

SOUNDPAUL®

S-PAUL BROCHURES

2023宣传画册

S-PAUL JUST FOR SOUND

FOCUSING ON POWER AMPLIFIERS FOR 23 YEARS

SOUNDPAUL®

圣保罗音响器材有限公司

S-PAUL AUDIO EQUIPMENT CO.,LTD

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公众号



官方网址

圣保罗音响器材有限公司

S-PAUL AUDIO EQUIPMENT CO.,LTD

圣音精彩, 保罗万有

S-PAUL JUST FOR SOUND

POWER AMPLIFIER AUDIO PERIPHERAL EQUIPMENT



公司简介 COMPANY PROFILE

圣保罗音响器材有限公司创建于2000年, 是一家集研发、生产、销售为一体的专业音响设备制造企业。专业生产功率放大器、调音台、音箱、周边设备, 大功率开关电源模块及数字音频开发等。产品畅销全球70多个国家和地区。

本公司技术力量雄厚, 拥有专业的开发团队, 现代化的生产设备, 及稳定的生产队伍, 保持了产品的生命力, 其产品性能达到国际领先水平, 并建立产品研发中心, 本司积极参与科技信息与人力资源的学习, 培养出一批高素质的管理团队, 实现6S工厂管理, ISO9001, ISO14001质量管理体系, 并全面通过CE认证、CCC认证、EKC认证、CB认证等多体系认证。

本公司秉承优良品质、领先科技、人力资源为核心, 与科技同步, 全面以客户至上, 与您共创辉煌。

S-PAUL Audio Equipment Co., Ltd. is founded in year 2000, which is the professional audio equipment manufacturing enterprise that runs with development, production, and sales. Specializing in the production of power amplifier, mixing console, speaker, audio peripherals, High-power switching power supply module and digital audio development, etc. The products sell well in more than 70 countries and regions around the world.

S-PAUL Audio has strong technical force, with the professional development team, modern production equipments, and stable production team to maintain the vitality of the products that performances of their products reach the international advanced level, and established the research and development center. We actively participate in the learning of technological information and human resources; training a group of high-quality management team, achieve the 6S factory management, obtained the ISO9001, ISO14001 quality management system and comprehensive multi-system certification such as CE certification, CCC certification, EKC certification, CB certification, etc.

S-PAUL Audio runs with good quality, leading technology, human resources as the core, synchronized with technology; customer always comes first, and creates the brilliant future with you.

- 专注功放23年 -

Focusing on power amplifier for 23 years



SOUNDPAUL®

DMB 数字功放 SERIES



内置DSP处理器 Dante数字传输

Built-in dsp processing. Dante digital transmission

DMB 商用系列数字功放

- DMB系列将现有D类功放核心技术进行升级优化,并为体育馆主题公司、大型舞台、演艺中心、商场、会议场合等许多需要网络数字安装设备的场所提供了完善的解决方案。
- DMB系列含有强大便捷的功能:
- 4*4模拟通道, 4*4 DANTE, 2*2USB声卡, 内部核心算法APC, AEC, ANS, AGC, AM, POE:DC12V, 代替原有模拟接口。
- 会议话筒通过内部DSP处理后输入, DANTE数字传输至系统中, 与视频会议主机无缝对接。
- 通过DSP内部2个单独通道AEC模拟处理系统四声, 通过USB声卡与语音识别系统结合, 将会议内容记录成档。
- DMB系列数字功放具有时尚的工业外观, 专为商业声音应用而设计和制造。

DMB Commercial Series Digital Power Amplifier

- DMB series upgrades and optimizes the core technology of existing Class D power amplifiers, and provides perfect solutions for stadium theme companies, large stages, performing arts centers, shopping malls, conferences and many other places that require network digital installation equipment.
- The DMB series contains powerful and convenient functions:
- 4*4 analog channels, 4*4 DANTE, 2*2USB sound card, internal core algorithms APC, AEC, ANS, AGC, AM, POE: DC12V, instead of the original analog interface.
- The conference microphone is input after being processed by the internal DSP, via DANTE digital transmission to the system, seamlessly docking with the video conference host.
- The four tones of the AEC analog processing system through 2 separate channels inside the DSP are combined with the voice recognition system through a USB sound card, to record the content of the meeting.
- The DMB series digital power amplifiers have a stylish industrial appearance and are designed and manufactured specifically for commercial sound



DMB SERIES

DMB系列数字功放专为商业声音应用而设计和制造

Special designed and manufactured for commercial sound applications

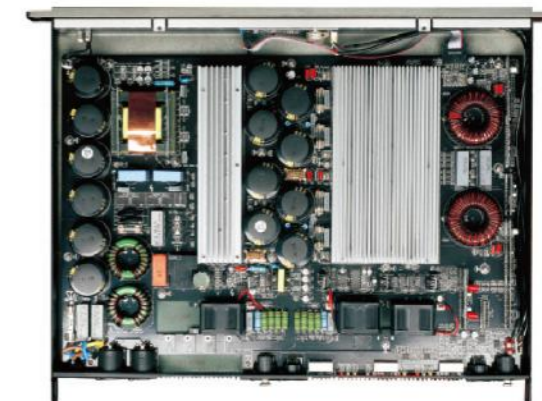
型号 Model	DMB40	DMB60	DMB80	DMB100	DMB160
8Ω立体声输出功率/ 8Ω Stereo Output Power	4*400W	4*600W	4*800W	4*1000W	4*1300W
4Ω立体声输出功率/ 4Ω Stereo Output Power	4*600W	4*900W	4*1200W	4*1500W	4*1950W
2Ω立体声输出功率/ 2Ω Stereo Output Power	4*800W	4*1200W	4*1600W	4*2000W	4*2600W
8Ω桥接/ 8Ω Bridge Output Power	4*1000W	4*1500W	4*2000W	4*2500W	4*3250W
4Ω桥接/ 4Ω Bridge Output Power	4*1200W	4*1800W	4*2400W	4*3000W	4*3900W
频响 Frequency response(1W,8ohms)+0/-3dB	6.8Hz-34kHz				
总谐波失真 1KHz THD	0.01-0.03%				
信噪比 S/N rate	>104dB				
阻尼系数 Damping factor	>600				
分离度 Crosstalk	>70				
输入灵敏度 Input sensitivity	1.2V/32dB/26dB				
输入阻抗 Input impedance	>10KΩ balanced or unbalanced				
输出类别 Output circuitry	D				
产品尺寸 Product dimension(mm)	483mm×88mm×439.5mm				
毛重 G.W	15kg	15kg	15.5kg	16kg	16kg
供电要求 Power	AC220V/50Hz-60Hz(定制)				

具有DSP控制和USB接口的DC系列1U数字功放

- 提供两通道为最大8欧姆2 x 1200瓦型号. 重量仅为9KGS;
- 通过革命性的酷炫运行的高密度D类技术实现了极高的可靠性, 具有近零热积累
- 超高效的开关电源, 无噪音, 卓越的瞬态响应和低功耗
- 高性能DSP和24位/96 kHz转换器提供极致的信号完整性和极限动态范围
- DSP部分具有复杂的延迟, 分频(凹槽和搁架滤波器), EQ(48个全参数均衡器), 动态处理和可锁定的安全设置
- 前面板LCD显示屏无需PC即可进行设置和调整
- 可以通过前面板USB连接器进行设置, 控制和监控. 强大的远程软件可联系厂家/供应商索取
- 具有20个用户 - 和20个出厂预设存储效果
- 优良设计的气流通道和固体散热器可获得最佳冷却
- 轻巧及坚固的设计, 1U高度标准机架, 特别适合中/小型现场固定安装

DC SERIES 1U Class D digital amplifier with DSP Control & USB Interface

- Delivers two channel up to 2 x 1200W @8 ohms model. Weight is only 9KGS;
- Ultimate reliability through revolutionary cool-running High-Density Class-D technology with near-zero thermal buildup
- Ultra-efficient switch-mode power supply for noise-free audio, superior transient response and low power consumption
- High-performance DSP and 24-bit/96 kHz converters deliver ultimate signal integrity and extreme dynamic range
- DSP section features sophisticated delay, crossover (Notch & shelving filters), EQ (48 full parametric EQs), dynamics processing and lockable security settings
- Front panel LCD display enables setup and adjustment without PC
- Can be set up, controlled and monitored via front panel USB connector. Powerful remote software can be obtained from the manufacturer / supplier.
- 20 user- & 20 factory-presets storage by on-board NV-Memory
- Excellent designed flow-through air path and solid aluminum heat sinks can gain the maximum cooling!
- Lightweight and rugged design, 1U height standard rack, particularly suitable for medium / small-site fixed installation.



DC/D SERIES

智能DSP可选, 会议/中、小型现场安装首选

DSP optional, for conference / medium, small installation.

