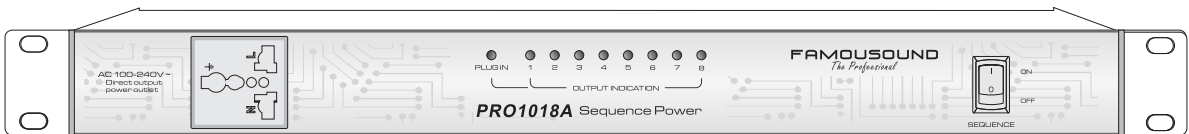


# PRO1018A电源时序管理器

## Sequence Power-PRO1018A



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# 重要安全事项和符号说明

- 1. 阅读这些规定。
- 2. 保存好这本说明书。
- 3. 注意所有警告。
- 4. 遵守这些规定。
- 5. 警告: 为避免着火或电击, 不要将设备暴露在雨中或潮湿的环境中。设备不应遭受水滴或水溅, 而且设备上不应放置诸如花瓶一类的装满液体的物品。
- 6. 建议用干布清洁。
- 7. 根据制造商的说明进行安装。
- 8. 不要安装在会产生热量的热源附近, 如散热器、热调节装置、炉子或其它设备。
- 9. 勿使接地插头的安全性失效, 本设备应通过保护性接地连接到插座。
- 10. 保护电线防止被踩踏或挤压, 尤其要注意插头、电源插座及其连接设备处。
- 11. 必须使用与面板保护盖板内标称电压相符的电源, 若由于使用电压的不恰当而导致的设备损坏将作为有偿服务。
- 12. 需要联机控制的用户必须按本手册第4页“联机控制的连接”进行操作, 否则无法正常联机控制。



有重要的信息, 提请注意!

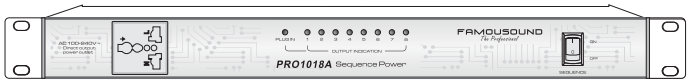


机内具有危险电压的非绝缘部分, 足以致人于触电之危。  
维修时必须由专业人士检修, 不得擅自开盖!

## 前言

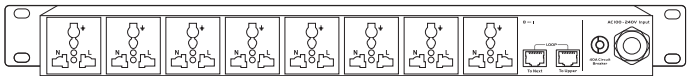
### 欢迎

非常感谢您购买蜚声演出器材制造有限公司产品。  
在使用之前请详细阅读本手册, 它将给您正确的使用指引, 并有助于设备的正常工作, 避免因操作不当而造成不必要的异常问题。



### 拆包

请在拆开包装后, 确认产品的外观没有在运输途中遭到损坏。确认产品的预设电压和您所在地的交流电压额定值匹配 (详细信息见产品背板印刷) 建议您保留包装箱, 以便在需要退还时使用。



### 支持与服务

请直接联系蜚声演出器材制造有限公司在当地的经销商, 以获得快速的售后服务和技术支持, 如有技术问题需要直接与制造商联系, 可以通过以下方式:  
电子邮件: support@saechina.com  
传真: +86-757-8568-8191

### 重要的安全注意事项

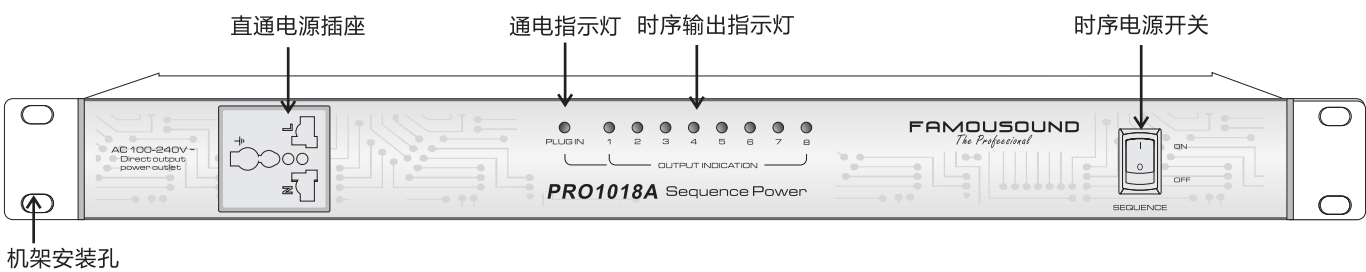
蜚声演出器材制造有限公司的产品设计已经考虑到安全使用的要求, 并遵照相关的国家的安全规定检验出厂产品, 只有合格的产品才能出厂销售。但由于本产品内部有危险高压和电量, 因此要求用户必须认真阅读本手册的注意事项。如果产品跌落、凹入、浸湿或者里面有部件松动, 则会大大增加人被电击的危险。当发生以上的问题时, 请马上切断电源线, 然后将本产品送还指定的经销商进行维修, 禁止自己开盖检查!

