KF–960&BH–960系统描述:

系统特点：

KF-960是**KF900**系列家族中又一款性价比高、更具人性化的大型外置三分频线性阵列音箱。它除了线性阵列固有的特点以外，其Ω形的流线形外观设计，突显其尊贵典雅。它是由**2**只**65**芯钕磁高音、**2**只**8**寸**50**芯钕磁中音、**2**只**12**寸**100**芯高性能铁氧体低音构成；**BH-960**是与**KF-960**配套使用的超重低音，该箱是由**2**只**18**寸**100**芯高性能铁氧体低音单元构成。有了**BH-960**与**KF-960**完美匹配，现场扩声的音域范围将会更加的宽广。

系统功放与负载阻抗的匹配关系：

该系统的功放与音箱阻抗之间的匹配关系是这样的：**1**、**KF-960**箱内单只高音单元的阻抗为**8**欧姆，两只高音单元在箱体内部是串联关系，这时负载阻抗变为了**16**欧姆。根据设计要求一台高音通道的功放可以驱动**4**只**KF-960**音箱的高音单元，这时功放的负载阻抗为**8**欧姆。**2**、**KF-960**箱内单只中音单元的阻抗为**8**欧姆，两只中音单元在箱体内部是串联关系，这时负载阻抗变为了**16**欧姆。根据设计要求一台中音通道的功放可以驱动**4**只**KF-960**音箱的中音单元，这时功放的负载阻抗为**8**欧姆。**3**、**KF-960**箱内单只低音单元的阻抗为**8**欧姆，两只低音单元在箱体内部是分别独立各引正负两条线到**8**芯座音箱接线背板，这时负载阻抗为**8**欧姆。根据设计要求一台低音通道的功放可以驱动**2**只**KF-960**音箱的低音单元，这时功放的负载阻抗为**4**欧姆。以**4**只**KF-960**音箱为例所需功放为：**1**台高音功放、**1**台中音功放、**2**台低音功放共计**4**台功放。所以切记功放到**KF-960**音箱的连接线必须为独立的**8**芯四对线。否则将会对系统造成不可估量的损毁。**4**、**BH-960**音箱的阻抗为**4**欧姆，根据设计要求一台超低音通道的功放可以驱动**2**只**BH-960**音箱。这时功放的负载阻抗为**4**欧姆。以此类推在系统搭配上注意功放与音箱阻抗之间的匹配；避免系统匹配出现错误，在系统使用过程中严禁**信号失真**或**过载**，否则将会对系统造成严重损毁。该系统是剧院、剧团及户外大型流动演出的最佳选择，深受广大用户的好评！

箱体结构：

箱体板材是采用优质的多层的实木夹板。箱体的上下表面共有**4**个可拆卸的密封盖板，其作用是便于维护。箱体的表面处理材料采用环保（**ROHS**）的化工材料，全天候水性油漆。可在恶劣的自然环境条件下使用。

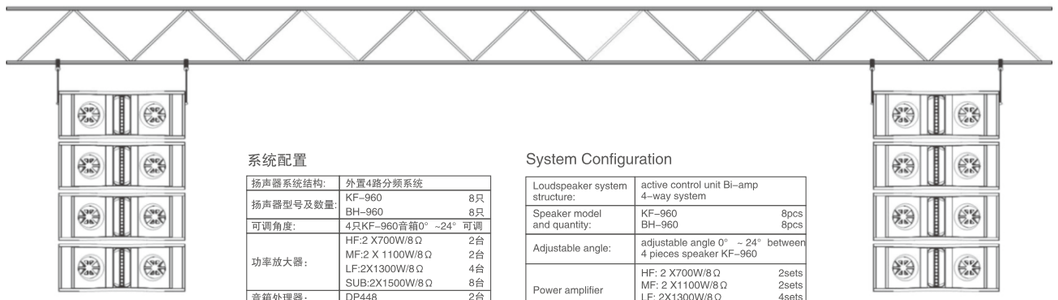
吊装方式：

KF-960& BH-960有两种安装方式：吊装件都是采用优质的**T6061**铝型材。一种是用胡芦将**KF-960**吊装在**TRASS**或雷亚架上；另一种是，也可以选择将超低音**BH-960**加装与**KF-960**匹配的铝型材，这样**KF-960**就可以安装在**BH-960**上面放在舞台上。（**BH-960**正常标配是不带铝型材，需要时须与业务人员特别说明。）不锈钢插销连接，简单方便。

应用范围：

即可用于大型的流动演出，也可用于剧院、剧场、体育场馆等场所的固定安装。

KF 系列专业线性阵列系统 —— KF-960



4 X KF-960

系统配置

扬声器系统结构:	外置4路分频系统	
扬声器型号及数量:	KF–960	8只
	BH–960	8只
可调角度:	4只KF–960音箱0° ~24° 可调	
功率放大器:	HF:2 X700W/8Ω	2台
	MF:2 X 1100W/8Ω	2台
	LF:2X1300W/8Ω	4台
	SUB:2X1500W/8Ω	8台
音箱处理器:	DP448	2台
线材:	4M" × 8芯专业音箱工程电缆线	
附件:	10U功放机柜	8个
	KF–960航空箱	8只
	BH–960航空箱	8只

技术说明:
此方案适合大型演出活动，建议使用距离为150米，使用人数约为10000–-15000人。

System Configuration

Loudspeaker system structure:	active control unit Bi–amp 4–way system	
Speaker model and quantity:	KF–960	8pcs
	BH–960	8pcs
Adjustable angle:	adjustable angle 0° ~ 24° between 4 pieces speaker KF–960	
Power amplifier	HF: 2 X700W/8Ω	2sets
	MF: 2 X1100W/8Ω	2sets
	LF: 2X1300W/8Ω	4sets
	SUB: 2X1500W/8Ω	8sets
Processor:	DP 448	2sets
Speaker cable:	4㎡x8 core professional speaker engineering cable	
Accessories:	10U amplifier rack	8pcs
	KF–960 flight case	8pcs
	BH–960 flight case	8pcs

Technical note:
This scheme is suitable for large–sized concerts touring, recommendations apply to 150 meters away, using about 10000–-15000 audiences.

