

D6720 Intelligent Power Controller



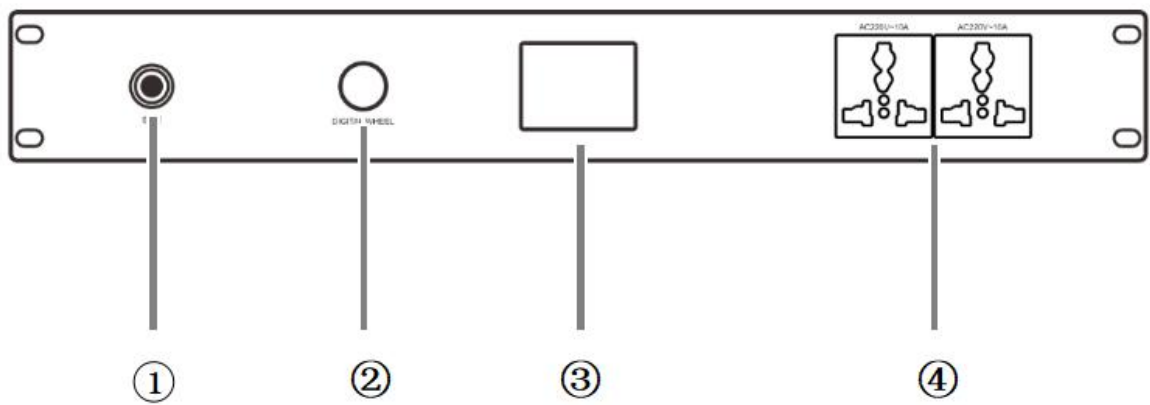
Description

The D6720 Intelligent Power Controller is an innovative solution engineered for efficient and flexible power management. It offers a comprehensive suite of features, including real-time voltage monitoring, a user-friendly interface, and precise control over eight power channels. This makes it an ideal choice for integration into modern facilities requiring automated and centralized power control systems.

Features

- Equipped with a 2.4-inch LCD color display and a custom-designed user interface, clearly showing power voltage status, on/off status of each power channel, date, and time.
- Provides 8 controllable 10A/16A power channels, allowing independent on/off control and customizable delay settings for each channel.
- Front panel includes two 10A direct power outlets for temporary power supply.
- Supports device setup and status viewing via rotary encoder.
- Designed in a 1.5U rack-mount form factor; each channel features a universal socket compatible with various power plug standards.
- Supports scheduling functions with timing plans available for weekly cycles or specific non-repeating time periods, enabling automatic channel on/off control.
- Includes one RS485 serial port for seamless integration with central control systems.
- Supports RS485 serial cascading, allowing remote centralized control of up to 16 intelligent power managers.
- Supports device ID settings, with up to 16 assignable IDs.
- Supports external short-circuit trigger signal control, enabling other devices to trigger the power manager's startup, or allowing the power controller to trigger other connected devices.
- Supports password protection for accessing the settings menu, which can be enabled or disabled as needed.
- The intelligent power controller can be remotely switched on/off via its control panel.
- Supports remote power control and setup operations via a 4-inch touch control panel.
- Widely applicable in multimedia classrooms, multi-purpose halls, conference rooms, projection splicing systems, video conferencing, monitoring centers, building control systems, and management/command centers.

Model	D6720
Power Input	8-channel Universal Socket + 2-channel Direct Socket
Single-channel Maximum Load	16A
Control Methods	Panel Buttons, RS485, External Short-Circuit Signal, Touch Control Panel
Power Capacity	Total Capacity 220V, 25A, 5500W
Input Power	AC220/50Hz
Sequence Interval	0-999s
Package Size (L×W×H mm)	535×395×130mm
Product Size (L×W×H mm)	483×240×66mm
Net Weight	4.3kg
Gross Weight	5.6kg



① Power On/Off Indicator Light

Press the power switch to turn on the intelligent power controller. The power indicator will light up. Press the power switch again, and the indicator will flash in sequence as the power channels shut down one by one. When all channels are turned off, the power indicator goes out.

② Shuttle Control Knob

Rotate the knob left or right to move the focus up or down on the screen. Press the knob to enter or activate the selected item.