### 产品特点

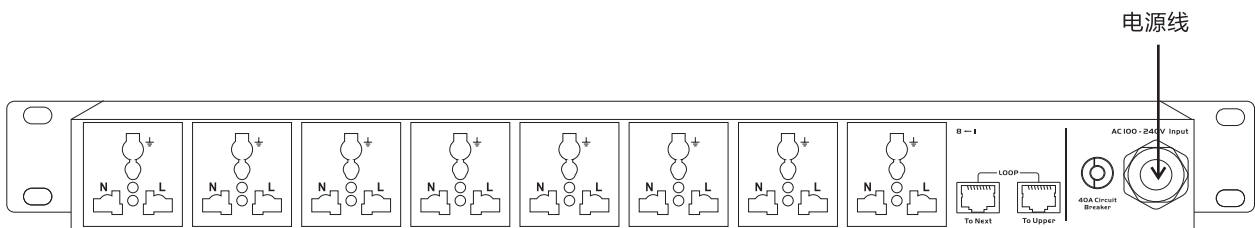
- PRO1018A 采用世界电压适用的开关电源供电, 产品能在100~240V的标准电源电压下使用。
- 断路器短路过流保护。
- 可扩展多台联机实现16、24、32路时序管理功能。
- 插座采用万能型, 贴心的兼容不同样式的电源线插头使用。

