

TAKSTAR® 得胜

PX系列专业功率放大器

PX Series Professional Power Amplifier



使用说明
User Manual

PX系列专业功率放大器

■ 前言

感谢您选购得胜PX系列专业功率放大器。该系列为模拟功率放大器，Class-AB/H+环牛供电2U外观设计。模拟功放具有声音甜美，中高频细腻低频有力的特征。前面板带有精准的控制旋钮，开机时LED指示灯可显示系统的动作状态，从后排到前排的冷却系统确保了机器高性能稳定运行。PX系列非常稳定，应用广泛，特别合适会议系统和娱乐系统。为了您能够更好地了解使用本产品，建议您在使用前仔细阅读本说明书。

若存在有疑问或者您有宝贵的建议，可通过拨打得胜官方服务热线400 6828 333或微信扫描二维码关注得胜官方公众号与我们联系。



■ 产品特性

- Class-AB/H+环牛供电设计；
- 模拟功放具有声音甜美，中高频细腻低频有力的特征；
- 前面板精准增益控制，有电源，信号，保护和削波的工作信号灯；
- 每通道独特全自动保护电路设计，保护功能有直流，过热，过载以及限幅；
- 从后排到前排的散热排风系统设计，确保设备长时间，高可靠运行和使用；
- 采用平衡XLR输入接口和专业SPEAKON输出接口；
- 后排拨码开关用于选择立体声、并联或桥接工作模式。

■ 包装清单

专业功放	1台
电源线	1条
说明书	1份

PX系列专业功率放大器

■ 适用范围

适用会议、演出、演讲、报告厅等场合

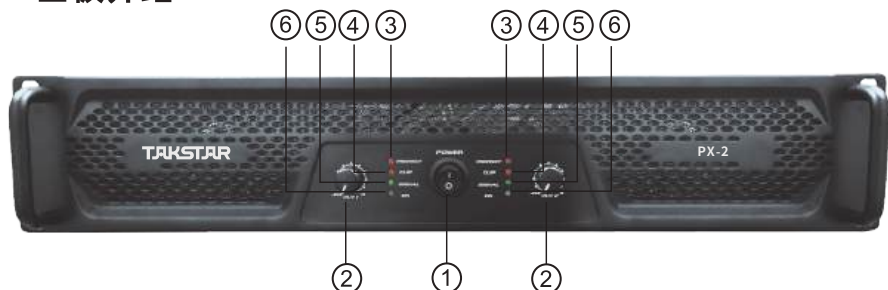
■ 技术参数

型号		PX-2	PX-3	PX-5	PX-8	PX-10	
额定输出功率 (1kHz1%THD)	立体声	8Ω	220W+220W	330W+330W	550W+550W	880W+880W	1050W+1050W
		4Ω	330W+330W	500W+500W	800W+800W	1270W+1270W	1500W+1500W
	桥接	8Ω	660W	1000W	1600W	2550W	3000W
峰值功率 (1kHz1%THD)	立体声	8Ω	440W+440W	660W+660W	1100W+1100W	1700W+1700W	2100W+2100W
		4Ω	660W+660W	1000W+1000W	1600W+1600W	2500W+2500W	3000W+3000W
	桥接	8Ω	1320W	2000W	3200W	5100W	6000W
输出接口		Binding for Stereo & Bridge Output					
频响		20Hz-20kHz					
输入灵敏度		1.0V; 1.4V					
平衡输入阻抗		20kΩ/Balanced, 10kΩ/Un-Balanced					
信噪比		100dB					
失真度		<0.03% (8ohm/1kHz/half power)					
额定输出功率 8 OHM 1kHz 时分离度		80dB					
阻尼系数 f=1 kHz 8 OHMS		300					
转换速率		20 V/μ s					
保护		Soft Start, Short Circuit, Limiter, DC Fault, AC Line Fuse, Thermal Cut					
冷却系统		Two steps speed fan					
电源		AC: 220-240V 50Hz					
净重 (kg)		11.8kg	12.4kg	13.5kg	15.5kg	16.5kg	
尺寸 (W×D×H)		483×88×410mm					

注:以上数据由得胜实验室测试得到,并拥有最终解释权!

