

Precautions

holes/slots. This set should be situated so that its location does not interfere with its proper ventilation.

Operation on generator:

When operating on generator, make sure the set is switched off till the generator voltage has stabilized.

Power Source:

The voltage printed on the back panel of the amplifier (90-260V) should match the AC mains voltage. Do not connect this amplifier to any power source other than those specified on the rear panel.

Power Cord Protection:

If the power cord has been frayed or broken do not operate the amplifier. Do not keep heavy object on the power cord.

Exposure to Heat:

Store the amplifier away from heat sources such as radiators, heat register, stoves, or other appliance that produce heat.

Water and Moisture:

Do not use this set near water or in a wet location. Do not keep any object filled with liquid such as a vase, on top of this set. Do not insert or remove the AC mains plug with wet hands.

Thank you for buying K Series Digital Amplifier.

Our company establish a new benchmark in building high power K series amplifier to deliver quality sound. The next generation of home amplifiers is built into the most advanced 1U rack enclosure design. Switch mode power supply design is much better than the earlier toroidal design as it gives tight kick drum and increases the thermal dissipation further improving the amplifier power efficiency. The chassis has been engineered to enhance the device protection, the thermal dissipation performance, and reduce the overall weight.

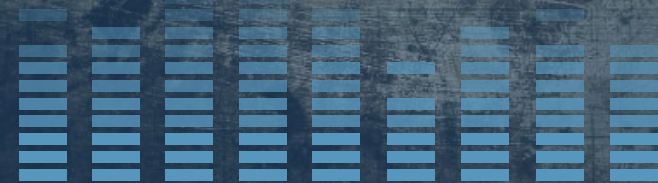
OPERATION MANUAL

DIGITAL POWER AMPLIFIER

K- Series



MUSIC

SOUND SYSTEM

INTRODUCTION

Class D digital power amplifiers are popular among users at home and abroad because of their environmental protection, energy saving, small size and utilization rate of more than 97%. Products are sold in Europe, America and other countries.

The digital amplifier is cost-effective, stable, and professional. K series include three models, 2 channels K-800, K-1000 and K-1200 amplifier. A perfect Sound reinforcement used in multiple ranges of home and paging applications such as home, theater, office, malls.

K series amplifier includes a number of features which require some explanation before they can be utilized to their maximum advantage. Kindly take time to familiarize you with these technologies that will prove invaluable in setting up and optimizing your loudspeaker system.

PERFORMANCE CHARACTERISTICS:

- A: Volume step control.
- B: Balanced input XLR stereo (two channels), stereo and bridge modes of operation.
- C: Independent limiting, overload, overheating and short protection circuit.

FEATURES:

1. Advanced protection circuitry for short circuit, mismatched load, overheating and internal faults.
2. Use NTC boot soft start.
3. With PFC automatic voltage regulator circuit.
4. Each channel has independent overpressure and overheating.
5. load short-circuit protection.
6. There is an automatic limiting function to prevent damage to the sounder. Do not defeat the safety purpose of a grounding-type plug. A grounding-type plug has two pins and a



CAUTION:

To reduce risk of electrical shock, do not remove the cover (or back). No user serviceable parts inside; refer servicing to qualified personnel.

WARNING:

To reduce the risk of fire or electrical shocks, do not expose this appliance in rain or moisture.



This symbol, wherever it appears, alerts you to the presence of insulated dangerous voltage that may be sufficient to constitute a risk of shock.



This symbol, wherever it appears, alerts you to important operating and maintenance instructions in the accompanying literature.

IMPORTANT SAFETY INSTRUCTIONS

Before using your K Series product, be sure to carefully read the applicable items of this Operation Manual and the Safety Instructions.

1. Keep this manual for future reference.
2. Heed all warnings.
3. Follow all instructions.
4. Do not use this unit near water.
5. Do not spill water or other liquids into or on the unit. Do not operate the unit while wet or standing in liquid.
6. Clean only with dry cloth.
7. Do not block the air intake or exhaust ports. Install the unit in accordance with the instructions.
8. Do not operate the unit near heat producing devices such as radiators, heat registers, stoves or other apparatus that produce heat. Always operate the unit with the chassis ground wire connected to the electrical safety earth.

IMPORTANT PRECATIONS

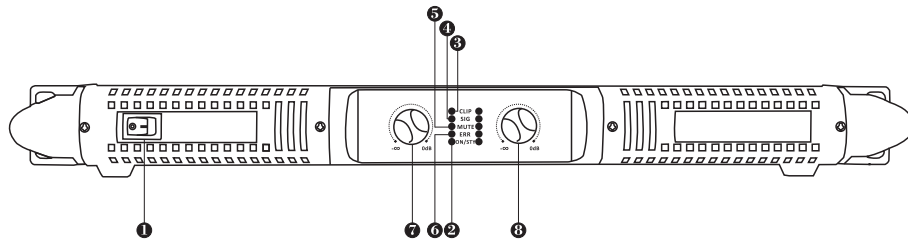
Ventilation:

Do not cover the ventilation holes/slots. Do not insert or drop anything into the ventilation

Front panel

19. The mains plug is used as the disconnect device and shall remain readily accessible. If the mains plug is not readily accessible due to mounting in a 19 rack, then the mains plug for the entire rack must be readily accessible.