# 使用说明

## 前面板概况

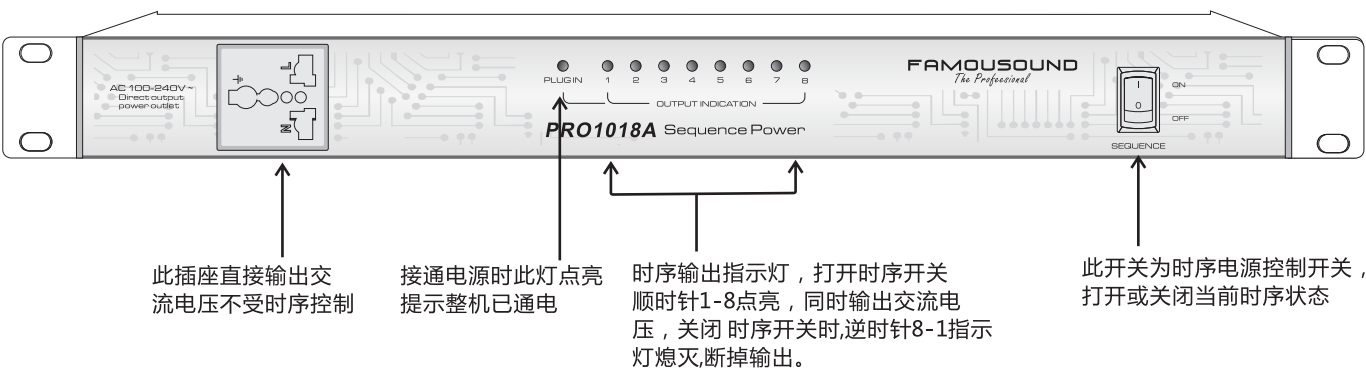


## 电源线的连接



备注:PRO1018A自带电源线+电源插头，内部接线，用户不需另外接线！

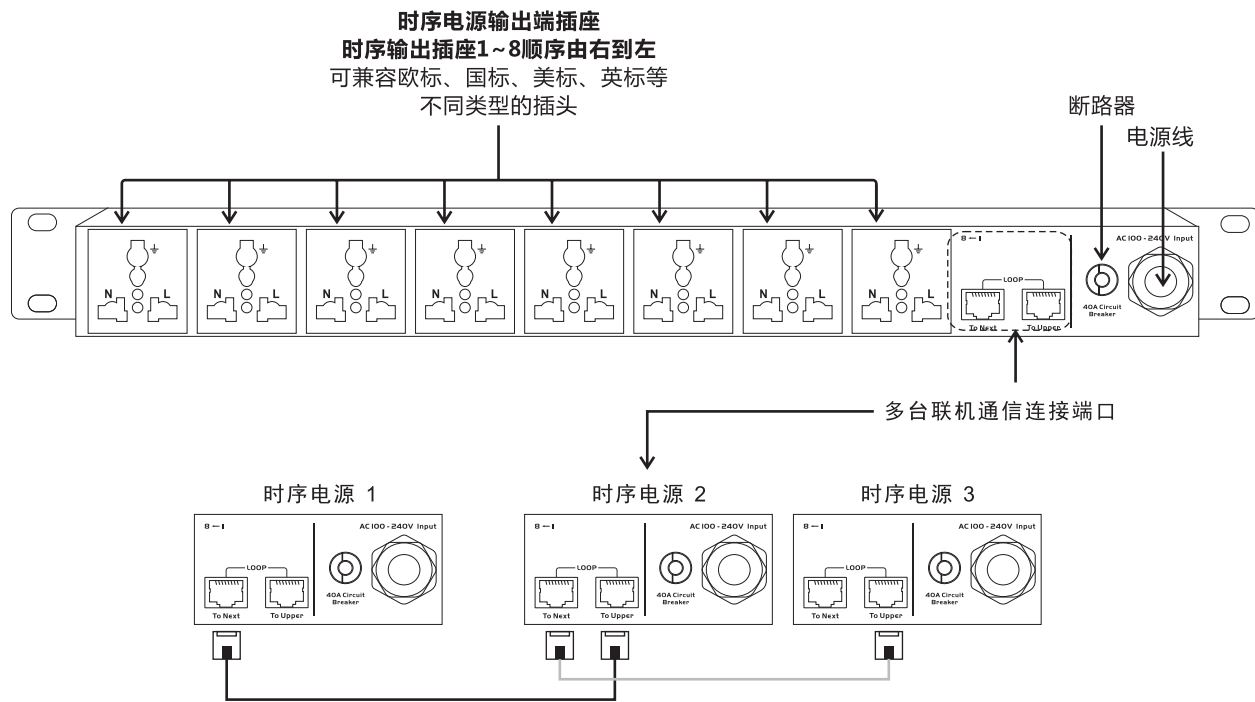
## 面板功能



注意：必须使用大功率电源排插或插座，谨防功率过小引起打火等安全隐患!

使用说明

后面板概况



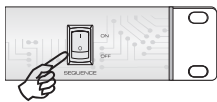
后板过载断路器，当时序器总电流持续超过40A时会自动跳开，进入过载保护状态，当减轻负载后需要重新按下断路器上的按钮才可以恢复正常工作！



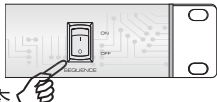
多台联机控制注意事项

1、必须在断电状态下连接好联机信号线，并且所有从机的 (SEQUENCE)开关都必须是在关的位置，等待主机发出指令控制。

主机：该开关为主控开关，其状态决定联机的状态



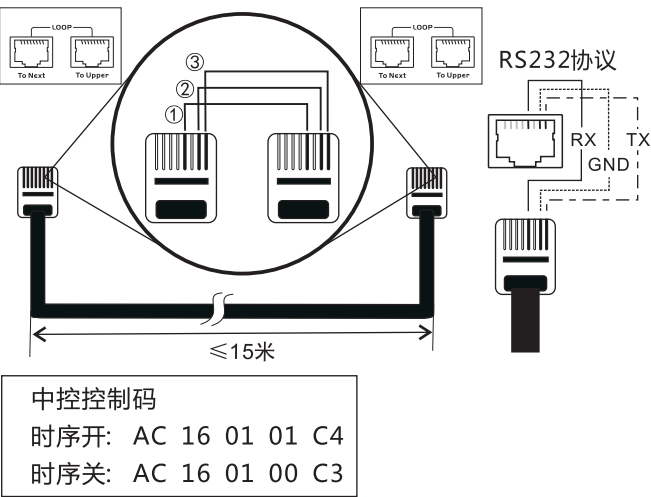
从机：该开关为应处于关闭状态，等待主机指令



处于“关”状态

- 2、时序的开/机状态由时序电源开关控制，  
开机“ON” 1→8顺向开机，  
关机“OFF” 8→1逆向关机…
- 3、多台联机通信中，打开第一台时序器的时序控制开关后，  
会按顺序一直开到当前联机中的最后一台，  
关机相反从最后一台开始关到最前面一台。
- 4、联机使用状态切勿插拔电源线，联机线，  
否则联机信号中断，联机异常。

5、请使用标准网线连接;若自制网线,请确保使网线接法为直连线,即两端水晶头,如下图中①、②、③号位线的颜色两端必须相同,使用台机联机功能时,网线长度建议不超过15米,联机线太长会影响通信质量。



