OPERATING INSTRUCTION

VK6000

PROFESSIONAL INTELLIGENT

POWER SEQUENCE MANAGEMENT

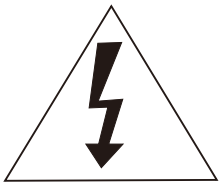


Designed and Manufactured by L AUDIO

* For reference only. If there is any content change, will not have prior notice.



Important safety issues



The following basic precautions should be applied when using this product:

1. Please read all safety precautions before using this product.

2. The product should be grounded, in the event of failure, the current flow through the smallest grounding resistance into the earth, in order to reduce the shock; The power cord is equipped with a safety ground, the power plug should be firmly inserted into the appropriate power base, the power base should be completely according to the local bar to install and ground.

Warnning!

Improper connection of grounding device can cause electric shock;
If you have any questions about whether the product is properly grounded, please ask a qualified electrician or maintenance personnel to check; do not try Privately change the product's power plug, if not suitable for the power outlet, commissioned by qualified electricians to install a suitable power outlet.

3. To reduce the risk of injury, the product should be closely supervised when used near children.

4. Do not use the machine in places with high humidity.

5. The product should be installed in a well-ventilated place.

6. The product must be used away from fire.

7. Care, do not allow debris or liquid into the machine from its crevices.

8. can not often plug connection port, be careful not to damage the port.

9. Can not exceed the module's rated power.

10. The voltage and current in the device parameters must be connected.

11. When there are the following conditions, qualified repair personnel should be commissioned to repair:

A. The power cord or power plug has been damaged;

B. debris or liquid into the machine;

C. product has been rain;

D. The product has fallen or the appearance of serious damage.

12. Do not try to repair the situation without the description described in the manual, you should inform the company in order to entrust Qualified maintenance personnel to repair.

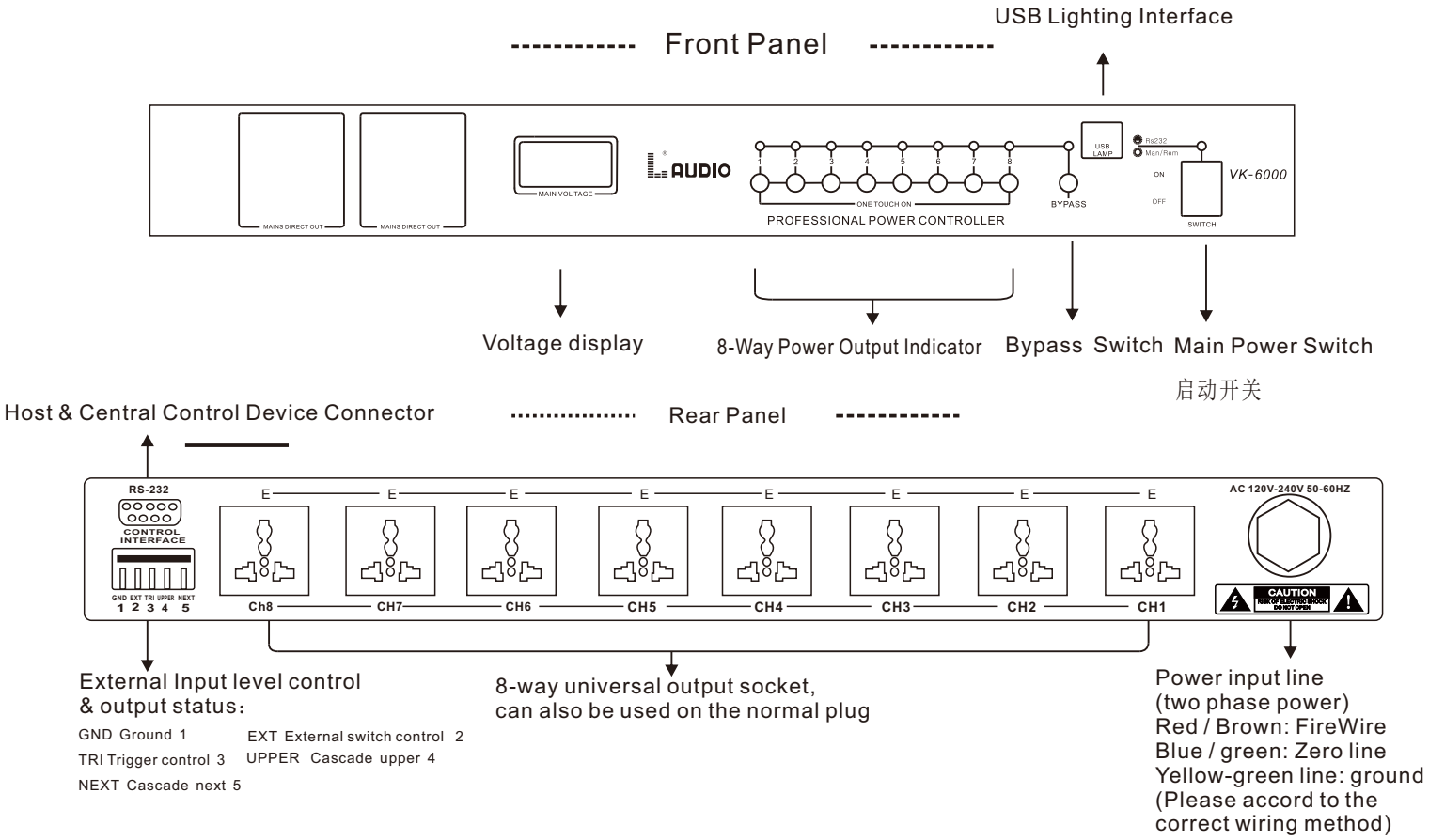
Warming Tips!