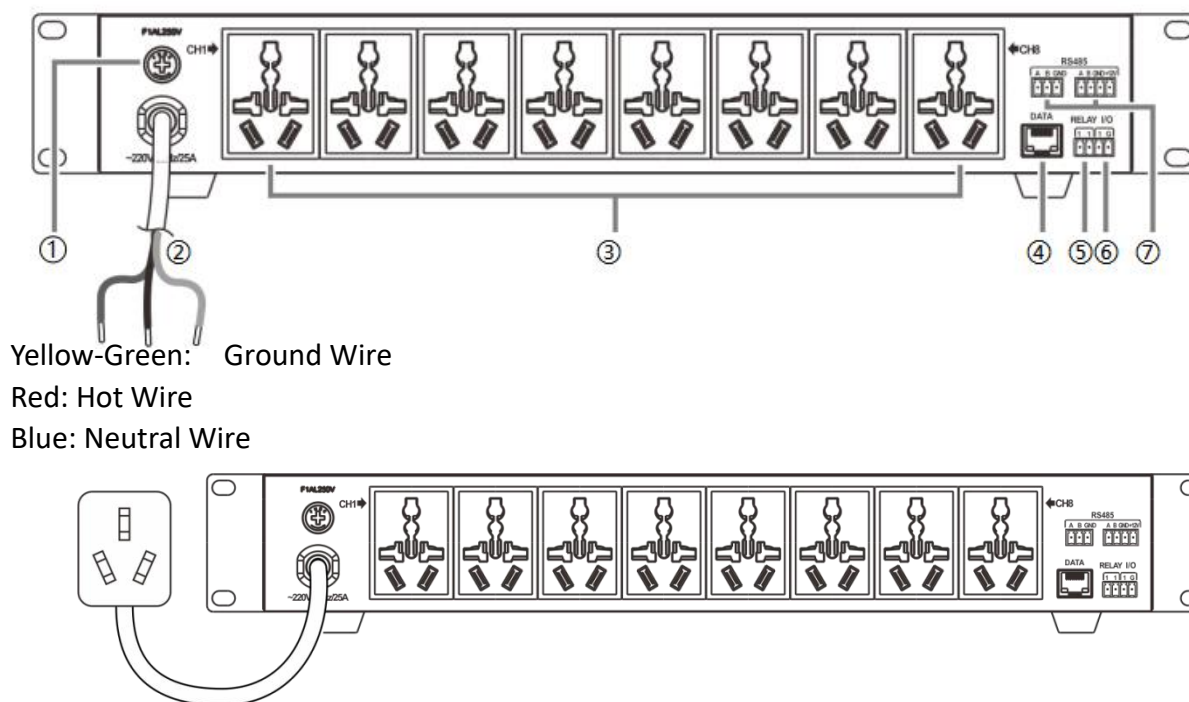
③ 2.4-Inch LCD Color Display

Displays the status information and setting options of the intelligent power controller.

④ 2-Channel Power Socket (Direct)

Provides two 10A universal direct power outlets.

There are two types of power cables on the rear panel:



Yellow-Green: Ground Wire

Red: Hot Wire

Blue: Neutral Wire

① Power Fuse Holder

If the fuse is blown, please replace it with a fuse of the same specification; if the fuse continues to blow, there is a short-circuit fault inside the machine. Please remove the fault and replace the fuse.

② Power Input Cable

Can be connected to a distribution box and supports up to AC220V/25A current.

③ 8-Channel Power Output Sockets

Supports 16A/10A power plugs, with each socket rated for a maximum current of 16A.

④ DATA Interface

Connect to the DATA port on the rear panel of the Intelligent Power Controller control panel using a network cable. The maximum connection distance is 200 meters.

⑤ RELAY Dry Contact Output

When the device is powered on through an external short-circuit trigger, the dry contact output simultaneously provides a short-circuit signal.

⑥ I/O Short-Circuit Trigger Input

An external short-circuit signal can trigger the device to power on. When the short-circuit signal is disconnected, the device will power off.

⑦ RS485 Interface (can be cascaded)

Supports cascading up to 16 intelligent power controllers within the system.

⑧ Power Input Cable

Supports a three-pin plug and a maximum current of AC220V/16A.