



# V Series

## 双通道专业音频功放




# 用户手册




双通道 300W 专业音频功放  
双通道 500W 专业音频功放  
双通道 675W 专业音频功放  
双通道 1000W 专业音频功放

# 重要安全信息

1. 阅读本手册。
2. 保留本手册。
3. 留意所有的警告。
4. 遵守本手册中的所有操作说明。
5. 不要在近水区域使用本产品。
6. 仅用干布清洁擦拭本产品。
7. 不要阻挡任何通风口，并严格按照制造商提供的操作说明进行安装。
8. 不要靠近任何热源安装，比如散热器、电热器、火炉或者其他产生热量的设备（包括功放）。
9. 不要破坏具有安全功效的极性插头或者接地式插头。极性插头有两个插片，一个宽，一个窄。接地式插头有两个插片和一个接地针，其中宽插片或者接地针是用来保障您的安全的。如果所提供的插头不适合您的插座，请咨询联系电工更换适合的插座。
10. 保护电源线。避免电源线被踩踏或者被捻搓。特别注意保护在插头、便捷插座和电源线接出设备处的电源线。
11. 仅使用制造商指定的附件或选件。
12. 仅使用制造商指定的或者随本产品一同出售的载车、支架、三角架、托架或者工作台。在使用推车运输设备时，特别注意推车及设备，避免其翻倒造成伤害。
13. 在有雷电时或者长时间不使用本设备时，请拔掉插头。
14. 所有维修服务必须由有资格的维修人员提供。当设备受到任何形式的损坏时，比如电源线或者插头被损坏，液体或者异物掉入设备，遭受雨淋或受潮，不能正常工作，以及被摔碰等情况，都需要维修。
15. 使用电源插头来断开设备与电源之间的连接。
16. 警告：为了减小起火或者电击的风险，不要让设备遭受雨淋或者受潮。
17. 警告：此设备与电源插座连接时需要接地保护。
18. 不要将设备放置在容易遭受滴漏或者喷洒的地方。例如，不要将装有液体的物品，比如花瓶等放到设备上。
19. 电源线的插头需要保持正常可操作状态。



 为了避免电击，请不要拆卸设备。设备内部无用户可以自行维护的部件。请向有资格的服务人员咨询。

 要完全断开此设备与交流电主线的连接，请把电源线插头从交流电插座中拔出。需要连接电源时，可再次将电源线插头插入交流电插座。

**警告：**注意操作程序、习惯、条件及其它。如果未正确遵行，将导致人员伤亡甚至死亡。

**注意：**注意操作程序、习惯、条件及其它。如果未正确遵行，将导致设备及元部件损坏或损毁。

## 注意这些符号：

-  闪电三角形符号用来提示用户电击的危险。
-  感叹号三角形符号用来提示用户重要的操作或者维护说明。

**CAUTION**  
RISK OF ELECTRIC SHOCK  
DO NOT OPEN

**小心**  
有电击危险  
勿打开



此设备仅按海拔2000m进行安全设计与评估，因此，仅适用于在海拔2000m以下安全使用。在海拔2000m以上使用时，可能有安全隐患。



此设备仅按非热带气候条件进行安全设计与评估，因此，仅适用于在非热带气候条件下安全使用，在热带气候条件下使用时，可能有安全隐患。

## 重要

V系列功放2级输出配线。

## 磁场

**警告！**不要把敏感的高增益设备比如前置放大器或者大型录音机直接放在其上或者其下，因为此功放具有大功率密度，形成强磁场，这种磁场会使靠近的未屏蔽的设备产生嘈杂声。扩音器的上部和下部磁场最强。

如果使用设备架，我们建议把功放放在架的底部，把前置放大器或者其他敏感设备放在架顶。

本产品符合如下标准：

CQC电子产品及其附件：GB 4943.1-2022

产品中有毒有害物质或元素的名称及含量（ROHS）

部件名称	有毒有害物质或元素					
	铅 Pb及其 化合物	汞 Hg及其 化合物	镉 Cd及其 化合物	六价铬 Cr <sup>6+</sup> 及其 化合物	多溴联苯 PBB	多溴二苯醚 PBDE
印制电路板	O	O	O	O	O	O
线材	O	O	O	O	O	O
除印制电路板外的其他电子组件	X	O	O	O	O	O
金属件	X	O	O	O	O	O
包装材料	O	O	O	O	O	O

本表格依据SJ/T 11364-2014的规定编制

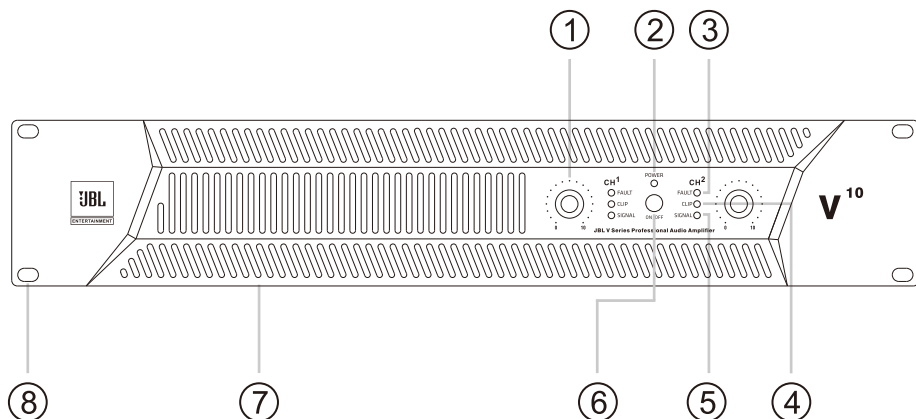
“O”表示该有毒有害物质在该部件所有均质材料中的含量均在GB/T 26572-2011规定的限量要求以下。

“X”表示该有毒有害物质至少在该部件的某一均质材料中的含量超出GB/T 26572-2011规定的限量要求。

根据中国电子行业标准SJ/T 11364-2014和相关的中国政府法规,本产品及其某些内部或外部组件上可能带有环保使用期限标识。取决于组件和组件制造商。产品及其组件上的使用期限标识可能有所不同。组件上的使用期限标识优先于产品上任何与之相冲突的或不同的环保使用期限标识。