PX系列专业功率放大器

■ 面板介绍



① 电源开关

当按下此键时,功放的软启动防浪涌冲击电路开始工作,约3~4秒后,可听见“咔嚓”一声,软启动工作完成,再1~2秒。又听见“咔嚓”声,此时已进入工作状态。

② CH-1/CH-2输入电平调整旋钮

调整这个旋钮至所需的音量大小。当远离扬声器时可参照面板上的刻度进行调整。

③ CH.A/CH.B峰值指示灯,有两种情况指示灯会亮:

(1) 当功放的输出功率达到最大值,将要出现削波时,指示灯点亮,此时注意适当降低输入电平。

(2) 当有信号输入而扬声器无声,指示灯连续不断地亮,这时确定为负载短路,应关掉功放电源,清除短路再恢复工作。

④ CH.A/CH.B保护指示灯,有5种情况指示灯会亮:

a.机后3~5秒。b.过载保护 c.直流保护。

d.当功率器件的工作温度超过90度。

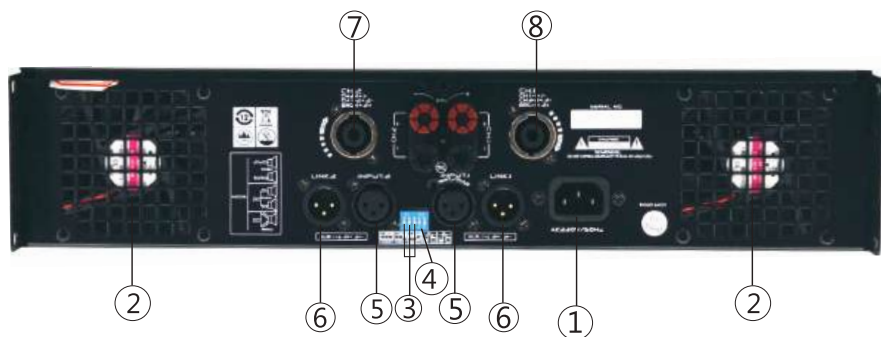
e.当功放出现异常时。

⑤ CH.A/CH.B信号指示灯

当功放进入正常工作状态且有信号输出时,该指示灯点亮。

⑥ 电源指示灯

■ 背板介绍



- ① 电源输入:通过连接AC 220V/50Hz市电为功放供电。
- ② 风扇和通风孔:功放在工作时会产生热量,要保证此处没有被任何物品遮挡。
- ③ 输出模式选择开关:用户可选择立体声、并联、桥接三种模式。
- ④ 输入灵敏度选择开关:功放输入灵敏度可选择1.0V/1.4V(4拨码为CH.2通道,5拨码为CH.1通道)。
- ⑤ CH.1/CH.2 XLR信号输入:使用一个标准的XLR(母)插座,其接线方法为:1脚:GND(地) 2脚:POS(+) 3脚:NEG(-)。
- ⑥ CH.1/CH.2 XLR信号输出,使用一个标准的XLR(公)插座,与同样为XLR(母)连接使用可以将同一个信号输出到另外一台功放,接线方法为:1脚:GND(地)、2脚:POS(+)、3脚:NEG(-)。
- ⑦ CH.2 SPEAKON输出
使用专业的SPEAKON连接器:CH.2输出:1+, 1-;CH.1输出:2+, 2-;BRG:1+, 2-。
- ⑧ CH.1 SPEAKON输出
使用专业的SPEAKON连接器:CH.1输出:1+, 1-;CH.2输出:2+, 2-;BRG:1+, 2-。

