



**C系列**  
**惠威车用扬声器系统**  
**产品说明书**



## 前言

感谢阁下选用惠威设计的产品。

惠威源自中国，名誉世界。

1991年，惠威成立。目前已成为世界高级音响制造公司，并以各类电声产品享誉业界。

1997年，惠威收购了拥有多年高级音响生产经验的美国Swans音响公司，原公司总裁及电声设计师Frank Hale先生成为惠威首席设计师。

惠威产品覆盖Hi-Fi高保真、家庭影院、多媒体有源音响、功率放大器、互联网云音响、高保真耳机、汽车音响、专业音响、智能广播、会议系统和扬声器单元制造等多个领域。

惠威的工程师们有着丰富的电声实践经验，研发的各系列产品源于工程师们对电声换能的深刻理解。

惠威拥有各类尖端的电声研发软硬件设施，包括两座国际电声界超大型截止频率分别低至50Hz和60Hz的专业电声消声室，这是研发电声产品及技术开发重要的专业设施，通过这些宝贵的研发资源，惠威的工程师们能够不断挑战声音重放系统的各种极限。

作为Hi-End高级音响制造商，惠威在国际上获得如此评价：惠威以先进的电声科技结合中国精密工业制造，产品拥有卓越的声音品质与性价比。

您所选用的产品均为由惠威设计的高品质产品。惠威希望给您带来优美的音乐感受，这是我们的美好愿望。

惠威致力于追求尽善尽美的声音重放，正如惠威的企业理念：

**Hear the difference**

惠威-专注声音品质

请阁下在使用前仔细阅读产品说明书，这将有助于您更好地对产品进行使用及保养维护。更多资讯请点击 [www.hivi.com](http://www.hivi.com) 前往官网查看。



## HI-END CAR LOUDSPEAKER SYSTEM



CF240II



CF250II



CF269II



C1900II



CF260II



C2000II

Welcome you to purchase the Swans car loudspeaker systems. Swans writes this manual, in order to make it easy for you to install and operate. Please read this manual carefully and understand installing procedure and notice clearly before installation. According to different system types, you need adopt different installing methods.

Although this manual instructs the ways for installation, it has no any information about automobile dismantling or assembling! If you have no experience on this aspect, please do not install by yourself, you can consult an experienced automobile service center on this matter.

Please notice specially your automobile must be placed in flameout state!



By virtue of the aggression and innovation, HiVi has become the pursuing sign of the futuristic technologic theory. HiVi car audio products have always been trusted and concerned by the peers and customers.

HiVi has maintained its products in high-definition, low distortion, and other styles. whether the well-known D series of high-end products or the common loudspeaker systems with competitive prices. The maintained soul has fully reflected the comprehensive strengths of HiVi factories to producing, developing and researching. Faced with the complicated market competition, we continue to use technology in our products and add value to them continuously in order to meet the needs of our customers. Upholding the HI-END ideas of HiVi , with merit of the accurate sound, rounded tamber, wide sound field, along with no reservations about the details refection, can make you feel the real music.

This series have 4 kinds of styles on Coaxial System, and 2 on Component System. All cones, the tweeter and woofer units, are used polypropylene material to be shaped. Owing the physical characteristics of polymers, it also adopts a high-loss of fatigue-resistant rubber surround, and the waterproof and moisture-proof design. Moreover, high-performance magnetic ferrite magnet circuit supply powerful drives force to the high sound pressure, which can give you full requency and vigorous and stylish bass.

Tweeter units all employ high performance neodymium-iron-boron and three way magnet circuits, with high density of magnet flux, also the natural faric high damp silk membrane; these make broad and straight frequency, better definition, better transient response, exquisite and natural tamber. High-power low-mass CCAW voice coil with refrigerant Ferrosound liquid magnet, enhance endurance of the power!