## 前面板

V系列前面板的功能介绍,以V10面板为例,功能的介绍,适用于所有型号。

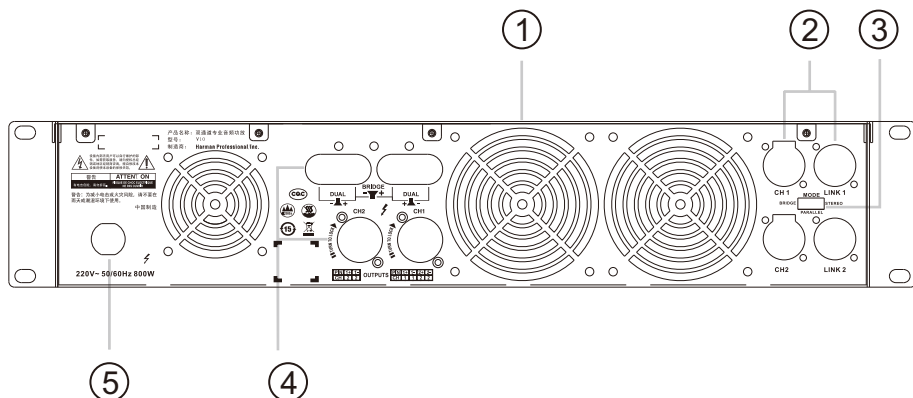


- ① 增益： 设定每个通道的输出电平。
- ② 电源指示灯： POWER 功放接通电源, 开关按下时点亮。
- ③ 故障指示灯： FAULT 当通道出现固障时点亮。
- ④ 削波指示灯： CLIP 当通道的信号出现削波失真时点亮。
- ⑤ 信号指示灯： SIGNAL 当通道输入信号超过-40dBu时点亮。
- ⑥ 电源开关： 按下接通电源, 弹起断开电源。
- ⑦ 格栅： 气流由前往后流动实现通风。
- ⑧ 机架安装孔： 用于安装机柜, 固定功放。



## 后面板

V系列后板的功能介绍,以V10面板为例,功能的介绍,适用于所有型号。



① 风扇：实现由前往后的强制空气对流。

② 信号输入输出接口：



每个通道有一路平衡XLR信号输入接口。



每个通道有一路LINK信号转出接口。

③ 模式开关



立体声(双声道)、并行或桥接。

④ 功放输出接口



每个通道一路Speakon信号输出接口。



每个通道一组接线柱输出接口。

⑤ 电源输入：220V~ 50/60Hz

## 安装

### 将您的功放拆箱

请将包装箱打开并检查运输过程中设备是否出现损坏。如果发现损坏，请立即通知运输公司。只有您可以对运输损坏提出索赔。JBL 乐于按照需提供帮助。保留运输硬纸箱，在托运人检查时，作为认定设备受损的证据。

另外，我们建议您保存所有的包装材料，留待将来运输设备时使用。不要在无工厂包装的情况下运输设备。

您将需要（未提供）：

- 输入线缆
- 输出线缆
- 用于安装功放的机柜，或将功放贴上机脚，摆放在固定和平整的平面上，平面需要保证能承受功放的重量。

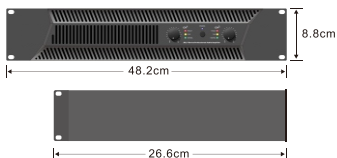


**警告：**在您开始安装功放之前，请确保您已阅读并遵守本手册开始处列出的重要安全说明。

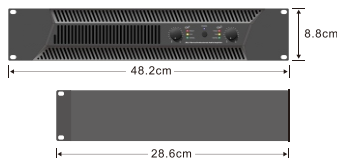


**警告：**开始安装前，确保您已断开功放与电源的连接，将功放电源开关设置到“弹起”（关闭）位置上，并将所有音量调节到最低（逆时针旋转）。

使用一个标准的19 寸（48.2 厘米）设备支架（EIA RS-310B）。具体功放尺寸，如下图所示。



V4 V6机箱尺寸



V8 V10机箱尺寸

**注意：**在运输时，必须在功放的前面和背面提供支撑保护。

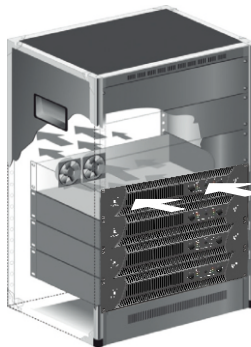
### 磁场



**警告！**不要把敏感的高增益设备比如前置放大器或者大型录音机直接放在其上或者其下，因为此功放具有大功率密度，形成强磁场，这种磁场会使靠近的未屏蔽的设备产生嘈杂声。扩音器的上部和下部磁场最强。

如果使用设备架，应将功放前面板与后面板同时固定于机架，我们建议把敏感设备放在距离功放至少20cm（8英寸）的位置。

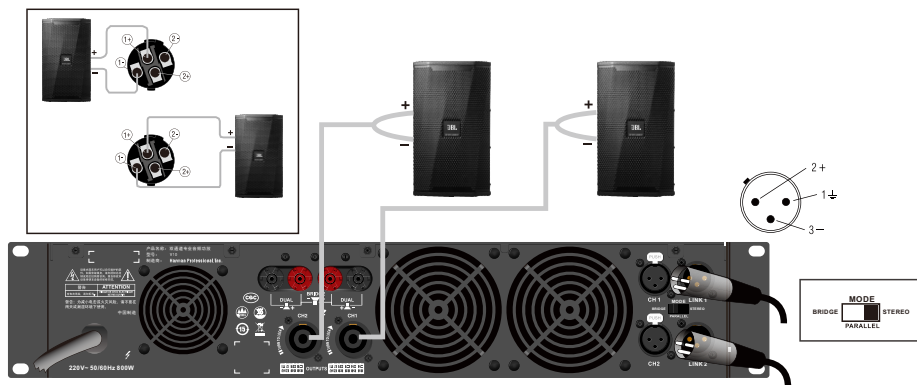
在使用设备支架时，直接将设备安装在支架上。使用空面板将所有开放的空间封闭。不要阻挡前面和后面的通风口。两侧的支架与功放之间至少留出两英寸（5.1 cm）的空间，且背面的支架与功放之间至少留出四英寸（10.2 cm）的空间。



