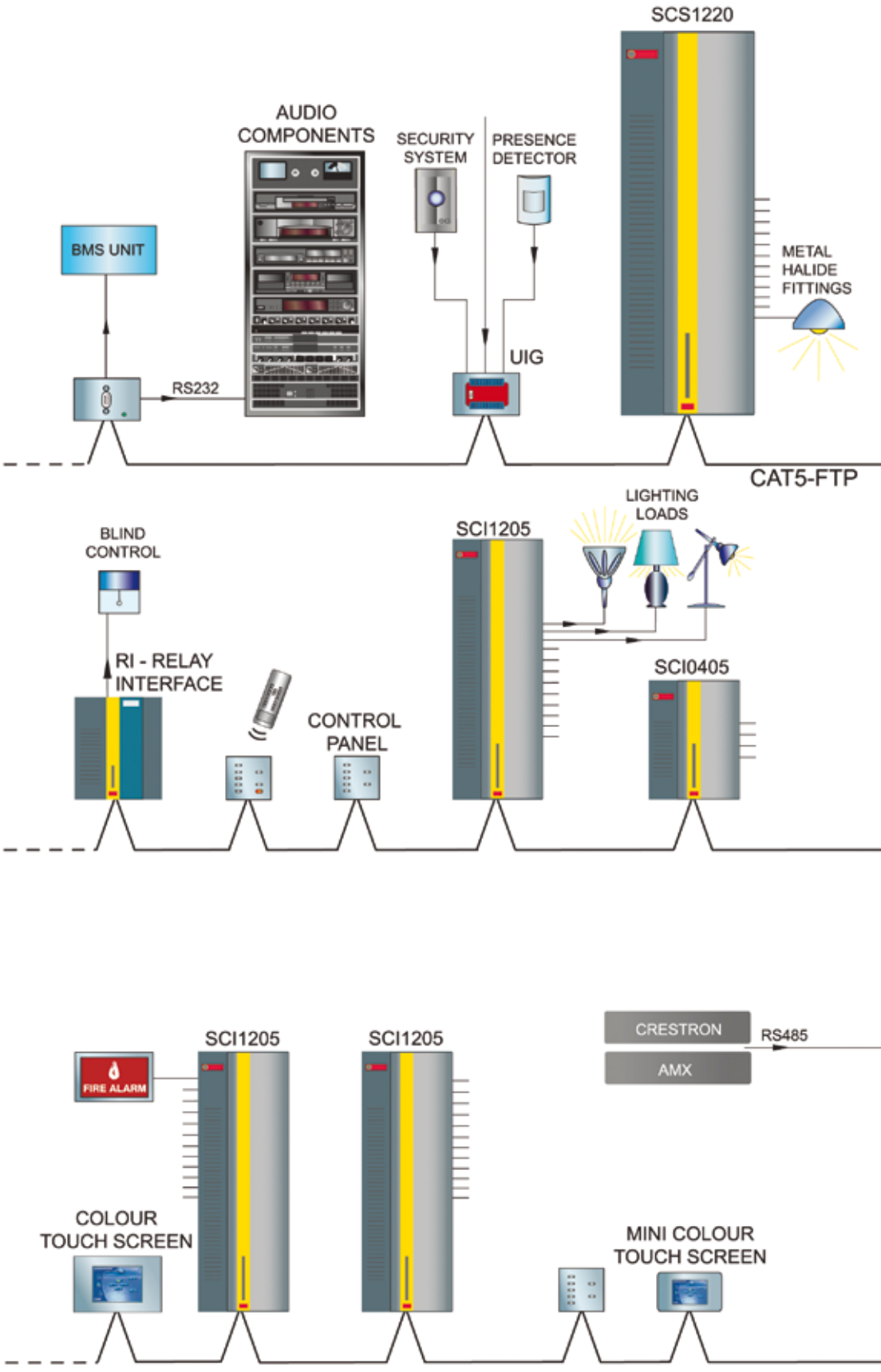
Network overview

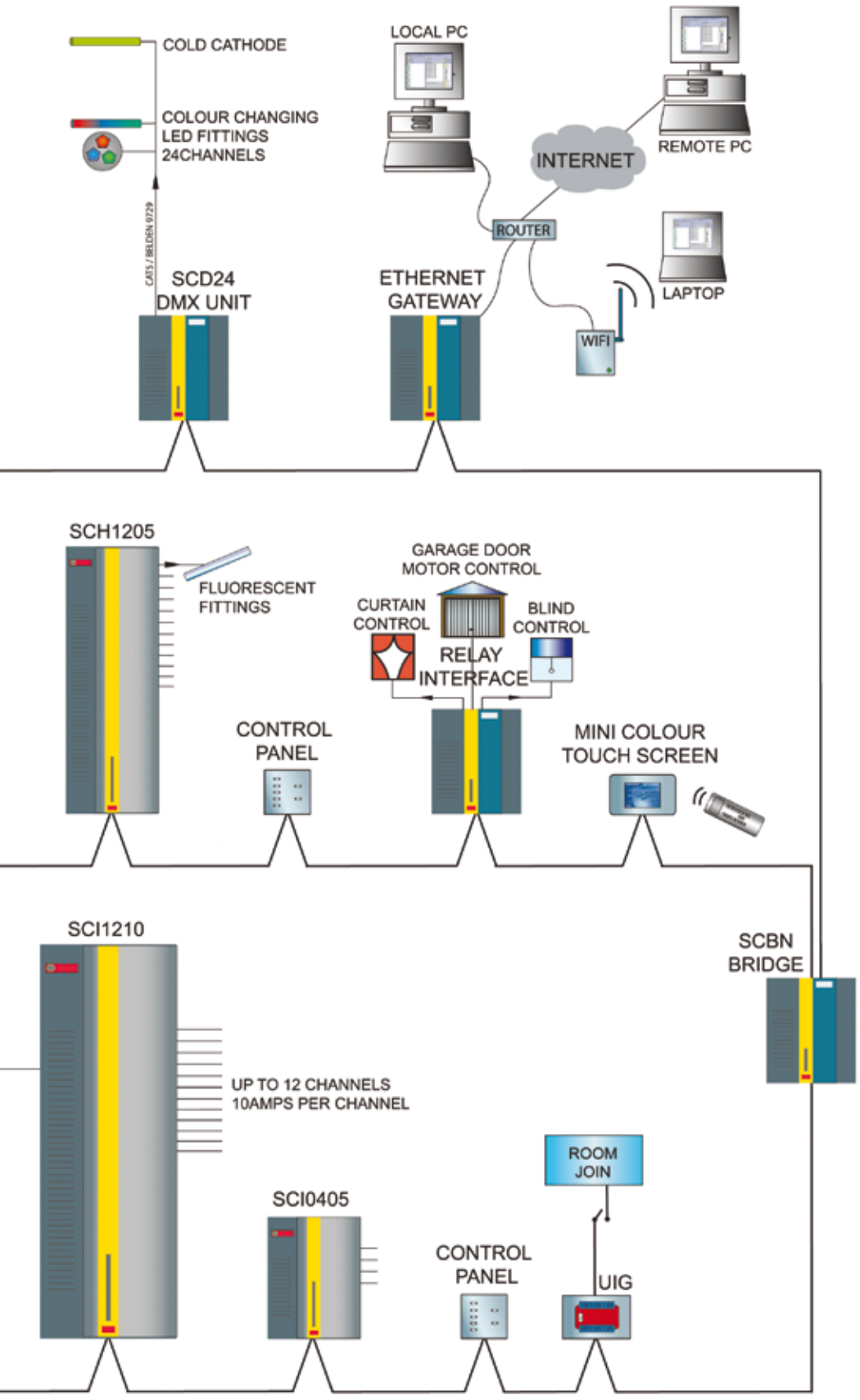
The iCAN network has been designed to offer total freedom and flexibility in system design.

Up to 65000 devices may be connected to a single iCAN network and with distributed data processing it is truly scalable. There are virtually no limits as to what can be added to the system and with no central memory, components can easily be added or removed as required.

iLight's extensive product range includes sources controllers, interfaces and accessories that provide control solutions across residential, commercial and entertainment style projects. All common communications protocols are catered for, ensuring that the iLight system seamlessly integrates with other control components within an installation.

The network utilises standard CAT5 FTP cable and can be up to 1 kilometre between nodes.





Connectivity

The iCAN system provides connectivity to the following protocols;

Architainment

- DMX512
- MIDI
- Ethernet

Commercial & Residential

- Ethernet
- DSI
- DALI
- CAN
- RS232
- RS485

Source Controllers

The iCAN source controllers from iLight are mechanically elegant, practical to use and above all safe.

They offer unrivalled choice of control, with a substantial range of options to offer the specifier, installer and user to build up any size of system in virtually any combination. All products are future proof due to their software-based structure and upgradeable firmware.

Our extensive experience in architectural lighting controls has enabled us to incorporate a wealth of small, detailed features that collectively make the best all round source controller available today.

Key features

General

- Choice of loads for high frequency ballasts, resistive, inductive, capacitive and switched loads