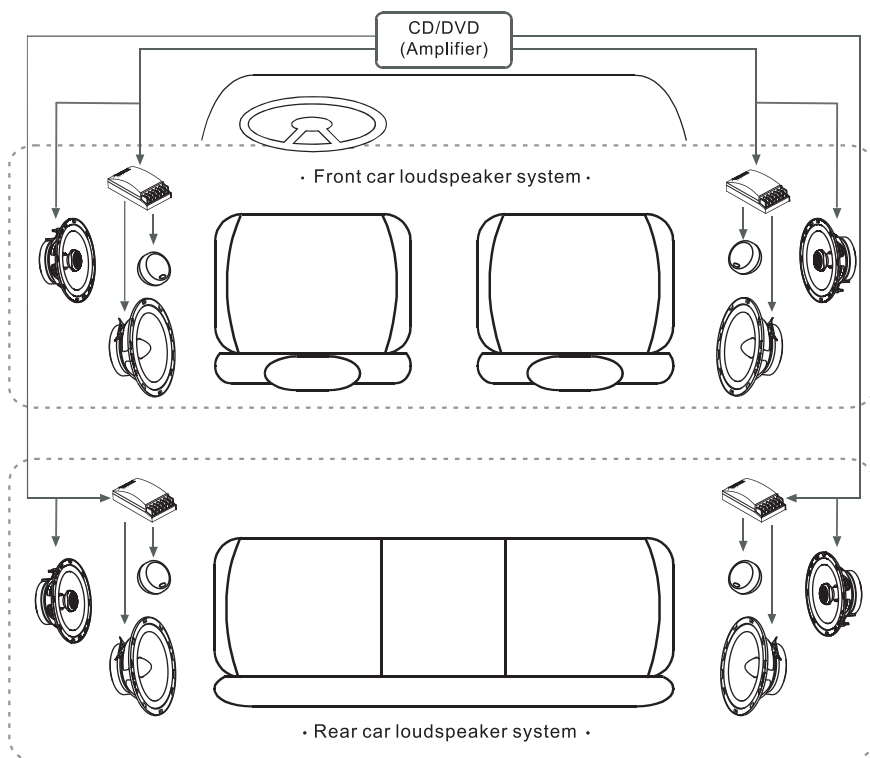
Coaxial system with tweeter and woofer units as whole, strict configuration, this facility client's equipment, component system adopt independent crossover. accurately focus on the sound, natural fluent connection between tweeter and woofer. The tweeter unit can be circumrotated with 30 degree incline, which will make listener hear truly and perfect voice from special radiation area. Three different ways to equip, develop the facility of mounting whole hog, and can change the back and front ornament of tweeter as users' like!





## Circuit Diagram

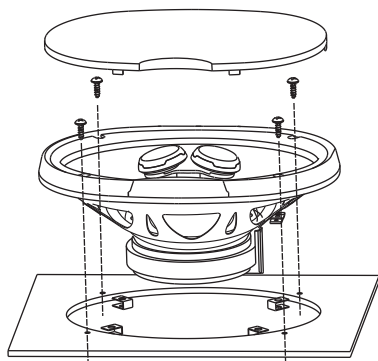
Please connect according to the following circuit diagram



## The Installation of woofer

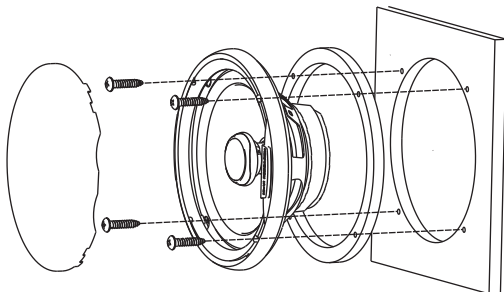
### The first installing method (Cf269 II)

1. Stick gasket to the installing position of driver if needed.
2. Chisel the driver bore and screw bores in the selected position according to the mould.
3. Install iron clamp at the position of installation bore.
4. Move off the net of decorative grille, the screw drills through the plastics circle of decorative grille, and lockup drivers through mounting hole of driver.
5. Set the net on drivers as following Figure.



### The second installing method (Cf260 II, CF250 II, Cf240 II, C2000 II, C1900 II)

1. Stick gasket to the setting place of driver if needed.
2. Move off the net of decorative grille, the screw drills through the plastics circle of decorative grille, and lockup drivers through mounting hole of driver.
3. Add a gasket to the installing position of drivers to increase the mounting depth while mounting depth is not enough.
4. Set the net on drivers as following Figure.





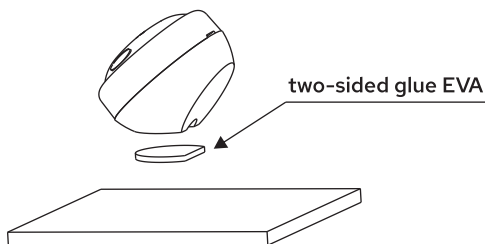
## The Installation of Tweeter(CST225C)

### The first installing method :

If you do not want to change the structure of the original car, install tweeter in the front of instrument panel or on the side of car door. This kind of method is available.