■ 安全警示

为避免电击、高温、着火、辐射、爆炸、机械危险以及使用不当等可能造成的人身伤害或财产损失,使用本产品前,请仔细阅读并遵守以下事项:

1. 使用产品时请确认所连设备与本产品是否匹配以及合理调整音量大小,不要在超过产品功率及大音量下长时间使用,以免造成产品异常;
2. 使用中若发现有异常(如冒烟、异味等),请立即关闭电源开关并拔掉电源插头,然后将产品送售后服务网点检修;
3. 消费者若使用电源适配器供电,则应购买配套使用获得CCC认证并满足标准要求的电源适配器;
4. 本产品及配件都应放置在室内干燥通风处,请勿长期存放在潮湿、灰尘多的环境,使用中避免靠近火源、雨淋、进水、过度碰撞、抛掷、振动本机及覆盖通风孔,以免损坏其功能;
5. 使用该产品时需遵守相关安全规定,法律法规明确禁止使用场合请勿使用本产品,以免导致意外事故;
6. 请不要自行拆机改装或维修,以防止出现人身伤害,如有问题或服务需求请联系当地售后服务网点跟进处理。

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■ 关于图标含义解释



此符号表示，根据WEEE指令(2012/19/EU)和国家法律，由于这种类型的废弃物会有潜在的有害物质，可能对环境 and 人类健康产生负面影响，所以本产品不应与您的家庭垃圾一起处置，应将本产品交由授权的电气和电子设备 (WEEE) 回收站回收。

同时，您在正确处理本产品的同时将有助于自然资源的有效利用。如需了解更多有关您可以在何处放置废物回收设备的信息，请联系您当地的城市办事处、废物管理局或家庭废物处理服务部门。

■ 关于本说明书

本说明书中内容符合截止印刷之日的技术规格。由于得胜公司会不断改进产品，本说明书可能不符合您的特定产品的技术规格。要获取最新版说明书，请访问得胜官网，然后下载说明书文件。技术规格、设备或另售的附件在各个地区可能有所不同，如有问题请与当地得胜销售网点确认。如需更多支持和深层产品信息，请浏览得胜官方网站：<https://www.takstar.com>

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PX Series Professional Power Amplifier

■ Preface

Dear Customer,

Thanks for purchasing our product. Read this manual thoroughly for proper use.

If you have any questions or suggestions, please contact our local sales service.

■ Product Features

- 2U Class-AB/H amplifier with toroidal transformer power supply.
- Analog amp for sweet sound with detailed mids/highs and powerful lows.
- Front panel gain control with indicators for power, signal, protection, and clipping.
- Automatic protection circuitry for DC, overheating, overload, and limiting.
- Efficient rear-to-front fan cooling for reliable long-term operation.
- Balanced XLR input and professional SPEAKON output connectors.
- Rear dip switches for stereo, parallel, or bridged mode selection.

■ Application

For conferences, performances, speeches, and auditoriums.