- Choice of 1, 4 or 12 channel units to match size of installation required
- Low noise for standard dimmers or silent operation for adaptive dimmers
- 128 Scene memory and fully configurable personality
- Fade rates of 0.1 to 60 minutes per scene
- RJ12 programming point
- iCAN network port with loop in, loop out terminals for CAT5 cable
- Audio Visual (RS485) port
- Optional DMX input
- Auxiliary over-ride port
- CE compliant

Mechanical

- Lockable hinged cover over MCB's to prevent unauthorised access to interior
- Standard knock-outs to accommodate UK and European conduit
- Installation details fitted to unit exterior for ease of installation

Electronic

- Circuit and device protection from a choice of MCB styles to comply with most regulatory standards (single pole, double pole, neutral disconnect or terminals)
- Voltage and current (real-time) monitoring and shut-down (adaptive only)
- Patented "iProtect" system to protect lamps and devices from excessive in rush current and short circuit conditions (adaptive only)
- Emergency lighting terminals
- LED status indication of channel status levels, iCAN network watchdog and electronic bypass status
- Fail to full on for all units on CPU failure
- Test switch and electronic bypass switch
- Over heat protection

iCAN Inductive source controllers

- Dim resistive, inductive and low voltage electronic transformer loads (that are compatible with leading edge dimmers)

iCAN Adaptive source controllers

- Controller outputs can be adapted to resistive, inductive and capacitive load types
- Complete with iPROTECT™ lamp protection and auto short circuit protection

iCAN Combined Controllers

- Cost effective combined controller for inductive, HF ballast and switched loads
- Suitable for AV applications
- 4 circuits of inductive, 4 circuits of 1-10V, DSI and DALI ballast control and 4 relays for power