If without the company's permission, unauthorized disassembly of the chassis, resulting in any safety issues, the company Not responsible, the company will no longer warranty, please pay attention!

Warming Tips

Please confirm whether you have read the above considerations, so as to avoid a lot of unnecessary misunderstanding, thank you very much again for your nice supports to VAKA PRO!

Product Appearance & Function Introduction



Features:

This machine is an MCU controlled, and real intelligent design of the professional power sequence management system.

- With external level control and standard RS232 serial NC interface.
- 8-channel switch output channel, each delay on and off, the time is 1 second.
- Open control protocol to meet the central controller and PC control requirements, Adapt to various system requirements including professional audio purpose.
- Switch machine: manual control operation and automatic control operation.
- Baud rate 9600.
- Can realize remote centralized control.
- The machine can also replace the remote control of other similar timing machine controller.

Specifications and performance indicators:

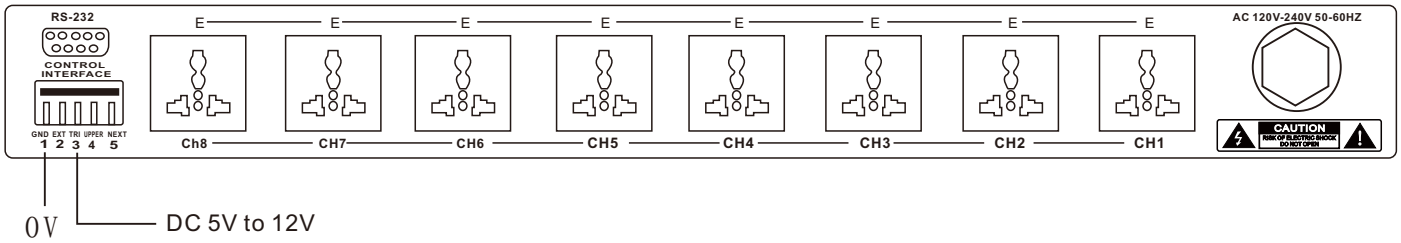
- Rated output voltage: AC 110V / 220V 50 / 60HZ
- Controllable power: 8 outputs
- Delay time for each way: 1 second
- Status display: Mains window
- Input cable: 3 * 6 square
- Single rated output current: 13A
- Rated total output current: 40A to 80A
- Timing functions: None
- Weight: 4.5KG
- Size: 210 * 482 * 55mm