# 中控代码

## 中控传输协议设置

1. 设备号:输入范围01~08,设备号01是头机,直接连接中控;  
下图是设备号01的中控指令实例,其余指令代码以及其他设备号的中控指令详情,  
请看时序中控应用代码及其说明文件

功能	指令头		设备号	指令尾	
时序开	AC	16	01	01	C4
时序关	AC	16	01	00	C3
时序开与关	AC	15	01	01	C3
通道1开	AC	11	01	01	BF
通道1关	AC	11	01	81	3F
通道2开	AC	11	01	02	C0
通道2关	AC	11	01	82	40
通道3开	AC	11	01	03	C1
通道3关	AC	11	01	83	41
通道4开	AC	11	01	04	C2
通道4关	AC	11	01	84	42
通道5开	AC	11	01	05	C3
通道5关	AC	11	01	85	43
通道6开	AC	11	01	06	C4
通道6关	AC	11	01	86	44
通道7开	AC	11	01	07	C5
通道7关	AC	11	01	87	45
通道8开	AC	11	01	08	C6
通道8关	AC	11	01	88	46



波特率：115200  
数据位：8位  
停止位：1位  
奇偶校验：无

表中 设备号 "01" 示例

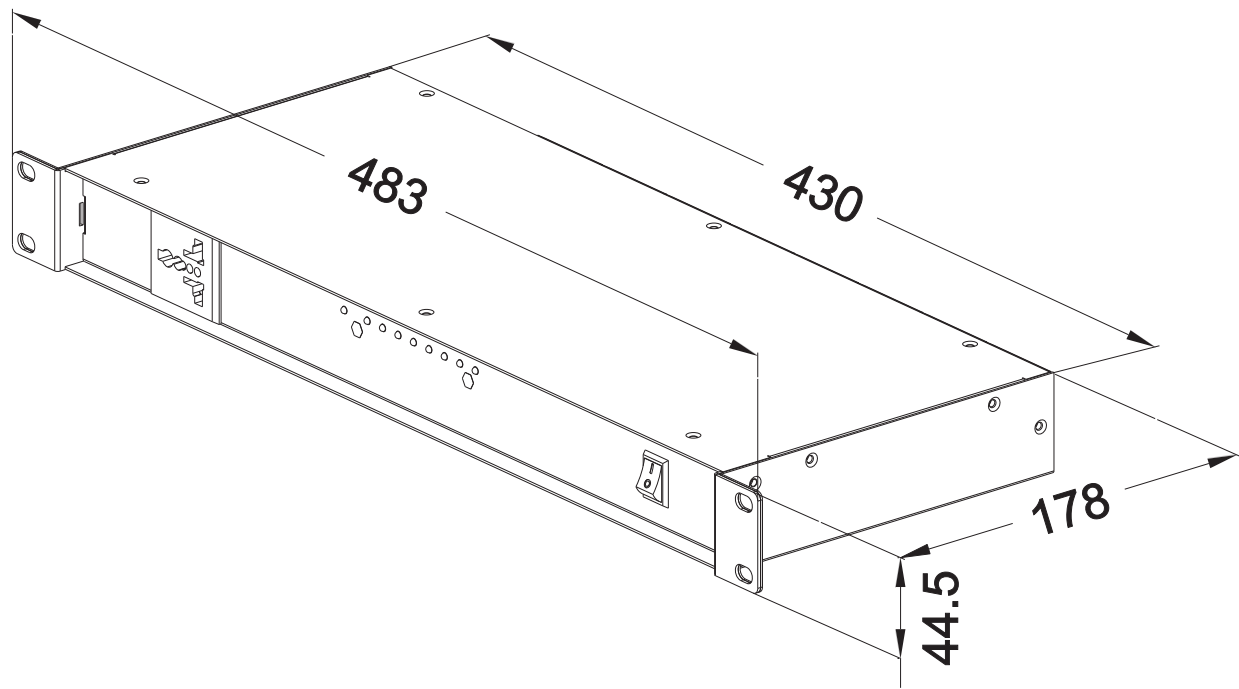


中控包下载

# 技术指标

电源限制总功率	~100-240V~/40A
电源输入接线方式	电源线索头固定，内部接线
电源开关和过流保护	40A按压恢复式断路器带过流和短路保护
时序控制输出通道数目	8个兼容型电源插座（后面板）
无时序控制输出通道数目	1个兼容型电源插座（前面板）
每通道可以提供的最大输出电流	音频设备负载<20A；线性纯阻负载<10A（不能用于舞台灯具设备）
时序控制方式	面板开关控制和联机控制（可通过后板网线接口实现多台联机控制）
时序间隔	1.5s/step
工作电压	100V~240V /50~60Hz ±10%
电源线	2.5mm²电源线
机箱尺寸（mm）	483x178x44.5
纸箱外尺寸（mm）	525x265x110
毛重	3.5kg