型号 Model	DC6.2	DC8.2	DC10.2	DC12.2
	D1	D2	D3	D4
8Ω立体声输出功率/ 8Ω Stereo Output Power	650W	800W	1000W	1200W
4Ω立体声输出功率/ 4Ω Stereo Output Power	1050W	1300W	1650W	2000W
2Ω立体声输出功率/ 2Ω Stereo Output Power	1950W	2400W	3000W	3600W
8Ω桥接/ 8Ω Bridge Output Power	1850W	2300W	2850W	3450W
4Ω桥接/ 4Ω Bridge Output Power	3050W	3750W	4700W	5600W
频响 Frequency response(1W,8ohms)+0/-3dB	6.8Hz-34kHz			
总谐波失真 1KHz THD	0.01-0.03%			
信噪比 S/N rate	>104dB			
阻尼系数 Damping factor	>600			
分离度 Crosstalk	>70			
输入灵敏度 Input sensitivity	1.2V/32dB/26dB			
输入阻抗 Input impedance	>10KΩ 平衡或非平衡balanced or unbalanced			
输出类别 Output circuitry	D类			
输入接口 Input connector	凸/凹端XLR;			
输出接口 Output connector	Neutrik Speakon			
冷却 Cooling	3个风扇, 气流从前面板向后板, 无级变速风速, 根据温度而定。 3 fans, airflow from front panel to the rear panel, Variable wind speed, according to the temperature.			
产品尺寸 Product dimension(mm)	483mm×364.8mm×45mm			
毛重 G.W	8.7kg	8.8kg	9.0kg	9.0kg

专业且美观的面板设计, 轻便1U机箱设计, 特别适合各种中/小型场合使用

- 大功率电源自动稳压数字功放, 市电电压无需定制, 110V-240V自动转换
- 后板配备低中高滤波器等功能供客户多重选择
- 面板配备LCD显示屏, 直观显示: 风扇风量等级, 功率放大器工作温度, 整机工作市电电压, 左右通道音量阶梯
- 先进的保护系统: 输出短路保护, 直流, 过热, 过载, 软启动, 限幅器
- 所有内置电路板均采用SMD工艺
- 低噪音, 智能变速风扇系统

Professional and beautiful panel design, lightweight 1U chassis design especially suitable for a variety of medium / small applications

- High-power power supply automatically regulated digital amplifier, with 110V-240V automatic conversion, that do not need to customize the mains voltage
- On rear panel equipped with functions such as low, mid and high frequency filters for your multiple choices
- On front panel equipped with LCD display, which visually displays: fan air level, power amplifier operating temperature, mains voltage for whole machine working, left and right channel volume level
- advanced protection system: Output short circuit protection, DC, overheat, overload, soft startup, limiter
- all inside circuit board with SMD craft
- Low noise, Smart Variable speed fan System



DAC SERIES

专业且美观的面板设计, 轻便1U机箱设计, 特别适合各种中/小型场合使用

Professional and beautiful panel design, lightweight 1U chassis design, especially suitable for a variety of medium / small applications

型号 Model	DAC200	DAC300	DAC400	DAC500
8Ω立体声输出功率/ 8Ω Stereo Output Power	200W	260W	390W	470W
4Ω立体声输出功率/ 4Ω Stereo Output Power	380W	480W	750W	810W
8Ω桥接/ 8Ω Bridged	720W	950W	1400W	1600W
频响Frequency response(1W,8ohms)+0/-3dB	10Hz-20kHz			
总谐波失真1KHz	0.02—0.05%			
信噪比S/N rate	>90dB			
阻尼系数Damping factor	>600			
分离度Crosstalk	>70			
输入灵敏度Input sensitivity	0.775V 1.4V 2.8V			
输入阻抗Input impedance	>10KΩ 平衡或非平衡			
输出类别Output circuitry	D类			
面板控制Front panel control	交流电源开关; LED: 电源 (绿色)、信号 (绿色) -5 dB /-10dB/-20dB (绿色)、削波 (橙色)、保护 (红色); 音量控制器 AC power switch; LED: power supply (green) signal (green) -5 dB/-10dB/-20dB (green) clipping (orange), protection (red); Volume controller			
后板控制Rear panel control	输入模式: 桥接 (红色)、并行 (橙色)、立体声 (绿色); 灵敏度: 0.775V (红色)、1.4V (橙色)、2.8 (绿色) Input mode: bridging (red), parallel (orange), stereo (green); Sensitivity: 0.775V (red), 1.4V (orange), 2.8 (green)			
输入接口Input connector	凸/凹端XLR; RCA同芯座 Male/female XLR; RCA socket			
输出接口Output connector	红黑接线柱; Speakon Red and black binding posts; Speakon			
冷却Cooling	2个风扇, 气流从侧板左边向右边通风, 无极风速, 根据温度而定 Two fans with airflow flowing from the left side of the side panel to the right with infinite wind speed depending on temperature			

VDA系列是一款全新的多通道、灵活性强的功率放大器。

- VDA系列基于D类功率放大器的基础上升级而成。
- VDA系列产品采用功率因数修正(PFC)技术为用户提供全球范围内适用的低功耗交流电源。
- VDA系列产品增加了并联和桥接模式功能,适用性更强。
- 它具备的音质动态范围大、效率高、失真小,和高阻尼系数,以保证长时间稳定工作表现并延长功放使用寿命的冷却电路。
- 精巧的设计,和传统的音频功放相比,D类技术为您呈现更多卓越性能,在大幅度减少热量散发的同时,为您的扬声器输送更加强劲的功率。

VDA Series is a new multi-channel and flexible power amplifier.

- VDA series is the upgrade version based on the basis of class-D power amplifier.
- VDA series of products using power factor correction (PFC) technology to provide users globally applicable low-power AC power.
- VDA series has increased parallel and bridge mode function, with stronger applicability.
- Its sound quality is with large dynamic range, high efficiency, low distortion, and high damping factor to ensure long-time stability of performance and extend the life of the cooling circuit of the amplifier.
- with the compact design, and compared to traditional audio amplifier, Class D technology presents you more excellent performance in a significant reduction in heat dissipation while conveying stronger power to the speaker.



型号 Model	VDA2180	VDA2250	VDA2350	VDA2450	VDA4180	VDA4250	VDA4350	VDA4450	VDA8180	VDA8250	VDA8350	
通道Channel	2	2	2	2	4	4	4	4	8	8	8	
8Ω立体声输出功率 8Ω Stereo Output Power	200W	260W	390W	470W	200W	260W	390W	470W	200W	260W	390W	
4Ω立体声输出功率 4Ω Stereo Output Power	380W	480W	750W	910W	380W	480W	750W	910W	380W	480W	750W	
2Ω立体声输出功率 2Ω Stereo Output Power	600W	750W	1200W	1450W	600W	750W	1200W	1450W	600W	750W	1200W	
8Ω桥接 8Ω Bridge Output Power	720W	950W	1400W	1600W	720W	950W	1400W	1600W	720W	950W	1400W	
频响Frequency response (1W,8ohms)+0/-3dB	10Hz-20kHz											
总谐波失真 1KHz THD	0.02-0.05%											
信噪比 S/N rate	>100dB											
阻尼系数 Damping factor	>600											
分离度 Crosstalk	>70											
输入灵敏度 Input sensitivity	0.775V 1.4V 2.8V				0.775V 1.2V							
输入阻抗 Input impedance	>10KΩ 平衡或非平衡平衡或非平衡/balanced or unbalanced											
输出类别 Output circuitry	D类											
输入接口 Input connector	凸/凹端XLR											
输出接口 Output connector	Speakon											
冷却 Cooling	2个风扇,气流前面板向后通风,两级风速,根据温度而定。 2 fans, airflow from the front panel to rear panel, 2-set wind speed, according to the temperature.											
产品尺寸 Product dimension(mm)	483mm×295mm×45mm				483mm×320mm×45mm				483mm×420mm×45mm			
毛重 G.W	7kg	7.3kg	7.3kg	7.5kg	7kg	7.3kg	7.3kg	7.5kg	8kg	8kg	8.7kg	

VDA SERIES

灵活多通道系列, 适合会议/小型安装

Multi-channel models, suitable for conference, and small events.

SOUNDPAUL®



FDX SERIES

触摸屏智能DSP高端专业演出/娱乐系列 (Dante可选)

Built-in intelligent touch screen DSP for highend professional performance/entertainment .(Dante available)

电脑DSP界面显示
Computer DSP interface display



触摸屏智能DSP高端专业演出/娱乐系列 (Dante可选)

- 全新FDX类高效率开关电源四通道功放,最大功率可达到8欧4X2400W
- 面板独设可变LED灯条,可根据不同的工作模式自动转换绿,黄,红三种颜色。
- 音量旋钮/开关按钮独特的美观透光设计
- 面板通风网磁极可除,方便清理
- 带有VPL可调的输出电压限制器,使放大器可适用于任何的系统。
- 全方位的保护系统:带有过流、直流、超高频(VHF)、短路、主电源保险丝等保护电路和软起电路。适用于室内固定安装,娱乐,会议室等场所。
- 内置专业版96KHz采样频率的DSP,带有TCP/IP网络连接,可通过操作系统连接电脑调试,自带增益、延时、IIR功能。具备最强大的处理功能:提供IIR、FIR、Xover、动态均衡、系统增益匹配等精准处理。且多达24个预存位置。

Built-in intelligent touch screen DSP for highend professional performance/entertainment .(Dante available)

- NEW FDX class high efficiency SMPS 4 Channel amplifier, Maximum power up to (8 Ohm) 4channels X 2400W.
- The panel is equipped with a variable LED strip, which can automatically convert green, yellow and red colors according to different working modes.
- Unique and beautiful lighting volume knob / switch button design.
- Panel Ventilation Network Magnetic Pole can be removed, easy to clean up.
- With VPL adjustable output voltage limiter, the amplifier can be applied to any system.
- Comprehensive protection system: with overcurrent, DC, VHF, short circuit, main power fuse and other protection circuits and soft start circuits. Suitable for indoor fixed installation, entertainment, meeting rooms and other places.
- Combined with high performance, stable 24 presets 96KHz digital DSP processor, providing EQ, linear phase, delay, limiter and IIR, FIR functions.