1. Using semicircular two-sided glue EVA, wipe off a protection paper, then, stick it to the installing position of tweeter.(See figure)
2. Wipe off another protection paper of the same EVA, then, stick driver to the selected position.
3. Adjust the direction of drivers so that the sound performance reaches the best result.

**Notice:** The advantage of this kind of installing method is that it won't change the structure of original car at all. While its disadvantage is it can't fix tweeter stably.

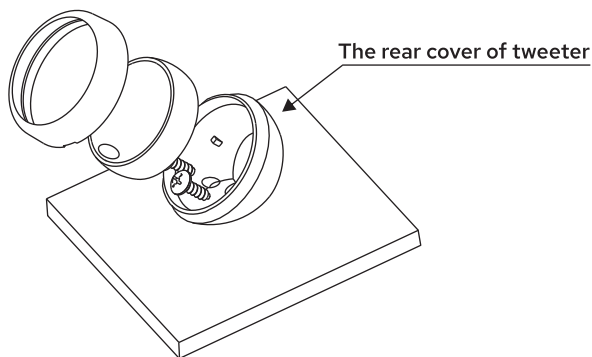


### The second installing method:

If you want to install tweeter in the front of instrument panel or on the side of car door stably, go like this way:

1. Firstly, open the front face of tweeter by screwdriver.
2. Cut screws through rear cover and mounting plate as below figure to fix the rear cover of tweeter to the selected position.
3. Pack drivers into inside rear cover, and press front grille tightly.
4. Adjust the direction of drivers so that the sound performance reaches the best result.

**Notice:** While adopting this kind of installing method, screws are needed to be put into the car, so confirm the installing position of tweeter before mounting.



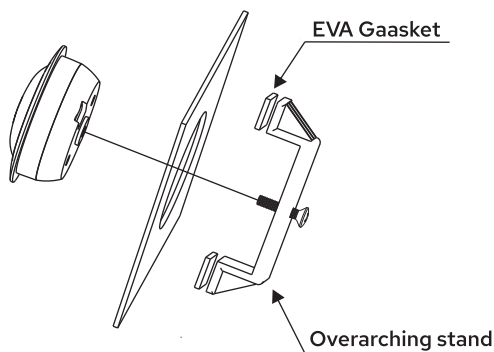


### The third install method:

If need to install tweeter into the car door or other perdue position, the following method is available.

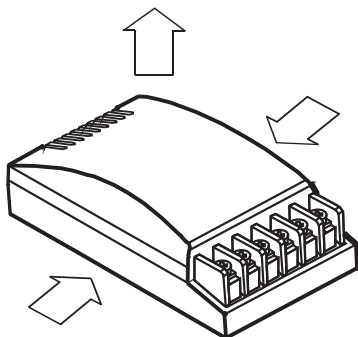
1. Cut a round hole (50mm) at the selected position.
2. Change the narrow surround of the front face of tweeter into wide surround front face, then, it will sink into the round hole.
3. At the back of mounting plate, cut screws through the vaulted mounting shelf of tweeter to fix drivers stably.
4. If the mounting plate is relatively thinner, you can stick a one-sided glueEVA(3mm) to the foot of mounting shelf.

**Notice:** This method also need to cut holes on the car, therefore, confirm the installing position of tweeter before mounting.