## 线路连接

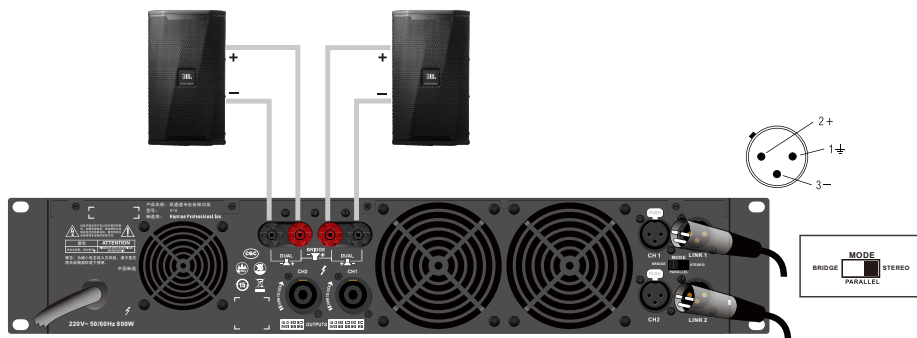
### 使用Speakon®连接器实现立体声（双声道）连接模式

1. 如下图，将后面板上的Output Mode Switch（输出模式开关）设定到STEREO（立体声）位置。
2. 将扬声器连接到如图所示的Speakon®接口。



### 使用接线柱实现立体声（双声道）连接模式

1. 如下图，将后面板上的Output Mode Switch（输出模式开关）设定到STEREO（立体声）位置。
2. 将扬声器连接到如图所示的连接接口。

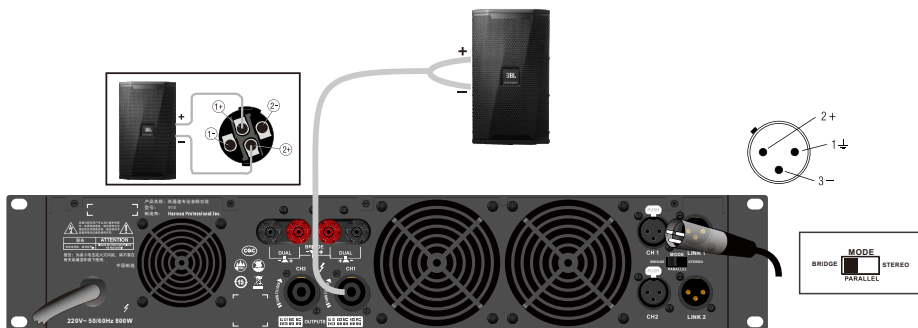


## 线路连接

### 使用Speakon®连接器实现桥接单声道连接模式

使用桥接-单声道模式可让功放输出的功率倍增。

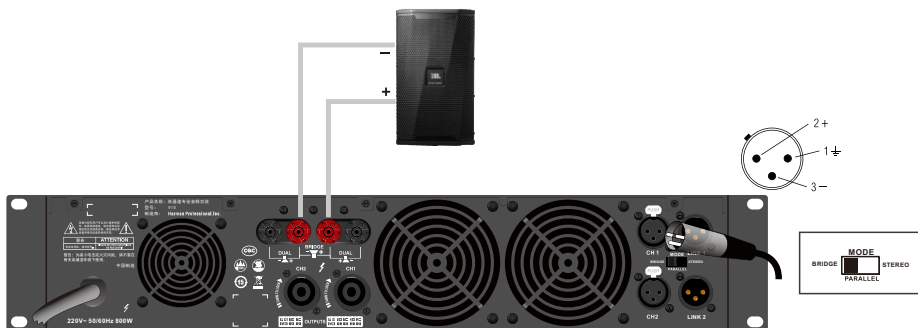
1. 如下图，将后面板上的Output Mode Switch（输出模式开关）设定到BRIDGE（桥接）位置。
2. 将扬声器连接到如图所示的Speakon®接口。
3. 当在桥接单声道模式时，仅有通道1的增益控制可使用。



### 使用接线柱实现桥接-单声道连接模式

使用桥接-单声道模式可让功放输出的功率倍增。

1. 如下图，将后面板上的Output Mode Switch（输出模式开关）设定到BRIDGE（桥接）位置。
2. 将扬声器连接到如图所示的连接接口。
3. 当在桥接-单声道模式时，仅有通道1的增益控制可使用。