特点/Features:

- 整机采用精密优质元件制造而成
- 解决了同类产品电源供电不足的难题。
- FDX系列产品适用于大型演出, 高端娱乐, 体育馆。
- 适合匹配优质品牌音箱令其声音更出色。
- The whole product is made of precision and high-quality components
- Solve the problem of insufficient power supply for similar products.
- FDX series products are suitable for large performances, high-end entertainment, gymnasiums.
- It is suitable for matching good brand speakers to make the sound better.

FDX 开关电源功放 SERIES



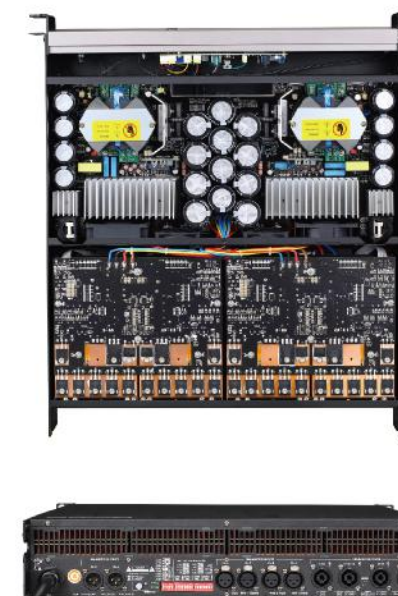
型号 Model	FDX13.13	FDX16.16	FDX20.20	FDX24.24	FDX24.13	FDX24.16	FDX24.20
通道 Channel	4	4	4	4	4	4	4
8Ω立体声输出功率/ 8Ω Stereo	1300W	1600W	2000W	2400W	2400W*2+1300W*2	2400W*2+1600W*2	2400W*2+2000W*2
4Ω立体声输出功率/ 4Ω Stereo	2100W	3200W	4000W	4600W	4600W*2+2100W*2	4600W*2+3200W*2	4600W*2+4000W*2
2Ω立体声输出功率/ 2Ω Stereo	2500W	6000W	8000W	9000W	9000W*2+2500W*2	9000W*2+6000W*2	9000W*2+8000W*2
8Ω桥接/ 8Ω Bridge	4200W	6500W	8500W	9500W	9500W*2+4200W*2	9500W*2+6500W*2	9500W*2+8500W*2
4Ω桥接/ 4Ω Bridge	5000W	11000W	14000W	16000W	16000W*2+5000W*2	16000W*2+11000W*2	16000W*2+14000W*2
频响 Frequency response(1W,8ohms)+0/-3dB							6.8Hz-34kHz
总谐波失真 1KHz THD							<0.05%
信噪比 S/N rate							>112dBA
阻尼系数 Damping factor							≥2000
分离度 Crosstalk							>70
输入灵敏度 Input sensitivity							23, 26, 29, 32, 35, 38, 41, 44dB
输入阻抗 Input impedance							20KΩ/平衡
输出类别 Output circuitry							FTD类
冷却 Cooling							四个风扇, 气流从前面板向后面板, 无级风速, 根据温度而定。 4 fans, airflow from the front panel to rear panel; Variable wind speed, according to the temperature.
产品尺寸 Product dimension(mm)							484mm×490mm×89mm
毛重 G.W	20kg	20kg	20.3kg	20.3kg	20.3kg	20.5kg	20.5kg

FD系列专业演出和娱乐系列

- 全新TD类高效率开关电源四通道功放,最大功率可达8欧4X2400W
- 面板独创可变LED灯条,可根据不同的工作模式自动转换绿,黄,红三种颜色。
- 音量旋钮/开关按钮独特的美观透光设计
- 面板通风网磁极可除,方便清理
- 带有VPL可调的输出电压限制器,使放大器可适用于任何的系统。
- 清晰美观显示屏:精准显示工作的电压,风扇速度,工作信号的大小,温度及监控每个通道温度/电屏
- 全方位的保护系统:带有过流、直流、超高频(VHF)、短路、主电源保险丝等保护电路和软启动电路。适用于室内固定安装,娱乐,会议室等场所。

Professional performance and entertainment series

- NEW TD class high efficiency SMPS 4 Channel amplifier, Maximum power up to (8 Ohm) 4channels X 2400W.
- The panel is equipped with a variable LED strip, which can automatically convert green, yellow and red colors according to different working modes.
- Unique and beautiful lighting volume knob / switch button design.
- Panel Ventilation Network Magnetic Pole can be removed, easy to clean up.
- With VPL adjustable output voltage limiter, the amplifier can be applied to any system.
- Clear and beautiful display: accurately display the working voltage, fan speed, working signal, temperature and monitor the temperature of each channel.
- Comprehensive protection system: with overcurrent, DC, VHF, short circuit, main power fuse and other protection circuits and soft start circuits. Suitable for indoor fixed installation, entertainment, meeting rooms and other places.



特点/Features:

- 全机采用精密优质元件制造而成
- 解决了同类产品电源供电不足的难题。
- FD系列产品适用于大型演出,高端娱乐,体育馆。
- 适合匹配优质品牌音箱令其声音更出色。
- The whole product is made of precision and high-quality components
- Solve the problem of insufficient power supply for similar products.
- FD series products are suitable for large performances, high-end entertainment, gymnasiums.
- It is suitable for matching good brand speakers to make the sound better.

型号 Model	FD13.13	FD16.16	FD20.20	FD24.24	FD24.13	FD24.16	FD24.20
通道 Channel	4	4	4	4	4	4	4
8Ω立体声输出功率/ 8Ω Stereo	1300W	1600W	2000W	2400W	2400W*2+1300W*2	2400W*2+1600W*2	2400W*2+2000W*2
4Ω立体声输出功率/ 4Ω Stereo	2100W	3200W	4000W	4600W	4600W*2+2100W*2	4600W*2+3200W*2	4600W*2+4000W*2
2Ω立体声输出功率/ 2Ω Stereo	2500W	6000W	8000W	9000W	9000W*2+2500W*2	9000W*2+6000W*2	9000W*2+8000W*2
8Ω桥接/ 8Ω Bridge	4200W	6500W	8500W	9500W	9500W*2+4200W*2	9500W*2+6500W*2	9500W*2+8500W*2
4Ω桥接/ 4Ω Bridge	5000W	11000W	14000W	16000W	16000W*2+5000W*2	16000W*2+11000W*2	16000W*2+14000W*2
频响 Frequency response(1W,8ohms)+0/-3dB							6.8Hz-34kHz
总谐波失真 1KHz THD							<0.05%
信噪比 S/N rate							>112dBA
阻尼系数 Damping factor							≥2000
分离度 Crosstalk							>70
输入灵敏度 Input sensitivity							23, 26, 29, 32, 35, 38, 41, 44dB
输入阻抗 Input impedance							20KΩ/平衡
输出类别 Output circuitry							FTD类
冷却 Cooling							四个风扇,气流从前面板向后面板,无级风速,根据温度而定。 4 fans, airflow from the front panel to rear panel; Variable wind speed, according to the temperature.
产品尺寸 Product dimension(mm)							484mm×490mm×89mm
毛重 G.W	20kg	20kg	20.3kg	20.3kg	20.3kg	20.5kg	20.5kg



FD SERIES

高端专业演出和娱乐系列

High-end professional performance and entertainment

专业时尚触摸屏DSP操作/Dante可选, 专业演出系列

- 提供四通道为最大8欧姆4*1700W, 两通道为2 x 2350瓦型号. 重量仅为16KGS
- 超高效的FTD类技术开关电源, 实现了极高的可靠性, 无噪音, 卓越的瞬时响应和低功耗
- DPX系列产品带有可VPL可调的输出电压限制器, 使放大器可适用于任何的系统
- 全方位的保护系统: 带有过流、直流、超高频(VHF)、短路、主电源保险丝等保护电路和软启动电路
- 为了能在极恶劣的条件下保持适合的工作温度。FAC系列使用了成千块紫铜散热片, 以增强外露散热元件的快速散热能力, 另外, 所有散热的元件均位于同一气流横截面, 以获得同样的散热效果, 而FAC系列功率放大器产品就足以应付所有高端定位的工程项目
- 面板配置美观多彩的大屏幕显示屏, 内置专业96kHz采样 DSP
- 可通过局域网/USB连接, 用电脑控制和监测DSP增益, 延迟, IIR等功能
- 提供强大的处理功能: IIR、FIR、Xover、动态均衡、系统增益匹配等精密处理。且有长达50个预置

Fashionable touch screen DSP operation/ Dante available, professional performance series

- Delivers four channels up to 4 x 1700W @8 ohms, two channel up to 2 x 2350W @8 ohms models. Weight is only 9KGS
- Ultra-efficient reliable class-FTD technology switch-mode power supply for noise-free audio, superior transient response and low power consumption
- with the VPL adjustable output voltage limiter, the amplifier is applied to any system
- Full protection systems: with over current, DC, the ultra-high frequency (VHF), short-circuits, the main power fuse protection circuitry and soft start circuitry
- In order to maintain a suitable working temperature under extremely harsh conditions, the DPX series use one thousand copper heat cooling sink to enhance the rapid cooling ability for the cooling of exposed components, and, all cooling components are located in the same air flow cross-section, in order to get the same cooling effect, while the FC series power amplifier products it is sufficient to meet all the high-end positioning projects
- panel with beautiful and colorful big display, built-in with professional 96kHz sampling DSP
- supplying the powerful processing functions: IIR, FIR, Xover, dynamic equalization, system gain matching and other precise processing. and up to 50 presets
- the same cooling effect, while the FAC series power amplifier products it is sufficient to meet all the high-end positioning projects.



