# D6578

# Remote Intelligent Power Sequence Controller with 3.2-Inch LED Screen


## Description

The multi-channel intelligent power manager delivers stable performance and supports centralized control via IP network or RS-232 connection to a central control system. It also integrates RS-485 networking functionality, enabling up to 254 units to be connected in a daisy-chain configuration through RJ45 input and output ports, with an alternative RS-485 connection available via Phoenix terminals on the rear panel. Once networked, the system supports sequential power-on/shutdown of 8 × N outlets from front to back.

The device also features a built-in Wi-Fi AP mode, allowing users to log in for web-based management via various Wi-Fi terminals or a wired IP connection. Additional interfaces include one RS-232 serial port, one DC12V trigger output, one short-circuit output, one short-circuit input, one AC220V trigger input, and two standard panel-mounted AC pass-through power outlets.

## Features

- 2U rack-mounted design with refined appearance and high-quality construction.
- 3.2-inch industrial-grade LCD screen displaying real-time electrical metrics per channel, date/time, weekday, switch status, mode, and scheduled points.
- Screensaver function with customizable timeout settings.
- Customizable on/off intervals per channel.
- Independent control per channel and one-click sequential power on/off.
- Built-in high-precision clock chip with automatic network time synchronization.
- Scheduled power on/off with multiple timer configurations—no manual intervention required.
- Real-time monitoring of voltage, power, and current, with per-channel current display.
- Compatible with central control protocols; supports control via network port or serial port.
- 1 short-circuit trigger output, 1 DC12V trigger output, and 1 short-circuit input.
- Supports 220V touch-sensitive trigger input.
- Fully isolated sampling for accurate power parameter monitoring.
- Interfaces: DB9 RS-232, RJ45 RS-485, and RJ45 Ethernet.
- Built-in web server for control and management via PC, smartphone, or tablet.
- Configurable device ID with user-defined coding.

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- Supports cascading of multiple devices for centralized control.
- 8 controllable universal sockets (compatible with 10A and 16A), 2 pass-through sockets, 2 USB 5V outputs, and 1 × 3.81mm green terminal 5V output.
- Maximum input current: 63A; maximum output per channel: 16A; operating voltage: 110V – 240V.
- Built-in air switch protection.
- Integrated speaker with user-configurable alarm volume.
- Undervoltage/undercurrent and overvoltage/overcurrent warnings with auto shut-off and audible alerts.
- Per-channel real-time current monitoring with limit setting and automatic shutdown on threshold breach.
- Scene control: user-defined channel groupings for switching.
- Custom naming available for each channel.
- Temperature monitoring display.
- Operation logs for system activity tracking.
- Supports internet connectivity for remote control and firmware updates.
- Built-in Wi-Fi hotspot for wireless control via direct device connection.

## Specifications

| Model | D6578 |
|---|---|
| Input/Output Voltage | AC110~240V |
| Output Frequency | 50Hz |
| Maximum Withstand Current | 63A |
| Maximum Current for Single Channel | 16A |
| Current Detection Accuracy | +/-0.1A |
| Voltage Detection Accuracy | +/-1V |
| Maximum Current for DC5V Output | 200mA |
| Output Channel | 8 Channels |
| EM Filter | Not Included |
| Set Time On/Off | 1-120s |
| Timer | 8 Channels |
| Pass-Through Port | 2 Channels |
| RS232 | 1 Channels |
| RS485 | 1 Channel |
| IP | 1 Channel |
| WIFI | AP Mode (Account: P2P0, Password: 12345678) |
| Weight | 6kg |
| Package Dimensions | 2U (550mm*300mm*150mm) |

## Front / Rear Panel

### Front Panel


① Power Switch Master Switch

Power air switch for run/shutdown.

② Device Power Pass-Through Outlet

Each pass-through power outlet supports a maximum current of 16A.

③ PC Color Display Screen

Display the current device operation information.

④ Device Direct Input/Output Port

Connects to the direct input/output RJ45 port of the next device in the chain.

⑤ Key Controls and Indicators

Independent power output controls and power output switch indicators for each channel.

⑥ One-Key On/Off Button for Eight-Channel Outputs

Turn on the power output sequentially at the set interval from front to back, and turn off the power output sequentially at the set interval from back to front.

### Rear Panel


① USB Interface

Provides auxiliary USB power supply and reserved for data interaction.

② Network Port

Used for web-based management and control.

③ Wi-Fi Antenna Port

SMA-K type connector.

④ Multi-function Interface

10-pin Phoenix connector, in order: 12V output, short-circuit trigger output, short-circuit input, 5V auxiliary power output, RS-485 interface.

⑤ RS-232 Serial Port

Supports device firmware upgrade and central control connection.

⑥ Power Output Interface

8-channel power sequencer output.

⑦ Touch Control Power Input Port

AC POWER TRIGGER port, accepts AC220V trigger input for sequencer control.

⑧ Power Input Port

Supports 10mm² power cable input.