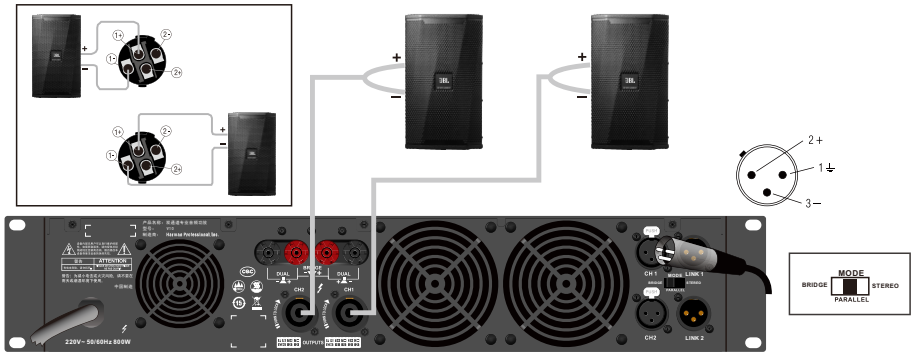


# 线路连接

## 使用Speakon®连接器实现并行连接模式

使用并行模式时，输入的信号均会传送到两路通道，继而从两只扬声器发出。

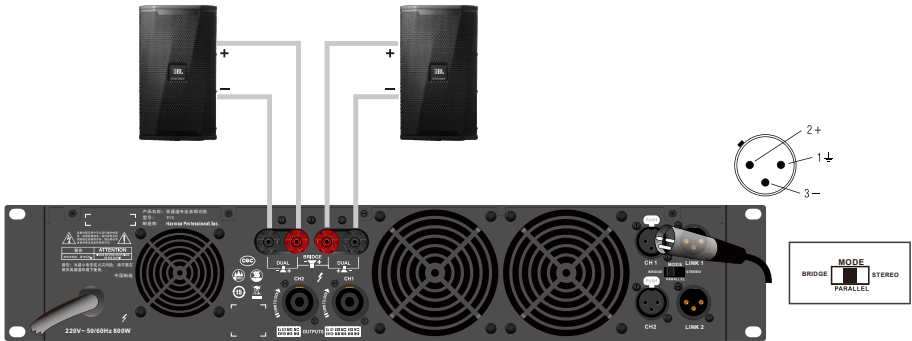
- 1. 如下图，将后面板上的Output Mode Switch（输出模式开关）设定到PARRALLEL（并行）位置。
- 2. 将扬声器连接到如图所示的Speakon®接口。



## 使用接线柱实现并行连接模式

使用并行模式时，输入的信号均会传送到两路通道，继而从两只扬声器发出。

- 1. 如下图，将后面板上的Output Mode Switch（输出模式开关）设定到PARRALLEL（并行）位置。
- 2. 将扬声器连接到如图所示的连接接口。



## 规格

最小保证功率	V4		V6	V8	V10
1 kHz (EIA) with 0.5% THD					
4 ohms stereo (per channel)	380W		640W	860W	1280W
8 ohms stereo (per channel)	300W		500W	675W	1000W
8 ohms bridge mono	760W		1280W	1720W	2560W
性能					
频率响应(1 W)	20Hz - 20kHz, +0/-1dB				
总谐波失真 (THD)	< 0.5%, 20 Hz - 20 kHz				
互调失真(IMD) 60 Hz and 7 kHz at 4:1, from full rated output to -30 dB	< 0.6 %				
转换速率	>10V/us				
电压增益	36dB	38dB		39.5dB	41.6dB
阻尼系数 (8 ohms), 10 Hz - 400 Hz	> 200				
信噪比 (以额定输出功率为参考, 20 Hz to 20 kHz, A计权)	> 100 dB				
串扰 (以额定输出功率为参考) At 1 kHz At 20 kHz	-75 dB -59 dB				
输入灵敏度 (额定功率8 ohms)	0.775V				
输入阻抗(额定) 平衡 非平衡	20k ohms 10k ohms				
连接器、控制键及显示灯					
信号输入输出连接器	每通道一路平衡XLR输入及一路XLR LINK输出				
功放输出连接器	每个通道一路Speakon信号输出接口和一组接线柱输出接口				
前面板控制	电源开关、通道增益旋钮				
后面板控制	输出模式开关: 立体声、并联、桥接				
电源指示灯	蓝色				
信号指示灯	绿色				
削波指示灯	黄色				
故障指示灯	红色				
电源线规格	插头: 10A, 250V 电线:CCC 3x1.0mm <sup>2</sup> x1.5m	插头: 10A, 250V 电线:CCC 3x1.0mm <sup>2</sup> x1.5m	插头: 10A, 250V 电线:CCC 3x1.0mm <sup>2</sup> x1.5m	插头: 10A, 250V 电线:CCC 3x1.5mm <sup>2</sup> x1.5m	
结构					
保护	防止短路、空载、开/关机噪音、无线电干扰保护电路、温度保护				
通风	由前往后的空气对流机制				
冷却	内部空气强排散热, 风扇冷却, 快速调节				
尺寸 (W x H x D)	482x88x238.5mm	482x88x238.5mm	482x88x258.5mm	482x88x258.5mm	
净重	8.5Kg	11Kg	12Kg	15Kg	
包装重量	9.5Kg	12Kg	13Kg	16Kg	

## 保修

**JBL V Series Two-channel Professional Audio Amplifier** 系统的保修期为自原始购买当日起一年。

### 哪些人可以享受质保服务？

原购买者及其后产品的全部所有人都能够享受 JBL 质保服务，条件是：A.) 您的 JBL 产品是在美国本土、夏威夷或阿拉斯加购买的。（本质保不适用于在其他地方购买的 JBL 产品，但不包括军方采购。请其他购买者联系当地 JBL 经销商，以了解与质保有关的信息。）；和 B.) 要求提供质保服务时，必须出示标有日期的购买单据原件。

### JBL 质保服务的覆盖范围

除以下指定情况外，您的 JBL 质保覆盖材料和工艺上的所有缺陷。以下情况不在覆盖范围内：因事故、误用、滥用、改造产品或疏忽大意而造成的损坏；运送过程中造成的损坏；未遵守指引手册规定而造成的损坏；由非 JBL 授权人员进行维修而造成的损坏；基于销售方失实陈述而提出的索赔；序列号污损、被修改或被擦除的任何 JBL 产品。

### 费用承担

在本质保覆盖范围内的所有维修操作所产生的所有人工和材料费用，都将由 JBL 承担。请确保妥善保管原来的装运箱，否则，您将需要为更换其他装运箱而承担相应的费用。有关运费，请参阅下一节内容。

### 如何获得质保服务

如果您的 JBL 产品需要维修，请通过电话或信件联系 JBL Incorporated (收件人：客户服务部)，地址 8500 Balboa Boulevard, P.O.Box 2200, Northridge, California 91329 (818-893-8411)。我们可能会将您转介给获授权的 JBL 服务代理，也可能要求您将购买的产品送返工厂进行维修。不管是哪一种方案，您都需要出示购买单据原件，以便确定购买日期。未获得明确许可前，请勿将您的 JBL 产品送返工厂。如果在送返 JBL 产品时遇到任何不常见的困难，请将详情告诉我们，我们可以为您做特殊安排。否则，您将需要负责处理送返产品以进行维修以及运输安排的各项工作，并支付最初的运输费用。如果维修是在质保覆盖范围内，我们将负责支付将产品送返给您的运费。