型号 Model	PCX4000	PCX7000	PCX9000	PCX14000	PCX6000Q	PCX10000Q	PCX15000Q	PCX20000Q
通道Channel	2	2	2	2	4	4	4	4
8Ω立体声输出功率/ 8Ω Stereo Output Power	800W	1450W	1600W	2350W	625W	1300W	1500W	1700W
4Ω立体声输出功率/ 4Ω Stereo Output Power	1600W	2800W	3000W	4400W	1250W	2100W	2700W	3000W
2Ω立体声输出功率/ 2Ω Stereo Output Power	2000W	3500W	4500W	7000W	1500W	2500W	4000W	4500W
8Ω桥接/ 8Ω Bridge Output Power	3200W	5600W	6000W	8800W	2500W	4200W	5400W	6000W
4Ω桥接/ 4Ω Bridge Output Power	4000W	7000W	9000W	14000W	3000W	5000W	8000W	8000W
频响 Frequency response(1W,8ohms)+0/-3dB	6.8Hz-34kHz							
总谐波失真 1KHz THD	<0.05%							
信噪比 S/N rate	>112dB							
阻尼系数 Damping factor	≥2000							
分离度 Crosstalk	>70							
输入灵敏度 Input sensitivity	23, 26, 29, 32, 35, 38, 41, 44dB							
输入阻抗 Input impedance	20KΩ/平衡							
输出类别 Output circuitry	FTD类							
冷却 Cooling	四个风扇, 气流从前面板向后面板, 无级风速, 根据温度而定。 4 fans, airflow from the front panel to rear panel; Variable wind speed, according to the temperature.							
产品尺寸 Product dimension(mm)	483mm×396mm×88mm							
毛重 G.W	14kg	15kg	15kg	15.3kg	15.5kg	16kg	16kg	16kg

PCX SERIES

专业时尚触摸屏DSP操作/Dante可选, 专业演出系列
Fashionable touch screen DSP operation/ Dante available
professional performance series

电脑DSP界面显示
Computer DSP interface display

FAC SERIES

智能DSP可选, 专业演出系列

DSP optional, professional performance series

电脑DSP界面显示

Computer DSP interface display



具有DSP控制和USB接口的FAC系列功率放大器

- 提供四通道为最大8欧姆4*1500W, 两通道为2 x 2350瓦型号. 重量仅为16KGS;
- 超高效的FTD类技术开关电源, 实现了极高的可靠性, 无噪音, 卓越的瞬态响应和低功耗
- 高性能DSP和24位/96 kHz转换器提供极致的信号完整性和极限动态范围
- DSP部分具有复杂的延迟, 分频(凹槽和搁架滤波器), EQ(48个全参数均衡器), 动态处理和可锁定的安全设置
- 前面板LCD显示屏无需PC即可进行设置和调整, 并可通过USB连接PC进行操控. 方便快捷.
- 具有20个用户 - 和20个出厂预设存储效果
- FAC系列产品带有可VPL可调的输出电压限制器, 使放大器可适用于任何的系统.
- 全方位的保护系统: 带有过流、直流、超高频(VHF)、短路、主电源保险丝等保护电路和软启动电路.
- 为了能在极恶劣的条件下保持适合的工作温度。FAC系列使用了成千块紫铜散热片, 以增强外露散热元件的快速散热能力, 另外, 所有散热的元件均位于同一气流横截面, 以获得同样的散热效果, 而FAC系列功率放大器产品就足以应付所有高端定位的工程项目

FAC series Power Amplifier with DSP Control & USB Interface

- Delivers four channels up to 4 x 1500W @8 ohms, two channel up to 2 x 2350W @8 ohms models. Weight is only 9KGS;
- Ultra-efficient reliable class-FTD technology switch-mode power supply for noise-free audio, superior transient response and low power consumption
- High-performance DSP and 24-bit/96 kHz converters deliver ultimate signal integrity and extreme dynamic range
- DSP section features sophisticated delay, crossover (Notch & shelving filters), EQ (48 full parametric EQs), dynamics processing and lockable security settings
- Front panel LCD display enables setup and adjustment without PC, also can connect USB for fast PC control.
- 20 user- & 20 factory-presets storage by on-board NV-Memory
- FAC series with the VPL adjustable output voltage limiter, the amplifier is applied to any system.
- Full protection systems: with over current, DC, the ultra-high frequency (VHF), short-circuits, the main power fuse protection circuitry and soft start circuitry.
- In order to maintain a suitable working temperature under extremely harsh conditions, the FAC series use one thousand copper heat cooling sink to enhance the rapid cooling ability for the cooling of exposed components, and, all cooling components are located in the same air flow cross-section, in order to get the same cooling effect, while the FAC series power amplifier products it is sufficient to meet all the high-end positioning projects.

FA/FAC 开关电源功放 SERIES



型号 Model	FA4000	FA7000	FA9000	FA14000	FA6000Q	FA10000Q	FA15000Q
	FAC4000	FAC7000	FAC9000	FAC14000	FAC6000Q	FAC10000Q	FAC15000Q
通道Channel	2	2	2	2	4	4	4
8Ω立体声输出功率/ 8Ω Stereo Output Power	800W	1450W	1600W	2350W	625W	1300W	1500W
4Ω立体声输出功率/ 4Ω Stereo Output Power	1600W	2800W	3000W	4400W	1250W	2100W	2700W
2Ω立体声输出功率/ 2Ω Stereo Output Power	2000W	3500W	4500W	7000W	1500W	2500W	4000W
8Ω桥接/ 8Ω Bridge Output Power	3200W	5600W	6000W	8800W	2500W	4200W	5400W
4Ω桥接/ 4Ω Bridge Output Power	4000W	7000W	9000W	14000W	3000W	5000W	8000W
频响 Frequency response(1W,8ohms)+0/-3dB				6.8Hz-34kHz			
总谐波失真 1KHz THD				<0.05%			
信噪比 S/N rate				>112dBA			
阻尼系数 Damping factor				≥2000			
分离度 Crosstalk				>70			
输入灵敏度 Input sensitivity				23, 26, 29, 32, 35, 38, 41, 44dB			
输入阻抗 Input impedance				20KΩ/平衡			
输出类别 Output circuitry				FTD类			
冷却 Cooling				四个风扇, 气流从前面板向后面板, 无级风速, 根据温度而定。 4 fans, airflow from the front panel to rear panel; Variable wind speed, according to the temperature.			
产品尺寸 Product dimension(mm)				483mm×396mm×88mm			
毛重 G.W	14kg	15kg	15kg	15.3kg	15.5kg	16kg	16kg



PC/FC SERIES

智能DSP可选，专业演出和娱乐系列

DSP OPTIONAL, PROFESSIONAL PERFORMANCE SERIES



具有DSP控制和USB接口的FC系列功率放大器

- 提供四通道为最大8欧姆4*1700W,两通道为2x2350瓦型号.重量仅为16KGS;
- 超高效的FTD类技术开关电源,实现了极高的可靠性,无噪音,卓越的瞬态响应和低功耗
- 高性能DSP和24位/96 kHz转换器提供极致的信号完整性和极限动态范围
- DSP部分具有复杂的延迟,分频(凹槽和搁架滤波器),EQ(48个全参数均衡器),动态处理和可锁定的安全设置
- 前面板LCD显示屏无需PC即可进行设置和调整,并可通过USB连接PC进行操控.方便快捷。
- 具有20个用户-和20个出厂预设存储效果
- FC系列产品带有可VPL可调的输出电压限制器,使放大器可适用于任何的系统。
- 全方位的保护系统:带有过流、直流、超高频(VHF)、短路、主电源保险丝等保护电路和软启动电路。
- 为了能在极恶劣的条件下保持适合的工作温度.FC系列使用了成千块紫铜散热片,以增强外露散热元件的快速散热能力,另外,所有散热的元件均位于同一气流横截面,以获得同样的散热效果,而FC系列功率放大器产品就足以应付所有高端定位的工程项目

FC series Power Amplifier with Control & USB Interface

- Delivers four channels up to 4 x 1700W @8 ohms, two channel up to 2 x 2350W @8 ohms models. Weight is only 9KGS;
- Ultra-efficient reliable class-FTD technology switch-mode power supply for noise-free audio, superior transient response and low power consumption
- High-performance DSP and 24-bit/96 kHz converters deliver ultimate signal integrity and extreme dynamic range
- DSP section features sophisticated delay, crossover (Notch & shelving filters), EQ (48 full parametric EQs), dynamics processing and lockable security settings
- Front panel LCD display enables setup and adjustment without PC, also can connect USB for fast PC control.
- 20 user- & 20 factory-presets storage by on-board NV-Memory
- FC series with the VPL adjustable output voltage limiter, the amplifier is applied to any system.
- Full protection systems: with over current, DC, the ultra-high frequency (VHF), short-circuits, the main power fuse protection circuitry and soft start circuitry.
- In order to maintain a suitable working temperature under extremely harsh conditions, the FC series use one thousand copper heat cooling sink to enhance the rapid cooling ability for the cooling of exposed components, and, all cooling components are located in the same air flow cross-section, in order to get the same cooling effect, while the FC series power amplifier products it is sufficient to meet all the high-end positioning projects.