机箱尺寸（mm）



适用型号：PRO1018A  
SAE保留对以上参数的解释权，参数有所变动恕不再另行通告，最后参数以产品说明书为准。

## Important Safety Instruction and symbol description

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- 1.Read these instructions.
- 2.Keep this user manual.
- 3.Pay attention to all the notice.
- 4.Comply with these instructions.
- 5.Warning:to reduce the risk of fire or electric shock, do not expose this apparatus to rain or moisture.  
Equipment should not be exposed to water or water splash, and equipment shall not be placed for a class of items such as vases filled with liquid.
- 6.Suggested use dry cloth to clean.
- 7.Install the equipment according to User's Manual.
- 8.Do not install the equipment closed to the heat source, such as radiator, heat regulating device, furnace etc.
- 9.This equipment should be connected to a socket by protective grounding.
- 10.Protect the wire from being trampled or extruded, especially the plug, socket and the connector of it.
- 11.Must be used nominal voltage of the power supply same as the one written on the top cover.  
If damage caused by improper use of voltage, it will be served as a paid service.
- 12.For link control please refer to Page 4 of this User's Manual.



Notice for important information



There is risk for electric shock as there are uninsulated parts inside the machine.  
It is not allowed to open the cover of the machine except the professional for maintenance.

## Foreword

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### Welcome

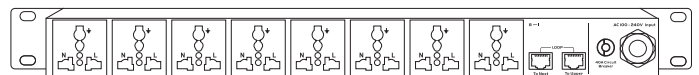
Thank you for purchasing our products.  
Please read this manual in detail before use, it will give you the use instructions and help for the normal working, avoid the wrong operation to make unnecessary abnormal problems.

### Unpacking

Please unpack and inspect your amplifier for any damage that may have occurred during transit.  
Confirm the preset voltage of the Sequence Power matches your local voltage rating ( Please refer to the print on the rear panel for detailed information).  
We also recommend that you save all packing materials so you will have them when need to return the Sequence Power.

### Important safety precautions

Our products has already taken the safe requirement in to consideration and all the finished products have been tested under the requirement of the government before sale.  
Due to the inner dangerous high voltage and electricity, we strongly recommend you read all instructions, warnings and cautions contained in this manual. It will increase the chance of getting shock by the electricity if the product falls down, recess in the appearance, soaked or there were some parts loose internal. If there are problems above, please turn off power immediately and send the defective units to local distributor for service.

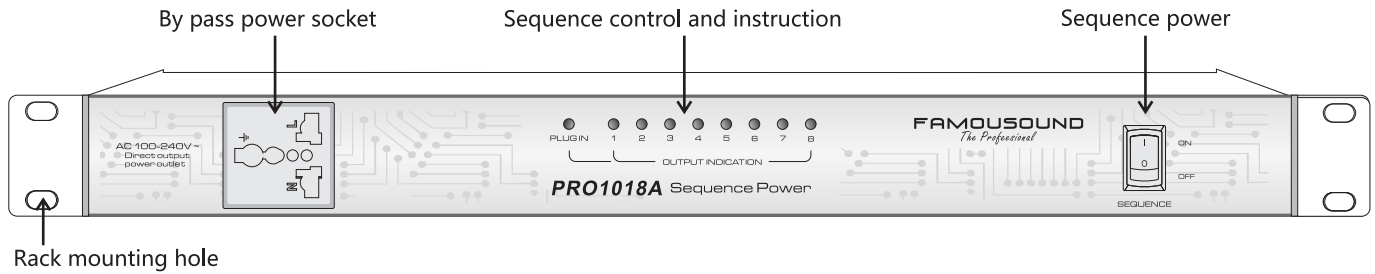


### Product features

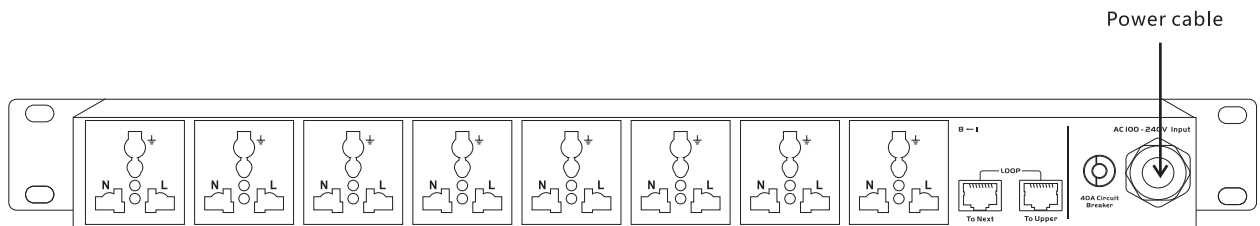
- 1.PRO1018A adopted SMPS power supply, available for universal voltage 100-240V.
- 2.Circuit breaker with over-current and short circuit protection.
- 3.Multipile link to 16, 24, 32 outputs sequence control.
- 4.Universal socket, compatible with different style of the power plug.

