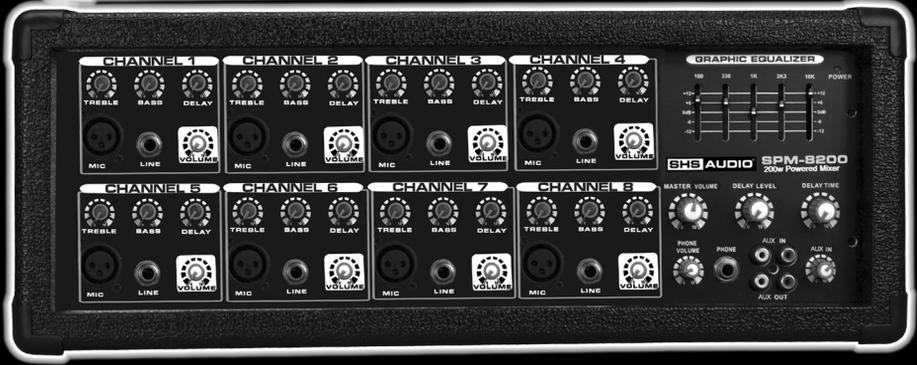


# SHS AUDIO<sup>®</sup>

shsaudio.com



## SPM Powered Mixer Manual

## **IMPORTANT SAFETY SYMBOLS**



This symbol is used to indicate that some hazardous live terminals are involved with this apparatus, which even under normal operating conditions may be sufficient to constitute a risk of electric shock or death.



This symbol is used in the service documentation to indicate that a specific component shall be replaced only by the component specified in that documentation for safety reasons.



Protective grounding terminal.



Alternating Current



Hazardous live Terminal

**ON:** Denotes the unit is turned on.

**OFF:** Denotes the unit is turned off.

**WARNING:** Describes precautions that should be observed to prevent the danger of injury or death to the operator.

**CAUTION:** Describes precautions that should be observed to prevent damage to the unit.

## **IMPORTANT SAFETY INSTRUCTIONS**

**-Read these instructions.**

**-Keep these instructions.**

**-Heed all warnings**

**-Follow all instructions**

### **-Water & Moisture / Power Supply**

This unit should be protected from moisture and rain... It should not be used near water. i.e. bathtubs, kitchen sink, pools or sprinkler systems etc... This unit should only be connected to a power supply of the type indicated on the unit or described in this manual. Failure to comply could result in damage to this product and/or injury to the user. Unplug this unit during electrical storms or when not being used for prolonged periods

### **-Heat**

This unit should be located away from heat sources such as radiators, stoves or other appliances that produce heat. To prevent the risk of fire, damage to this unit or personal injury, please use only the recommended fuse type as indicated in this manual.

### **-Fuse**

Before replacing the fuse, make sure that the unit is turned off and disconnected from the AC power supply.

### **-Ventilation**

Do not block areas of ventilation (i.e. cooling fins on heat sink) on this unit. Failure to comply could result in overheating or fire.

### **-Electrical Connection**

Always use in accordance with the manufacturers instructions. Improper electrical wiring will void the product warranty

### **-Object and Liquid Entry**

Please insure that foreign objects and/or liquids are not placed/spilled into the inside of the unit or into various input and output openings for the unit

### **-Cleaning**

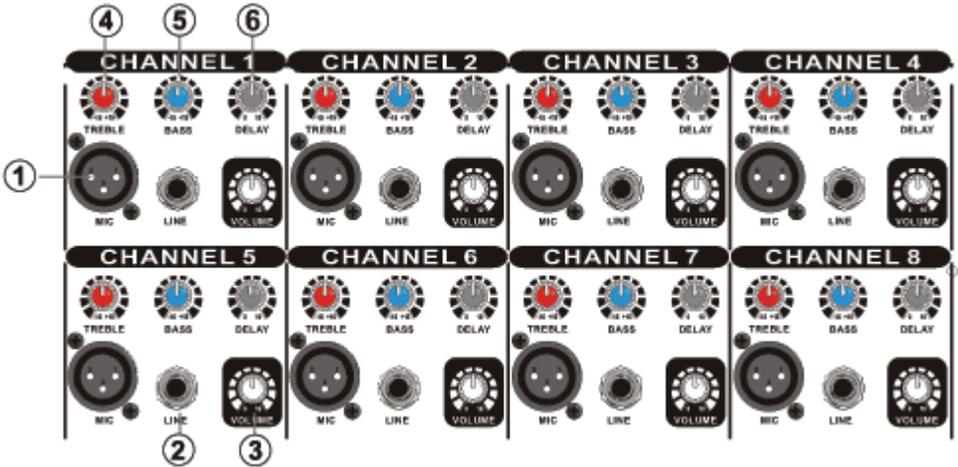
Clean only with a dry cloth. Do not use solvents of any kind such as benzol, alcohol or gasoline to clean this unit.

**-Power Cord and Plug** Only use accessories or parts recommended by the manufacturer.

**-Servicing** Do not attempt any service to this unit other than those described in this manual. Refer all service issues to qualified service personnel only.