### 默示质保限制

所有默示质保，包括适销性和适用性质保，其有效期都仅限于本质保的有效期。

### 不在覆盖范围内的特定损坏

JBL 的责任仅限于按照其判断，对任何缺陷产品作出维修或更换处理，但不包括任何类型的附带或间接损坏。部分州不允许限制默示质保有效期，并且/或者不允许不包括附带或间接损坏，因此，上述限制和排除可能不适用于您的情况。本质保授予您指定的法律权利，但您还可以获得其他权利，具体情况视所在州而定。



**JBL Professional**  
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**Fax: (818) 830-7801**  
**Intl. Fax (818) 830-7802**

如有任何建议与问题  
请访问[www.jblpro.com](http://www.jblpro.com)





# V Series

## Two-channel Professional Audio Amplifier





# User Manual



Two-channel 300 W Professional Audio Amplifier  
Two-channel 500 W Professional Audio Amplifier  
Two-channel 675 W Professional Audio Amplifier  
Two-channel 1000 W Professional Audio Amplifier

# Important Safety Instructions

1. Read these instructions.
2. Keep these instructions.
3. Heed all warnings.
4. Follow all instructions.
5. Do not use this equipment near water.
6. Clean only with a dry cloth.
7. Do not block any ventilation openings. Install in accordance with the manufacturer's instructions.
8. Do not install near any heat sources such as radiators, heat registers, stoves, or other equipment (including power amplifiers) that produce heat.
9. Do not defeat the safety purpose of the polarized or grounding-type plug. A polarized plug has two blades with one wider than the other. A grounding-type plug has two blades and a third grounding prong. The wide blade or the third prong is provided for your safety. If the provided plug does not fit into your outlet, consult an electrician for replacement of the obsolete outlet.
10. Protect the power cord from being walked on or pinched, particularly at plugs, convenience receptacles, and the point where they exit from the equipment.
11. Only use accessories/options specified by the manufacturer.
12. Use only with a cart, stand, tripod, bracket, or table specified by the manufacturer, or sold with the equipment. When a cart is used, exercise caution when moving the cart/equipment combination to avoid injury from tip-over. 
13. Unplug this equipment during lightning storms or when unused for long periods of time.
14. Refer all servicing to qualified service personnel. Servicing is required when the equipment has been damaged in any way, such as power supply cord or plug is damaged, liquid has been spilled or objects have fallen into the equipment, the equipment has been exposed to rain or moisture, does not operate normally, or has been dropped.
15. Use the mains plug to disconnect the equipment from the mains.
16. Warning: To reduce the risk of fire or electric shock, do not expose this equipment to rain or moisture.
17. Warning: This equipment must be grounded when it is connected to a mains outlet. 
18. Do not expose this equipment to dripping or splashing and ensure that no objects filled with liquids, such as vases, are placed on the equipment.
19. The mains plug of the power supply cord shall remain readily operable.



To prevent electric shock, do not disassemble the equipment. No user serviceable parts are inside. Refer servicing to qualified service personnel.



To completely disconnect this equipment from the AC mains, disconnect the power supply cord plug from the AC socket. To connect the equipment to the power supply, insert the power supply cord plug into the AC socket.

**Warning:** Be aware of operating procedures, habits, conditions, and others. If the above is not followed correctly, it will result in personal injury or even death.

**Caution:** Be aware of operating procedures, habits, conditions, and others. If the above is not followed correctly, it will result in damage or destruction of the equipment and components.

## Watch for these symbols:



The lightning bolt triangle is used to alert the user to the risk of electric shock.



The exclamation point triangle is used to alert the user to important operating or maintenance instructions.



This equipment is designed and evaluated under the condition of altitude below 2000 meters above sea level; it can only be used in locations below 2000 meters above sea level. Using the device above 2000 meters could result in a potential safety hazard.



This equipment is designed and evaluated under the condition of non-tropical climate; it can only be used in locations in non-tropical climate areas. Using the device in tropical climate areas could result in a potential safety hazard.

## Important

Level 2 output wiring of V series amplifiers

## Magnetic field

**Warning!** Do not locate sensitive high-gain equipment such as preamplifiers or large recorder directly above or below the equipment. Because this amplifier has a high power density, it has a strong magnetic field which can induce hum into unshielded devices that are located nearby. The magnetic field is strongest just above and below the equipment.

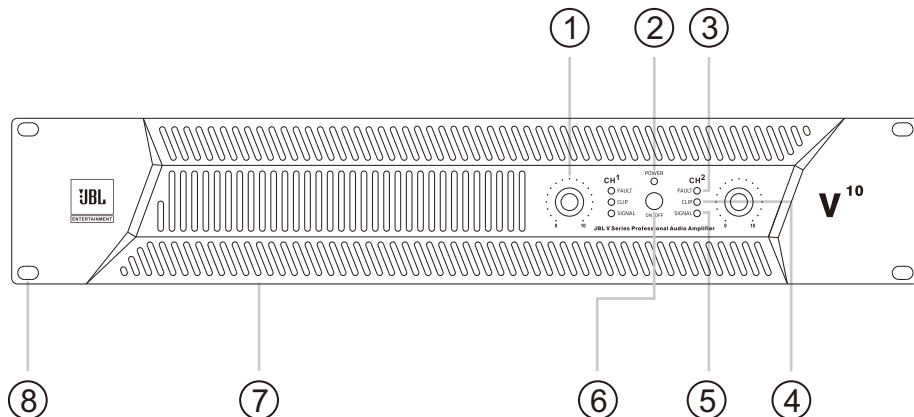
If an equipment rack is used, we recommend locating the power amplifier in the bottom of the rack and the preamplifier or other sensitive equipment at the top.