PC/FC 开关电源功放 SERIES



型号 Model	PC4000	PC7000	PC9000	PC14000	PC6000Q	PC10000Q	PC13000Q	PC20000Q
	FC2.3	FC2.6	FC2.9	FC2.24	FC8	FC12	FC16	FC18
8Ω立体声输出功率/ 8Ω Stereo Output Power	800W	1450W	1600W	2350W	625W	1300W	1500W	1700W
4Ω立体声输出功率/ 4Ω Stereo Output Power	1600W	2800W	3000W	4400W	1250W	2100W	2700W	3000W
2Ω立体声输出功率/ 2Ω Stereo Output Power	2000W	3500W	4500W	7000W	1500W	2500W	4000W	4500W
8Ω桥接/ 8Ω Bridge Output Power	3200W	5600W	6000W	8800W	2500W	4200W	5400W	6000W
4Ω桥接/ 4Ω Bridge Output Power	4000W	7000W	9000W	14000W	3000W	5000W	8000W	9000W
频响 Frequency response(1W,8ohms)+0/-3dB				6.8Hz-34kHz				
总谐波失真 1KHz THD				<0.05%				
信噪比 S/N rate				>112dBA				
阻尼系数 Damping factor				≥2000				
分离度 Crosstalk				>70				
输入灵敏度 Input sensitivity				23,26,29,32,35,38,41,44dB				
输入阻抗 Input impedance				20KΩ/平衡				
输出类别 Output circuitry				FTD类				
冷却 Cooling	4个风扇,气流从前面板向后板,无级变速风速,根据温度而定。							
	4 fans, airflow from front panel to the rear panel, Variable wind speed, according to the temperature.							
毛重 G.W	14kg	15kg	15kg	15.3kg	15.5kg	16kg	16kg	16kg



PQ/FP+ SERIES

高清智能显示, 娱乐/室内固定安装系列

HD smart LCD display, entertainment / indoor fixed installation series

PQ 娱乐/室内固定安装系列

- 具有卓越性能的核心,是FTD类输出电路。这是一项突破术的放大器的技术,能使高效率的D类放大器产品保持了A/B类放大器音质纯净的特性。
- 另一项为PQ系列的卓越效率作出贡献的是开关式稳定电源(R.SMPS)它能提高输出级供电电压的稳定性,即使在主电源电压大波动时,也可以保持稳定的功率输出,全新设计的高精度电路板布线R.SMPS和FTD类输出级的作用相得益彰,从而使PQ系列拥有强大的功率和较多的声道数量。
- PQ系列产品带有可VPL可调的输出电压限制器,使放大器可适用于任何的系统。
- 全方位的保护系统,带有过流、直流、超高频((VHF)、短路、主电源保险丝等保护电路和软启动电路。
- 清晰美观显示屏:精准显示工作的电压,风扇速度,工作信号的大小,温度及监控每个通道温度/电屏

PQ entertainment / indoor fixed installation series

- Pure sound performance and strong power defines the PQ series.
- With the excellent performance core, it's the FTD class output circuit. This amplifier technology, a breakthrough technique, enables high efficiency Class D amplifier products to maintain the pristine sound-quality characteristics of the class A / B amplifier.
- Another outstanding efficiency contribution for the PQ series is the stable switching power supply (R.SMPS), which can improve the stability of the output stage supply voltage, even with large fluctuations in the main power supply voltage, it also can be maintained stable power output; the newly designed high-precision circuit board wiring of R.SMPS and the FTD output class are complementally for each other, so that the PQ series has a strong power and more numbers of channels.
- PQ series with the VPL adjustable output voltage limiter, the amplifier is applied to any system.
- All-round protection systems: with over current, DC, the ultra-high frequency (VHF), short-circuits, the main power fuse protection circuitry and soft start circuitry.
- Clear and beautiful display screen: display the working voltage, fan speed, working signal size, temperature and monitor the temperature of each channel / Screen.

PQ/FP+ SERIES 开关电源功放



型号 Model	PQ4000	PQ7000	PQ9000	PQ6000	PQ10000	PQ13000
	FP+4000	FP+7000	FP+9000	FP+8000Q	FP+10000Q	FP+13000Q
通道 CHANNELS	2	2	2	4	4	4
8Ω立体声输出功率/ 8Ω Stereo Output Power	800W	1450W	1600W	800W	1000W	1300W
4Ω立体声输出功率/ 4Ω Stereo Output Power	1600W	2800W	3000W	1600W	1800W	2100W
2Ω立体声输出功率/ 2Ω Stereo Output Power	2000W	3500W	4500W	2000W	2300W	2500W
8Ω桥接/ 8Ω Bridge Output Power	3200W	5600W	6000W	3200W	3500W	4200W
4Ω桥接/ 4Ω Bridge Output Power	4000W	7000W	9000W	4000W	4500W	5000W
频响 Frequency response(1W,8ohms)+0/-3dB	6.8Hz-34kHz					
总谐波失真 1KHz THD	<0.05%					
信噪比 S/N rate	>112dBA					
阻尼系数 Damping factor	≥2000					
分离度 Crosstalk	>70					
输入灵敏度 Input sensitivity	23, 26, 29, 32, 35, 38, 41, 44dB					
输入阻抗 Input impedance	20KΩ BLANCED					
输出类别 Output circuitry	FTD					
冷却 Cooling	4个风扇, 气流从前面板向后板, 无级变速风速, 根据温度而定。 4 fans, airflow from the front panel to rear panel; Variable wind speed, according to the temperature.					
产品尺寸 Product dimension(mm)	483mm×396mm×88mm					
毛重 G.W	15kg	15.3kg	15.3kg	15.5kg	15.5kg	15.5kg



MC系列智能显示, 高效大功率TD类独立模块功放

- 全新TD类高效率功放, 二/四通道设计, 最大功率可达到8欧4X1300W, 2X1300W
- 面板独设可变LED灯条, 可根据不同的工作模式自动转换绿, 黄, 红三种颜色。
- 音量旋钮/开关按钮独特的美观透光设计
- 面板通风网磁极可除, 方便清理
- 每个通道独立模块, 方便维修
- 清晰美观显示屏: 精准显示工作的电压, 风扇速度, 工作信号的大小, 温度及监控每个通道温度/电屏
- 适用于室内固定安装, 娱乐, 会议室等场所。

MC series with intelligent display, high-efficiency and high-power TD class independent module

- NEW TD class high efficiency amplifier, 2 / 4 Channel Design, maximum power up to (8 Ohm) 4channels X 1300W, 2 channels X 1300W.
- The panel is equipped with a variable LED strip, which can automatically convert green, yellow and red colors according to different working modes.
- Unique and beautiful lighting volume knob / switch button design.
- Panel Ventilation Network Magnetic Pole can be removed, easy to clean up.
- Each channel has separated module for easy maintenance.
- Clear and beautiful display screen: display the working voltage, fan speed, working signal size, temperature and monitor the temperature of each channel / Screen.
- Recommended for indoor fixed installation, entertainment, meeting room and other places.