■ Package Contents

1 × Professional Power Amp

1 × Power Cord

1 × User Manual

PX Series Professional Power Amplifier

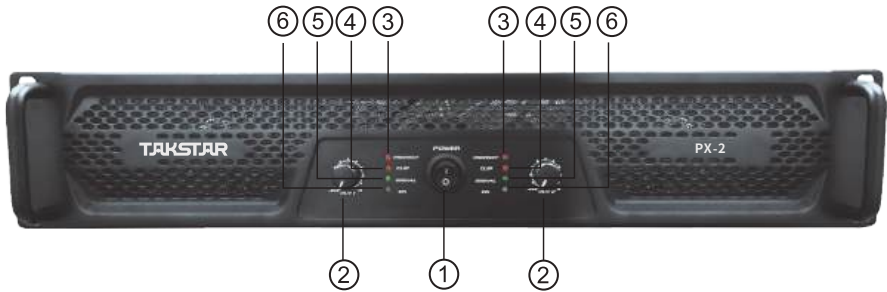
■ Technical Specifications

Model		PX-2	PX-3	PX-5	PX-8	PX-10	
Rated Output Power (1kHz1%THD)	Stereo	8Ω	220W+220W	330W+330W	550W+550W	880W+880W	1050W+1050W
		4Ω	330W+330W	500W+500W	800W+800W	1270W+1270W	1500W+1500W
	Bridge	8Ω	660W	1000W	1600W	2550W	3000W
Peak Power (1kHz1%THD)	Stereo	8Ω	440W+440W	660W+660W	1100W+1100W	1700W+1700W	2100W+2100W
		4Ω	660W+660W	1000W+1000W	1600W+1600W	2500W+2500W	3000W+3000W
	Bridge	8Ω	1320W	2000W	3200W	5100W	6000W
Output Connector		Binding for Stereo & Bridge Output					
Frequency Response		20Hz-20kHz					
Input Sensitivity		1.0V ; 1.4V					
Balanced Input Impedance		20kΩ/Balanced, 10kΩ/Un-Balanced					
SNR		100dB					
THD		<0.03% (8ohm/1kHz/half power)					
Rated Output Power Separation at 8 OHM, 1kHz		80dB					
Damping Factor at 1kHz, 8 OHMS		300					
Slew Rate		20 V/μ s					
Protection Features		Soft Start, Short Circuit, Limiter, DC Fault, AC Line Fuse , Thermal Cut					
Cooling System		Two steps speed fan					
Power Supply		AC : 220-240V 50Hz					
Net Weight (kg)		11.8kg	12.4kg	13.5kg	15.5kg	16.5kg	
Dimensions (W×D×H)		483 ×88×410mm					

Note: The above data are measured by Takstar laboratory which has the final interpretation right!

PX Series Professional Power Amplifier

■ Front Panel Overview



① Power Switch

Press to activates soft-start surge protection and powerup sequence. Wait 3-4 seconds for an initial "click," indicating soft-start completion, followed by another "click" after 1-2 seconds when the amplifier becomes operational.

② Input Level Knobs (CH-1/CH-2)

Adjust to desired volume. Use panel scale for reference when away from speakers.

③ Peak Indicator Lights (CH.A/CH.B):

- Lights up when output power approaches maximum, indicating potential clipping; please reduce input level.

- Continuous light with input signal but no sound from loudspeakers indicates a short circuit; please power off, resolve the short, and restart.

④ Protection Indicator Lights (CH.A/CH.B): Lights up in five scenarios:

a) 3-5 seconds after power-on, b) overload protection, c) DC protection, d) temperature exceeds 90°C, e) amplifier malfunction.

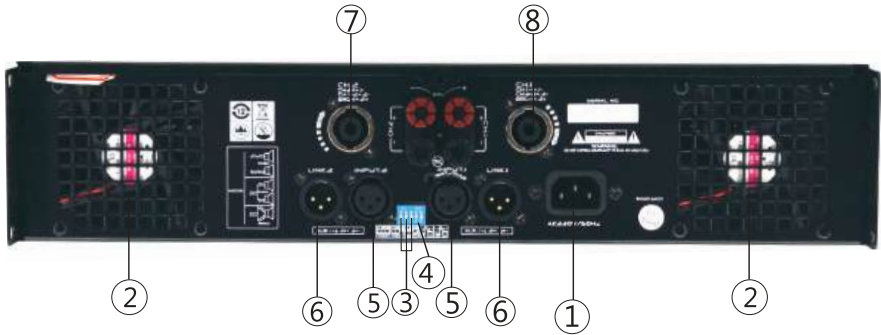
⑤ Signal Indicator Lights (CH.A/CH.B)

Lights up when the amplifier is in normal operation with signal output.

