

**KAC-PS847F**  
**KAC-PS847**  
**KAC-PS647**

4/3 CHANNEL POWER AMPLIFIER  
**INSTRUCTION MANUAL**  
4/3 声道功率放大器  
**使用说明书**

Model number & serial number

Dealer & stamp

Purchase date

Name & address of customer

Attention:

This card and receipt (or invoice) are necessary to purchase a new panel in case of theft or damage.

Dear Customer,

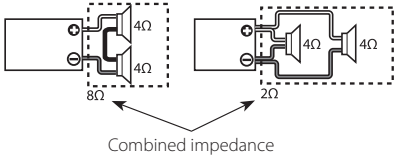
Thank you for purchasing this kenwood product. As mentioned in the pages of this booklet, our warranty is only valid in the countries listed. If your country is not listed please contact your retailer for information on warranty procedure, or write to:

**JVC KENWOOD Customer Information Center**  
3-12, Moriyacho, Kanagawa-ku, Yokohama-shi, Kanagawa 221-0022, Japan

Dear Customer,

Thank you for purchasing this Kenwood product. As mentioned in the pages of this booklet, our warranty is only valid in the countries listed. If your country is not listed please contact your retailer for information on warranty procedure, or write to:

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The warranty does not extend to:

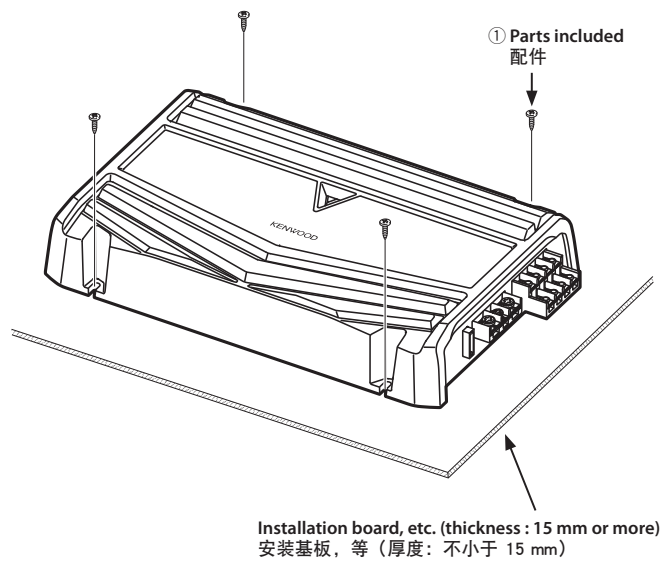
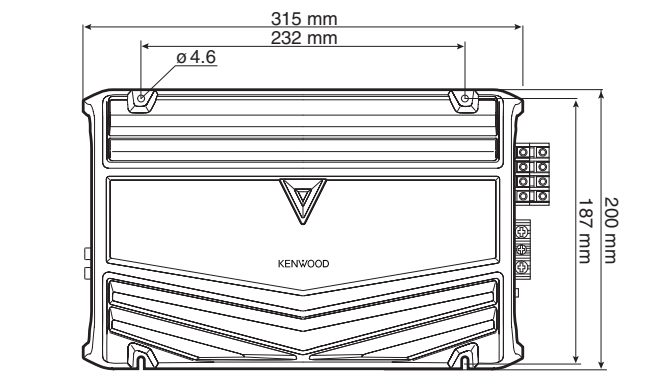
1. Installation and removal charges; or
2. Shipping charges to or from an authorised JVC KENWOOD Service Centre.