4ch



2ch



4ch



2ch

型号 Model	MC4.6	MC4.8	MC4.10	MC4.13	MC4.16	MC4.20	MC2.6	MC2.8	MC2.10	MC2.13
通道数CHANNELS	4	4	4	4	4	4	2	2	2	2
8Ω输出功率/8Ω output power/stereo	600W	800W	1000W	1300W	1600W	2000W	600W	800W	1000W	1300W
4Ω输出功率/4Ω output power/stereo	900W	1200W	1500W	1950W	2400W	3000W	940W	1200W	1500W	1900W
2Ω输出功率/2Ω output power/stereo	1200W	1600W	2000W	2600W	3200W	4000W	/	/	/	/
8Ω桥接输出功率/8Ωbridge output power	1800W	2400W	3000W	3900W	4800W	6000W	1930W	2400W	2850W	3655W
频率响应 Frequency response(1W,8ohms)+0/-3dB	20Hz-20kHz									
总谐波失真 THD 1KHz	<0.1%									
信噪比 S/N rate	≥105dB ≥95dB ≥95dB ≥95dB									
阻尼系数 Damping factor	>350									
分离度 Crosstalk	≥80dB									
输入灵敏度 Input sensitivity	1.4V/1.0V/0.775V									
输入阻抗 Input impedance	20KΩ balance/10KΩunbalance									
输出类别 Output circuitry	FTD	FTD	FTD	FTD	FTD	FTD	FTD	FTD	FTD	FTD
冷却 Cooling	2个风扇, 从前面板到后面板的气流, 智能无级风速 2 fans, airflow from front panel to rear panel, intelligent stepless wind speed									
毛重 G.W	26kg	27kg	28kg	29.3kg	33kg	35kg	22kg	22.5kg	23kg	25kg
产品尺寸 Product dimension(mm)	483mm×89mm×476mm						483*89*410mm			

MC SERIES

高清智能显示, 专业演出和娱乐系列
HD smart LCD display, professional performance series



专业的选择: 性价比高、稳定性强和强劲输出功率的HK系列

- HK系列采用了先进的线性H类电路技术核心
- 采用音频专用超大环型变压器和超大容量的滤波电容, 给功放提供超过额定功率两倍的功率储备和极佳的充放电速度, 令整机动态响应表现更为出色
- 配置清晰显示屏: 精准显示工作的电压, 风扇速度, 工作信号的大小, 温度及监控每个通道温度
- HK系列具有性价比高、稳定性强和强劲的输出功率而受到广大用户的青睐
- 后板配置每通道可调分频器, 可自由设置中高低音频
- 全方位保护电路: 带有过流、直流、过热、短路、主电源保险丝等保护电路来保证整机的安全, 令用户使用起来更加安全放心
- 适用于室内固定安装, 娱乐, 会议室等场所。

Professional choice: HK series with high cost-effectiveness, strong stability, and strong output power

- HK series adopts the most advanced technical core of linear H class circuit
- With cost-effective, highly reliable and strong power is favored by the majority of customers
- with audio-specific ultra-large toroidal transformer and large capacity filter capacitor to provide more than twice rated power reserve and excellent charge and discharge speed, so that the overall dynamic response performance can be even better
- with clear LCD display: for working voltage, working signal, temperature and monitor the temperature of each channel
- The rear panel is equipped with adjustable frequency Crossover for each channel, allowing for free setting of high mid and low audio frequencies
- Fully protection circuit: with over-current, DC, overheating, short circuit, the main power fuse and so on protection circuit to ensure the safety of the whole unit, to enable users using it more safely and securely
- Suitable for indoor and outdoor fixed installation, entertainment, conference rooms and other professional events



型号 Model	HK10K20	HK10K18	HK10K15	HK10K13	HK10K10
8Ω立体声输出功率/ 8Ω Stereo Output Power	2100W	1900W	1500W	1300W	1000W
4Ω立体声输出功率/ 4Ω Stereo Output Power	3875W	3000W	2700W	2350W	1800W
2Ω立体声输出功率/ 2Ω Stereo Output Power	6272W	5700W	4320W	3750W	2900W
8Ω桥接/ 8Ω Bridged	6498W	5900W	4600W	3900W	3100W
4Ω桥接/ 8Ω Bridged	10400W	9400W	7050W	6100W	4700W
频响Frequency response(1W,8ohms)+0/-3dB	20Hz-20KHz				
总谐波失真1KHz	<0.1%				
信噪比 S/N rate	≥105dB				
阻尼系数 Damping factor	>350				
分离度 Crosstalk	>70				
输入灵敏度 Input sensitivity	2.5V/1.4V/0.775V				
输入阻抗 Input impedance	24KΩ balance/12KΩunbalance平衡24KΩ/不平衡12KΩ				
输出类别 Output circuitry	H				
面板控制Front panel control	交流电源开关; LED: 电源(绿色)、信号(绿色)-5 dB/-10dB/-20dB(绿色)、削波(橙色)、保护(红色); 音量控制器 AC power switch; LED: power supply (green), signal (green) -5 dB/-10dB/-20dB (green) clipping (orange), protection (red); Volume controller				
后板控制Rear panel control	输入模式: 桥接、并行、立体声; 灵敏度: 0.775V、1.4V、2.5V Input mode: bridging parallel, stereo; Sensitivity: 0.775V, 1.4V, 2.5V				
输入接口Input connector	凸/凹端XLR Male/female XLR				
输出接口Output connector	Speakon				
冷却Cooling	4个风扇, 气流从前面板向后面板, 智能无级风速 4 fans airflow from rear panel to front panel, intelligent Variable Wind speed				

HK SERIES

专业的选择: 性价比高、稳定性强和强劲输出功率的HK系列

Professional choice: HK series with high cost-effectiveness, strong stability, and strong output power

MP 传统功放 SERIES



高效TD类线路, 双变压器设计, 打造一流音质与品质

•具有卓越性能的核心,是FTD类输出电路。这是一项突破性的放大器的技术,能使高效率的D类放大器产品保持了A/B类放大器音质纯净的特性。

•MP系列是一款高保真的专业功放,结构紧凑,采用2个环形变压器,从而使得音质更加通透细腻。

•全方位的保护系统:带有过流、直流、超高频(VHF)、短路、主电源保险丝等保护电路和软启动电路。

•为了能在极恶劣的条件下保持适合的工作温度。MP系列使用了成千块紫铜散热片,以增强外露散热元件的快速散热能力,另外,所有散热的元件均位于同一气流横截面,以获得同样的散热效果,而MP系列功率放大器产品就足以应付所有高端定位的工程项目。

MP series brings you excellent sound & quality

•With the excellent performance core, it's the FTD class output circuit. This amplifier technology, a breakthrough technique, enables high efficiency Class D amplifier products to maintain the pristine sound-quality characteristics of the class A / B amplifier.

•MP series is a professional hi-fi amplifier, compact structure, with 2 toroidal transformers, Making the sound more transparent and delicate.

•All-round protection systems: with over current, DC, the ultra-high frequency (VHF), short-circuits, the main power fuse protection circuitry and soft start circuitry.

•In order to maintain a suitable working temperature under extremely harsh conditions, the MP series use one thousand copper heat cooling sink to enhance the rapid cooling ability for the cooling of exposed components, and, all cooling components are located in the same air flow cross-section, in order to get the same cooling effect, while the MP series power amplifier products it is sufficient to meet all the high-end positioning projects.

型号 Model	MP6000Q	MP8000Q	MP10000Q
8Ω输出功率/立体声 8Ωstereo output power	650W	820W	1000W
4Ω输出功率/立体声 4Ωstereo output power	1140W	1300W	1600W
2Ω输出功率/立体声 2Ωstereo output power	1450W	2200W	2780W
8Ω桥接 8Ωbridge output power	2235W	2750W	3350W
4Ω桥接 4Ωbridge output power	2800W	4000W	4900W
频响 Frequency response(1W,80ohms)+0/-3dB		6.8Hz-34kHz	
总谐波失真 1KHz THD+N		<0.05%	
信噪比 S/N rate		>112dBA	
阻尼系数 Damping factor		≥2000	
分离度 Crosstalk		>70	
输入灵敏度 Input sensitivity	23, 26, 29, 32, 35, 38, 41, 44dB		
输入阻抗 Input impedance	20KΩ/平衡 20KΩ/balanced		
输出类别 Output circuitry	FTD		
冷却 Cooling	2个风扇,气流从前面板向后面板,无级风速,根据温度而定。 2 pans, airflow from front panel to the rear panel, Variable wind speed, according to the temperature.		
产品尺寸 Product dimension(mm)	483mm×411mm×88mm		
毛重 G.W	27kg	27.5kg	28.5kg

HA 传统功放 SERIES



HA四通道功放具有良好的声音质量和可靠性

•HA系列运用了先进的线性H类电路技术核心。

•采用音频专用超大环型变压器和超大容量的滤波电容,给功放提供超过额定功率两倍的功率储备和极佳的充放电速度,令整机动态响应表现更为出色。

•HA系列具有性价比高、稳定性强和强劲的输出功率而受到广大用户的青睐。

•内置固定可选高/中/低音分频器,完美配合不同的音箱设备;

•全方位保护电路:带有过流、直流、过热、短路、主电源保险丝等保护电路来保证整机的安全,令用户使用起来更加安全放心。

HA model has good sound quality and reliability

•HA series adopts the most advanced technical core of linear H class circuit.

•With cost-effective, highly reliable and strong power is favored by the majority of customers.

•with audio-specific ultra-large toroidal transformer and large capacity filter capacitor to provide more than twice rated power reserve and excellent charge and discharge speed, so that the overall dynamic response performance can be even better.

•Built-in fixed optional high / medium / bass Crossover, perfect for different speaker equipment;

•Fully protection circuit: with over-current, DC, overheating, short circuit, the main power fuse and so on protection circuit to ensure the safety of the whole unit, to enable users using it more safely and securely.