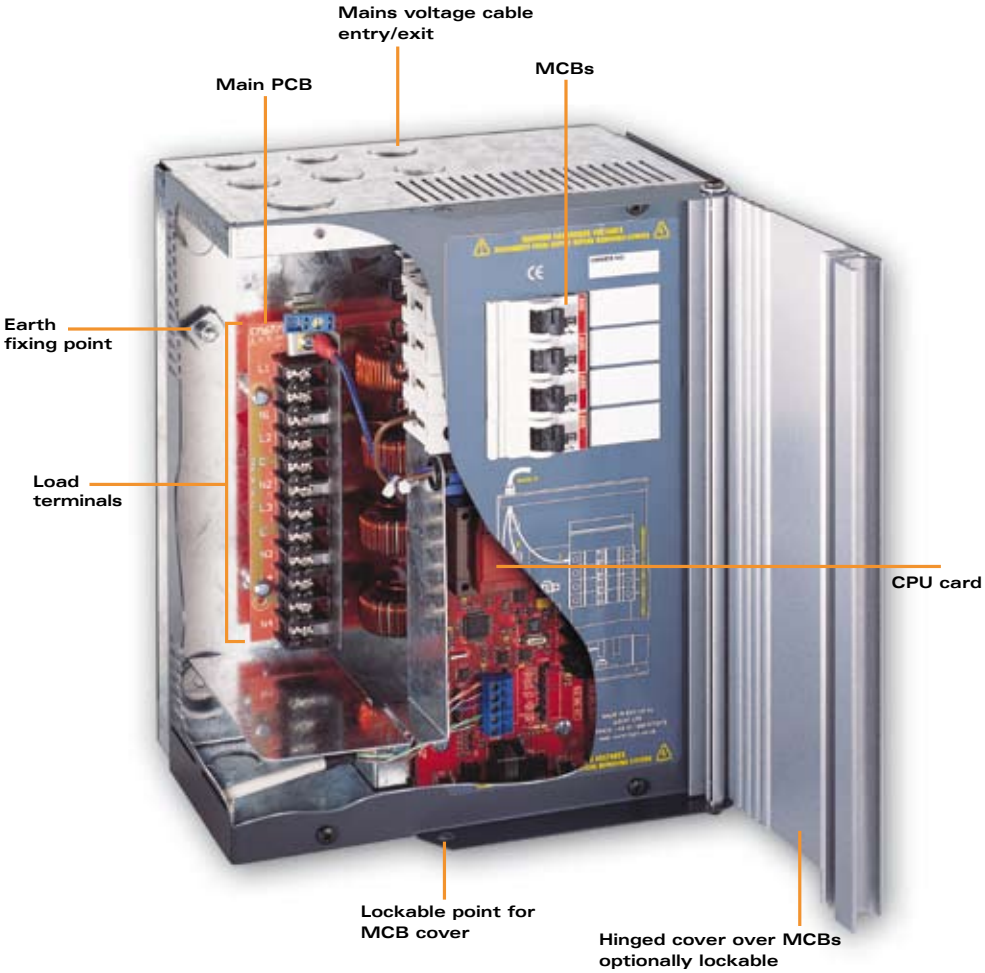
iCAN HF ballast source controllers

- Suitable for 1-10 volt analogue, Tridonic DSI or DALI control configurable from iCANsoft
- 230V switched relay outputs

iCAN Switched relay controllers

- Switching of resistive, inductive or capacitive lighting loads
- Quiet operation

Internal view of iCAN Source Controller



iCAN Inductive Source Controllers

S - Single Pole, **D** - Double Pole, **N** - Neutral Disconnect, **T** - Terminals

SCI0405S
SCI0405N

- 4 x 5 Amp iCAN inductive source controller module
- Suitable for 20 Amp single phase supply
- MCB protection behind lockable hinged cover
- Dimensions: 280x220x155mm
- Weight: 4 Kilograms

SCI1205S
SCI1205N

- 12 x 5 Amp iCAN inductive source controller module
- Suitable for 40 Amp single phase supply
- MCB protection behind lockable hinged cover
- Dimensions: 550x220x155mm
- Weight: 10 Kilograms

SCI0110T

- 1 x 10 Amp iCAN inductive source controller module
- Suitable for 10 Amp single phase supply
- Dimensions: 240x220x80mm
- Weight: 2.5 Kilograms

SCI0410S
SCI0410D
SCI0410N

- 4 x 10 Amp iCAN inductive source controller module
- Suitable for 40 Amp single phase supply
- MCB protection behind lockable hinged cover
- Dimensions: 400x220x155mm
- Weight: 7 Kilograms (SCI0410D 8 Kilograms)

SCI1210S
SCI1210D
SCI1210N

- 12 x 10 Amp iCAN inductive source controller module
- Suitable for 40 Amp 3 phase supply
- MCB protection behind lockable hinged cover
- Dimensions: 850x330x155mm
- Weight: 18 Kilograms (SCI1210D 19.5 Kilograms)

Source Controllers

iCAN Inductive Source Controllers - *Continued*

S - Single Pole, **D** - Double Pole, **N** - Neutral Disconnect, **T** - Terminals

SCI0420S
SCI0420D
SCI0420N

- 4 x 20 Amp iCAN inductive source controller module
- Suitable for 80 Amp single phase supply
- MCB protection behind lockable hinged cover
- Dimensions: 375x330x155mm (SCI0420D - 450x300x150mm)
- Weight: 9 Kilograms (SCI0420D - 12 Kilograms)