## Instructions for use

### Front panel introduction

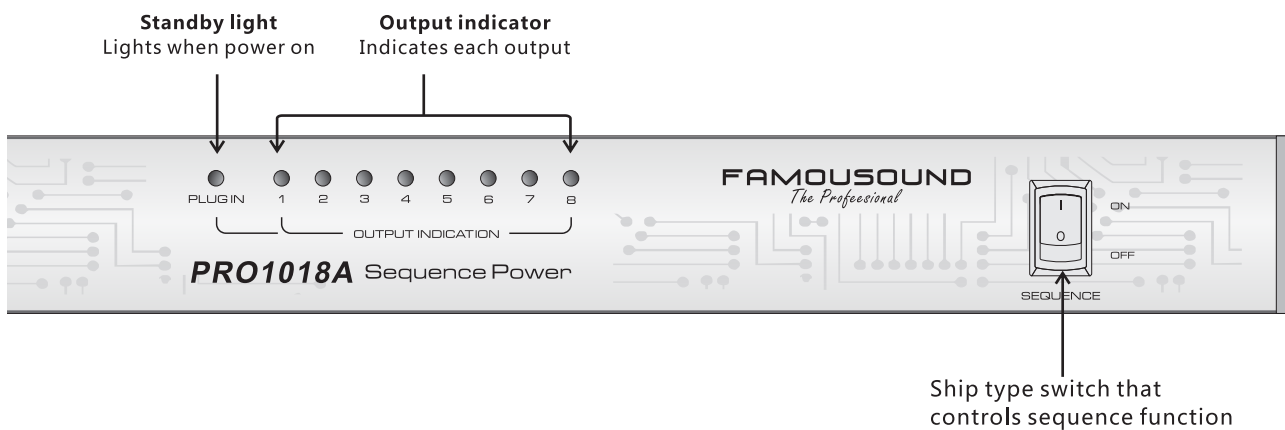


### Power cable connection



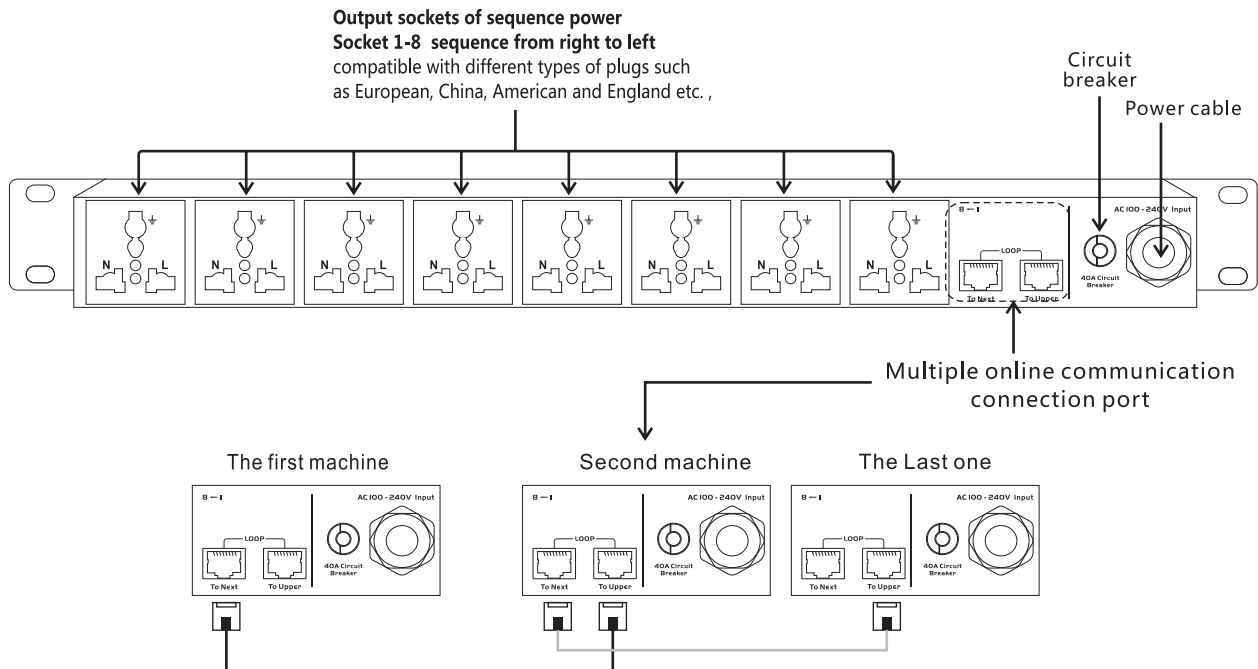
**Note :** The machine comes with its own power cable + power plug, which is wired internally. Users do not need additional wiring!

