

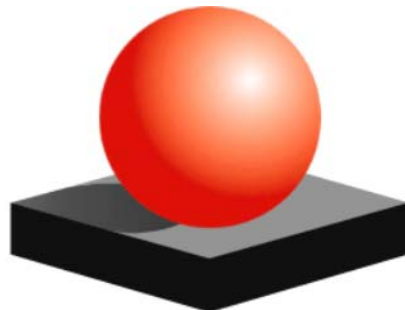


ADDICT[®] - sys v1.06 WIRELESS

User Manual

Issue: 1 March 2009

Advanced DALI & DMX512 - Installation & Configuration Tool



CREATIVE LIGHTING

www.creativelighting.com.au

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Introduction

Congratulations on your purchase of the Control Freak ADDICT® optional Wireless kit. This kit requires the user to have a complete ADDICT-sys kit. Note that ADDICT-eco models do not support wireless options.

This is the user manual for the wireless ADDICT®. It should be read in conjunction with the ADDICT® User Manual.

The wireless kit comprises:

- 2 Digi Radio Modems Model Xtend-Pkg
Frequency Hopping Spread Spectrum
900Mhz Radio Modems



*Wireless Xtream Radio modems
(configured by Creative Lighting to suit the
ADDICT & Creative Lighting's DIDIO SCI)*



*DIDIO – a convenient din mount
combination of integral modules of
DALI power supply 21vdc 245mA, SCI
Serial Communications Interface, and
DALI Scene Controller with up to 12
i/o lines*



*DALI Systems Integrator backpack, shown
with radio modems in the side pockets.
Backpack has a retractable handle and
wheels for trolley use.*

- A Systems Integrator trolley backpack
- A sealed lead acid 12v 7ah battery
- Y splitter 12v lead to supply power to both the
ADDICT and a radio modem
- 2 Plugpacks for the radio modems

- A DIDIO 7017 SCI & PS
- A 9 pin serial lead for connection between one modem and a DIDIO SCI
- A 240-24VDC 620Ma slimline switch mode power supply

Working wirelessly

It is important to prove the DALI line before working wirelessly, by using the ADDICT directly connected to the DALI line (also called a loop or bus) to randomly address the devices and correct any problems with wiring or devices before going wireless - refer to "BIT" http://www.creativelighting.com.au/index.php?option=com_content&task=view&id=28&Itemid=68#BIT%201)

Known Bugs

There are no other known bugs, so if you find one please let us know!

SAFETY FIRST

Our first consideration is always safety. Under any circumstances:

- ☠ DO NOT open any part of the wireless kit® - Qualified & authorised personnel only.
- ☠ DO NOT place or install goods in any way that could prove hazardous.
- ☠ DO NOT attempt to change any part of the wiring or connections provided
- ☠ DO NOT connect any part of the kit to mains supply except the 240v rated power supplies
- ☠ DO NOT spray or immerse any part of the wireless kit with or in liquid.

Check Before Starting

To ensure that conditions of the Warranty are not breached, please peruse the following sections on Condition of Goods and System Requirements.

Condition of Goods

GOODS ARE THOROUGHLY CHECKED AND PASS RIGOROUS TESTING BEFORE SHIPMENT. IF FOR ANY REASON THESE GOODS ARE DAMAGED OR PARTS ARE MISSING IN TRANSIT:

- The damage or loss should be noted by the Carrier's agent on all copies of the consignment document - or else the goods should be refused.
- It is possible for damage to go undetected until close inspection after unpacking. If the carrier is not prepared to wait for such inspection, clearly mark the carrier's consignment document: - "Subject to Check" before signing. In the event of loss or damage, notify the carrier and the company from where the goods were purchased, immediately and in writing.

RETURNS ARE NOT ACCEPTED FOR ANY REASON unless written permission is granted from Creative Lighting.

Guarantee

Congratulations on acquiring this genuine Control Freak ADDICT® Wireless Kit. The components of the kit are guaranteed to the purchaser for a period of

- The trolley backpack and sealed lead acid battery: 3 months from the date of purchase from us
- The wireless kit excluding the backpack: 12 months from the date of purchase from us

Under normal use and for applications for which this product was designed, the ADDICT® and all component electronics are warranted to be free of defects in material and workmanship.

