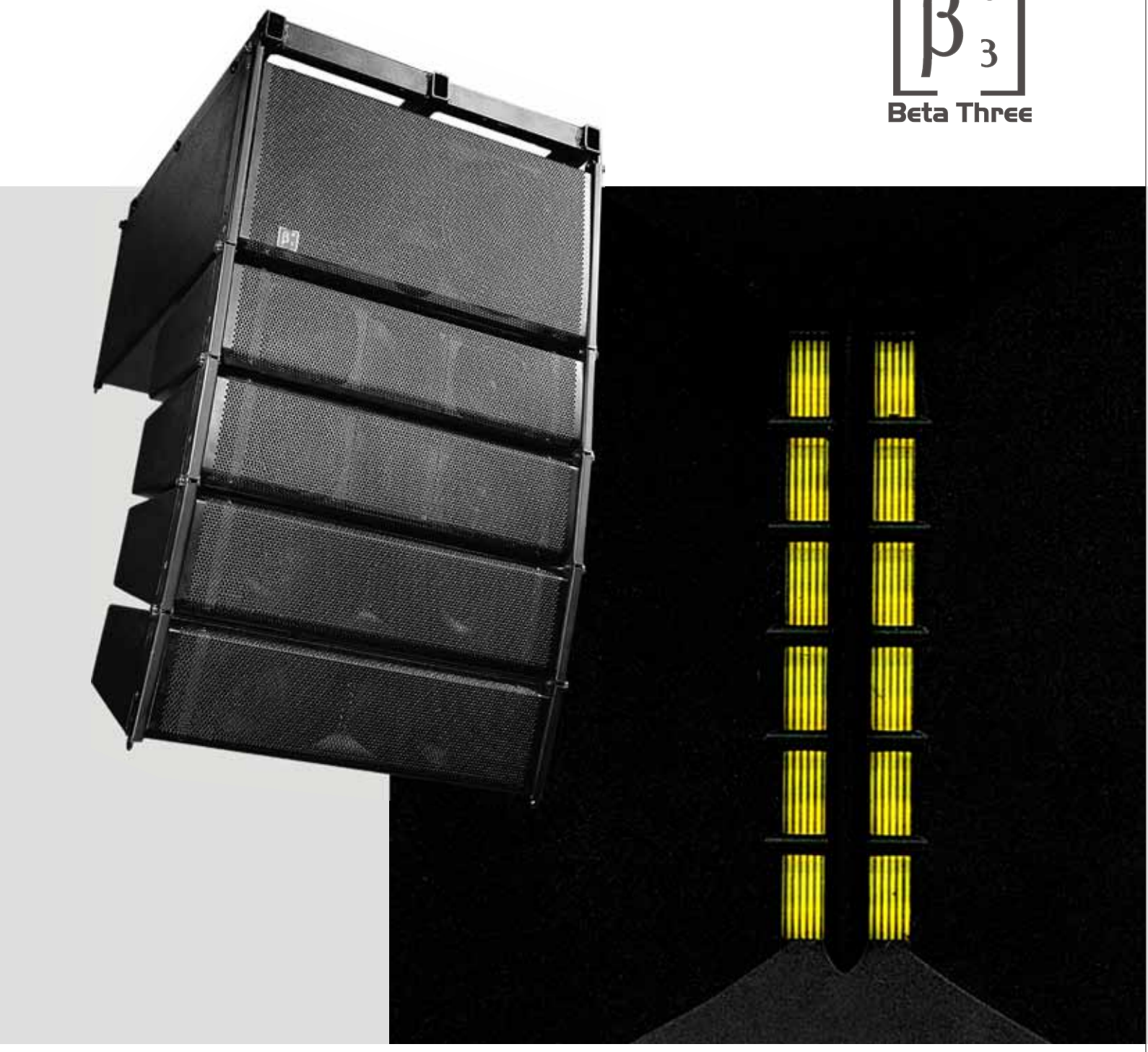
Beta Three



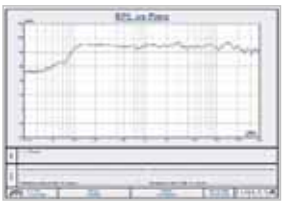
R4/R8

Compact Line Array Sound Reinforcement System

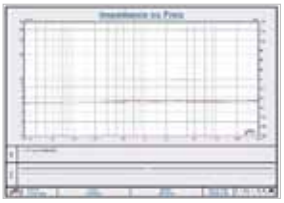
2006

Features

This product is mainly designed for high grade venues, like the big meeting room, multifunctional hall, church, luxury big or superci nema in family and other places. This system includes a active subwoofer and four pieces full range cabinets with passive crossover inside. It can be extended according to different applications.



Ribbon tweeters used in this system can give a wide-range frequency response up to 40KHz, which guarantees high fidelity and even sound field.

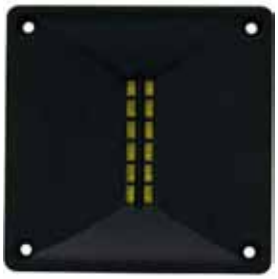


The tweeter's impedance and phase response curves are almost ideal horizontal lines. The moving mass of the transducer is as light as milligrams so that the impulse response is perfect !

The distortion rate is effectively reduced due to the suspension system formed by using special thin foam rubber surround and spraying processed paper cone.

The rigging part is designed to meet different application requirement. The splay angel can be adjusted by minimum 1 degree vertically.

The active subwoofer applies low distortion technology, linear amplification technology, and DSP audio processing technology. Input signal is amplified by the built-in pre-amplifier, then processed and distributed by DSP, finally output via power amplifier to the subwoofer and the full-range speaker, which forms an integrated System.