### **-Warning**

Please remember that high sound pressure levels may not only temporarily damage hearing, but can also cause permanent hearing loss. Please be careful to select appropriate volume levels.



## Input Section Controls

### (1) Mic

XLR balanced input. Connect microphones here.

### (2) Line

1/4" unbalanced hi impedance input.

### (3) Volume

Controls volume of just that channel.

### (4) Treble

High frequency control rated +/- 15db at 15Khz

### (5) Bass

Low frequency control rated at +/- 15db at 80Hz

### (6) Delay

Controls the amount of delay going to the channel. Turn off delay control when not using.

## Master Section Controls

### **(1) Master Equalization**

Controls equalization on main output. Adjustment range:  
100Hz, 330Hz, 1Khz, 3.3kHz  
+ / - 12db

### **(2) Master Volume**

Controls volume output of all channels.

### **(3) Delay Level**

Controls overall amount of delay effect on all channels.

### **(4) Delay Time**

Controls delay effect from short to long.

### **(5) Aux In Master Control**

Controls the amount of incoming signal going to the AUX IN.

### **(6) Aux In**

Connect output of external device with RCA cable here.

### **(7) Aux Out**

Connect input of external device with RCA cable here.

### **(8) Headphone Input**

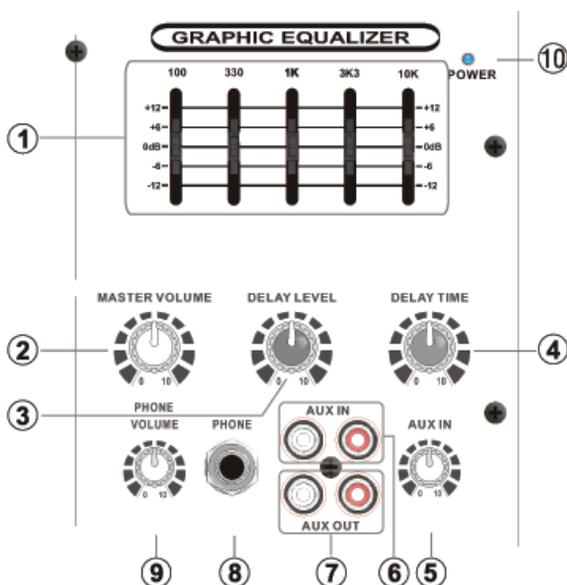
Input for headphone connection.

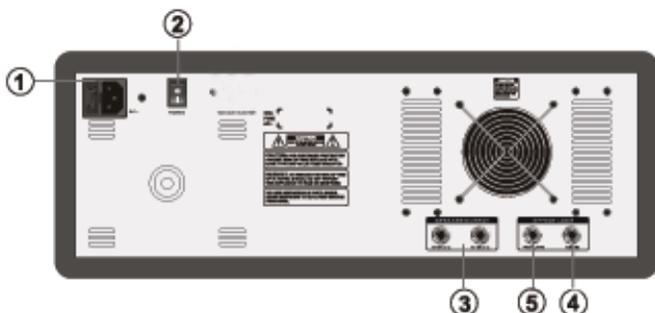
### **(9) Headphone Volume**

Controls the overall headphone volume.

### **(10) Power Light**

Indicates AC current to powered mixer.





## Rear Panel Controls

### **(1) AC and Fuse**

Power cord and fuse for powering the unit. ALWAYS make sure unit is powered off before replacing fuse! Only use recommended fuses for replacement.

### **(2) Power**

Main power on/off control

### **(3) Speaker Outputs**

1/4" outputs for connection to cabinets. It is recommended only using speaker cables for this connection.

### **(4) Effect Send**

Used for hooking up an external effect such as outboard reverbs or delays. Its the output that sends signal to your external processor's input.

### **(5) Effect Return**

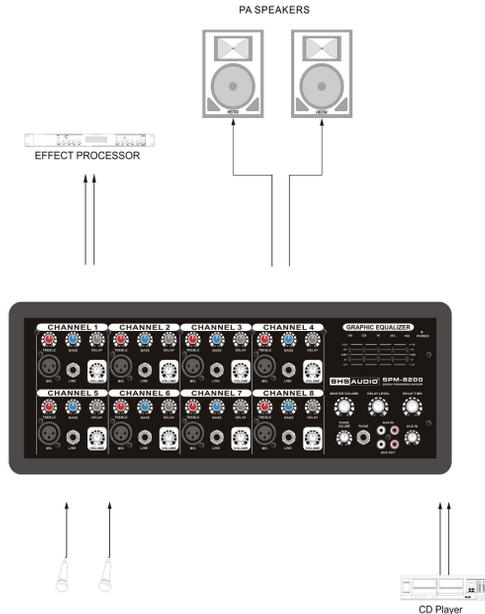
Used for hooking up an external effect such as outboard reverbs or delays. Its the input that receives signal from your external processor's output.