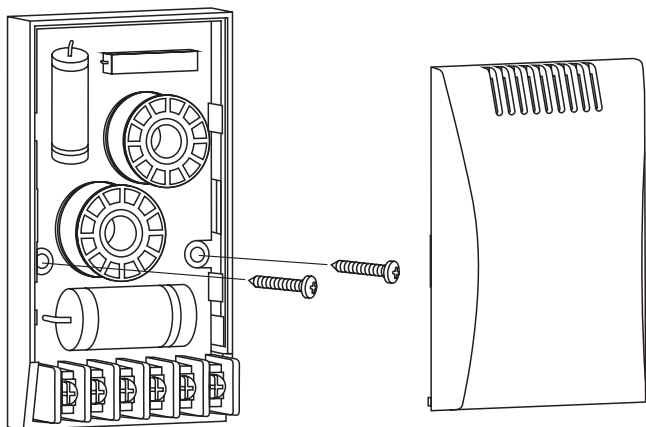
### Installation of crossover

1. Open the enclosure of the crossover, and exert and press towards both sides, then raise it upwards.



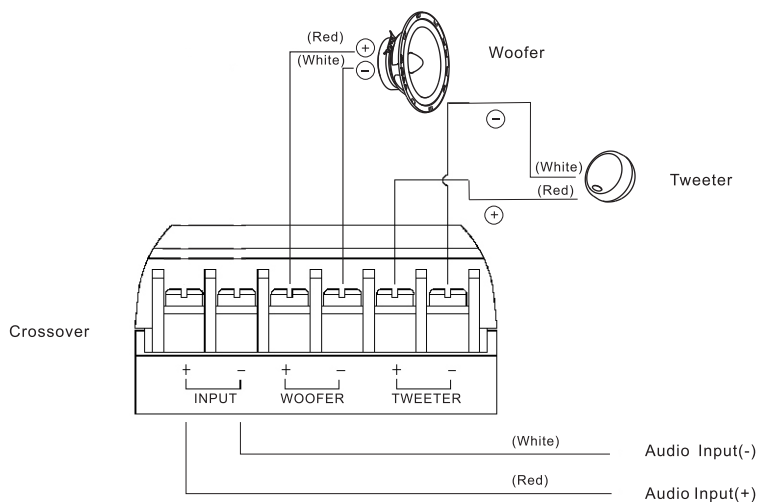


2. Install the crossover on the car door or other places.



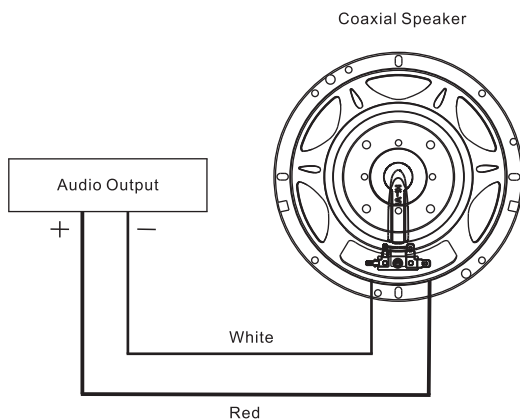
## Connection

1. The connecting sketch map of crossover to tweeter, bass.



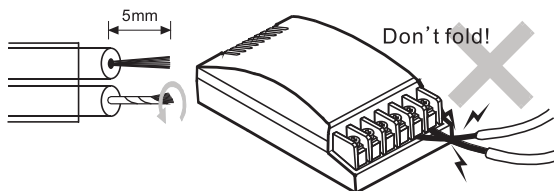


## 2. The connecting sketch map of Coaxial Speaker.



### Notice

1. Remove wire insulator (about 5mm).
2. Wrest wire core tightly.
3. In order to protect circuit, avoid not to cause short circuit between the anode (+) and cathode(-) cables of loudspeaker.





## Specifications

Model	CF240II	CF250II	CF260II	CF269II
Diameter	4"Coaxial	5.25"Coaxial	6.5"Coaxial	6"x9"Coaxial
Mid/Woofer	4"Mid/Woofer	5.25"Mid/Woofer	6.5"Mid/Woofer	6"x9"Mid/Woofer
Tweeter	3/4"Soft Dome Tweeter	3/4"Soft Dome Tweeter	3/4"Soft Dome Tweeter	3/4"x2 Soft Dome Tweeter
Sensitivity	87dB	88dB	90dB	90dB
Frequency Response	85-23K	60-23K	45-23K	45-23K
Max Power Handling	90W	120W	150W	180W
Nominal Power Handling	30W	40W	50W	60W
Nominal Impedance	4ohms	4ohms	4ohms	4ohms
Installation Dimensions	Φ117	Φ138	Φ156.5	166.5x119.5
Cut Out Size	Φ95	Φ116	Φ144	153x214
Mounting Depth	>55	>62	>65	>81
Grille Dimensions	Φ141.5x20	Φ158x22	Φ172.5x22	252x179x29

Model	C1900II	C2000II
Driver Complement	5.25"+1"	6.5"+1"
Mid/Woofer	5.25"Mid/Woofer	6.5"Mid/Woofer
Tweeter	1"Soft Dome Tweeter	1"Soft Dome Tweeter
Sensitivity	88dB	90dB
Frequency Response	60-23K	50-23K
Max Power Handling	120W	150W
Nominal Power Handling	40W	50W
Nominal Impedance	4Ω	4Ω
Installation Dimensions	Φ138	Φ156.5
Cut Out Size	Φ116	Φ144
Mounting Depth	>62	>65
Grille Dimensions	Φ158x22	Φ172.5x22
Crossover Point	2.6KHz	2.6KHz
High-Pass Attenuation Slope	-12dB/Octave	-12dB/Octave
Low-Pass Attenuation Slope	-12dB/Octave	-12dB/Octave