SCI1220S
SCI1220D
SCI1220N

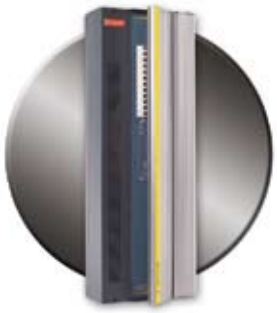
- 12 x 20 Amp iCAN inductive source controller module
- Suitable for 80 Amp 3 phase supply
- MCB protection behind lockable hinged cover
- Dimensions 850x330x155mm
- Weight 22 Kilograms (SCI1220D - 23.5 Kilograms)

iCAN Adaptive Source Controllers

SCA0410S
SCA0410D
SCA0410N

- 4 x 10 Amp iCAN adaptive source controller module
- Suitable for 40 Amp single phase supply
- MCB protection behind lockable hinged cover
- Dimensions: 375x330x155mm
- Weight: 9 Kilograms (SCA0410D 10 Kilograms)

SCA1210S
SCA1210D
SCA1210N



- 12 x 10 Amp iCAN adaptive source controller module
- Suitable for 40 Amp 3 phase supply
- MCB protection behind lockable hinged cover
- Dimensions: 850x330x155mm
- Weight: 18 Kilograms (SCA1210D 19.5 Kilograms)

iCAN Combined Source Controllers

SCI0805T
SCI0805S
SCI0805N

- 8 x 5 Amp source controller, 40 Amp single phase supply
- 4 circuits of inductive, 4 circuits of 1-10V, DSI and DALI ballast contro l and 4 relays for power switching of non-dim loads.
- Dimensions 400x220x155mm
- Weight: 5 Kilograms

iCAN Trailing Edge Source Controllers

SCT0405S
SCT0405D
SCT0405N

- 4 x 5 Amp iCAN trailing edge source controller module
- Suitable for 20 Amp single phase supply
- MCB protection behind lockable hinged cover
- Dimensions: 280x220x155mm
- Weight: 4 Kilograms

Not suitable for magnetic loads

SCT1205S
SCT1205D
SCT1205N

- 12 x 5 Amp iCAN trailing edge source controller module
- Suitable for 40 Amp single phase supply
- MCB protection behind lockable hinged cover
- Dimensions: 550x220x155mm
- Weight: 10 Kilograms

Not suitable for magnetic loads

iCAN HF Ballast Controllers

SCH0410S
SCH0410D
SCH0410N

- 4 x 10 Amp iCAN HF Ballast controller module
- Suitable for 40 Amp single phase supply
- MCB protection behind lockable hinged cover
- Dimensions: 280x220x155mm (SCH0410D 400x220x155mm)
- Weight: 4 Kilograms (SCH0410D 5 Kilograms)

SCH1210S
SCH1210D
SCH1210N

- 12 x 10 Amp iCAN HF Ballast controller module
- Suitable for 40 Amp 3 phase supply
- MCB protection behind lockable hinged cover
- Dimensions: 550x220x155mm (SCH1210D 690x220x155mm)
- Weight: 9 Kilograms (SCH1210D 10.5 Kilograms)

SCH1220S
SCH1220D
SCH1220N

- 12 x 20 Amp iCAN HF Ballast controller module
- Suitable for 80 Amp 3 phase supply
- MCB protection behind lockable hinged cover
- Dimensions: 550x220x155mm (SCH1220D - 690x220x155mm)
- Weight: 9 Kilograms (SCH1220D - 10.5 Kilograms)

Source Controllers

iCAN Switched Relay Controllers

S - Single Pole, **D** - Double Pole, **N** - Neutral Disconnect, **T** - Terminals

SCS0410S
SCS0410D
SCS0410N

- 4 x 10 Amp iCAN switched relay source controller module
- Suitable for 80 Amp single phase supply
- MCB protection behind lockable hinged cover
- Dimensions: 280x220x155mm (SCS0410D 400x220x155mm)
- Weight: 4 Kilograms (SCS0410D 5 Kilograms)

SCS0420S
SCS0420D
SCS0420N

- 4 x 20 Amp iCAN switched relay source controller module
- Suitable for 80 Amp single phase supply
- MCB protection behind lockable hinged cover
- Dimensions: 280x220x155mm (SCS0420D 400x220x155mm)
- Weight: 4 Kilograms (SCS0420D 5 Kilograms)

SCS1210S
SCS1210D
SCS1210N

- 12 x 10 Amp iCAN switched relay source controller module
- Suitable for 40 Amp 3 phase supply
- MCB protection behind lockable hinged cover
- Dimensions: 550x220x155mm (SCS1210D 690x220x155mm)
- Weight: 9 Kilograms (SCS1210D 10.5 Kilograms)

SCS1220S
SCS1220D
SCS1220N

- 12 x 20 Amp iCAN switched relay source controller module
- Suitable for 80 Amp 3 phase supply
- MCB protection behind lockable hinged cover
- Dimensions 550x220x155mm (SCS1220SD - 690x220x155mm)
- Weight: 9 Kilograms (SCS1220D - 10.5 Kilograms)

iCAN Emergency Source Controllers

SCH0410SEM

- 4 x 10 Amp iCAN HF Ballast controller module
- Suitable for 40 Amp single phase supply
- MCB protection behind lockable hinged cover
- Isolator - 2 pole
- 4 pole contactor
- Dimensions: 280x220x155mm
- Weight: 4.5 Kilograms

iCAN Emergency Source Controllers - *Continued*

SCI0410SEM

- 4 x 10 Amp iCAN inductive source controller module
- Suitable for 40 Amp single phase supply
- MCB protection behind lockable hinged cover
- Isolator - 2 pole
- 4 pole contactor
- Dimensions: 400x220x155mm
- Weight: 7.5 Kilograms