This product complies with the following standards:

CQC Electronic Products and Accessories: GB 4943.1-2022

## Front panel

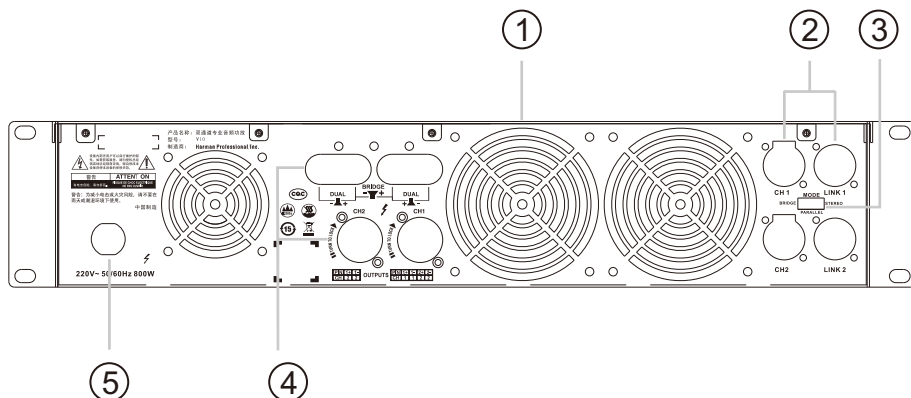
This section describes the functions of the front panel of the V series, taking the V10 model as an example. The function introduction is applicable to all models.



- ① Gain: It is used to set the output level of each channel.
- ② Power indicator: POWER In the power-on state, the power indicator turns on when the switch is pressed.
- ③ Fault indicator: FAULT It turns on when the channel encounters a fault.
- ④ Clipping indicator: CLIP It turns on when the signal of the channel has clipping distortion.
- ⑤ Signal indicator: SIGNAL It turns on when the channel input signal exceeds -40 dBu.
- ⑥ Power switch: Press to turn the power amplifier on and off. The power is on at down position and off at up position.
- ⑦ Grille: Air flows from front to back for ventilation.
- ⑧ Rack mounting hole: It is used for installing the amplifier in rackmount cabinet.

## Rear panel

This section describes the functions of the rear panel of the V series, taking the V10 model as an example. The function introduction is applicable to all models.



① Fan: It achieves forced air convection from front to back.

② Signal input/output interface:



Each channel has an balanced XLR signal input interface.



Each channel has a LINK signal output interface.

③ Mode switch



Stereo (two channels), parallel or bridged.

④ Amplifier output interface



Each channel has a Speakon signal output interface.



Each channel has a set of binding post output interface.

⑤ Power supply: 220 V~, 50/60 Hz

# Installation

## Unpacking

Open the packing box and inspect the equipment for any damage from transportation. If you find any damage, please notify the shipping company immediately. Only you can make a claim for shipping damage. Keep the shipping carton as evidence of damage to the equipment upon inspection by the shipper.

Also, it is recommended to keep all packing materials for future shipping of the equipment. Do not ship the equipment without factory packaging.

You will need to prepare (not provided):

- Input cable
- Output cable
- Rackmount cabinet used to install the amplifier. Alternatively, attach the foot pad to the amplifier and place it on a fixed and flat plane. Ensure that the plane is able to bear the weight of the amplifier.

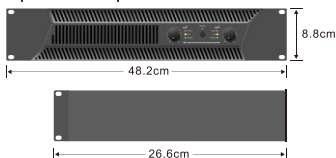


Warning: Before installing the amplifier, ensure that you have read and followed the important safety instructions listed at the beginning of this manual.

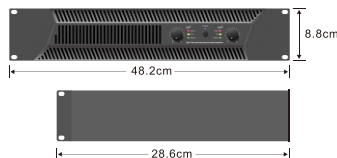


Warning: Before you begin, make sure that the amplifier is disconnected from the power source, the power switch is placed at the up (power-off) position and all level controls are turned completely down (counter-clockwise).

Use a standard 19" (48.2 cm) equipment rack (EIA RS-310B). The following figure shows the specific amplifier dimensions.



V4/V6 cabinet dimensions



V8/V10 cabinet dimensions

Note: During transport, the front and rear of the amplifier must be supported for protection.

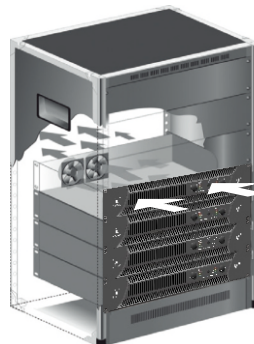
## Magnetic field



Warning! Do not locate sensitive high-gain equipment such as preamplifiers or large recorder directly above or below the equipment. Because this amplifier has a high power density, it has a strong magnetic field which can induce hum into unshielded devices that are located nearby. The magnetic field is strongest just above and below the equipment.

If an equipment rack is used, both the front panel and the rear panel should be fixed to the rack at the same time. It is recommended to place sensitive equipment at least 20 cm (8 inches) away from the amplifier.

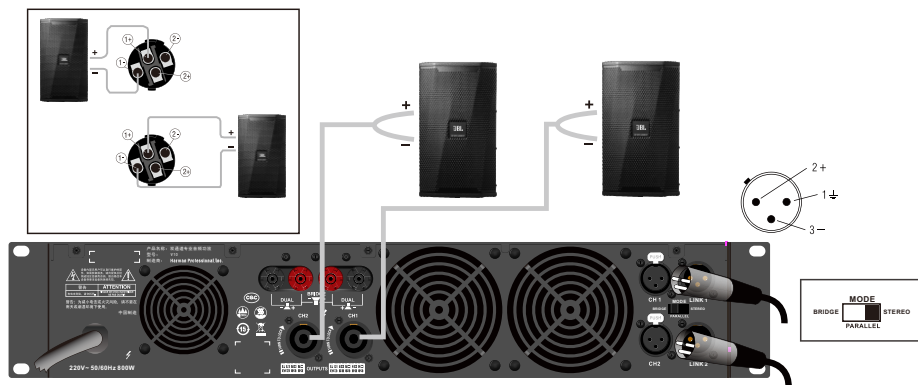
When using an equipment rack, install the equipment directly on the rack. Enclose all open spaces with dummy panels. Do not block the front and rear vents. Reserve at least two inches (5.1 cm) of space between the rack and the amplifier on the sides, and at least four inches (10.2 cm) between the rack and the amplifier on the rear.