## Installation / 安装

### ■ Accessories / 附件

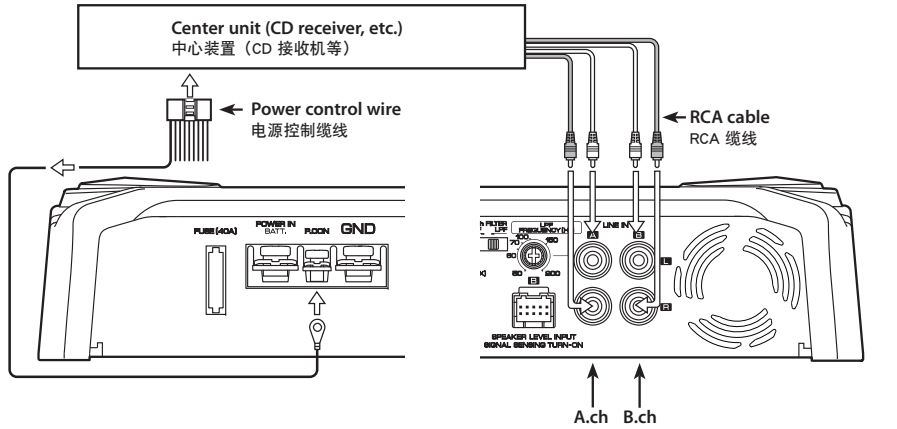
①	 Self-tapping screws / 自攻螺钉	4
②	 Speaker level input cable / 扬声器音量输入电缆	1



## Connection / 连接

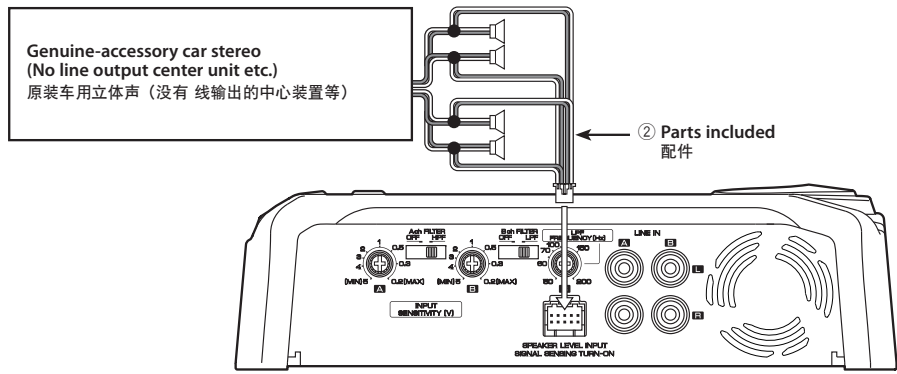
### ■ RCA cable connections

#### ■ 连接RCA 线缆



### ■ Speaker level input connections

#### ■ 连接扬声器电平输入



Cable color of the connector / 接头连接线颜色	
A	A channel Left / A声道左输入
L	A channel Right / A声道右输入
B	B channel Left / B声道左输入
L	B channel Right / B声道右输入

⊕	White / 白色
⊖	White-Black / 白色-黑色
⊕	Gray / 灰色
⊖	Gray-Black / 灰色-黑色
⊕	Green / 绿色
⊖	Green-Black / 绿色-黑色
⊕	Purple / 紫色
⊖	Purple-Black / 紫色-黑色

NOTE

Do not connect cables and leads to both RCA cable input jacks and the speaker level input terminals simultaneously, for this may cause malfunction or damage.

注

不可同时连接线缆和引线到 RCA 线缆输入端子及扬声器输入端子。否则, 将造成误动作 或损坏。

### ■ Installation procedure

Since there are large variety of settings and connections possible according to applications, read the instruction manual well to select the proper setting and connection.

1. Remove the ignition key and disconnect the negative  $\ominus$  terminal of the battery to prevent short circuits
2. Set the unit according to the intended usage.
3. Connect the input and output wires of the units.
4. Connect the speaker wires.
5. Connect the power wire, power control wire and grounding wire following this order.
6. Install the installation fittings in the unit.
7. Attach the unit.
8. Connect the negative  $\ominus$  terminal of the battery.

