A reference guide for all DMX components and basic installations

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LIGHTDIAL | DMX CONTROL PAD

The feature rich lighting controller has been designed to provide a control solution for the most demanding of projects, while still maintaining an easy to use panel of touch sensitive buttons. The controller integrates a graphical color screen allowing scene photos to be displayed. Easily view the selected zone, scene name and design without the need to navigate through complex menus. Change the speed, color and dimmer using the circular palette. The lighting levels, color and effects can be programmed from a PC, Mac, Android, iPad or iPhone using the included software.

PHAROS | CONTROL SYSTEM

The Pharos Controls system is a modular, DMX setup that can be networked for ease of access. All components can be powered via POE using a Pharos supplied POE switch. The LPC comes in a variety of universe sizes to fit any project. Pharos also provides optional remote devices to control the system from various access points. If the LPC is networked the controller can be accessed from anywhere in the world. More information can be found here: www.pharoslighting.com

PHAROS ENCRYPTION KIT

PHAROS CONTROL EXAMPLES

(LIGHT PLAYBACK CONTROLLER)
An all-in-one control solution for themed entertainment and LED lighting installations. It features individually controllable and independently running timelines and scenes.

(TOUCH PANEL CONTROLLER)
An elegant lighting controller with a customisable, 4.3” capacitive touch screen, 512 channels of eDMX output and vast interfacing potential, all over a single Power-over-Ethernet (PoE) network connection.

FOR MORE INFORMATION PLEASE SEE INSTALLATION INSTRUCTIONS
The DMX/RDM distribution kit consists of three outputs. Each output is limited to one run per output, up to 32 fixtures max. Three terminators are included for end of line termination.

**CDS-RDM ENCLOSURE KIT**

**DMX/RDM DISTRIBUTION BOARD LAYOUT**

- **DATA+**
- **DATA-**
- **DC+**
- **DC-**
- **DATA+**
- **DATA-**
- **OUTPUT**
- **INPUT**
- **FROM CONTROLLER OR OTHER CDS-RDM**
- **TO LUMINAIRES 32 / OUTPUT MAXIMUM**
- **TO NEXT CDS-RDM IF APPLICABLE**

**CDS-RDM | DMX DISTRIBUTION KIT - IP67**

**GRAY ABS | -20°C TO 60°C**

For more information please see installation instructions.
LPT | LED PROGRAMMING TOOL

A USB-DMX programming tool supplied to configure, troubleshoot, and validate a fixture, set of fixtures, or full installation. There are several options supplied to help an installer fully configure an installation from start to finish via a correctly wired RS-422/RS485 DMX/RDM network, leaving a requirement for a standard DMX controller at the end of the installation for show programming and control validation. Diagnostic features are included in the light fixtures and LightSN2 to help troubleshoot any wiring difficulties or issues required. Kit contains the LED programming tool plus a 4gb flash drive loaded with LIGHTSN2 software, the programming manual, and LED barcodes needed for addressing the fixtures.
DMX SYSTEM RESOLUTION | DMXSY

RGB, RGBW + RGBA COLOR MIXING OPTION

DMX FIXTURE RESOLUTION | DMXF

EACH FIXTURE IS ADDRESSED INDEPENDENTLY
DMX ADDRESSES:

RGB COLOR MIXING OPTION

RGBW + RGBA COLOR MIXING OPTIONS

DMX FOOT BY FOOT RESOLUTION | DMXF

EACH 1’ SECTION IS ADDRESSED INDEPENDENTLY
DMX ADDRESSES:

RGB COLOR MIXING OPTION

RGBW + RGBA COLOR MIXING OPTIONS
FOR MORE INFORMATION PLEASE SEE INSTALLATION INSTRUCTIONS
**1 CONTROLLER**

Any DMX512 source can be used to activate the wireless set up, see page 1 for options provided from Insight.

**2 TRANSMITTER (WTRE)**

A wireless transmitter inside a IP67 rated Hoffman enclosure intended to be installed in the line of sight or a repeater or a receiver.

Requires 120/277 VAC power input and Belden 9841 DMX cable input from a DMX source.

All connections and seals by others. DMX is hard wired from the DMX source to the Hoffman enclosure.

**3 WIRELESS IN FIXTURE (WRCN)**

A wireless DMX receiver installed inside a fixture. Unit comes with 12” of cable to be mounted to the interior wall of a luminare. Screw on antenna is installed on the exterior of the fixture.

**4 RECEIVER (WRCE)**

A wireless receiver Hoffman enclosure intended to be installed before a run of fixtures.

Requires 120/277 vac input and Belden 9841 DMX cable output to fixture run.

All connections and seals by others. DMX is hard wired from the Hoffman enclosure to all necessary luminaire j-box’s.