PMA-2000
Power Management Adapter

The GDC PMA-2000 is a power management device designed especially for theatre projection rooms. It provides intelligent power supply management for theatre equipment, giving exhibitors the means to achieve a completely unmanned projection framework.

- Retrofit installation means zero interference with the existing power supply system, making seamless integration possible for theatres under construction or currently in operation.

- Intelligent power supply management system monitors and controls power routed to a range of theatre equipment, including projectors, servers, audio systems and luminance equipment.

- Together with Cinema Automation CA2.0 and Quality Management System (QMS), unmanned projection can be achieved, based on the foundation of automated projection.

PMA-2000

Key Benefits

1

Compact and Lightweight
Suitable for even the most compact equipment rooms, the aluminum chassis of the PMA-2000 allows for a small and lightweight form factor, minimizing the requisite wall space and reducing limitations on wall material during installation and integration.

2

Network Control
The PMA-2000 supports both UDP and TCP network protocols, giving users the means to gain direct remote access through the GDC TMS or other network management platforms with UDP or TCP support.

3

Fault Detection
With built-in power supply failure detection, the PMA-2000 provides instant power supply updates for connected equipment, enabling users to quickly and accurately pinpoint the origin of fault.

4

Standard Wiring
The PMA-2000 uses a universal wiring method for terminal wiring. This design meets wiring standards in all regions, making installation standardized and easy to maintain.

5

Secure Operation
The PMA-2000's control panel features 8 sets of LED control buttons and 1 unlock button. The LEDs provide indication of the power supply status of connected equipment, while the control buttons manage their respective power supply. To protect against mistaken operation, each control button will not function unless it is pressed concurrently with the unlock button.

Technical Specifications

Physical
Dimensions	420 (W) x 100 (D) x 450 (H) mm
Weight	9.5 kg

Environmental
Operating Temperature	0°C to 45°C (32°F to 113°F)
Operating Humidity	20% to 90%, non-condensing
Maximum Operating Altitude	6,600ft. (2,000m)

Power
Power Requirement	100 - 240V, 60/50Hz, 0.5A
Maximum Power Consumption	30W

Power Loading
Type of Power Supply	Rated Voltage	Rated Current	Number of Power Circuits
Single-phase	220V	20A	4
Three-phase	380V	20A	2
Three-phase	380V	60A	2

Control
Control Panel Buttons	8
Button LED Indicator	Support
Safety Lock Button	Support
Network Control	Support

Communication
Network Protocol	UDP, TCP

Technical Drawing

Top View

Side View **Front View** **Side View**

Bottom View

Unit (mm)
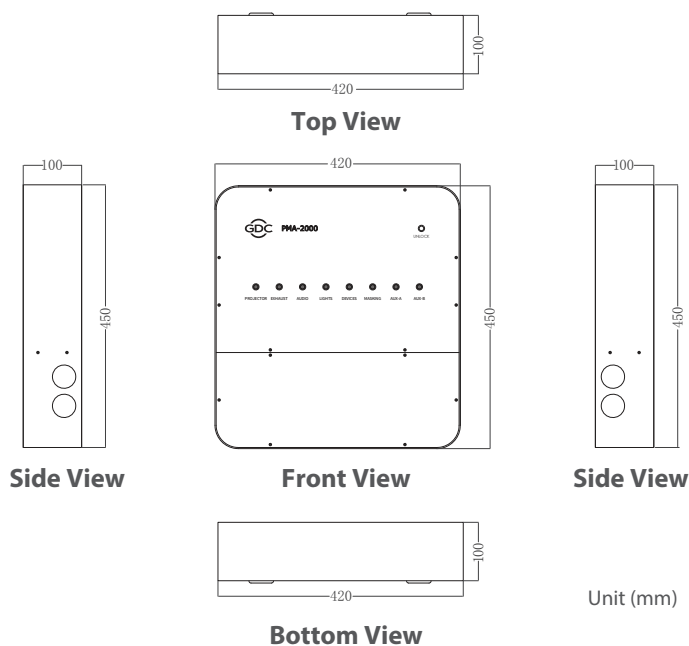
PMA-2000 System Configuration