# Cable connection

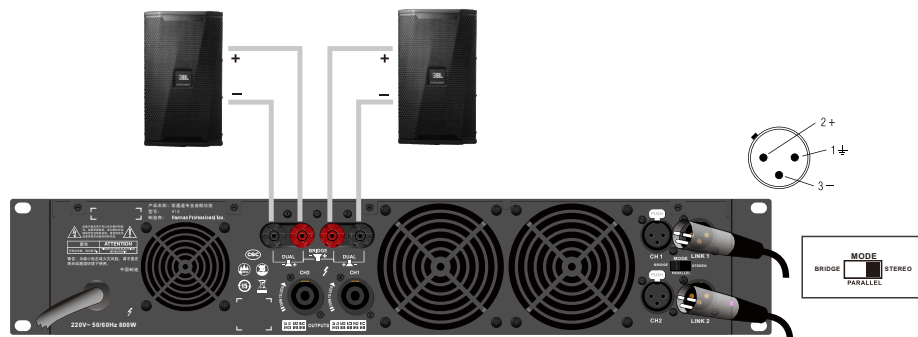
## Using Speakon® for stereo (two-channel) connection

1. As shown in the figure below, set the Output Mode Switch on the rear panel to the STEREO position.
2. Connect the speaker to the Speakon® connector as shown in the figure.



## Using binding post for stereo (two-channel) connection

1. As shown in the figure below, set the Output Mode Switch on the rear panel to the STEREO position.
2. Connect the speaker to the connector as shown in the figure.

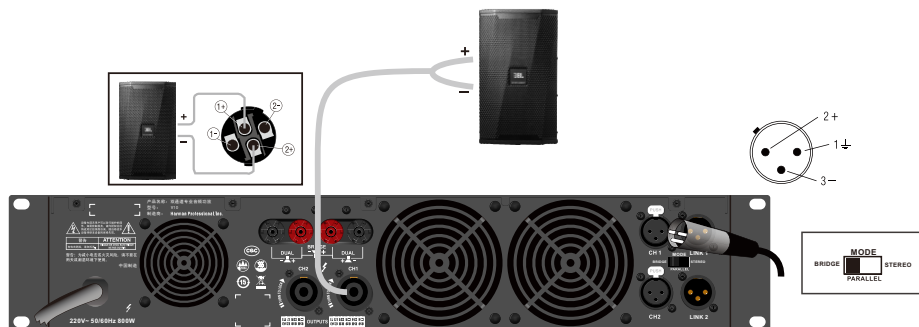


# Cable connection

## Using Speakon® for bridge-mono connection

The bridge-mono mode can double the power output of the amplifier.

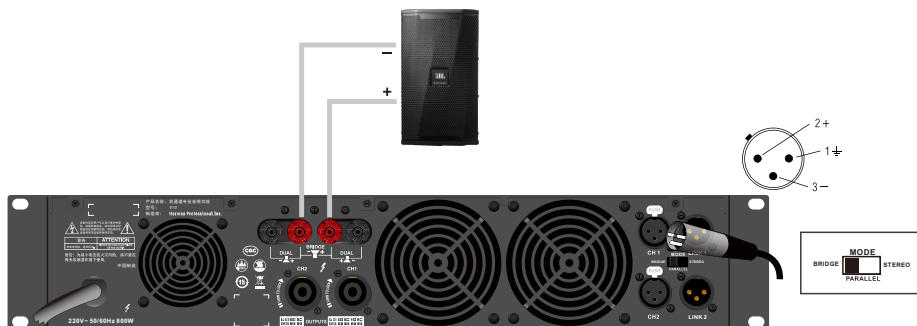
1. As shown in the figure below, set the Output Mode Switch on the rear panel to the BRIDGE position.
2. Connect the speaker to the Speakon® connector as shown in the figure.
3. In bridge-mono mode, only gain control of channel 1 is available.



## Using binding post for bridge-mono connection

The bridge-mono mode can double the power output of the amplifier.

1. As shown in the figure below, set the Output Mode Switch on the rear panel to the BRIDGE position.
2. Connect the speaker to the connector as shown in the figure.
3. In bridge-mono mode, only gain control of channel 1 is available.



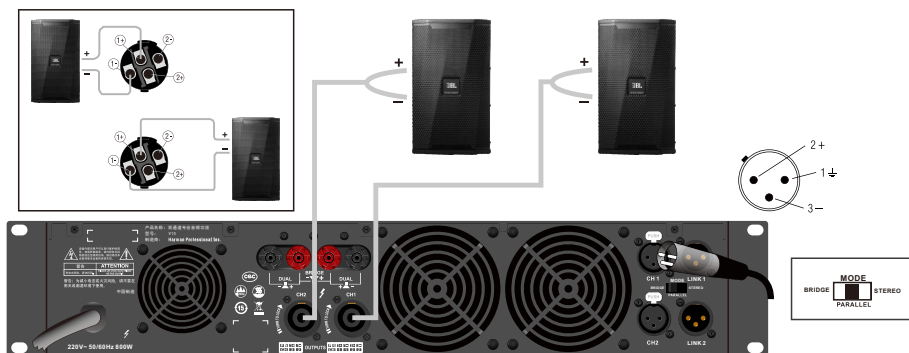


# Cable connection

## Using Speakon® for parallel connection

In parallel mode, input signals will be sent to two channels, and then sent out by two speakers.

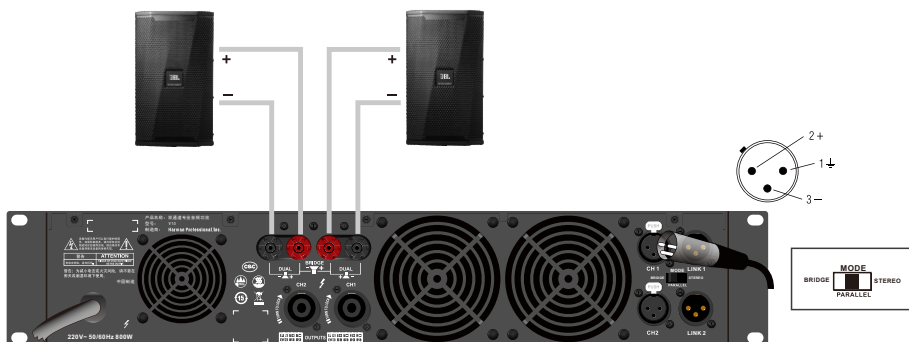
1. As shown in the figure below, set the Output Mode Switch on the rear panel to the PARALLEL position.
2. Connect the speaker to the Speakon® connector as shown in the figure.