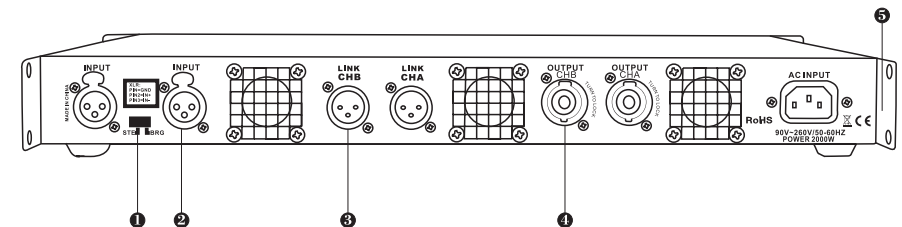
Front Panel



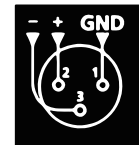
1. – **POWER ON:** Power switch/Turn this switch on, connect the machine to work.
2. – **Indicadores LED:**
STANDBY: Work indicator light. When the power is switched on, the red light will glow and the machine will be in standby. Press the switch POWER and the green light will glow, the machine will be energized.
3. – **CLIP:** Overload indicator light. When the red light on, the signal of the machine is overload. channel.
5. – **MUTE:** Power amplifier protection indicator light. when the red light is flashing, the amplifier is protected.
6. – **ERR:** Power protection light. when the red light is on, the power of the machine is faulty and enter the protection.
7. – **CH A VOLUMEN:** A channel volume control potentiometer to adjust the volume of the A channel and the volume of the bridge.
8. – **CH B VOLUMEN:** B channel volume control potentiometer is used to adjust the B channel volume and the volume of the bridge.

Back panel

Back Panel



1. – **MODE :** Work mode switch, STE for stereo, BRG for bridge mode.
2. – **INPUTS –:** XLR signal balanced input interface.
3. – **LINKS –The signal output,** in parallel with the input, can be connected to another machine.
4. – **OUTPUTS –SPK** power output interface is for connect with speaker.
Connection method: CH (+1-1 Note + 1 + 2 Do not short connect), CH B (+1-1), CH A interface (+1 + 2) when bridging.
5. – **AC INPUT –AC90V-230V.** Power input interface.



Have Two panel



Parameter

Model	K-1200	K-1000	K-800
8Ω Stereo Power (RMS)	1200wx2	1000wx2	800wx2
4Ω Stereo Power (RMS)	1850wx2	1500wx2	1200wx2
2Ω Stereo Power (RMS)	2300wx2	2000wx2	1600wx2
8Ω Bridged Power (RMS)	3600w	3000w	2400w
4Ω Bridged Power (RMS)	5000w	4000w	3200w
Power Type	Switching Power Supply		
Amplifier Type	Composite Feedback Control Class D		
Frequency Response (8Ω/100mS/second)	20Hz-20KHz±1dB		
Rate Output Voltage(THD+N<1%,1kHz)	100V RMS		
THD (10% -1KHz)	<0.1%		
Power Specification	AC 90V-240V(+15%) 45-65Hz		
Speed rate (1KHz)	>20V/μs		
Noise insulation factor(1KHz)	>250		
Dynamic range	≥95dB		
Signal-to-noise ratio	≥95dB		
Input Impedance	20K ohms Balanced,10K ohms Unbalanced		
Input sensitivity (1KHz)	2Vrms		
Input impedance	20K (balance) / 10K (imbalance)		
Color	Gold		
Damping Factor	250		
Input Connector	XLR(Female)		
Output Connector	Speakon Block		
Channel Separation 1KHz	80dB		
Level Adjustment	Front Panel Potentiometer, From Negative Infinity To 0dB		
Cooling Type	Stepless Speed Regulation Cooling Fan,Air Flow From Front To Back		
Amplifier And Load Protection	Short Circuit, Thermal, Over Current, DC Voltage, Ultra High Frequency Protection		
Dimensions(W x H x D)	52.7*32.8*9cm		

Safety Instructions

third grounding prong. The third prong is provided for your safety. If the provided plug does not fit into your outlet, consult an electrician for replacement of the obsolete outlet.

9. Connect only to AC power outlets rated 90 V -260 V, 50-60 Hz as dictated by the unit's voltage configuration.
10. Do not use this unit if the power cord is broken or frayed. Protect the power cord from being walked upon or pinched, particularly at the plug and the point where it exits from the apparatus.
11. Only use accessories specified by the manufacturer.
12. The unit is intended to use in a 19 Rack. Follow the mounting instructions. When a rack on wheels is used, use caution when moving the loaded rack to avoid injury from tipping over.
13. Unplug this apparatus during lightning storms or when unused for long periods of time.
14. Do not connect the unit's outputs in parallel or series with any other unit's output. Do not connect the unit's output to any other voltage source, such as battery, mains source, or power supply, regardless of whether the unit is turned on or off.
15. Do not run any of the unit's outputs back into another channel's input.
16. Refer all servicing to qualified service personnel. Servicing is required when the apparatus has been damaged in any way such as:
 - Power-supply cord or plug is damaged.
 - Liquid has been spilled into the unit
 - An object has fallen into the unit
 - The unit has been exposed to rain or moisture
 - The unit does not operate normally
 - The unit was dropped or the chassis is damaged
17. Do not remove top or bottom covers. Removal of the covers will expose hazardous voltages. There are no user serviceable parts inside and removal may void the warranty.
18. An experienced user shall always supervise this professional audio equipment, especially if inexperienced adults or minors are using the equipment.