### Front Panel Function Introduction



**Attention:** must use the high-power power line plug or socket, to prevent the power is too small to cause ignition and other safety hazards!

## Rear panel introduction



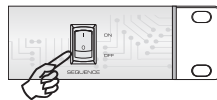
**Rear plate overload circuit breaker, when the total current of the sequencer continues to exceed 40A, it will automatically jump off and enter overload protection state, after the load is reduced Need to re-press the button on the circuit breaker to return to work!**



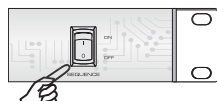
### Notes for online control

1. The RJ45 Network cable must be connected in the power outage state, (shut off the main switch) and all slave machines (SEQUENCE) switch must be off, waiting for the command control of the host machine.

Host machine: This switch is the main switch, decide the states of the system state.



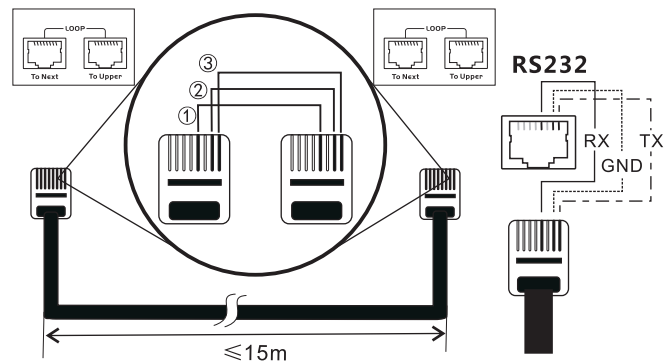
Slave machine: This switch is kept off, waiting for the instructions of the host machine.



this switch is kept off

2. Sequence on/off state is controlled by sequence switch ,  
 Turn on: "ON" from 1 to 8 (from left to right)  
 Turn off: "OFF" from 8 to 1 (from right to left)
3. In multiple online communication, after opening the sequence control switch of the first machine ,  
 it will continue to open to the last one in the current online in order.  
 and then Close instead, start with the last one and close to the first one.
4. In the online working state, do not unplug the power line or online line.  
 Otherwise it will cause the interruption of the online signal and online abnormal.

5. Please use standard network cable to connect; If you make your own network cable, make sure that the network cable connection method is straight. Namely the crystal head at both ends, the color of the ①, ② and ③ line in the figure below must be the same at both ends. When using the online function of the computer, the length of the network cable is recommended not to exceed 15 meters. If the online cable is too long, it will be dangerous. Affects the quality of communication.



Intermediate control code

Temporal open: AC 16 01 01 C4

Temporal off: AC 16 01 00 C3

Central control transfer protocol setting

1.Device number: input range 01~08, device number 01 is the head machine, directly connected to the central control system;The following figure shows the example of central control system instruction of device no. 01, other instruction codes and details of central control system instruction of other device No. 01.Please refer to the timing central control system application code and its documentation.

Function	Instructions first		Device number	Instruction tail	
Sequential on	AC	16	01	01	C4
Sequential off	AC	16	01	00	C3
Sequential on/off	AC	15	01	01	C3
Channel 1 on	AC	11	01	01	BF
Channel 1 off	AC	11	01	81	3F
Channel 2 on	AC	11	01	02	C0
Channel 2 off	AC	11	01	82	40
Channel 3 on	AC	11	01	03	C1
Channel 3 off	AC	11	01	83	41
Channel 4 on	AC	11	01	04	C2
Channel 4 off	AC	11	01	84	42
Channel 5 on	AC	11	01	05	C3
Channel 5 off	AC	11	01	85	43
Channel 6 on	AC	11	01	06	C4
Channel 6 off	AC	11	01	86	44
Channel 7 on	AC	11	01	07	C5
Channel 7 off	AC	11	01	87	45
Channel 8 on	AC	11	01	08	C6
Channel 8 off	AC	11	01	88	46