### ▲ CAUTION

- Do not install in the below locations; (Unstable location, in a location that interferes with driving, in a location that gets wet, in a dusty location, in a place that gets hot, in a place that gets direct sunlight, in a location that gets hit by hot air)
- Do not install the unit under the carpet. Otherwise heat build-up occurs and the unit may be damaged.
- Install this unit in a location which allows heat to easily dissipate. Once installed, do not place any object on top of the unit.
- The surface temperature of the amplifier will become hot during use. Install the amplifier in a place where people, resins, and other substances that are sensitive to heat will not come into contact with it.
- When making a hole under a seat, inside the trunk, or somewhere else in the vehicle, check that there is nothing hazardous on the opposite side such as a gasoline tank, brake pipe, or wiring harness, and be careful not to cause scratches or other damage.
- Do not install near the dashboard, rear tray, or air bag safety parts.
- The installation to the vehicle should securely fasten the unit to a place in which it will not obstruct driving. If the unit comes off due to a shock and hits a person or safety part, it may cause injury or an accident.
- After installing the unit, check to make sure that electrical equipment such as the brake lamps, turn signal lamps and windshield wipers operate normally.

#### KAC-PS847F only

- This unit has cooling fan to decrease the internal temperature. Do not mount the unit in a place where the cooling fan and ducts of the unit are blocked. Blocking these openings will inhibit the cooling of the internal temperature and result in malfunction.

### ■ 安装步骤

根据使用场合的不同, 可能有多种不同的连接及设定方式. 请务必仔细阅读使用说明书, 选择适当的连接和设定.

1. 拔取点火钥匙, 拆掉蓄电池负极 $\ominus$ 端子, 以防短路。
2. 根据使用目的, 设置本机到适当位置。
3. 连接本机的输入和输出线缆。
4. 连接扬声器线缆。
5. 连接电源线、电源控制线缆及地线, 不可违反此顺序。
6. 向本机安装装配部件。
7. 安装本机。
8. 连接蓄电池的负极 $\ominus$ 。

### ▲ 注意

- 不得在下列位置安装:  
(不稳定的位置, 妨碍驾驶车辆的位置, 潮湿的位置, 灰尘较多的位置, 受热的位置, 阳光直射的位置, 热气接触的位置)
- 不可将本装置安装在绒毯底下, 否则, 蓄热会导致本装置损坏。
- 将本装置安装在热量容易发散的地点。  
一旦安装完毕, 不可在其上放置其它物品。
- 机器使用过程中, 机体表面会发热升温。 所以其安装地点应该是人体, 树脂及其它热敏感物质不易触及的地方。
- 在车座, 行李箱底部或车子其它部位打孔时, 应确认其背面有没有会受到损坏的物件, 诸如油箱, 刹车用配管或线路管套等, 千万不可擦伤或损坏这些物品。
- 不可安装在驾驶室仪表板, 尾部底板或安全气囊等部件之上。
- 将本机安装在车内时, 应确保固定牢靠, 且不会对驾车造成妨碍。 如果因为冲击造成本机脱落且撞及人体或保险部件, 就会导致伤害或事故。
- 在本装置安装之后, 应该确认电气设备, 比如刹车灯, 转向信号灯以及雨刷等操作正常。