Control connection

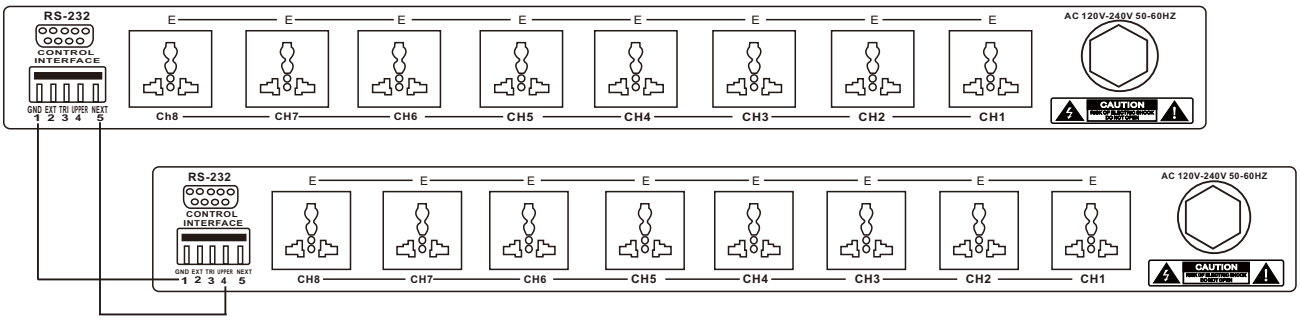
1, Trigger control Through TRI and GND interface, can control the power supply BYPASS open.

GND GROUND 1 TRI Trigger 2

▼ Control input connection:



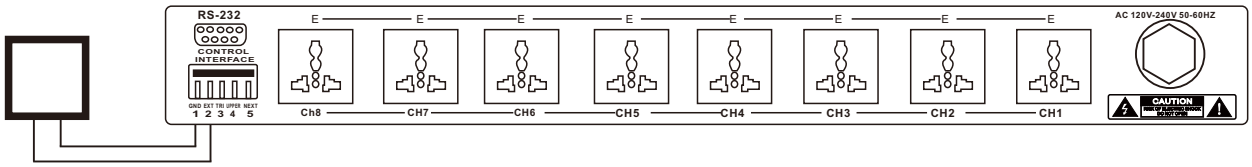
2，Cascade control connection: Utilize UPPER and NEXT interface, can realize simple cascade control



Multi-machine cascade control is particularly suitable for the same system using more than one power supply.

▼ External switch control: foot 1 and foot 2

The machine be widely used for the external switch control, suitable for equipment inconvenient to the operator to touch the occasion, such as: KTV, Restaurants, Cafes, Gyms, Conference Rooms, Function Rooms, Banquet Halls, Stadiums and so on.
At the same time this control method, also applies to the control relay contact control system.



Serial protocol
UART Specification

Baud Rate: 9600 Data Length:8-bit
Stop Bit:1Bit Paritycheck:none Floe Control:None

Message Format

WORD1	WORD2	WORD3	WORD4	WORD5	WORD6
STX	ADDTESS	DATE(1)	DATE(2)	DATE(3)	CLOSE
55H	01H～FFH				AAH

Set the address

WORD2	WORD3	WORD4	WORD5
0x01～0xff	0x0	0x0	0xf2

Example write address 2:55 02 00 00 f2 aa

Note that only one machine can be connected when writing an address, otherwise all machine addresses are set to the same.

Real-time control

WORD2	WORD3	WORD4	WORD5
Address	0x0	xx	yy

yy=F1H means OFF，F0H means ON

xx=CH1=0x01,ch2=0x02,ch3=0x03,ch4=0x04,ch5=0x05,ch6=0x06,ch7=0x07,ch8=0x08

Sequence=0x0d,All=0x10,

Example open the first address of the machine 2: 55 02 00 01 f0 aa

Read status:

WORD2	WORD3	WORD4	WORD5
Address	0x0	0x0	0xfa

Example Read Address 1 The status of the machine: 55 01 00 00 fa aa

Read address:

WORD2	WORD3	WORD4	WORD5
0x0	0x0	0x0	0xfb

Example：55 00 00 00 fb aa

Note that only one machine can be connected when reading an address.

Exit

WORD2	WORD3	WORD4	WORD5
Address	0x0	xx	0xf3

Example: The PC control status of the machine exiting address 1 is exited.

Return status to PC

WORD2	WORD3	WORD4	WORD5
0x0	DATA	0x0	0xf5

Status of DATA ch1~ch8

Example: the first road open return status: 55 00 01 00 f5 aa