## Name and content of harmful substances in the product



This icon means: This product may contain certain hazardous substances (as shown in the table below). It can be used with confidence within the environmental protection use period. After the environmental protection use period is exceeded, it should enter the recycling system. This mark refers to the environmental protection use period of ten years (from the date of manufacture)

Part	Hazardous					
	Pb	Hg	Cd	Cr(VI)	PBB	PBDE
cable	X	O	O	O	O	O
Metal	O	O	O	O	O	O
Plastic	O	O	O	O	O	O
PCB	X	O	O	O	O	O
Transformer	O	O	O	O	O	O
Speaker	O	O	O	O	O	O
Packaging	O	O	O	O	O	O





## 惠威车用扬声器系统

HI-END CAR LOUDSPEAKER SYSTEM



CF240II



CF250II



CF269II



C1900II



CF260II



C2000II

欢迎您选购惠威车用扬声器系统。为了便于您的安装及使用，我们编写本手册。请务必在安装之前，仔细阅读并清楚了解安装程序及注意事项。依据不同型号的扬声器系统，采用不同的安装方式。

虽然这本手册说明了安装的方式，但是对于汽车拆装并没有作说明。假如您没有此方面的经验，请不要自行安装，您可以去有经验的汽车服务处进行咨询。

**请特别注意您的汽车处于熄火状态！**



惠威凭借不断进取与创新，已经成为未来科技理念追求标志。惠威汽车音响产品深受同行、客户一贯的信赖和关注，每一款产品的面世，都保持惠威所具有的高清晰度、低失真等风格，无论是此匹风云的D系列高端产品，或者是价格相当诱惑的普通扬声器系统都是如此，这一灵魂的保持，充分体现惠威集团所具有的生产，研发等综合实力，面对纷繁复杂的市场竞争，我们不断在产品中运用科技手段，给产品不断增值，满足市场用户的需求，秉承惠威一贯的HI-END理念，声音准确、音色圆润、声场宽阔，加上毫无保留的细节重现，让您感受真正的音乐。

该系列共有4款Coaxial System及2款Component System。所有中低音单元的振盘均采用聚丙烯Polypropylene材质注射成型，她有着高分子聚合物的物理特性，还采用了高损耗耐疲劳橡胶折环，防水防潮设计，加上高性能铁氧体磁路为高声压输出提供了强大的动力，可以真实地重现清晰的全音频和浑厚的重低音。

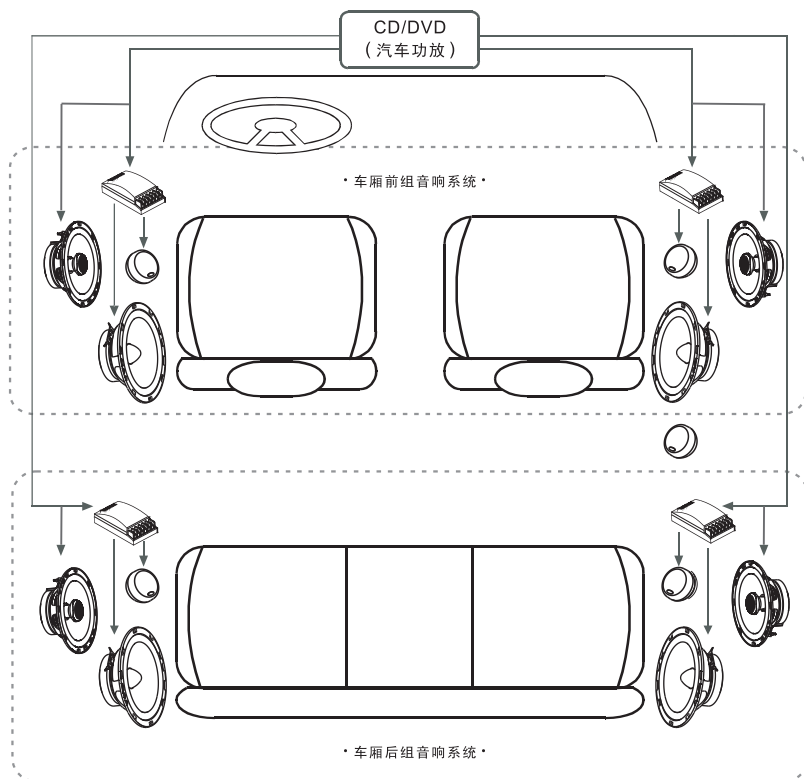
高音单元均采用高性能铂铁硼三文治磁路，磁通密度高，天然纤维高阻尼丝质球顶振膜，频率响应宽广平直，清晰度高，瞬态响应好，音色细腻自然，大功率质量轻CCA W音圈配以Ferro sound液磁冷却，极大提高了功率承受能力。