SCI1205SEMCTU

- 12 x 5 Amp iCAN inductive source controller module
- Suitable for 40 Amp single phase supply
- MCB protection behind lockable hinged cover
- Isolator - 2 pole
- Three 4 pole contactors
- Central Test Unit (CTU)
- Dimensions: 550x220x155mm
- Weight: 10.5 Kilograms

SCI1210SEMCTU

- 12 x 10 Amp iCAN inductive source controller module
- Suitable for 40 Amp 3 phase supply
- MCB protection behind lockable hinged cover
- Isolator - 4 pole
- Three 4 pole contactors
- Central Test Unit (CTU)
- Dimensions: 850x330x155mm
- Weight: 18.5 Kilograms

SCH1210SEMCTU

- 12 x 10 Amp iCAN HF Ballast controller module
- Suitable for 40 Amp 3 phase supply
- MCB protection behind lockable hinged cover
- Isolator - 4 pole
- Two 4 pole contactors (only 8 ccts of emergency)
- Central Test Unit (CTU)
- Dimensions: 550x220x155mm
- Weight: 9.5 Kilograms

SCS1210SEMCTU

- 12 x 10 Amp iCAN switched relay source controller module
- Suitable for 40 Amp 3 phase supply
- MCB protection behind lockable hinged cover
- Isolator - 4 pole
- Two 4 pole contactors (only 8 ccts of emergency)
- Central Test Unit (CTU)
- Dimensions: 550x220x155mm
- Weight: 9.5 Kilograms

Control Panels

From powerful and easy-to-use software and elegant control panels to integration with Audio Visual and Building Management Systems, iLight range offers the ultimate in interfacing.

The iLight control panel range can be configured to match any specification for scene setting, graphical touch screen control, time based scene selection, sequencing, and simple manual fader control. There are three control plate ranges available, our Classic range, the Classic Plus range and the slim & elegant Architrave range.

Classic and Classic Plus Control Panel Features

- Up to 10 configurable, internally illuminated push buttons on a single gang panel. The 'Classic' range is also available as a double gang panel with up to 20 buttons.
- Integral RJ12 programming point with the Classic range.
- Optional IR remote control receiver (not available with 10 or 20 button panels)
- Fully configurable functionality including room joining, sequencing and programmable logic functions.
- Keyswitch inputs
- Flash memory for future proof upgradeability
- Variable fade times programmable from 0.5 seconds to 60 minutes per button
- Fits standard 35mm deep UK back box

Architrave Control Panel Features

- Available in 5 and 7 illuminated push button configurations.
- Fully configurable functionality including room joining, sequencing and programmable logic functions.
- Keyswitch inputs
- Flash memory for future proof upgradeability
- Variable fade times programmable from 0.5 seconds to 60 minutes per button
- Comes with custom back box

Any button can be configured to one of the following;

- Scene selection
- 8 Sequences with up to 30 steps per sequence
- Scene raise / lower
- Channel raise / lower
- Toggle on / off, toggle raise / lower
- True off
- Open / close (for curtains & blinds)
- Raise / lower (motorised screens/blinds)
- Program (to record a scene locally)
- Start / pause / stop a sequence

iLight's Classic & Classic Plus control panels are supplied with a choice of Wandsworth Series 2 or Series 3 face plates in 15 different finishes with colour coordinated push button caps and integral blue LED indicators.

They are modular in design and are therefore completely flexible. Hardware provision allows any single gang panel to have up to 10 buttons (A double gang version is available for the Classic Series with up to 20 buttons). This means that if control requirements of an installation change during its lifetime, buttons may be easily added or removed. All that is required is a new faceplate to match the new button configuration and a reprogram of the control panel functionality.

The Classic Plus range also has the advantage of being 'Euro friendly' - due to their compact circular backbox design, they can fit directly into the majority of european round backboxes.

iLight offers a special order service for panel engraving and button legends. Bespoke panels are also available; please contact the iLight sales team for further information.

Note: The LED indicators can also be programmed to indicate any desired function or can be simply disabled. For example, when a sequence has been initiated the LED in the start sequence button may flash, stopping once the sequence has been completed.

Common Control Panel Configurations:

CSR023-SS
Two button panel on a Series 3 plate with Stainless steel finish. Buttons configured as scene on and off.

CRP073-PB
Seven button panel on a Series 3 plate with polished brass finish. Buttons configured as 5 scenes plus master raise and lower.

CSR053-PB
Five button panel on Series 3 plate with polished brass finish. Shown with special engraving on plate indicating breakfast, lunch, dinner and cleaning scenes plus true off.

CRP073LMS
7 Button double gang panel with key switch on a Series 3 plate with mirror stainless steel finish. Buttons configured as 5 scenes plus master raise and lower.

CRP072-AB
Seven button panel on a Series 2 plate with antique bronze finish. Buttons configured as 5 scenes with master raise and lower. Shown with special engraving on buttons.

CSR193IMS
Nineteen button double gang panel on a Series 3 plate with mirror stainless steel finish. Configured as 19 scenes with an IR receiver for use with hand held IR transmitters.

CEP072-SS
Ten button panel on a Series 3 plate with satin stainless steel finish.