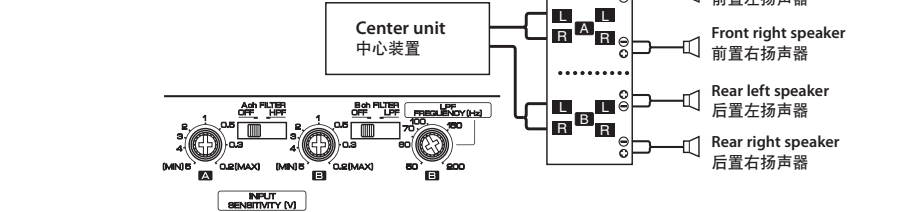
#### 只有 KAC-PS847F

- 本装置设有冷却风扇用来降低内部温度。 请不要安装在遮挡冷却风扇和风管的位置。 堵塞通风孔的后果是内部温度升高, 引起系统故障。

## System examples / 系统配置实例

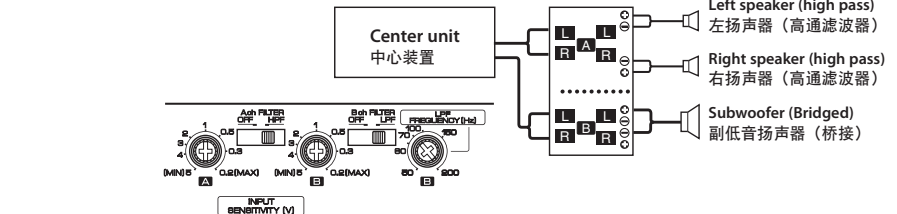
### ■ 4-channel system

#### ■ 4 声道系统



### ■ 2-channel + Subwoofer system


#### ■ 2 声道 + 副低音扬声器系统



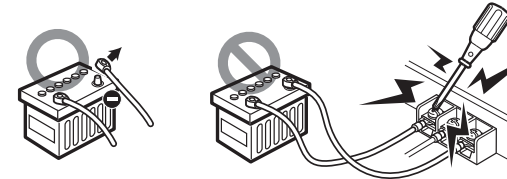
## 产品中有毒有害物质或元素的名称及含量

部件名称	有毒有害物质或元素					
	铅 (Pb)	汞 (Hg)	镉 (Cd)	六价铬 (Cr(VI))	多溴联苯 (PBB)	多溴二苯醚 (PBDE)
安装基板	×	○	○	×	○	○
框架	×	○	○	×	○	○
电缆类	×	○	○	×	○	○
其他 (附件)	×	○	○	×	○	○

○: 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/T26572-2011 标准规定的限量要求以下。  
×: 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/T26572-2011 标准规定的限量要求。

 环保使用期限	此图标表示了中国《电子信息产品污染控制管理办法》规定的环保使用期限。只要用户在使用本产品时遵守注意事项中的各项规定, 从制造日期开始到此图标标出的期限为止 (环保使用期限) 既不会污染环境也不会产生对人体有害的物质。
	· 附件和消耗性零件的环保使用期限如下所示: (不同产品中包含的附件和消耗性零件也不相同。) 电缆类、遥控器、麦克风、天线、蓝牙适配器: 10 年

## Connection / 连接



### ▲ WARNING

Particular attention must be given to making good electrical contact at the amplifier-output and speaker terminals. Poor or loose connections can cause sparking or burning at the terminals because of the very high power that the amplifier can deliver.

### ▲ CAUTION

- If sound is not output normally, immediately turn power off and check connections.
- Be sure to turn the power off before changing the setting of any switch.
- If the fuse blows, check wires for shorts, then replace the fuse with one of the same rating.
- Check that no unconnected wires or connectors are touching the car body. Do not remove caps from unconnected wires or connectors to prevent short circuits.
- Connect the speaker wires to appropriate speaker connectors separately. Sharing the negative wire of the speaker or grounding speaker wires to the metal body of the car can cause this unit to fail.
- After installation, check that the brake lamps, turn signal lamps and windshield wipers work properly.