HI-FI Tweeter

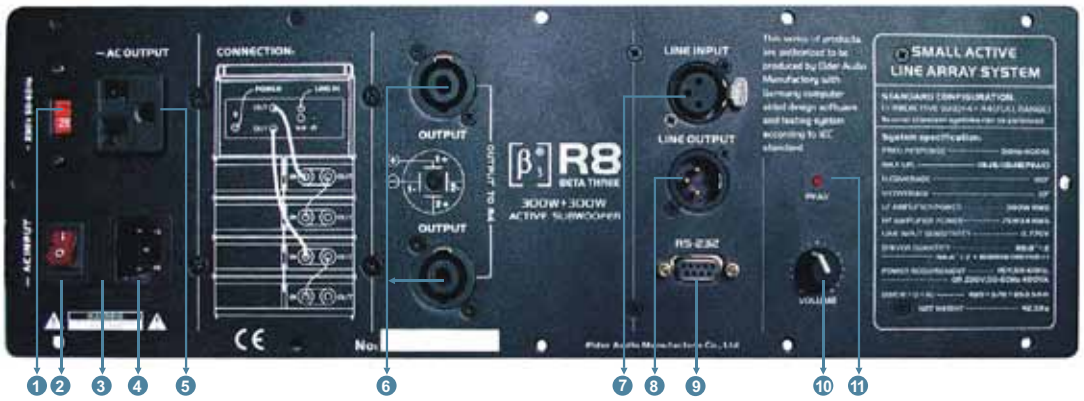
R4 **Line Arry Cluster**
With 4 Purchase Full-rang Speakers

R4/R8

R8
Active Subwoofer With DSP

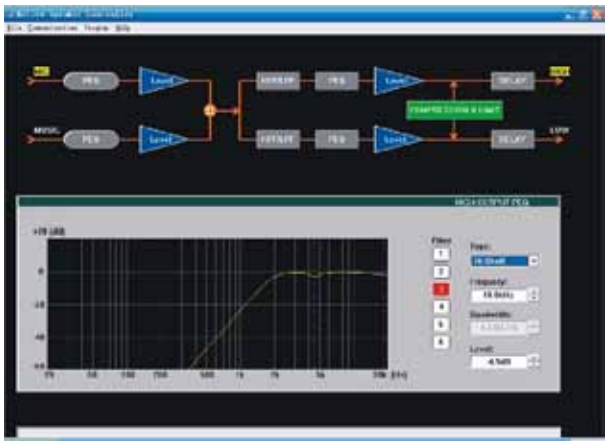
Active Amplifier with DSP

DSP Audio processing technology and linear amplification technology are integrated into R8 active amplifier module. The amplifier with power handling of 600W can drive 5pcs of speakers at the same time. Optimized software is applied for frequency response, delay, crossover, frequency compensation and gain control as well as compressor and limiter protection via RS-232 port connected to computer.



1. Input Voltage Switch for 220V/110V
2. Power On/Off Switch
3. Fuss
4. Power Input Socket
5. AC Output
6. Signal Output (NL4 socket)
7. Line In
8. Line Out
9. RS-232 Port
10. Volume
11. Signal Indicator

Introduction of Software



Active module with built-in DSP processor can manage and adjust tweeters and woofers separately. It contains functions like gain, crossover (high pass & low pass), equalization, compression & limitation, delay and phase invertion control. And integrated intelligent testing and controlling systems are available for equipment protection to maximum degree.

- Built-in high performance DSP
- 24 bits Σ-Δ AD/DA conversion technology
- Precise filter calculation and gain control
- Intelligent protection system

- Several optional filters are available for different unit configuration and application.
- 6 configuration modes can be saved in the system for convenient use at any moment.
- Latest recommended software for system configuration can be downloaded from the website.

Standard RS-232 port can be conveniently used to connect the system to PC for DSP presetting and parameter adjustment.

Metallic case shielding DSP module eliminates interference from small signal processing circuits and also helps keep connectors in good sealed condition.

The combination of big aluminium radiator and stageless & brushless fans forms an effective cooling system which guarantees safety and stability for long time operation.

Specification For Amplifier Modules

LOW FREQUENCY POWER AMPLIFIER		PRE-AMPLIFIER	
Distortion limit output power(0.5%THD@630Hz)	300W	Input Sensitivity	0.775V
Load Impedance	4Ω	Crossover Point	2KHz
Distortion(THD)	＜0.1%	Input Impedance	10K(Balance)
Protection	Output maladjustment protection	Power supply	AC-230V/50Hz
	DC protection,Input signal limit,		
	Overload protection		
	Overheat protection(100°)		
FULL RANGE POWER AMPLIFIER		**CONTROLLER**	
Distortion limit output power(0.5%THD@630Hz)	300W	Knob	Volume
Load Impedance	4Ω	Indicator	Peak Indicator
Distortion(THD)	＜0.1%	Input Connector	XLR
Protection	Output maladjustment protection	Output Connector	1*male XLR Output
	DC protection,Input signal limit		2Pcs *NI4 Output for connecting
	Overload protection		4Pcs R4
	Overheat protection(100°)		

System Specifications

Fequency Response（-3dB）:	55Hz-40KHz
（-10dB）:	35Hz- 40KHz
Rated Power(RMS):	L：300W H：300W
Rated SPL(1M):	117dB
Max. SPL(1M):	123dB
Crossover Point:	L/M：125Hz M/ H：3.2KHz
Input Impedance:	10KΩ
Dispersion(H×V):	120° x (30° -90°) adjustable
Connectors:	NL4
Power supply:	AC 230V /50Hz
Dimensions (W×D×H):	480×578×853.5mm
Packaging Dimensions (1cluster/pack):	686×686×560mm
Net Weight(1cluster/pack):	45Kg
Gross Weight(1cluster/pack):	50Kg

Cabinet Dimension