

## Connector pinouts

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### 6 way RJ11 connector

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

### 8 way RJ11 connector (fitted on some drivers)

Pin 1 Common  
Pin 2 Signal 1  
Pin 3 Signal 2  
Pin 4 Signal 3  
Pin 5 Signal 4  
Pin 6 Common  
Pin 7 Not connected  
Pin 8 Not connected

## Connecting up

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First install the Ledion lighting units in the desired location, then connect them to the LMD driver units using the 6-way flat cables. Depending on the driver, you may be able to connect more than one lighting unit to a driver output using the “loop through” connector on the panel.

Ensure you do not overload the LMD driver units.

Each output of the LMD-04 or LMD-16 can control the following:

- Two 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

Each output of the LMD-08 can control the following:

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

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

Install a mains power feed to the LMD unit.

If your installation includes several LMD 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

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The system may be controlled using a LMC-08 programmable controller, or any other lighting controller using the DMX control standard. The driver boxes can also run stand-alone with no controller.

## Cautions

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Do not allow moisture to penetrate the LED panels as this will cause malfunction. If panels are installed in a location which may be wet (e.g. bar fronts or tops), take precautions to ensure any spillages will not reach the LED panels.

Only use LEDION connection cables supplied by AVR. If connection cables are wrongly wired or shorted, the driver units may be damaged.