## Using the binding post for parallel connection

In parallel mode, input signals will be sent to two channels, and then sent out by two speakers.

1. As shown in the figure below, set the Output Mode Switch on the rear panel to the PARALLEL position.
2. Connect the speaker to the connector as shown in the figure.



## Specifications

Minimum Guaranteed Power	V4	V6	V8	V10
1 kHz (EIA) with 0.5% THD				
4 ohms stereo (per channel)	380 W	640 W	860 W	1280 W
8 ohms stereo (per channel)	300 W	500 W	675 W	1000 W
8 ohms bridge mono	760 W	1280 W	1720 W	2560 W
Performance				
Frequency Response (1 W)	20 Hz to 20 kHz, +0/-1 dB			
Total Harmonic Distortion (THD)	<0.5%, 20 Hz to 20 kHz			
Intermodulation Distortion (IMD) 60 Hz and 7 kHz at 4:1, from full rated output to -30 dB	< 0.6%			
Conversion Rate	>10 V/ $\mu$ s			
Voltage Gain	36 dB	38 dB	39.5 dB	41.6 dB
Damping Coefficient (8 ohms), 10 Hz to 400 Hz	>200			
Signal-to-noise Ratio (referenced to rated output power, 20 Hz to 20 kHz, A-weighted)	>100 dB			
Crosstalk (referenced to rated output power) At 1 kHz At 20 kHz	-75 dB -59 dB			
Input Sensitivity (Rated power at 8 ohms)	0.775 V			
Input Impedance (rated) Balanced Non-balanced	20k ohms 10k ohms			
Connector, Control Key and Indicator				
Signal input/output connector	One balanced XLR input and one XLR LINK output per channel			
Amplifier output connector	One Speakon signal output interface and one set of terminal output interface per channel			
Front panel control	Power switch and channel gain knob			
Rear panel control	Output mode switch: Stereo, Parallel, Bridge			
Power indicator	Blue			
Signal indicator	Green			
Clipping indicator	Yellow			
Fault indicator	Red			
Power cord specifications	Plug: 10 A, 250 V CCC 3 $\times$ 1.0 mm <sup>2</sup> $\times$ 1.5 m	Plug: 10 A, 250 V CCC 3 $\times$ 1.0 mm <sup>2</sup> $\times$ 1.5 m	Plug: 10 A, 250 V CCC 3 $\times$ 1.0 mm <sup>2</sup> $\times$ 1.5 m	Plug: 10 A, 250 V CCC 3 $\times$ 1.5 mm <sup>2</sup> $\times$ 1.5 m
Structure				
Protection	Protection against short circuit, no load, power on/off noise, radio interference and abnormal temperature			
Ventilation	Air convection mechanism from front to back			
Cooling	Strong internal air ventilation and cooling, fan cooling, quick adjustment			
Dimensions (H $\times$ W $\times$ D)	482 $\times$ 88 $\times$ 238.5 mm	482 $\times$ 88 $\times$ 238.5 mm	482 $\times$ 88 $\times$ 258.5 mm	482 $\times$ 88 $\times$ 258.5 mm
Net weight	8.5 kg	11 kg	12 kg	15 kg
Packaging weight	9.5 kg	12 kg	13 kg	16 kg

## Warranty

The warranty of JBL V Series Two-channel Professional Audio Amplifier remains in effect for one years from the date of the first consumer purchase.

### Who Is Protected By This Warranty?

Your JBL Warranty protects the original owner and all subsequent owners so long as: A) Your JBL product has been purchased in the Continental United States, Hawaii or Alaska. (This Warranty does not apply to JBL products purchased elsewhere except for purchases by military outlets. Other purchasers should contact the local JBL distributor for warranty information.); and B.) The original dated bill of sale is presented whenever warranty service is required.

### What Does The JBL Warranty Cover?

Except as specified below, your JBL Warranty covers all defects in material and workmanship. The following are not covered: Damage caused by accident, misuse, abuse, product modification or neglect; damage occurring during shipment; damage resulting from failure to follow instructions contained in your Instruction Manual; damage resulting from the performance of repairs by personnel not authorized by JBL; claims based upon any misrepresentations by the seller; any JBL product on which the serial number has been defaced, modified or removed.

### Who Pays For What?

JBL will pay all labor and material expenses for all repairs covered by this warranty. Please be sure to save the original shipping cartons because a charge will be made if replacement cartons are requested. Payment of shipping charges is discussed in the next section of this warranty

### How To Obtain Warranty Performance?

If your JBL product ever needs service, write or telephone us at JBL Incorporated (Attn: Customer Service Department), 8500 Balboa Boulevard, PO. Box 2200, Northridge, California 91329 (818-893-8411). We may direct you to an authorized JBL Service Agency or ask you to send your JBL product to the factory for repair. Either way, you'll need to present the original bill of sale to establish the date of purchase. Please do not ship your JBL product to the factory without prior authorization. If transportation of your JBL product presents any unusual difficulties, please advise us and we may make special arrangements with you. Otherwise, you are responsible for transporting your product for repair or arranging for its transportation and for payment of any initial shipping charges. However, we will pay the return shipping charges if repairs are covered by the warranty.

### Limitation of Implied Warranties

All implied warranties, including warranties of merchantability and fitness for particular purpose, are limited in duration to the length of this warranty.

### Exclusion of Certain Damages

JBL's liability is limited to the repair or replacement, at our option, of any defective product and shall not include incidental or consequential damages of any kind. Some states do not allow limitations on how long an implied warranty lasts and/or do not allow the exclusion of incidental or consequential damages, so the above limitations and exclusions may not apply to you. This warranty gives you specific legal rights, and you may also have other rights, which vary, from state to state.



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**If you have any suggestions and questions,  
Please visit [www.jblpro.com](http://www.jblpro.com)**