⑥ Power Indicator Light

PX Series Professional Power Amplifier

■ Rear Panel Overview



- ① Power Input: Connects to AC 220V/50Hz mains for power supply.
- ② Fan and Ventilation: Ensure vents are unobstructed during operation to dissipate heat.
- ③ Output Mode Selection Switch: Choose between stereo, parallel, or bridged modes.
- ④ Input Sensitivity Selector Switch: Set input sensitivity to 1.0V or 1.4V (DIP switch 4 for CH.2; 5 for CH.1).
- ⑤ XLR Signal Inputs (CH.1/CH.2): Standard XLR (female) connection: Pin 1: GND, Pin 2: POS (+), Pin 3: NEG (-).
- ⑥ XLR Signal Outputs (CH.1/CH.2): Standard XLR (male) connection, able to output the same signal to another amplifier: Pin 1: GND, Pin 2: POS (+), Pin 3: NEG (-).
- ⑦ CH.2 SPEAKON Output:
Professional SPEAKON connector: CH.2 output: 1+/1-; CH.1 output: 2+/2-; Bridge: 1+/2-.
- ⑧ CH.1 SPEAKON Output:
Professional SPEAKON connector: CH.1 output: 1+/1-; CH.2 output: 2+/2-; Bridge: 1+/2-.

■ Safety Instructions

To avoid electric shock, overheat, fire, radiation, explosion, mechanical risk and injury or property loss due to improper use, please read and observe the following items before use:

1. Please check if the power of the connected equipment matches with that of this product before operation. Adjust the volume to proper level during operation. Do not operate at over-power or high-volume level for extended time to avoid product malfunction.
2. If there is any abnormality during use (e.g., smoke, strange odor), please kill the power switch and unplug from power source, then send the product to the local after-sales service for repair.
3. Power adapter used, if any, should be approved by CCC certification or similar standards and comply with the power supply requirements.
4. Keep this product and its accessories in a dry and ventilated area. Do not store in a humid or dusty area for extended time. Keep away from fire, rain, liquid intrusion, bumping, throwing, vibrating, or from blocking any ventilation openings, to prevent malfunction.
5. Please abide by safety rules during operation. Do not use the product in places prohibited by laws or regulations to avoid accident.
6. Do not disassemble or repair the product without authorization to avoid injury. If you have any questions or require any services, please contact our local after-sales service.

PX Series Professional Power Amplifier

■ Label Meanings



This symbol indicates that this product should not be disposed of with your household waste, according to the WEEE directive (2012/19/EU) and your national law. This product should be handed over to an authorized collection site for recycling waste electrical and electronic equipment (WEEE). Improper handling of this type of waste could have a possible negative impact on the environment and human health due to potentially hazardous substances that are generally associated with WEEE. At the same time, your cooperation in the correct disposal of this product will contribute to the effective usage of natural resources. For more information about where you can drop off your waste equipment for recycling, please contact your local city office, waste authority, or your household waste disposal service.

■ About This Manual

This manual contains up-to-date technical specifications as of printing. However, specifications contained herein may not conform to your particular product since Takstar is constantly improving its products. Also, specifications, devices or accessories available may vary from region to region. If you have any questions, please contact our local sales outlet. For the latest version/more information, please visit our website: <https://www.takstar.com/>

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产品服务保证书

姓名: _____ 电话: _____ 地址: _____
商品: _____ 型号: _____ 购买日期: _____ 年 _____ 月 _____ 日

维修记录栏 (由维修员填写)	维修员签名	日期

注意事项:

1. 本单为保修凭证, 请用户妥善保管, 如有遗失, 恕不保修或退换。
2. 保修期限制: 购买之日起十二个月内。
3. 除了不可抗力事件损坏外, 由本公司负责, 免费维修。
4. 如属保管不善或使用不当造成的损坏, 维修点将酌情收费。
5. 擅自拆卸维修者, 不予保修。
6. 以上保修条款仅限于中国市场适用 (不含港澳台地区)。

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