Baud rate: 115200  
Data bit: 8 bits  
Stop bit: 1 bit  
Parity check: None

Example of device number "01" in the table



Central control package download

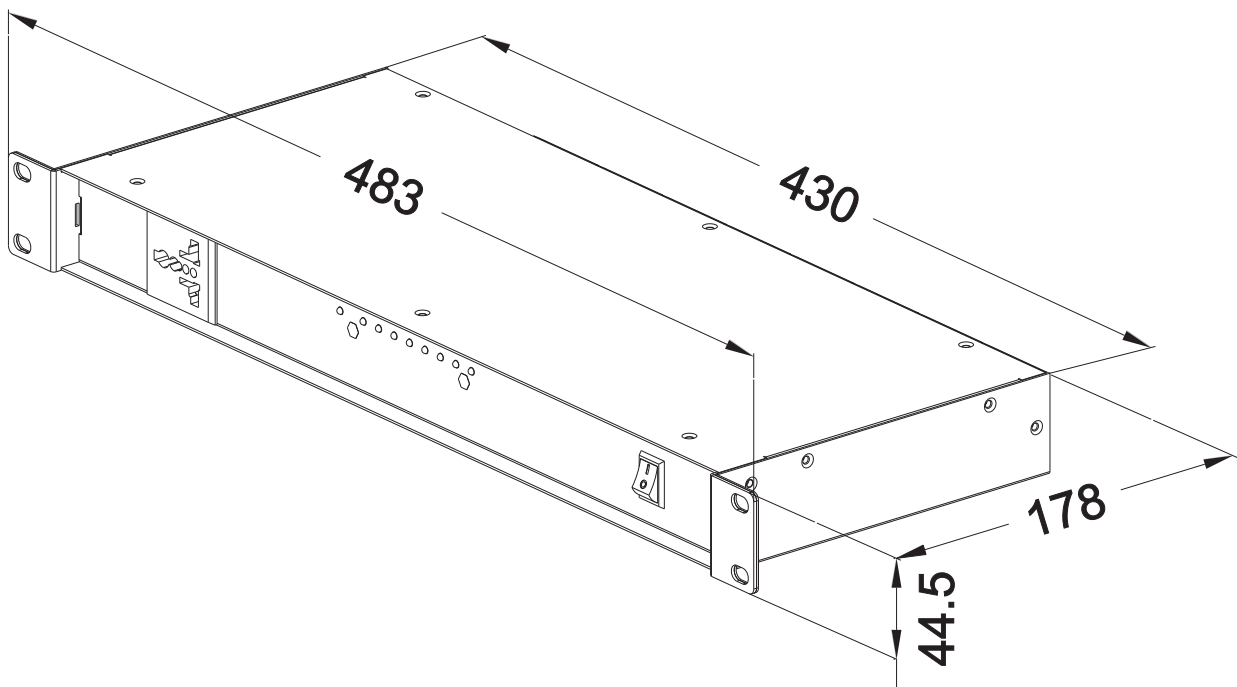
## Specifications

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Limit power	< ~100~240V~/40A
Input power connection	Power lead head fixed, internal wiring
Power switch and over current protection	The 40A press recovery circuit breaker has overcurrent and short-circuit protection.
Sequence controlled output channel quantity	8 pcs compatible power sockets(rear panel)
Without sequence controlled output channel quantity	1 pc compatible power socket ( Front panel )
Max. output current per channel	Audio equipment loading <20A, linear pure resistance loading <10A ( Cannot be used in stage lighting equipments )
Sequence control mode	Power control and online control
Sequence interval	1.5s/step
Sequence independent switch function	Press "Disconnection" can turn off corresponding channel
Power cable	2.5mm <sup>2</sup> Power cable
Working voltage	100V~240V /50~60Hz ±10%
Product Dimension ( mm )	483x178x44.5
Packaging Dimension ( mm )	525x265x110
G.W	3.5kg

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## Product dimension(mm)



**Suitable model:PRO1018A**

The manufacturer reserves the rights to make changes in specification without prior notice.  
The final specification is subject to the user's manual.

[www.famousound.com](http://www.famousound.com)

Manufacturer:Sae Audio Co.,LTD.  
Sae reserves the right to make changes in specifications  
and products without prior notice.  
制造商：蜚声演出器材制造有限公司  
蜚声演出器材制造有限公司版权所有