型号 Model	HA-4400	HA-4600	HA-4800
8Ω立体声输出功率/ 8Ω Stereo Output Power	400W	630W	800W
4Ω立体声输出功率/ 4Ω Stereo Output Power	800W	1100W	1300W
2Ω立体声输出功率/ 2Ω Stereo Output Power	900W	1850W	2200W
8Ω桥接/ 8Ω Bridge output	1300W	2250W	2750W
频响 Frequency response(1W,80ohms)+0/-3dB		10Hz-20kHz	
总谐波失真 THD+N		<0.1%	
信噪比 S/N rate		≥105dB	
阻尼系数 Damping factor		>350	
分离度 Crosstalk		≥80dB	
输入灵敏度 Input sensitivity (限制器关闭)	1.4V/1.0V/0.775V (可选择)		
输入阻抗 Input impedance	24KΩ/(平衡Balance)/12KΩ(平衡UnBalance)		
输出类别 Output circuitry	H		
毛重 G.W	28kg	30kg	32kg
产品尺寸 Product dimension(mm)	483mm×477mm×133mm		

WA 传统功放 SERIES



为了提供有力, 纯净的音质而设计的WA系列大功率功放

- 采用A级硅钢片和纯铜线大功率环形变压器, 令音质更加细腻强劲厚实。
- 具有卓越性能的核心FTD类放大器技术, 这是一项突破性的放大器技术, 能使高效率的D类放大器产品保持了AB类放大器音质纯净的特性。
- WA在设计上采用了安森美塑封管, 进一步优化了整个系统, 更加精准地满足了各种不同的需求。
- WA系列产品带有可VPL可调的输出电压限制器, 使放大器可适用于任何的系统。
- 全方位的保护系统: 带有过流、直流、超高频(VHF)、短路、主电源保险丝等保护电路和软启动电路。
- 为了能在极恶劣的条件下保持适合的工作温度, WA系列使用了百叶窗式紫铜片, 以增强外露散热元件的快速散热能力, 另外, 所有散热的元件均位于同一气流横截面, 以获得同样的散热效果, 而WA系列功率放大器产品就足以应付所有高端定位的工程项目。

WA high power amplifier is designed for a strong, pure sound quality

- Adopts A grade silicon steel and pure copper wire toroidal transformer, so the sound quality is more delicate and strong thick.
- With the superior performance of the core FTD class amplifier technology; this is a breakthrough amplifier technology, enables high-efficiency Class D amplifier products to maintain the pristine sound quality of a Class AB amplifier.
- WA series adopts ON plastic tube in design, optimized the entire system better, to meet the various needs with more precise.
- The WAseries come with VPL adjustable output voltage limiter, and this amplifier is applied to any system.
- All-round protection systems: with over current, DC, the ultra-high frequency (VHF), short-circuits, the main power fuse protection circuitry and soft start circuitry.
- In order to maintain a suitable working temperature under extremely harsh conditions, the WA series use the Louvered copper sheets to enhance the rapid cooling ability for the cooling of exposed components, and, all cooling components are located in the same air flow cross-section, in order to get the same cooling effect, while the WA series power amplifier products it is sufficient to meet all the high-end positioning projects.

型号 Model	WA30	WA32	WA34	WA36	WA48	WA58
8Ω立体声输出功率/ 8Ω Stereo Output Power	600W	850W	1050W	1300W	1600W	1800W
4Ω立体声输出功率/ 4Ω Stereo Output Power	920W	1300W	1600W	2000W	2400W	2700W
2Ω立体声输出功率/2Ω Stereo Output Power	1550W	2350W	2900W	3600W	4400W	4900W
8Ω桥接/8Ω Bridged Output Power	1600W	2500W	3100W	4070W	4800W	5300W
4Ω桥接/4Ω Bridged Output Power	3000W	4200W	5450W	7150W	9000W	9800W
频响 Frequency response(1W,80ohms)+0/-3dB	10Hz-20kHz					
总谐波失真 THD+N	<0.1%					
信噪比 S/N rate	≥90dB					
阻尼系数 Damping factor	≥350					
分离度 Crosstalk	≥80dB					
输入灵敏度 Input sensitivity	0.775V/1.2V/2.2V/3.0V					
输入阻抗 Input impedance	20K Ω balance/10K Ω unbalance 平衡20KΩ/不平衡10KΩ					
输出类别 Output circuitry	FTD					
毛重 G.W	32kg	34kg	36kg	38kg	39kg	40kg
产品尺寸 Product dimension(mm)	483mm×456mm×133mm					

VI 传统功放 SERIES



简约传统功放, 中小型扩声首选!

- 传统风格的优秀音质和优秀的持续输出能力。
- 全系列具备标准的工作模式和输入灵敏度选择。
- 全部采用AI自动化机械插件及SMD贴片制作工艺, 大大提高了产品的焊接可靠性和一致性。
- 推荐应用在娱乐工程和多媒体等。

Simple traditional power amplifier!

- The traditional style, excellent sound quality and excellent continuous output capability.
- The whole series is with standard operating mode and input sensitivity selection.
- Adopts AI automated machinery plug-ins and SMD production technology, greatly improving the welding reliability and consistency for this products.
- Recommended applications are entertainment projects and multimedia, etc.

型号 Model	VI250	VI350	VI500	VI700	VI900	VI1100
8Ω立体声输出功率/ 8Ω Stereo Output Power	210W	390W	560W	720W	913W	1120W
4Ω立体声输出功率/ 4Ω Stereo Output Power	320W	610W	930W	1190W	1450W	1750W
8Ω桥接/ 8Ω Bridge output	510W	1010W	1540W	1900W	2280W	2700W
频响 Frequency response(1W,8ohms)+0/-1dB	10Hz-20KHz					
总谐波失真 THD+N 20Hz-20KHz For 1W	<0.1%					
信噪比 S/N rate	>100dB					
阻尼系数 Damping factor	>300					
输入灵敏度 Input sensitivity (限制器关闭)	0.775V/1.0V/1.4V					
输入阻抗 Input impedance (平衡/非平衡)	>10KΩ 平衡或非平衡 balanced/unbalanced					
输出类别 Output circuitry	AB类 AB class		H类 H class			
输入接口 Input connector	凸/凹端XLR Convex / concave Terminal		XLR			
输出接口 Output connector	红黑接线柱 binding post; Speakon					
冷却 Cooling	2个风扇, 气流从前面板向后板, 无级风速, 根据温度而定。					
产品尺寸 Product dimension(mm)	483mm×346mm×89mm			483mm×396mm×89mm		
毛重 G.W	15.5kg	17kg	19kg	20kg	21kg	22kg
供电要求 Power	AC220V/50Hz-60Hz (可定制)					

HD2 传统功放 SERIES



HD两系列是全新的一款灵活性强的多功率范围放大器

- A4纸超短迷你2U机箱深度;
- 超大功率H类和TD类高效率转换放大器;
- 优秀的音质表现和工作稳定性,实现高性价比产品的定位;
- 外置低中高等后板可调频段滤波器功能和低频提升功能等多重选择。
- 8Ω 400-1500W多个型号可选,推荐应用在娱乐工程和多媒体等。
- 全方位保护电路:带有过流、直流、过热、短路、主电源保险丝等保护电路来保证整机的安全,令用户使用起来更加安全放心。

HD 2ch series is a new and flexible multi-power range amplifier.

- ultra short "A4 paper" mini 2U chassis depth;
- Excellent sound quality performance and working stability makes it the most cost-effective product;
- Ultra-high power class H and TD class high efficiency conversion amplifiers;
- Mutiple LOW,MID,HIGH adjustable frequency band filter functions and low-frequency boost function on rear panel.
- 8Ω 400-1500W multiple models are available, Recommended for applications such as entertainment and multimedia.
- Fully protection circuit: with over-current, DC, overheating, short circuit, the main power fuse and so on protection circuit to ensure the safety of the whole unit, to enable users using it more safely and securel

型号 Model	HD4000	HD6000	HD8000	HD10000	HD13000	HD15000
在220V-50Hz的稳压稳频供电条件下同时带电阻负载的每通道输出功率ALL channels driven output power(THD=1%)						
8Ω立体声输出功率/ 8Ω Stereo Output Power	400W	600W	740W	1000W	1300W	1500W
4Ω立体声输出功率/ 4Ω Stereo Output Power	630W	940W	1160W	1500W	1900W	2180W
8Ω桥接 bridge output	1290W	1930W	2380W	2850W	3655W	4418W
频响 Frequency response(1W,8ohms)	10Hz-20kHz					
总谐波失真 1KHz THD	<0.1%					
信噪比 S/N rate	≥105dB ≥95dB					
阻尼系数 Damping factor	>350					
分离度 Crosstalk	≥80dB					
输入灵敏度 Input sensitivity	1.4V/1.0V/0.775V					
输入阻抗 Input impedance	20K Q balance/10KQ unbalance平衡20KQ/不平衡10KQ					
输出类别 Output circuitry	H类 TD类					
冷却 Cooling	2个风扇, 气流从前面板向后面板, 无级风速, 根据温度而定 2 fans, airflow from rear panel to front panel, Variable Wind speed according to temperature					
产品尺寸 Product dimension(mm)	483*89*463.5					
毛重 G.W	15.3kg	16.4kg	17.5kg	19kg	20kg	21kg
供电要求 Power	AC220V/50Hz-60Hz(可定制)					

HD4 传统功放 SERIES



传统电源4通道功放,高性价比选择

- 具备传统风格的优秀音质和优秀的持续输出能力。
- 4通道2U高性能多功能设计,每一通道上有单独的可扫频高通与低通滤波器,可优化低音炮或者整个系统范围的输出。
- 可变速风扇提供安静与高效的冷却。
- 全部采用AI自动化机械插件及SMD贴片制作工艺,大大提高了产品的焊接可靠性和一致性。
- 全面的保护系统包括功率开/关哑音,DC检测,热保护,限流,与保护衰减器的保护盖。
- 推荐应用在娱乐工程和多媒体等。

Traditional power 4-channel amplifier, the best cost-effective choice!