CAP072-SS
Seven button screwless architrave panel with a satin stainless steel finish. Configured as 6 preset scenes with a true off at the bottom

The following options are available for all iCAN control panels;

- Hole punching or engraving of standard style plates or free issued non-Wandsworth flat plates
- Button cap engraving
- Integration with Audio Visual control panels
- Special size control panels with third party controls (e.g. heating controls)

Control Panel Finish Codes

Available for the Standard & Designer ranges. Architrave panels come in Satin Stainless Steel (Special finishes available on order)

PB Polished Brass
AB Antique Bronze
SS Satin Stainless Steel
MS Mirror Stainless Steel
SL Satin Silver
AR Antique Brass
AC Antique Copper
AS Antique Silver
SD Satin Desert Brass
PD Polished Desert Brass
DG Desert Gold
LB Light Bronze
MB Matt Black
W White
CW Cream White

LCD Colour Touchscreens

The LCD colour touchscreens offer the ultimate solution in flexible, intuitive and user friendly interfacing to the lighting control system and for controlling linked systems. They offer a manageable solution to control a wide range of functions in an individual location or as a central control for multiple areas.

The touchscreens provide a virtually limitless flexibility of system configuration and control. The units are completely software based and can be tailored to suit the needs of the user. Building plans, photos and 3D graphics can all be used to customise the display to meet individual tastes or themes.

The touchscreens can be used to provide control of other integrated systems such as audio visual, curtains, blinds heating and air conditioning.

Key features

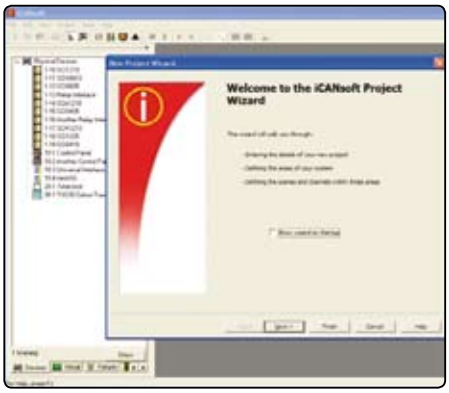
- TFT LCD screen with analogue touch overlay
- 1/4 VGA 320 x 240 pixel resolution
- 65000 Colours available
- Selection of Bezel finishes with screw less fixing
- Supplied with basic configuration installed
- Standard buttons and backgrounds supplied with configuration software
- All graphics and buttons can be customised
- Programmable backlight level to automatically reduce screen brightness to a non-intrusive level after time out period
- Password feature to allow different access levels
- Large memory allows for up to 250 pages depending on graphics used
- TSC30 - Fits standard UK double gang backbox
- TSC50 - Supplied with custom backbox
- Fully compatible with all other iLight products
- Including external DC power supply

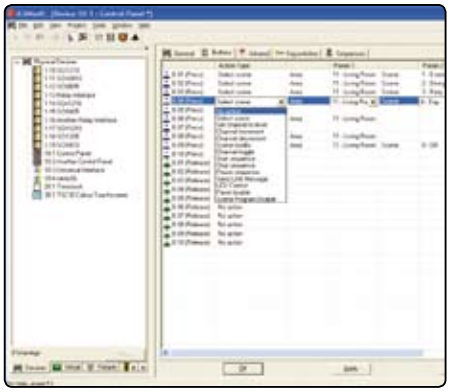
Functionality

- Available in 3.5” (TSC30) or 5.7” (TSC50) screen formats
- Can control an entire building or the adjacent area
- Full graphical “tell back” control of each and every circuit
- Full scene set programming functions with “PIN” security options which allows the user to adjust preset levels on lighting scenes
- Ability to input customers graphics and building plans to provide a bespoke interface
- Easy to use iCANsoft software for programming via built-in USB port
- Integral Infrared receiver (on 3.5” version only)
- White powdercoat or stainless steel finishes as standard

iCANsoft

iCANsoft is iLight's application software. It allows users to set up, configure, programme and monitor the iCAN system. It's intuitive, wizard based format has been especially designed to provide simple, easy to follow on screen help functions that guide systems integrators, electrical contractors and end users through the programming process.





There are 3 principle views within the software

- Programming
- Configuring
- Monitoring

Programming – Network Explorer

This view provides a physical view of the iCAN network and all devices connected to it. Intuitive wizards allow quick and easy set up of the iCAN system. Components can be added easily via through drop down menus or drag and drop. It is also possible to name and configure the devices.

Offline programming options allow engineers to set up the networks off site, greatly reducing onsite programming time. Once on site, the engineers can search for the network components and identify all devices in the installation. Engineers can then "talk" to the devices and make any changes if required.

iCANsoft also provides wizards to help create stunning bespoke touch screens in the minimum of time. Templates allow you to configure and programme the number and action of the buttons on the screen whilst an ever increasing number of design styles allow totally unique graphics to be created.

Configuring – Area Explorer

Area Explorer is the virtual view of the network. In this view it is possible to create up to 255 areas within a single network segment. In a hotel for example these areas might include the lobby, reception, ballroom, and the restaurant. Using iCANsoft you can name these areas logically so they are easy to identify and program.

Once areas have been named, devices can be easily assigned to them by dragging and dropping them into the relevant areas. Users can then use the programming wizards to select preset scenes, set levels and fade time, configure room joins and much more.

Monitoring - Network Monitor

iCANsoft's monitoring options are an invaluable tool for larger iCAN systems. They provide maintenance staff and commissioning engineers with a comprehensive diagnostics package for managing the system.

Network monitor can be used to identify devices on the network, log and record network traffic, identifying system usage, help monitor lamp life and identify network faults.

Interfaces

iLight manufactures a range of integration tools to assist with the construction and configuration of the iCAN network and for interfacing with external system components.

EG-1

Ethernet Gateway

The Ethernet Gateway to iCAN network provides connection between an iCAN network and an Ethernet LAN. This allows a user to control and configure the iLight system using iCANsoft on a LAN network PC rather than by connecting directly into the network.

