Power Sequencer

manual

V1.0

Introduction：

background:

1) When the audio system does not turn on the equipment in the normal order, the system may amplify the introduced noise signal at the moment of power-on, resulting in a strong whistling sound, which may damage the power amplifier or the speaker in severe cases；

2) When a large number of electrical equipment is powered on at the same time, due to the superposition effect of the current, a strong instantaneous surge current will be generated, which will seriously threaten the safety of the electrical equipment, and may damage the electrical equipment in serious cases.

solution：

A "power sequencer" is a device used to protect electrical equipment from power-on and power-off, and to manage power in a unified manner. It turns on or off the power of electrical equipment one by one in order to ensure that no noise is introduced when starting and shutting down the audio system; at the same time, the electrical equipment is powered on or off on a staggered peak to avoid generating a strong instantaneous surge current, thus protecting the sound system. The safety of electrical equipment also realizes the unified management function of the power supply of electrical equipment. Human error operation is avoided, thereby ensuring the stability of the power system and the convenience of operation.

This sequencer product is used for centralized power management of electrical equipment, and its standard cabinet installation features are more suitable for unified management of the power supply of equipment in the cabinet.

Its application scenarios such as: audio engineering, TV broadcasting system, lighting signal cabinet system, computer network system and power facilities and other occasions that require sequential power supply or power distribution system where electrical equipment is relatively concentrated.

Power Sequencer Features：

1) Two working modes: sequential mode + pure pass-through mode, the working mode can be switched through the pass-through lock switch;

2) 2-channel straight-through output + 8-channel timing output;

3) The timing switch can control the 8-channel timing output power supply to be turned on and off in sequence, and the timing interval of each channel is 1 second;

4) 8 single-control buttons, which can manually control the opening and closing of each sequential output power supply;

5) Digital voltmeter, which can monitor the field voltage changes in real time;

6) The carrying power of each channel is 2KW, and the maximum carrying power of the whole machine is 13KW;

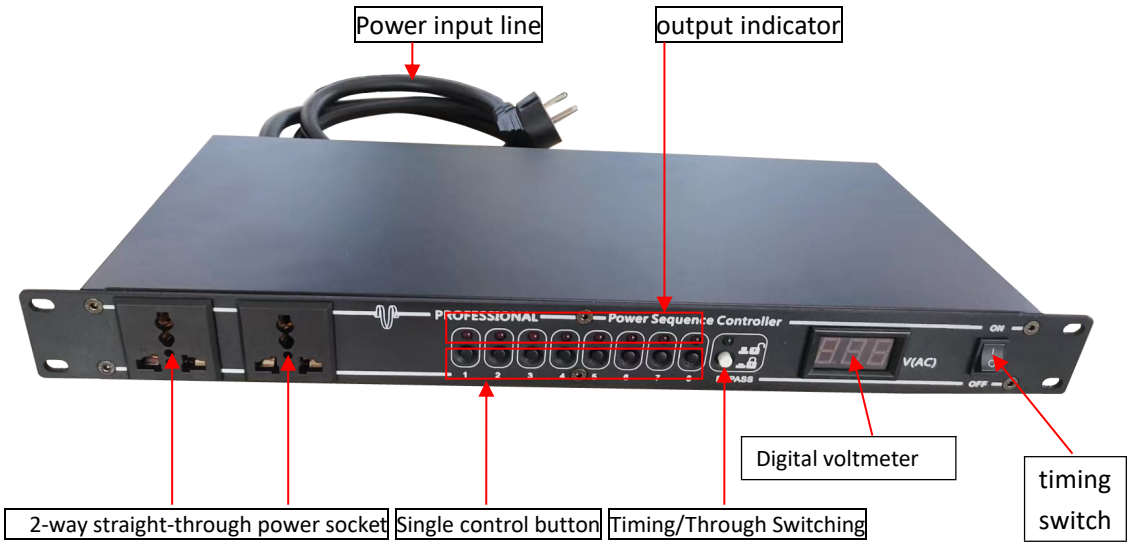
7) 10 universal power output sockets made of phosphor bronze;

8) It is applied to centralized power management and control of electrical equipment, and its standard cabinet installation features are more suitable for unified management of the power supply of equipment in the cabinet.。

The main parameters of the sequencer：

NO.	Parameter category	Parameter value
1	Input power (full frequency input power)	AC 90-240V, frequency 50-60Hz
2	Power input wire diameter	4 square mm high quality pure copper 3 core cable
3	Maximum output current	40A max
4	Maximum output current per channel	16A max
5	Maximum output power per channel	2KW
6	Number of control channels	8-channel timing output
7	Number of straight paths	2 direct output
8	timing interva	The time interval between each way is 1 second
9	Operating mode	Timing Mode/Through Mode
10	Single control function	Have
11	Voltage display	Have
12	Output socket type	Universal power socket
13	Socket material	Phosphor Bronze
14	Installation method	19-inch 1U standard cabinet installation

Introduction to the front panel/Real panel



8-way sequential power output socket