- with the traditional style of excellent sound quality and excellent continuous output capacity.
- 4-channel 2U high-performance and multi-function design: with independent sweepable high-pass and low-pass filters on each channel so you can optimize output for subwoofer or full range systems.
- Variable-speed fans offer quiet, efficient cooling.
- Adopts AI automatic mechanical plug-in and SMD production technology, greatly improving the reliability and consistency of the welding of the product.
- Full protection includes power on/off muting, DC detection, thermal protection, current limiting, and a protective cover for the attenuators.
- Recommended for applications such as entertainment and multimedia.

型号 Model	HD2000Q	HD4000Q	HD6000Q	HD8000Q
在220V-50Hz的稳压稳频供电条件下同时带电阻负载的每通道输出功率ALL channels driven output power(THD=1%)				
8Ω立体声输出功率/ 8Ω Stereo Output Power	4*200W	4*400W	4*600W	4*800W
4Ω立体声输出功率/ 4Ω Stereo Output Power	4*300W	4*600W	4*900W	4*1300W
8Ω桥接 bridge output	4*650W	4*1300W	2*1900W	2*2500W
频响 Frequency response(1W,8ohms)	20Hz-20kHz +1/-1dB			
总谐波失真 1KHz THD	<0.1%			
信噪比 S/N rate	≥100dB			
阻尼系数 Damping factor	300			
分离度 Crosstalk	≥80dB			
输入灵敏度 Input sensitivity	0.775V/1.2V/2.5V			
输入阻抗 Input impedance	>10KΩ平衡或非平衡			
输出类别 Output circuitry	AB	H	H	H
冷却 Cooling	2个风扇, 气流从前面板向后面板, 无级风速, 根据温度而定 2 fans, airflow from rear panel to front panel, Variable Wind speed according to temperature			
产品尺寸 Product dimension(mm)	483*89*463.5			
毛重 G.W	23KG	24.5KG	26.2KG	28.2KG
供电要求 Power	AC220V/50Hz-60Hz(可定制)			

PFC 有源模块 SERIES



PFC10000

PFC21000

PFC41000

适用于专业应用的高效1/2通道D类放大器模块

- 高度紧凑的设计，将所有通道和电源集成在一个机箱中，使PFC系列成为独一无二的一款产品。
- 具备功率因素修正技术可确保在全球各种操作条件下，实现最优化和连贯的惯性表现。
- 智能轨管理技术可极大地降低空载功率消耗及本底噪声，最大化提高系统的能效。
- 内置专业版96KHz采样频率的DSP，带有TCP/IP网络连接，可通过操作系统连接电脑调试，自带增益、延时、IIR功能。
- 具备最强大的处理功能：提供IIR、FIR、Xover、动态均衡、系统增益匹配等精准处理。且多达24个预存位置。



电脑DSP界面显示

Computer DSP interface display



PFC10000

PFC21000

PFC41000

High Efficiency 1.2.3.4 Channels Class-D

Amplifier Module for Professional Applications

- Up to 1*1000w; 2*1000w; 3*1000w; 4*1000w available for 8ohms;
- The highly compact design, integrating all channels and the power supply in a single chassis, makes the PFC a unique product.
- With Power factor correction technology ensures optimal and consistent inertial performance under a wide range of operating conditions around the world.
- Intelligent track management technology can greatly reduce the no-load power consumption and noise floor, and maximize the energy efficiency of the system.
- Combined with high performance, stable 24 presets digital DSP processor, providing EQ, linear phase, delay, limiter and IIR, FIR functions.

产品规格/SPEC.

•通道数 Channel	PFC10000: 1 in / 1 out
	PFC21000: 1 in / 2 out
	PFC31000: 1 in / 3 out
	PFC41000: 2 in / 4 out
•输出功率 Output Power:	
4Ω max	2000W
8Ω max	1000W
16Ω max	600W
8Ω 桥接 bridge	3000W
16Ω 桥接 bridge	2000W

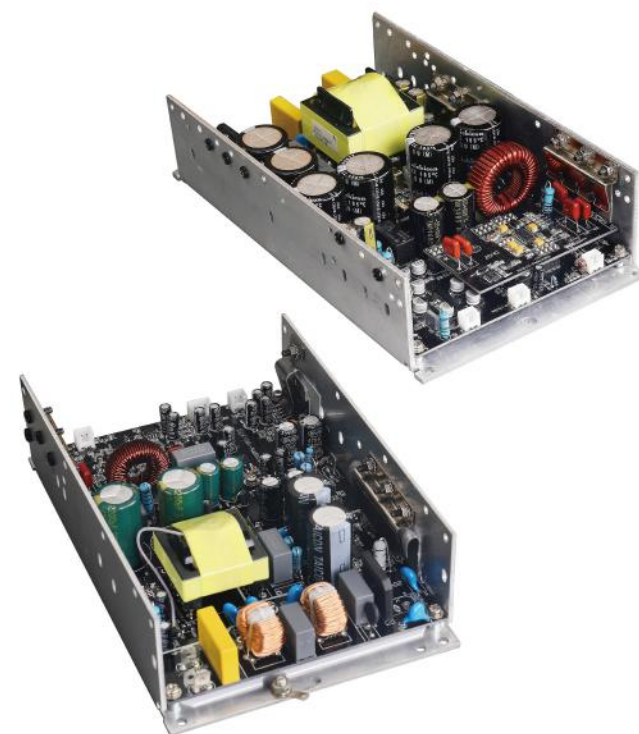
HX 有源模块 SERIES

功能特点:

- HX系列是针对多功能会议扩声、流动演出扩声等应用而研发的轻便型2通道专业功放。
- HX系列采用高效率输出电路，体积小，功率密度大，具有完美音色。
- 采用最新的数字电路拓补技术，使功放同等使用条件下输出更平滑无毛刺、频响更平坦。
- 整机具有多功能保护：热保护（过热功率限制，热关断）；短路/过载输出保护；温度控制的12V DC风扇输出；过压保护；直流失调关机；

Feature:

- HX series is a portable 2-channel professional power amplifier developed for multi-functional conference sound reinforcement, mobile performance sound reinforcement and other applications.
- HX series adopts high-efficiency output circuit, small size, high power density, and perfect tone.
- Using the latest digital circuit topology technology, the output of the power amplifier is smoother without glitches and the frequency response is flatter under the same conditions of use.
- The whole machine has multi-function protection: Thermal protection (over-temperature power limited, thermal shutdown); Short-circuit/ overload output protection; Temperature controlled 12V DC fan output; Over voltage protection; DC offset shutdown



型号 Model	HX16.3	HX30.12	HX30.30
CH1 circuitry 通道1 电路	D	D	D
CH2 circuitry 通道2 电路	AB	AB	D
8Ω load/230V voltage 8欧负载/230V供电	180W+30W	300W+120W	300W+300W
4Ω load/230V voltage 4欧负载/230V供电	330W+50W	600W+600W	500W+500W
Weight(Approx.) 重量/大约	1.1kg	1.2kg	1.3kg
Dimension 尺寸	216*126*70mm	216*126*70	216*126*70

UL2000

有源模块

功能特点:

- 为低音炮而特设的有源模块
- 2欧 5200W超大功率变压器功放模块
- 可用于有源低音炮，需要大功率扩音的大型演出。
- 厚铝板设计，散热性好；
- 强劲的音质。
- 在2欧的残酷负载下可以长期工作。

Feature:

- Amplifier Module for subwoofer
- 2ohms 5200W Ultra High Power Transformer Amplifier Module
- Can be used for active subwoofers, Large-scale performances that requires high-power sound reinforcement.
- Thick and wide aluminum panel design, good heat dissipation;
- Strong sound quality.
- Long-term work under the cruel 2ohms load.

技术参数:

- 通道数: UL 2000:1进/1出
- 输出功率
- 每通道最大输出功率@2Ω 5200 W
- 每个通道的最大输出功率@4Ω 3200 W
- 每通道最大输出功率@8Ω 2000 W

Technical Parameters:

- Number of channels:
- UL 2000: 1 in/1 out
- Output power
- Maximum output power per channel @ 2Ω 5200 W
- Maximum output power per channel @ 4Ω 3200 W
- Maximum output power per channel @ 8Ω 2000 W