Where a wireless LAN is in place (or by connecting a wireless router into the EG-1) the user can access the network with a Wi-Fi enabled PC, giving freedom of movement during commissioning.

The Ethernet Gateway also facilitates connection to the internet when used with iCANsoft, a firewall, ISP and a Ethernet hub, this then enables remote connection for controlling, programming and obtaining diagnostics of the lighting control system. When appropriately configured, the device can be used as a multiway router to extend the iCAN network.

- Configurable IP address
- Multiway Router setting
- Facilitates internet and Wi-Fi LAN connection into the iCAN network
- Dimensions: 240 x 220 x 80mm, 3 Kg

SI-1

System Integrator Node

The System Integrator Node allows control of a wide range of third party equipment through the iLight user interfaces including audio systems, TVs, projectors, blinds, curtains, heating and HVAC systems, security & fire alarms, surveillance and CCTV.

The SI-1 converts iLight protocol into third party device compatible RS232 protocol enabling a sequence of commands to start from the touch of a button. For example in a home cinema - lights dim, blinds close, audio system turns on, screen opens, projector turns on and the DVD starts.

- RS232 port via 9 pin female D type connection at 9600 baud
- 1 x iCAN Bus data connection via screw terminals
- Status LEDs
- 20 programmable serial commands - triggered from iCAN network
- 8 sequences each with a maximum of 30 serial commands with up to 8 characters each
- Dimensions: 23 x 42 x 96mm

RI

Relay Interface

The Relay Interface provides a versatile interface between iCAN and other control systems. The unit is fully configurable and may be programmed to perform many functions including light level sensors, curtain or blind control, AV and presentation equipment or contactors for heavier power applications.

- 8 inputs - programmable as analogue or digital
- Digital inputs used for volt free switches or motion detectors
- Analogue inputs to any 0-10V signal
- 8 switch outputs for LED indication
- 8 sequences with up to 30 steps per sequence
- Audio Visual RS485 port
- Dimensions: 240 x 220 x 80mm, 3 Kg

SCD24

DMX Controller

The SCD24 is a 24 channel DMX source controller. It is designed to provide scene set dimming for any DMX512 controlled load via iCAN.

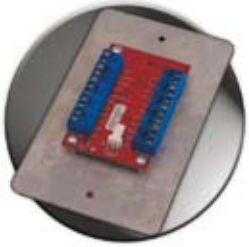
- DMX source controller
- 24 channels.
- 128 scene memory
- iCAN™ network inputs
- Dimensions: 240 x 220 x 80mm, 3 Kg

SCBN

iCAN Bridge

- iCAN to iCAN bridge
- Configurable as a floor controller for multi-floor applications
- Unit programmable with scripting software (programmable logic control)
- Message filtering and isolation for large networks
- Dimensions: 240 x 220 x 80mm, 3 Kg

UIG



Universal Interface

The UIG allows other items such as partition switches or PE cells to provide inputs to the iCAN network. When configured for a room join, moving the partition will open or close a magnetic proximity switch contact (not included) and automatically re-program the function of the control panels within the room.

- 4 0-10V analogue inputs for volt free switches or motion detectors
- 4 volt free contact closure inputs
- 4 switch outputs for LED indication
- 1 dedicated photocell input
- 8 sequences with up to 30 steps per sequence
- Fits standard UK style double gang 35mm deep back box

UIM

Mini UIG

The Mini UIG also allows other items to provide inputs to the iCAN network and is often used with faders and custom switches.

- 6 inputs which each can be individually configured as 0-10V analogue, digital or photoelectric cell inputs
- 8 sequences with up to 30 steps per sequence
- Only 42mm Ø so easily fits in European and UK junction / back boxes

Frog Box

Frog Box

The Frog Box is a 19" rack mountable unit designed to play back dynamic DMX controlled effects such as colour changing LEDS or moving lighting fixtures.

- 19" rack mounted DMX replay unit
- 5 memory sequences, each memory sequence can contain up to 990 memories
- 2 DMX universes (1024 channels), MIDI, SMPTE ports, Ethernet, DMX in, keyboard, video and mouse connections
- iCANnet™ network port
- Dimensions: 88 x 483 x 350mm, 4.5 Kg

Accessories

In addition to our interfacing tools iLight also provide a number of accessories to further enhance the capability and usability of the iCAN control system.

TC-1

Astronomical Time clock

The TC-1 is a surface mounting electronic time clock with astronomical facility and LCD display. It connects to iCAN network and is fully programmable using either the front panel keyboard or iCANsoft™ PC based softeware for daily or date specific events.

- 255 events
- 8 sequences with up to 30 steps per sequence
- Scene selection and programming
- Channel level raise and lower

IR Receivers and Transmitters

iLight offers an ergonomic IR handset for selecting scenes and has software specially written for use with a Philips Pronto or Marantz Universal Remote controls and the Palm Pilot.

HH07IR

iLight hand held remote

- 7 button IR transmitter
- Four scenes, off, raise and lower

iCANPronto

iCAN Pronto Software

iCANpronto is a unique program designed for use with a Philips Pronto or Marantz Universal Remote controls. The program allows control and scene programming of each area of an iCAN system via the control panel's infrared receiver.

iCANPalm

Pocket iCANsoft

Pocket iCANsoft can be loaded onto a PDA (Pocket PC) to provide wireless control and programming of the lighting scenes

Presence Detectors

These units allow the iCAN system functions to be triggered automatically. They either detect the infrared radiation given off when somebody enters an area or detect ambient lighting levels and send a signal to the iCAN interface unit (UIG or UIM).

