

- Ultra high efficiency >85%
- 8 & 16-bit channel resolution to create 4 billion colours
- Master dim facility for precise colour control
- Four channels independently programmable from 100-1000mA Maximum
- 16x2 LCD backlit display and user interface
- Full DMX-512A & RDM support



Product Overview

The market leading iDrive[®] LED driver range now offers the iDrive[®] QUAD. The iDrive[®] range is optimised for use with all good quality high powered LED products such as Luxeon, Cree, Seoul, Nichia and Osram.

The patented iDrive[®] QUAD is one of the first high powered LED drivers which can drive 4 independent LED channels between 100mA and 1000mA and up to 48V DC, approved to CE 61347-2-13. The iDrive[®] QUAD has been designed to make installation simple and to save time by using standard power and DMX connectors with a unique user interface and backlit LCD display menu system to control all functions. Remote management including setups and LED fixture feedback is done via RDM to enable rapid project installation and monitoring.

The patented thermal control of attached LED boards, using IST's unique ColourCool[™] technology, optimises your LED installation for any environment. The iDrive[®] QUAD can be controlled by DMX512, RDM or use one of the hundreds of pre-programmed settings to provide independent scenes, colour combinations and effects.

Incorporating UltraDIM[™] technology the iDrive[®] QUAD can provide 8-16-bit current resolution which can create up to 4billion colour combinations. Advanced features include:

- Remote software updates
- Variable Voltage Technology
- Dynamic Power Control
- Low supply current and long life solid state capacitors (>200,000 Hrs)



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Electrical Specifications

Input

Input Voltage Range: 100 - 240V AC
 Input Frequency: 50 - 60 Hz
 Consumption: 135 Watts Max
 Power Factor: >0.92 at full load @ 240VAC
 Efficiency: >85% at full load
 Connection: Mains AC loop-in loop-out IEC connector
 Insulation Class: 1
 Standby mode for reduced carbon footprint
 Standby Power: down to 1W
 Inrush current: +136.6A / -119.5A

Output

Output Power: 0-48 Watts per channel Max
 Output Current: 100 to 1000mA per channel
 Voltage: <1 - 48V DC per channel
 LED Connection: 10 - Pin terminal connector or molex 3.0
 Current Resolution: 8-bit & Master Dim
 Channel bonding: Common Anode compatible (to 4A max)

Control Input

Dimming control: DMX-512A or RDM as standard
 Connection: RJ45, loop-in, loop-out
 Dimming Range: 0 - 100%
 DMX Address Range: 001 - 512 via Menu system
 Programs: See user manual for all pre-sets
 RDM: Full control over functions and sensors.

Mechanical

Mounting: Four 4.5mm holes for fixing
 Construction: Steel casing for improved thermal dissipation

Environmental

Operating Ambient Temperature: -10°C to +40°C
 Storage Ambient Temperature: -20°C to +70°C
 Case Temperature: +70°C
 Relative Humidity: 80%
 Lifetime (failure after 50,000 hours): 5%
 Lifetime (failures after 50,000 hours): 5%

Dimensions:

210 x 95 x 46 mm

Weight:

1042 grams