Coaxial system高低音单元一体化，结构紧凑，极大地方便了用户的安装，Component System采用独立的分音器，音像聚焦准确，高低音衔接平滑自然，其高音头可以做倾斜30°的全旋转，这个功能可以让听音者在其特定辐射区域内享受到高保真和自然的声音，还用了三种不同的安装方式，很大程度的扩展了安装的便利性，并且可以根据用户的喜好更换高音前后外饰。



## 一、线路图

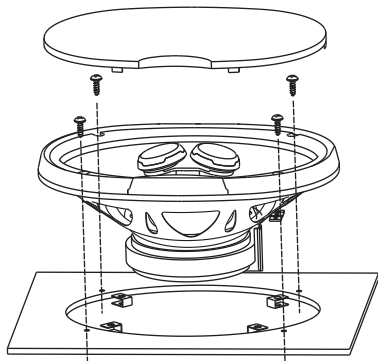
请按照以下线路图连接：



## 二、低音喇叭安装

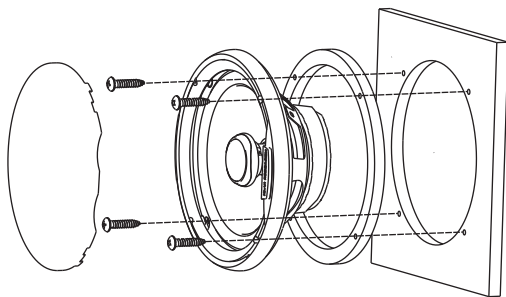
### 安装方式一（CF269II）：

1. 依实际需要将密封垫片粘于喇叭的安装位。
2. 依开孔模板在选定的位置开喇叭孔及螺丝安装孔。
3. 在安装孔位置安装铁夹。
4. 将装饰网的网拆除，螺丝穿过装饰网塑料件及喇叭安装孔将喇叭锁紧。
5. 将网按图示装于喇叭上。



### 安装方式二（CF260II、CF250II、CF240II、C2000II、C1900II）：

1. 依实际需要将密封垫片粘于喇叭的安装位。
2. 将装饰网的网拆除。螺丝穿过装饰网塑料件及喇叭安装孔将喇叭锁紧。
3. 当安装深度不够时，可以在喇叭的安装位加一垫圈以增加安装深度。
4. 将网按图示装于喇叭上。



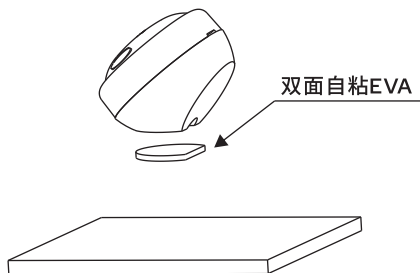
### 三、高音喇叭安装 (CST225C)

#### 安装方式一：

如不想改变车的结构，将高音安装在仪表盘前方或车门边，可以采用此种方式：

1. 取半圆形双面自粘EVA，去除一面保护纸后将它粘在高音喇叭的安装位（如图）。
2. 将自粘EVA的另一面保护纸去除，然后将喇叭粘在选定的位置。
3. 调整喇叭方向，以便达到理想的听音效果。

注：此种方式优点在于可以完全不对车进行改变；缺点是不能很牢固地固定高音。

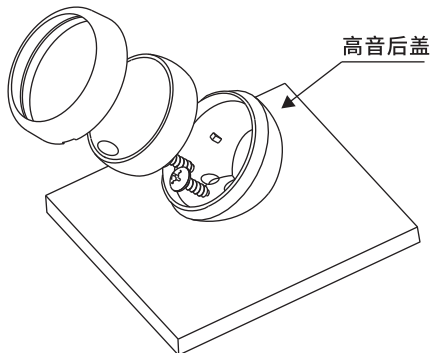


#### 安装方式二：

要想牢固地将高音安装在仪表盘前方或车门边，可以采用此种安装方式：

1. 先用“一字”螺丝刀将高音喇叭的前盖打开。
2. 按图示将安装螺丝穿过前盖、安装板，将高音喇叭的后盖锁紧在选取的位置。
3. 将喇叭装入后盖内、压紧前盖。
4. 调整喇叭方向，以便达到理想的听音效果。