PI1C

Ceiling Mounted Motion Detector

- Passive infrared detector used to detect presence of people in an area
- Designed to be recessed into a ceiling tile and can be installed individually in a small room or in groups to cover a larger area
- Mounting hole cut out Ø 38m

PE1C

Ceiling Mounted Photocell

- Photocell used to determine light level in an area
- Designed to be recessed into a ceiling tile and used to govern daylight linking light level
- Mounting hole cut out Ø 38mm

PE1EXT

External Photocell

- Mounted in IP65 housing

Software Accessories

This unit allows engineers to connect their PC to the iCAN system and configure the network using iCANsoft.

SW2

PC Node

- PC Node - Serial Port to iCAN network interface
- Includes a copy of iCANsoft on CD to allow the iCAN network to be configured from a PC

DIN Rail Range

An alternative to the iCAN modular rack system is the iCANdin component system. The iCANdin range utilises the same connectivity as our iCAN products but is designed specifically for the systems integration market. All of the key components are DIN rail mounting enabling installers or integrators to construct their own systems to suit particular projects.

At the heart of the iCANdin system is the Master Processor Module (MPM). Each MPM can control 24 channels of dimming or switching via the slave power devices. Up to 256 MPM units can be connected to a single iCAN network, making this an extraordinarily scalable and powerful system.

iCANdin devices have the same processing capability as the iCAN source controllers and feature;

- 128 scene memory
- Fade times from 0.1 seconds to 60 minutes
- Additional RS485 connection
- An auxiliary connection for the selection of any scene (e.g an emergency lighting state)
- LED status indicators
- A multi-function switch for scene selection and by-pass

The MPM unit is complemented by a range of Source Control (power) Modules (SCM). These include a choice of 4-circuit leading edge (SCMI) and adaptive (SCMA) dimmers, HF ballast controllers for 1-10 volt/DSI (SCMH) and DALI (SCMD) plus 8 channel power relay unit (SCMS).

For those wishing to combine architectural dimming with lighting management systems, there is also a 64 channel DALI network module (see LCM section for more details).

All of the DIN rail devices can be used with the full range of user interfaces and peripherals that are available with the iCAN system detailed earlier in this brochure.

Product	No. of circuits	Rating per circuit	Leading Edge Inductive Loads	Trailing Edge Inductive Loads	Switched Inductive Loads	Suitable for1->10V & DSI Ballasts	Suitable for DALI Ballasts	Dimensions (mm)	Weight (kg)
Source Controllers									
SCMI0402	4	500W	Y	N	N	N	N	160x90x58	1
SCMA0402	4	575W	N	Y	N	N	N	160x90x58	1
SCMH0410	4 + 4	10A	N	N	Y	Y	N	160x90x58	1
SCMS0810	8	10A	N	N	Y	N	N	160x90x58	1
SCMD6400	64 + 1	N/A	N	N	Y (1)	N	Y	160x90x58	1
Master Processing Modules									
MPM2400	24	N/A	N/A	N/A	N/A	N/A	N/A	160x90x58	1

Lighting Management Systems

Lighting Management control systems are focused on the control of lighting for energy saving, convenience and to manage the need for change and flexibility of use in the commercial environment. They are an important tool for the planned maintenance of artificial lighting.

As with the iCAN system, the LCM solutions from iLight are built on the concept of product building blocks. These can be put together in any order to build any scale of system, with varying decrees of functionality.

An LCM system consists of three elements;

- User Interfaces
- Source controllers and their associated peripherals
- Programming and monitoring software

The first and last items are the same products used in the iCAN system. The LCM source controllers are as follows:-

SCH1000T

This unit has 10 circuits of power switching (via integral relays) and is suitable for HF fluorescent ballasts requiring 1-10 volt or DSI control. In addition to the iCANnet connectivity, it also has inputs for retractive switches, PIR and PE cells.

SCH1200T

12 channel 1-10V/DSI/DALI ballast controller. Control only, no power switching.

SCD3200T

An addressable DALI controller capable of controlling up to 32 DALI individually addressable ballasts. The unit is packaged with 10 outputs each having a 6 pole Wieland connector allowing traditional LCM plug-in wiring to be used. As DALI ballasts have internal switching capability the SCD3200T outputs are not individually switched, although one of the Wieland contacts has a switched live common to all outputs. The unit also includes switch and sensor inputs (as for the SCMD6400T).

SCMD6400T

A DIN rail mounting DALI controller capable of controlling up to 64 individually addressable DALI ballasts. The unit has screw terminal outputs for the DALI signal and also for a single relay-switched 16A power circuit that can be used for power supply to the lamps. The unit also has 4 switch and 3 sensor inputs. The three sensor inputs are each capable of connecting a combined motion and PE sensor or, with appropriate adaptor, 2 motion sensor circuits (each capable of having several sensors in parallel). The 4 switch inputs allow connection of two retractive switches or can be configured for additional motion sensor inputs.

Product	No. of circuits	Rating per circuit (Amps)	Supply current (Amps)	Suitable for 3 Phase	Dimensions (mm)	Weight (kg)
Lighting Management						
SCH1000T*	10	4	16	N	402x252x80	5
SCH1200T	12	-	-	N	240x220x80	3
SCD3200T*	32	4	16	N	400x220x155	5
SCMD6400T (inc.16 Amp switched supply)	64	-	-	N	160x90x58	1
	* With the exception of the 16 Amp supply all connections are via plug and socket.					

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