

iDRIVE®

CENTRALISE • OPTIMISE • ECONOMISE

Quad

- 4 channel constant current DMX/RDM led driver
- Ideal for RGB & RGBW applications up to 100W
- Ultra high efficiency >85%
- 8 & 16-bit channel resolution & 4 billion colours
- Precise colour control
- Channels programmable from 100-1000mA max.
- 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, which is optimised for use with all good quality, high powered LED luminaires and modules. The Quad is perfect for RGB and RGBW applications up to 100W. (For white light applications, IST would recommend the iDrive® Force 12 & White Knight 36).

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)

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

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

100W 4 CHANNEL DMX/RDM LED DRIVER
Ideal for RGB & RGBW applications up to 100W



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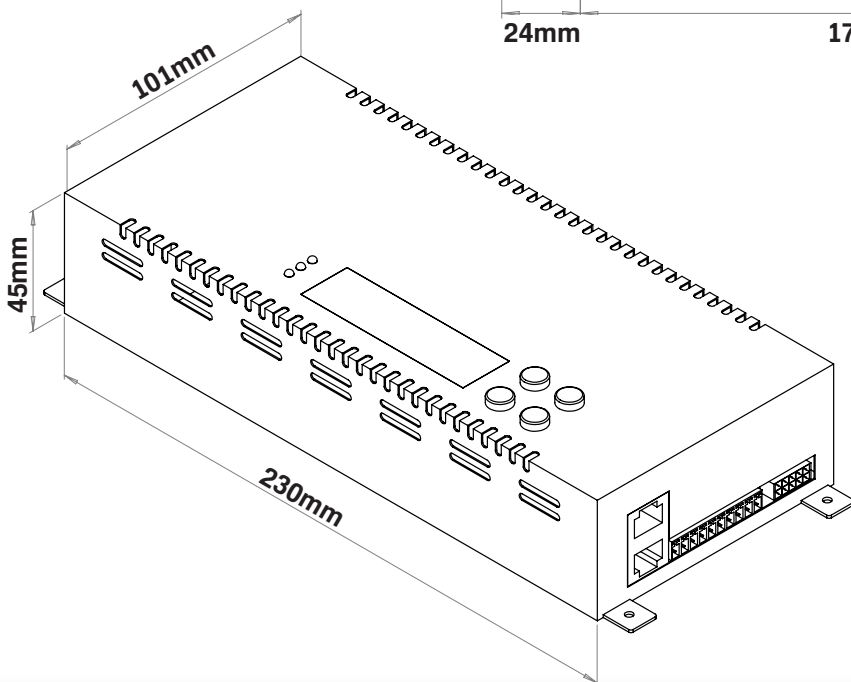
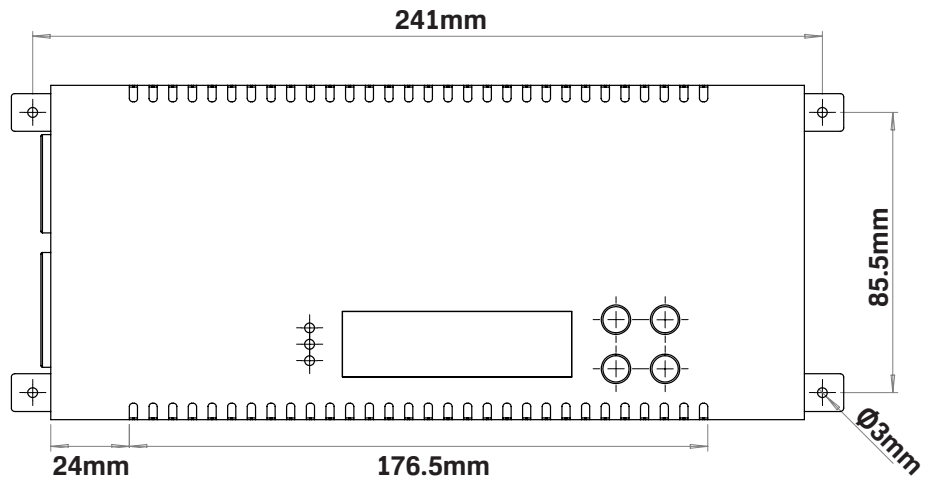
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Quad 120

Typical Applications

- Office
- Commercial
- Retail
- Architectural effect
- Architectural white light
- High end domestic
- Outdoor
- TV + Film
- Theatre
- Events / AV
- Creative installations
- Signage

Dimensions



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