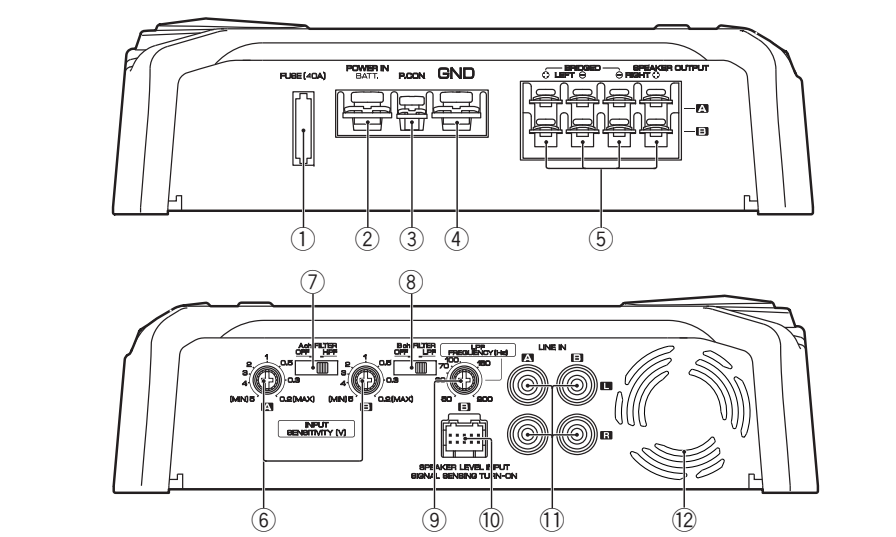
### ▲ 警告

要特别注意放大器的输出口和扬声器端子处有良好的电气接触。因为放大器要发出非常高的功率, 松弛或不良的连接可能在端子处产生火花甚至燃烧。

### ▲ 注意

- 如果声音输出不正常, 应立即关闭电源并检查连接是否正确。
- 在变更开关的设定时, 必须首先切断电源。
- 当保险丝熔断后, 要检查线缆是否有短路, 并更换上相同规格的保险丝。
- 检查是否有尚未连接的线缆或与车体相接触的端头。未连接线缆及其端部的保护帽不可拆掉, 以防短路。
- 扬声器的线缆要分别连接到各自的端子。共用扬声器的负极线缆或将扬声器端子接地到汽车的金属部分, 都会导致本机停止工作。
- 安装之后, 请检查汽车的刹车灯、方向指示灯、雨刷等是否正常工作。

## Controls / 控制



This is a 4 channel amplifier including 2 stereo amplifiers in a body. One amplifier is referred to as amplifier A and the other is amplifier B. This unit is compatible with a large variety of systems by combining the switches and functions described in the following.

#### ① Fuse

KAC-PS847F/PS847: 40 A

KAC-PS647: 30 A

#### NOTE

If you can't find the specified capacity fuse at your store etc, consult your Kenwood dealer.

#### ② Battery terminal (POWER IN BATT.)

Controls the unit ON/OFF.

#### NOTE

Controls the unit power. Be sure to connect it with all the systems.

#### ④ Ground terminal (GND)

#### ⑤ SPEAKER OUTPUT terminals (A.ch/B.ch)

#### ⑥ Stereo connections:

When you wish to use the unit as a stereo amplifier, stereo connections are used. The speakers to be connected should have an impedance of 2Ω or greater. When multiple speakers are to be connected, ensure that the combined impedance is 2Ω or greater for each channel.

#### ⑦ Bridged connections:

When you wish to use the unit as a high-output amplifier, bridged connections are used. (Make connections to the LEFT channel  $\oplus$  and the RIGHT channel  $\ominus$  SPEAKER OUTPUT terminals) The speakers to be connected should have an impedance of 4Ω or greater. When multiple speakers are to be connected, ensure that the combined impedance is 4Ω or greater.

#### ⑥ INPUT SENSITIVITY control (A.ch/B.ch)

Set this control according to the pre-output level of the center unit connected with this unit.

#### NOTE

For the pre-output level, refer to the <Specifications> in the instruction manual of the center unit.

#### ⑦ FILTER switch (A.ch)

This switch allow filtering of the speaker output signals.

#### ⑧ HPF (High-Pass Filter) position:

Only frequencies of 80 Hz or higher are output. (Frequencies below 80 Hz are cut.)

#### ⑨ LPF FREQUENCY control (B.ch)

The entire bandwidth is output without filtering.

#### ⑩ FILTER switch (B.ch)

The filter outputs the band of lower frequencies than the frequency set with the "LPF FREQUENCY" control.

#### ⑪ LPF (Low-Pass Filter) position:

The filter outputs the band of lower frequencies than the frequency set with the "LPF FREQUENCY" control.

#### ⑫ OFF position:

The entire bandwidth is output without filtering.

#### ⑬ SPEAKER LEVEL INPUT terminal

The output from the genuine-accessory car stereo up to 50W can be input. The power is turned on and off as the unit detects input signal (SIGNAL SENSING TURN-ON). Therefore it is not necessary to connect the power control wire.

#### ⑭ LINE IN terminal (A.ch/B.ch)

#### ⑮ Cooling fan (KAC-PS847F only)

#### ⑯ Power indicator

When the power is turned on, the Power indicator lights.

Remove the ignition key and disconnect the negative  $\ominus$  terminal of the battery to prevent short circuits.

拔取点火钥匙, 拆掉蓄电池负极 $\ominus$ 端子, 以防短路。

