

KF-950&BH-950系统描述:

系统特点:

KF-950是**KF900**系列家族中一款中型的外置二分频线性阵列音箱。它跟**KF-960**一样是Ω形的流线形外观设计。它具有外形紧凑、效率高、应用灵活等特点。它是由**2只44芯**钹磁高音、**2只10寸75芯**高性能铁氧体中低音单元组成。**BH-950**是与**KF-950**配套使用的次低音音箱。**BH-950**是由**2只15寸100芯**高性能铁氧体低音单元构成。**BH-950**与**KF-950**组合，构成外置三分频系统。该系统之所以加入**BH-950**次低音音箱，是因为**KF-950**音箱的**10寸**中低音单元低频下潜不够宽，所以需要**BH-950**来补充次低频部分。根据设计要求**BH-950**与**KF-950**之间是按**1:2**的比例关系配套使用。即**2只BH-950**匹配**4只KF-950**。该系统是剧院、剧场及户外中型流动演出的最佳选择，深受广大用户的好评！

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-950**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-950**音箱的高音单元，这时功放的负载阻抗为**8欧姆**。**2、KF-950**箱内单只中低音单元的阻抗为**8欧姆**，在箱体内部是串联关系，这时负载阻抗为**16欧姆**；根据设计要求一台中低音通道的功放可以驱动**4只KF-950**音箱的中低音单元，这时功放的负载阻抗为**8欧姆**。**3、BH-950**音箱的阻抗为**4欧姆**，根据设计要求一台次低音通道的功放可以驱动**2只BH-950**音箱。这时功放的负载阻抗为**4欧姆**。**4、以2只BH-950**和**4只KF-950**音箱为例所需功放为：**4只KF-950**音箱高音通道需**1台**相匹配的功放，中低音通道也是**1台**相匹配的功放，**BH-950**音箱需要**1台**相匹配的功放。共计**4台**功放。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。

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-950 & **BH-950**有两种安装方式：吊装件都是采用优质的**T6061**铝型材。一种是用葫芦将**KF-950**吊装在**TRASS**或雷亚架上；另一种，也可以选择将**KF-950**安装在**BH-950**上面放在舞台上。不锈钢插销连接，简单方便。

应用范围:

即可用于中型的流动演出，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-950

系统配置

扬声器系统结构:	外置3路分频系统
扬声器型号及数量:	KF-950 8只 BH-950 4只
可调角度:	4只KF-950音箱0° ~40° 可调
功率放大器:	HF:2 X600W/8 Ω 2台 LF:2X1100W/8 Ω 2台 SUB:2X1500W/8 Ω 2台
音箱处理器:	DP446 1台
线材:	4M ² × 8芯专业音箱工程电缆线
附件:	10U功放机柜 3个 KF-950航空箱 4只 BH-950航空箱 4只

技术说明:
此方案适合中小型演出活动，建议使用距离为100米，使用人数约为8000—10000人。

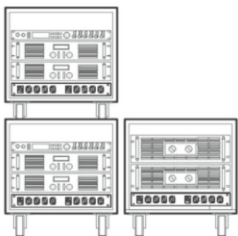
System Configuration

Loudspeaker system structure:	active control unit Bi-amp 3-way system
Speaker model and quantity:	KF-950 8pcs BH-950 4pcs
Adjustable angle:	adjustable angle 0° ~ 40° between 4 pieces speaker KF-950
Power amplifier	HF:2 X600W/8 Ω 2sets LF:2X1100W/8 Ω 2sets SUB:2X1500W/8 Ω 2sets
Processor:	DP 446 1set
Speaker cable:	4m ² x8 core professional speaker engineering cable
Accessories:	10U amplifier rack 3pcs KF-950 flight case 4pcs BH-950 flight case 4pcs

Technical note:
This scheme is suitable for small and medium sized concerts touring, recommendations apply to 100 meters away, using about 8000 — 10000 audiences.

KF-950x4
BH-950x2

KF-950x4
BH-950x2



BH-950



KF-950-T



KF-950

KF-950 & BH-950 SYSTEM DESCRIPTION:

System features:

KF-950 is a middle-sized active control unit Bi-amp two-way line array speaker in **KF900** series family. Its Ω-shaped streamlined design is same as **KF960**. It has the characteristics of compact, high efficiency, flexible application. It is composed of **two** Neo HF drivers with VC Φ**44mm**, **two 10 inch** LF units with VC Φ**75mm** and high-performance magnet. **BH-950** under-bass speaker is supporting the use of **KF-950**. **BH-950** is composed of **two 15 inch** woofers with VC Φ**100mm** and high-performance magnet. For **BH-950** and **KF-950** combination, it constitutes an active control unit Bi-amp three-way line array system. The system is added **BH-950** under-bass speaker, because of **KF-950** speaker low frequency of 10 inch low unit is not much wider, so need to use **BH-950** to extend the MID and Low frequency part. According to the design requirements, it is supporting the use between **BH-950** and **KF950** by the ratio of 1:2. That is **2pcs BH-950** match with **4pcs KF-950**. The system is the best choice for the theater, and outdoor medium-sized concerts touring, praised by the majority of users!

Matching relations between power amplifier system and load impedance:

The system matching relationship between the amplifier and speaker impedance is such that: ①, One pieces HF driver impedance is **8ohms** inside **KF-950** cabinet, two HF drivers is tandem relationship inside the cabinet, then load impedance into **16 ohms**. ②, One pieces LF unit impedance is **8 ohms** inside **KF-950** cabinet , two LF units is tandem relationship inside the cabinet, this time load impedance into **16 ohms**; According to the design requirements of one set two channel LF amplifier can power LF units of **four pieces KF-950** speakers, then amplifier load impedance into **8 ohms**. ③, Impedance of **BH-950** speaker is **4 ohms**, according to the design requirements of one set two channel LF amplifier can power **two pieces BH-950** speakers, this time amplifier load impedance into

4 ohms. ④, For example, according to **two pieces BH-950** and **four pieces KF-950** speakers, total amplifier is required: **one set** HF amplifier and **one set** LF amplifier for match **KF-950**, **one set** LF amplifier for match **BH-950**. Total is three sets amplifiers. 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.

Enclosure structure: Enclosure is made of high quality multi-layer plywood. The upper and lower surfaces of the enclosure there are **four** removable glands, it is convenient to maintenance. Using environmentally-friendly (**ROHS**) chemical materials for the 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-950 & BH-950**: the flying accessories are made of high quality aluminum **T6061** profiles. One is to use hoist lifting the **KF-950** in **TRASS** or layer rack; the other is **KF-950** can be installed above **BH-950** on the stage. Stainless steel bolt connection, very simple and convenient.

Applications:

This system is suitable for medium Concerts Touring, can also be used for fixed installation of Theater, and Stadium etc.



TECHNICAL INFORMATION

Model	KF-950
Power-Watts	800W(RMS)/2000W(PGM) LF:350W×2/ HF:50W×2
Sensitivity(dBSPL 1W/1M)	103dB
Impedance(ohms)	16 Ω
Frequency Response	LF:60Hz~2kHz/ HF:2kHz~19kHz
Average Dispersion	150° × 10°
Loudspeaker and Loading	LF:2x10" High pass vented box HF:2x1" Exit horn loaded
Weight(Kg)	40Kg
Dimensions(W×D×H)	863×315×460mm
Packing(W×D×H)	913×700×690mm(pair/ctn)

BH-950
1200W(RMS)/3000W(PGM)
101dB(1W/1M)
4 Ω
45Hz~150Hz
Quasi-omnidirectionals
2x15" High pass vented box
58.5Kg
863×690×420mm
913×740×650mm