4 X KF-960

4 X BH-960

KF–960

BH–960

KF–960–T

KF-960 & BH-960 SYSTEM DESCRIPTION:

System Features:
KF-960 is a cost-effective, more humane and large-sized active control unit Bi-amp three-way line array in **KF900** series family. It is in addition to the inherent characteristics of the line array, its **Ω-shaped** streamlined design, highlighting its noble and elegant. It is composed of **two** Neo HF drivers with VC **Φ65mm**, **two 8 inch** Neo MF drivers with VC **Φ50mm**, **two 12 inch** LF units with VC **Φ100mm** and high-performance magnet; SUB **BH-960** is supporting the use of **KF-960**, it is composed of **two 18 inch** woofers units with voice coil **Φ100mm** and high-performance magnet. **KF-960** is much perfect with **BH-960** so that the frequency response of live sound reinforcement will be much wider.

Matching relations between amplifier system and load impedance:
The system matching relationship between the amplifier and speaker impedance is such that: ①, One piece HF driver impedance is **8 ohms** inside **KF-960** cabinet, two HF drivers is tandem relationship inside the cabinet, then load impedance into **16 ohms**. According to the design requirements of one set two channel HF amplifier can power HF drivers of **four pieces KF-960** speakers, then amplifier load impedance into **8 ohms**. ②, One piece MF driver impedance is **8 ohms** inside **KF-960** cabinet, two MF drivers is tandem relationship inside the cabinet, this time load impedance into **16 ohms**. According to the design requirements of one set two channel MF amplifier can power MF drivers of **four pieces KF-960** speakers, then amplifier load impedance into **8 ohms**. ③, One piece LF unit impedance is **8 ohms** inside **KF-960** cabinet, two LF units in the cabinet interior ,each LF unit connect positive pole or negative pole two wires independently to speaker wiring back panel of the **8-core** speakon-socket, then the load impedance is **8 ohms**. According to the design requirements of one set two channel LF amplifier can power LF unit of **two pieces KF-960** speakers, then amplifier load impedance is **4 ohms**. For example, according to four pieces **KF-960** speakers, total amplifier is required: **one set** HF amplifier, **one set** MF amplifier, **two sets** LF amplifiers, and total is **four sets** amplifiers. So do remember the connecting cable from amplifier to **KF-960** speaker must be independent of the **8-core** speaker cable. Otherwise it will cause incalculable damage to the system. ④, **BH-960** speakers as impedance **4 ohms** setting, according to the design requirements of one set two channel LF amplifier can power **two pieces BH-960** speakers, then amplifier load impedance is **4 ohms**. So pay attention to the system matching between the amplifier and speaker impedance; avoid system matching error, during the process of using system forbid signal distortion and overload, otherwise it will cause serious damage to the system. The system is the best choice for the theater, and outdoor large concerts touring, praised by the majority of users!

Enclosure structure: Enclosure is made of high quality multi-layer plywood. The upper and lower surfaces of the box there are **four** removable glands, it is convenient to maintenance. Using environmentally-friendly **(ROHS)** chemical materials for enclosure surface treatment, all-weather water-based paint. It can be used in the rugged natural environment.

Installation method:
There have two installation methods for **KF-960 & BH-960**: the flying accessories are made of high quality aluminum **T6061** profiles. One is to use hoist lifting the **KF-960** in **TRASS** or layer rack; the other is you can choose to install super bass **BH-960** aluminum profiles with matching **KF-960**, so **KF-960** can be installed above BH-960 on the stage. (BH-960 is no with aluminum profiles in Normal standard, and you must confirm with sales person for special instructions when you needed.) Stainless steel bolt connection, very simple and convenient.

Applications:
This system is suitable for Large Concerts Touring, and also can be use for fixed installation of Theater and Stadium etc.

TECHNICAL INFORMATION

Model	***KF-960***	***BH-960***
Power-Watts	*1700W(RMS)/4250W(PGM)*	*1200W(RMS)/3000W(PGM)*
	LF:500W× 2/ MF:250W× 2/ HF:100W× 2	
Sensitivity(dBSPL 1W/1M)	*LF:97dB/ MF:105dB/ HF:110dB*	*110dB(1W/1M)*
Impedance(ohms)	*LF1:8Ω/LF2: 8Ω/MF:8Ω/ HF:8Ω*	*4Ω*
Frequency Response	*LF:50Hz~500Hz/ MF:500Hz~2.5kHz/ HF:2.5kHz~19kHz*	*45Hz~120Hz*
Average Dispersion	*140° x 6°*	*Quasi-omnidirectonals*
Loudspeaker and Loading	*LF:2x12" High pass vented box*	*2x18" High pass vented box*
	MF:2x8" High pass vented box	
	HF:2x1.5" Exit horn loaded	
Weight(Kg)	*80.5Kg*	*85Kg*
Dimensions(W×D×H)	*1135×580×412mm*	*940×740×540mm*
Packing(W×D×H)	*1180×630×642mm*	*1020×820×690mm*