注：此种方式需在车上锁螺钉，故在安装前须确定高音喇叭的安装位置。

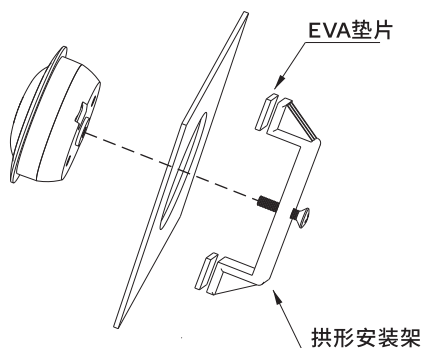




### 安装方式三：

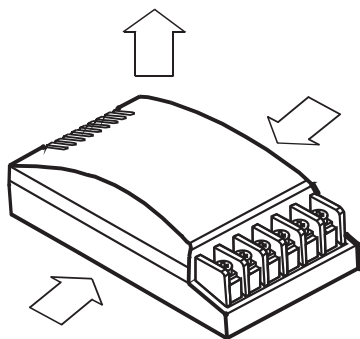
如果需将高音喇叭安装在车门或其它隐蔽的位置，可以采用此种方式：

1. 在选定的位置开一约为50mm的圆形孔。
  2. 将高音喇叭的窄边前盖换成宽边前盖后沉于圆形孔内。
  3. 在安装板的背面，将螺丝穿过拱形高音安装架锁紧喇叭。
  4. 依实际情况，如果安装板比较薄，则可以先将3mm单面自粘性EVA粘于安装架的脚位。
- 注：此种安装方式也需要在车上打孔，故在安装前须确定高音喇叭的安装位置。



