User Manual

8-Channel Power Sequencer

Model : PS08U



Ver： V3.01
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Before powering on the device, ensure the chassis is properly grounded to prevent electrostatic discharge from endangering the device and personal safety, and to provide good shielding.

Please observe the following during installation, operation, and maintenance:

- Use a single-phase three-wire 220V AC power supply with protective grounding, and ensure the entire system shares the same protective ground. Do not use ungrounded power, and do not damage the grounding pin of the power cord.
- Turn off all power supplies (including the power switch and unplug the power cord) before moving the device or performing any work requiring power interruption to ensure your safety and the device's safety. Note: Turn off the main power switch in wet weather or during long-term non-use.
- Do not place heavy objects on power cords, signal cables, or communication cables; avoid stepping on or squeezing cables to prevent electric leakage or short circuits.
- Power off the device before plugging or unplugging signal cables. Damage caused by hot-plugging is not covered under warranty.
- Install the device properly. The power supply generates heat during operation; maintain good ventilation to avoid overheating and damage. Install in a standard rack, cabinet, or stable platform to prevent falling.
- Keep the operating environment dust-proof and moisture-proof. Do not place the device in extremely cold or hot locations.
- Prevent liquid or chemical splashing into the device.
- All maintenance must be performed by qualified technicians. Do not attempt repairs without training to avoid electric shock, accidents, or further damage.

1. Product Introduction

The 8-channel power sequencer is a high-efficiency centralized power management device designed for professional power control in various scenarios.

Key functions:

- 8 controllable power outputs + 2 constant power outputs
- Front-panel controls: one-touch all-on, one-touch all-off, sequential switching, and independent channel control
- 1 USB 5V output for on-site debugging (lighting, temporary power)
- Third-party control support: RS232 and UDP

Widely used in multimedia conference rooms, smart classrooms, exhibition halls, digital operating rooms, radio and television, bars, and other professional venues.

2. Product Features

- 8 controllable power outputs + 2 constant power outputs
- 1 USB 5V power output

- Three control modes: RS232 / UDP / front-panel buttons
- Customizable delay for each channel (up to 999 seconds)
- PC software control support

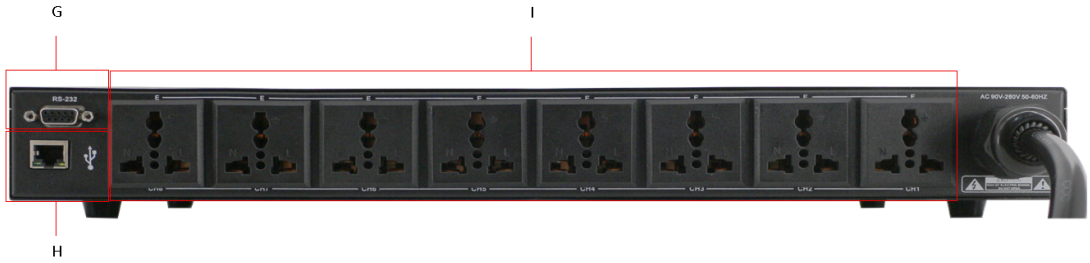
3.Specification

Item	8-Channel Power Sequencer
Power Outputs	8 controllable + 2 constant
Control Interface	Standard: RS232 + LAN; Optional: RS232 + RS485
Max Input Current	36A
Max Output Per Channel	13A
Weight	4kg
Dimensions	482*240*55（mm）

4.Interface Description



A	Uninterrupted Power Port
B	Voltage Display
C	8-channel status indicators and manual control buttons
D	Manual/Auto Switch Button
F	Main Power Switch



