Gantom
LIGHTING & CONTROLS

RJ45 Power/DMX Distribution Box
Indoor Plug-and-Play Power and DMX Distribution System

Date:

Project:

Comments:

RJ45 Power/DMX Distribution Box

Optional Components

RJ45 Power/DMX Distribution Box

Product Model

GC005 - RJ45 Power/DMX Distribution Box – Indoor Plug & Play

Features

- Combines DMX signal and low-voltage power over standard CAT cable
- Supports CAT5e or higher cables for flexible installation
- (16) RJ45 output ports for fixture power/data distribution
- (1) XLR5 male DMX input and (1) XLR5 female DMX thru output
- 12–24 V DC low-voltage input via Phoenix-style terminal block
- On/off power switch
- Fully connectorized "plug-and-play" design
- Durable, vented metal housing
- Designed exclusively for Gantom's RJ45-based fixtures and ecosystem

Description

The GC005 is a 16-port indoor distribution box that provides low-voltage power and DMX control through standard RJ45 connectors, enabling installers to use readily available CAT5e or higher cables for connecting Gantom fixtures. This offers a flexible and cost-effective cabling option while maintaining full compatibility with Gantom's RJ45-based ecosystem.

This compact unit consolidates DMX signal and DC power distribution into a single, easy-to-deploy solution designed for Gantom's latest generation of RJ45-compatible fixtures and accessories. The GC005 is equipped with 5-pin XLR DMX input and thru output, a Phoenix-style terminal block for 12–24 V DC input, and a power switch for convenient control. Each of the 16 RJ45 ports delivers both power and data to connected fixtures.

For optimal performance, Gantom recommends pairing the GC005 with our PowerPak 5000, PowerPak Pro, or PowerPak Max power supplies.

Optional Components

Accessories

CAT01	RJ45 CAT Coupler - Extender Connector - Indoor
CAT02	IP68 RJ45 CAT Coupler - Extender Connector - Outdoor
CAT03	RJ45 to Male/Female 5 pin XLR - Indoor

Distributor:

Techni-Lux

Phone: 407-857-8770
Fax: 407-857-8771
Email: sales@techni-lux.com
www.techni-lux.com

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Technical Specifications

Physical

Material	Metal enclosure
Dimension	150 mm (L) x 148 mm (W) x 50 mm (H)
Enclosure Rating	Dry location use only

Electrical

Voltage	12-24V DC
Current	8 A max
Connector	3-pin Phoenix terminal block
Max Load per Port	10 W
Max Total Load	160 W

Thermal

Operating temperature	−30ºC to +55ºC
Storage Temperature / Humidity	−40ºC to +80ºC / 10−99% RH

DMX

DMX Input	5-pin XLR male
DMX Thru Output	5-pin XLR female
Output Connectors	16 × RJ45 ports

Power Supply

Recommended Power Supply	PowerPak 5000 / Pro / Max

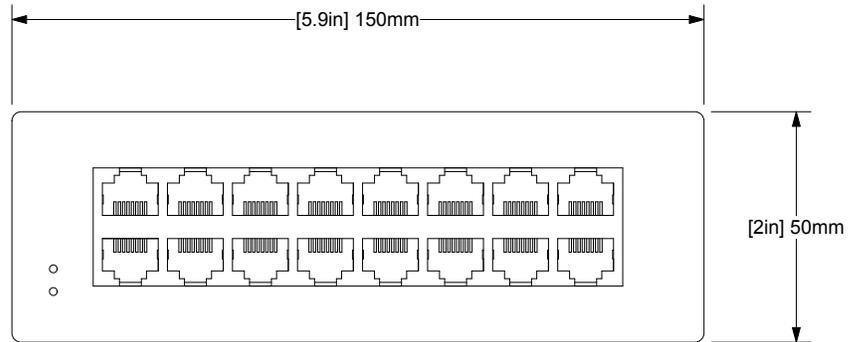### Warranty

Fixture	2 years

Warning

- **This system is designed exclusively for Gantom's proprietary Power and DMX-over-CAT cable ecosystem.**
- Do **not** connect the RJ45 outputs to any network device (e.g., Ethernet switch, router, or computer), as this may cause permanent damage.
- Do **not hot-plug** cables while powered.
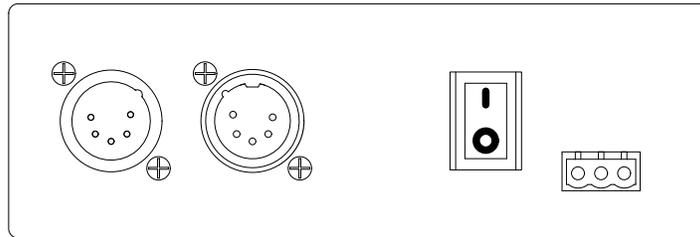- If uncertain about proper connections, contact support@gantom.com before installation.

- **All RJ45 terminations must follow the T568-B standard to ensure proper operation. Using other wiring configurations can cause malfunction or damage to connected fixtures.**
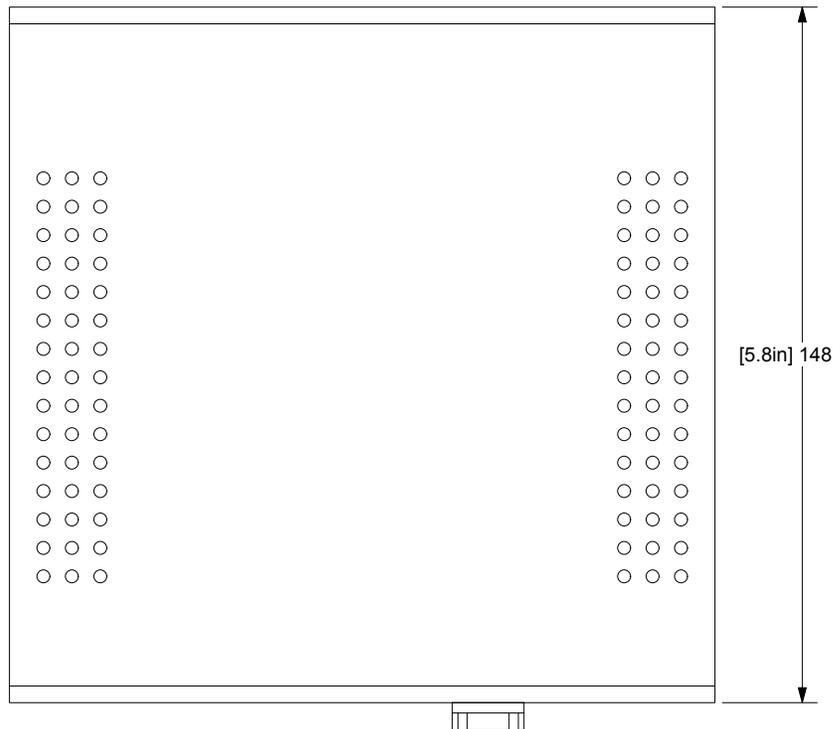
Fixture does not include power supply, extension cables, or any other system component.

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[5.9in] 150mm

[2in] 50mm

FRONT VIEW

BACK VIEW

[5.8in] 148

TOP VIEW