Testing the units

The red light on the unit indicates power to the unit is OK. The green light indicates that DMX data is being received OK.

If you are using the LMC-08 controller, the green light should be on.

Specifications

Control protocol: DMX512 (4 channels occupied)
DC output to LMC-08: 12V unregulated

Connector pinouts

4 way RJ11 connector for LMC08 input

Pin 1 GND
Pin 2 DMX+
Pin 3 DMX-
Pin 4 +12V (unreg)

Pin 1 is the pin nearest the LEDs

6 way RJ11 connector to LED heads

Pin 1 Common
Pin 2 Signal 1
Pin 3 Signal 2
Pin 4 Signal 3
Pin 5 Signal 4
Pin 6 Common

AVR

4 way LED driver LMD-04

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Connecting up

First install the Ledion lighting units in the desired location, then connect them to the LMD-04 driver units using the 6-way flat cables.

Each output of the LMD-04 can control the following:

Two standard 300x300 panels
One "hi-lux" 300x300 panel
One standard 600x600 dancefloor panel
Four 24-LED round downlighters
Two 48-LED round downlighters
One 96-LED round downlighter

Do not exceed this loading as the LMD-04 unit may be damaged.

Install a mains power feed to the LMD-04 unit.

If your installation includes several LMD-04 units, you can control them all together by linking them using 3-pin XLR cables. The cables should be plug-to-socket, wired straight through.

System controllers

The system may be controlled using a LMC-08 programmable controller, or any other lighting controller using the DMX control standard. It can also run stand-alone with no controller.
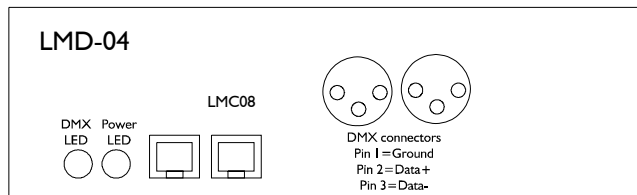
If you use a LMC-08 control unit, connect it to the first LMD-04 unit in the line (the one with a free DMX input plug) using a 4-way cable into the socket farthest from the LEDs.

The LMC-08 takes power from the driver box and does not need a power supply.

If you are using a standard DMX controller, connect it to the first CMD-16 unit in the line (the one with a free DMX input plug). The wiring of the DMX signal should be ground on pin 1, "Hot" signal on pin 2, "Cold" signal on pin 3.

Setting dip switches

The LMD-04 unit has dip switches which allow you to set the DMX start address of the unit. The start address may be set at any channel from 1 to 511.

In addition you can set **stand alone modes** using the dip switches:

Switch 8, 9 and 10 on = All White output (all on)

Switch 9 and 10 on = Self test mode

Switch 10 on, plus one of switches 1-8 = continuous scroll 1=fastest, 8=slowest

You can lock the current colour by turning off switches 1-8 (i.e. 10 only on). The output will lock at the current colour. The box will remember this colour and the next time it is turned on, will come back to that colour.

You must set the switches with the power off. The LMD-04 will not recognise any changes to the switches when the power is on (except colour lock).

DMX control

The unit recognises the following DMX commands:

Channel control

1	Output 1 Red		9	Output 3 Red
2	Output 1 Green		10	Output 3 Green
3	Output 1 Blue		11	Output 3 Blue
4	Output 1 Dimmer		12	Output 3 Dimmer
5	Output 2 Red		13	Output 4 Red
6	Output 2 Green		14	Output 4 Green
7	Output 2 Blue		15	Output 4 Blue
8	Output 2 Dimmer		16	Output 4 Dimmer