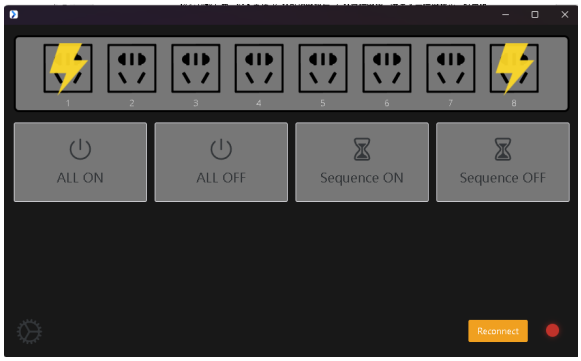
G	RS232 Serial Control Interface

H	UDP Control Interface （Optional RS485 interface.）
I	CH1-CH8 8 channel Port

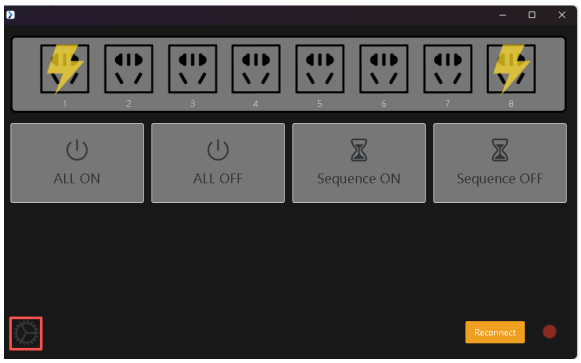
5.Software Operation

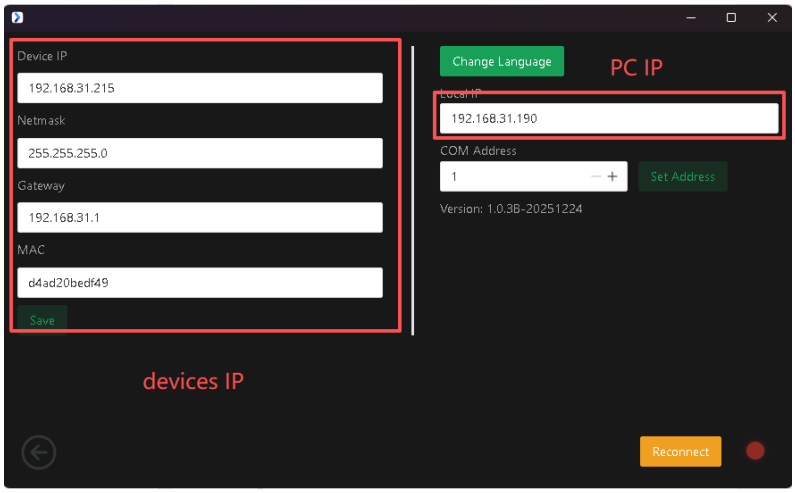
Open the software AVC_Power_Control B. 

Enter the main page.



Click the **Settings** icon in the bottom-left corner to enter the settings interface.

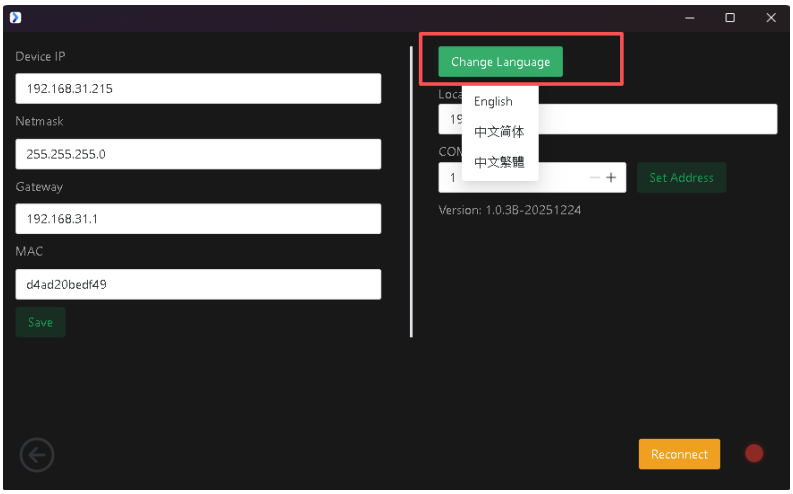




After entering this page, the software will automatically search for device IP addresses and display them in the left area. You can configure the current PC IP address in the right area. (Note: The PC IP address must be in the same network segment as the device.)

Language Switching

Click the green button at the top right to select a language. Chinese, English and Traditional Chinese are supported.



Control Protocol

Network Control

- Default IP: 192.168.0.180
- UDP Port: 20108 (default)
-

RS232 Communication Protocol

- Connection: straight cable or USB-to-RS232 adapter
- Parameters: baud rate 9600, data bits 8, stop bits 1, parity none

RS232 Control Commands

Command Code	Description
55 01 00 0D F0 AA	Address 1: Sequential ON
55 01 00 0D F1 AA	Address 1: Sequential OFF
55 01 00 01 F0 AA	Address 1: CH1 ON
55 01 00 01 F1 AA	Address 1: CH1 OFF
55 01 00 02 F0 AA	Address 1: CH2 ON

Command Code	Description
55 01 00 02 F1 AA	Address 1: CH2 OFF
55 01 00 03 F0 AA	Address 1: CH3 ON
55 01 00 03 F1 AA	Address 1: CH3 OFF
55 01 00 04 F0 AA	Address 1: CH4 ON
55 01 00 04 F1 AA	Address 1: CH4 OFF
55 01 00 05 F0 AA	Address 1: CH5 ON
55 01 00 05 F1 AA	Address 1: CH5 OFF
55 01 00 06 F0 AA	Address 1: CH6 ON
55 01 00 06 F1 AA	Address 1: CH6 OFF
55 01 00 07 F0 AA	Address 1: CH7 ON
55 01 00 07 F1 AA	Address 1: CH7 OFF
55 01 00 08 F0 AA	Address 1: CH8 ON
55 01 00 08 F1 AA	Address 1: CH8 OFF
55 02 00 08 F2 AA	Set device address to 2
55 03 00 08 F2 AA	Set device address to 3

Notes

For third-party control, the front-panel BYPASS indicator must be OFF.

When modifying the device address, connect only one device to avoid changing addresses of multiple units.