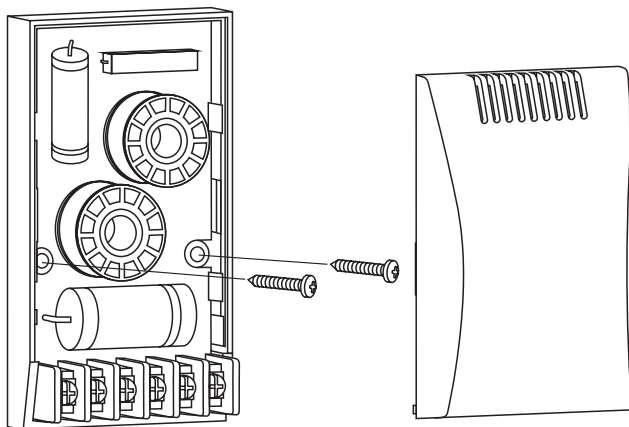
## 四、分频器安装

1. 将分频器外罩打开,用力向两边按入,然后向上提起。



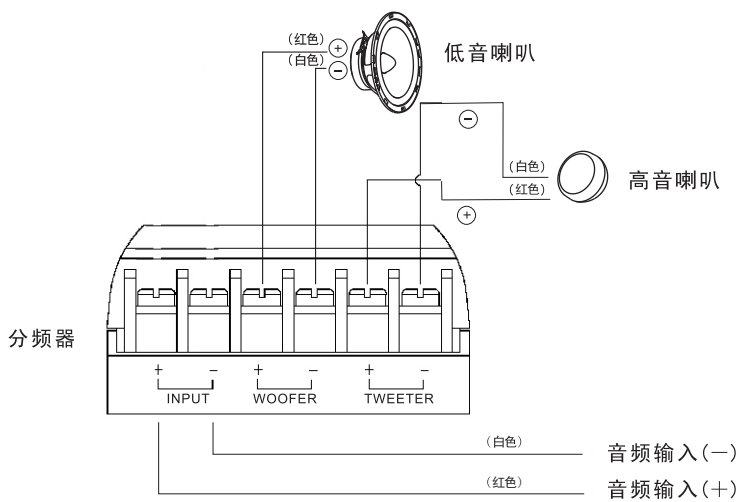


2. 将分频器安装在车门或其他位置。



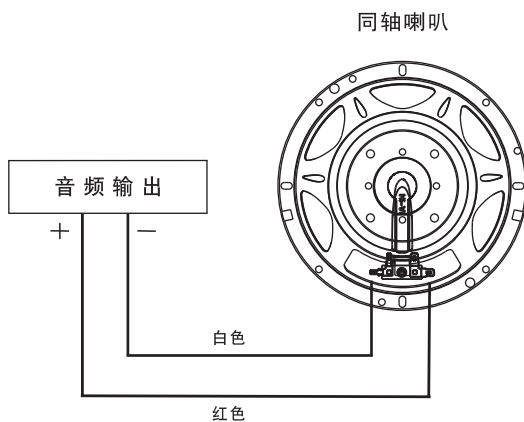
## 五、接线

1. 分频器与高音、低音连接示意图



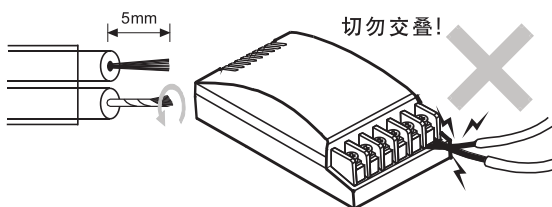


## 2. 同轴喇叭接线示意图



## 六、安装注意事项

1. 剥除约5mm的电线绝缘体。
2. 将电线线芯紧紧扭绞一起。
3. 为防止损坏电路，切勿让正极 (+) 和负极 (-) 扬声器缆线发生短路。







## 七、规格

型号	CF240II	CF250II	CF260II	CF269II
口径	4"同轴	5.25"同轴	6.5"同轴	6"x9"同轴
中低音	4"中、低音	5.25"中、低音	6.5"中、低音	6"x9"中、低音
高音	3/4"软球顶高音	3/4"软球顶高音	3/4"软球顶高音	3/4"x2软球顶高音
灵敏度	87dB	88dB	90dB	90dB
频率响应	85-23K	60-23K	45-23K	45-23K
最大功率	90W	120W	150W	180W
额定功率	30W	40W	50W	60W
额定阻抗	4ohms	4ohms	4ohms	4ohms
安装尺寸	Φ117	Φ138	Φ156.5	166.5x119.5
开孔尺寸	Φ95	Φ116	Φ144	153x214
安装深度	>55	>62	>65	>81
网罩尺寸	Φ141.5x20	Φ158x22	Φ172.5x22	252x179x29

型号	C1900II	C2000II
系统组成	5.25"+1"	6.5"+1"
中低音	5.25"中、低音	6.5"中、低音
高音	1"软球顶高音	1"软球顶高音
灵敏度	88dB	90dB
频率响应	60-23K	50-23K
最大功率	120W	150W
额定功率	40W	50W
额定阻抗	4Ω	4Ω
安装尺寸	Φ138	Φ156.5
开孔尺寸	Φ116	Φ144
安装深度	>62	>65
网罩尺寸	Φ158x22	Φ172.5x22
分频点	2.6KHz	2.6KHz
高通衰减斜率	-12dB/Octave	-12dB/Octave
低通衰减斜率	-12dB/Octave	-12dB/Octave



## 产品中有害物质的名称及含量：



此图示含义为：该产品可能含有某些有害物质(如下表所示)。在环保使用期限内可以放心使用，超过环保使用期限之后则应该进入回收循环系统。此标识指环保使用期限为十年(从生产日期算起)。

部件名称	有害物质					
	铅(Pb)	汞(Hg)	镉(Cd)	六价铬(Cr(VI))	多溴联苯(PBB)	多溴二苯醚(PBDE)
电缆	X	O	O	O	O	O
金属部件	O	O	O	O	O	O
塑胶部件	O	O	O	O	O	O
电路板组件	X	O	O	O	O	O
变压器	O	O	O	O	O	O
喇叭件	O	O	O	O	O	O
包装材料	O	O	O	O	O	O

本表格依据SJ/T 11364的规定编制。

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

X: 表示该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规定的限量要求。

注: 环保使用期限取决于产品正常工作的温度和湿度等条件。

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售后客服



公众号

因设计变更等原因，所示资料可能与实物不符，恕不另行通知。

Due to the reasons in the change of design or others, product information contained here may not be in conformity with product itself. We reserve the right of no prior notice before change.

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