In the unlikely event that any part of the kit proves to be defective, we will decide to either repair or replace the defective components. Before that can happen, the faulty goods must first be returned to us at the purchaser's cost. If we determine that the goods are defective, we will not only repair or replace the defective components at no cost to the purchaser; we will also pay the cost to return them to the purchaser by our standard freight method. Any cost to reinstall the goods is to be borne by the purchaser. This Guarantee specifically excludes faults which arise as a result of alteration, tampering, misuse, abuse, accident, vandalism, or negligence. In no event shall the manufacturer be liable for consequential damages.

All other warranties inclusive of any warranties of merchantability or fitness for any particular purpose whether expressed or implied are hereby expressly negated to the fullest extent permissible by law. This Guarantee constitutes the sole and exclusive remedy to the purchaser for proven defects.

Bitswitches

The bitswitch array on the side of the radio modem - near the antenna – is preset by Creative Lighting and should always be set to 1 and 5 on, 2,3 and 4 off

Firmware

The radio modems have been set up by Creative Lighting and thoroughly tested prior to dispatch. This set up involves firmware settings in the radio modems and these settings should not be changed except by Creative Lighting. The firmware of the modems is ready to work as soon as it is powered.

Getting Started

The wireless kit is ready to work out of the box. Below are the easy steps to take *for each DALI Line* with the steps below to be repeated on each separate DALI line

To work wirelessly:

1. Before starting make sure that you have charged the sealed lead acid battery with the supplied charger.
2. Only use the wireless kit once the DALI line has been proven out (refer to Basic Installation Testing or 'BIT' on Creative's website http://www.creativelighting.com.au/index.php?option=com_content&task=view&id=28&Itemid=68#BIT%201).

If you have proven out the DALI lines and devices, you are ready to work wirelessly.

3. Disconnect the DALI line from the ADDICT lead and turn the ADDICT off
4. Connect DALI line wires to the DALI pins on the DIDIO and power the DIDIO with the supplied 240-24v power supply.
5. Turn the ADDICT back on and navigate to the ADDICT Options menu and select SCI Tx mode. This will cause the bus status led to flash 1-2 pause 1-2 pause continuously.
6. Plug the supplied Null Modem dongle to one of the radio modems.
7. Power the radio modem (the one which you have plugged the null modem into) by using the supplied 240-12v power supplies. – do NOT use the 240-24v power supply designed for the DIDIO only.
8. Ensure both radio modems have their antennae fitted
9. Connect the DIDIO to the radio modem (the one with the null modem) by using the supplied serial lead (9pin).
10. Power the other radio modem with the supplied 12v sealed lead acid battery (which can also be used to simultaneously power the ADDICT with the supplied splitter lead).
11. Connect the ADDICT to the radio modem (the one that doesn't have a null modem) with the ADDICT's rj-serial lead
12. Use the ADDICT's Min/Max feature to check DALI devices on the line respond to broadcast commands. The DALI lights should be min/maxing and the DIDIOs Rs232 status led should be flashing with the data traffic
13. You are now ready to walk from the switchboard to the lights and start using the ADDICTs remapping function. Remap each device to its logical address. The logical address is usually marked on the lighting plan, but if it isn't, you should work out a logical arrangement for the addresses, record the addresses onto the lighting plan and then remap the addresses to match your lighting plan.
14. After you have remapped wirelessly, you can move onto groups, scenes, device settings and the rest.

Other products

Creative Lighting also make SLAMMO LED dimmers for DALI and DMX512, DIDIO DALI serial Communication Interfaces, DIDIO DALI bus power supplies, DIDIO Scene Controllers, DIDIO RGB and Sequence Controllers, DIDIO DMX-DALI interfaces, LIDA DALI Contactor Drivers and HID controllers, and LIDA-F DALI fan controllers (due for release 2nd quarter 2009).