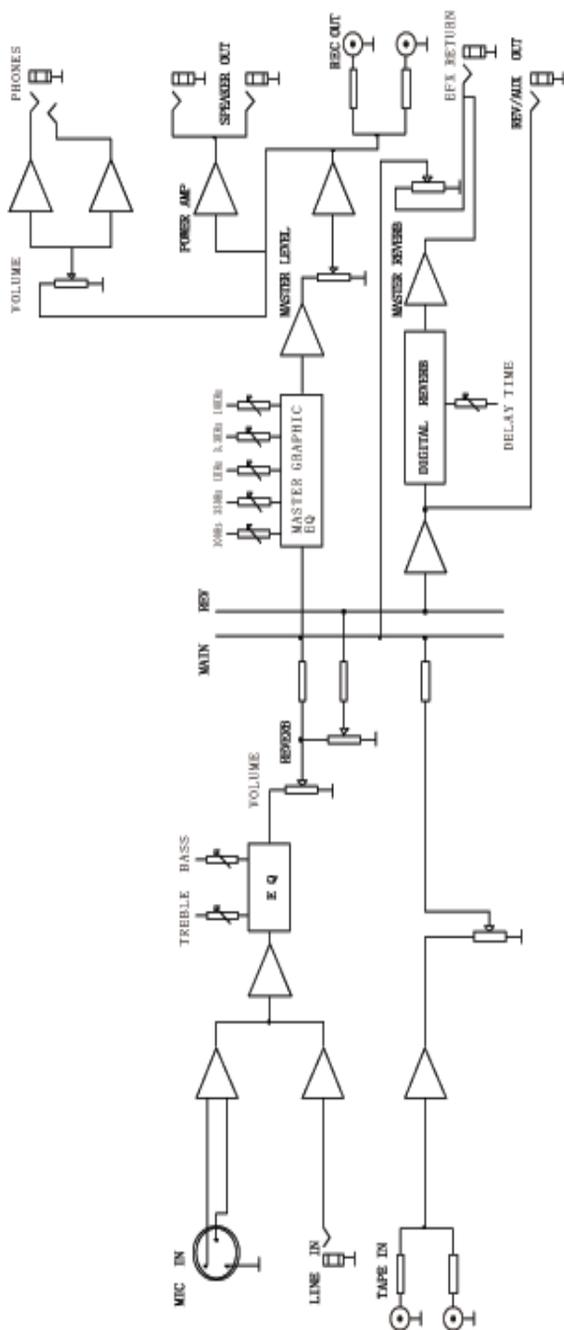
## DETAILED SPECIFICATIONS

Outputs	Outputs modes	Outputs Impedance	Rated Output Level or Power			Connector
Power Output	Unbalanced	4ohm	<b>SPM-4125</b> <b>125W</b>	<b>SPM-6150</b> <b>150W</b>	<b>SPM-8200</b> <b>200W</b>	6.35 2-poles TRS
Line OUT	Unbalanced	600ohm	0dB			6.35 2-poles TRS
Headphone OUT	Unbalanced	40ohm	5mW			6.35 3-poles TRS
REC OUT	Unbalanced	10Kohm	-10dB			2 RCA

Max gain	Input		Output	Max gain
	Microphone		Power Output	78dB
			REC OUT	50dB
	TAPE IN		Power Output	48dB

Model	<b>SPM -4125</b>	<b>SPM-6150</b>	<b>SPM-8200</b>
Total harmonic distortion	≤0.5% 20Hz~20KHz		
Frequency response	+1/-2dB 20Hz~20KHz		
S/N ratio	>80dB		
Channel EQ	TREBLE 15KHz +/-15dB; BASS 80Hz +/-15dB		
Master EQ	100Hz, 330Hz, 1KHz, 3.3KHz, 10KHz +/-12dB		
Power supply	See label on the unit		
Power consumption	200VA	200VA	278VA
Dimension (HxWxD)	360X175X230mm	470X175X230mm	470X175X230mm
Weight	<b>15lbs</b>	<b>17lbs</b>	<b>19lbs</b>







## WARRANTY INFORMATION

SHS Audio warrants this powered mixer solely to the original retail purchaser to be free of defects in materials and workmanship for a period of 5 Years under normal use.

Warranty must be registered online at [www.shsint.net](http://www.shsint.net) within 15 days of purchase. You must retain a copy of the sales receipt and it must accompany the powered mixer in the event of future warranty coverage.

### TERMS AND CONDITIONS

The following is not covered by this warranty.

- 1) Any SPM mixer that has been subject to extremes of temperature and/or humidity.
- 2) Shipping damages of any kind.
- 3) Normal wear and tear (Covering, Knobs, Feet, Chassis, Jacks, Speaker issues)
- 4) Issues that are considered standard maintenance.
- 5) Any modifications or alterations to the mixer voids the warranty.
- 6) Improper hookup and/or usage.
- 7) Mixers that are not purchased by an authorized SHS Audio dealer.
- 8) Warranty repairs by anyone other than a SHS Audio authorized service center.
- 9) Misuse and/or abuse.
- 10) Subjective matters such as tone, perceived volume and power.

### CLAIM PROCEDURES

In the event that there is a warranty claim, the original purchaser of the cabinet must contact a SHS service center for authorized work. If there is no service center nearby, you must contact SHS Audio for a return authorization number and the cabinet must be shipped freight and insurance prepaid along with a sales receipt or proof of purchase for validation of a warranty repair. A quotation will be given for any non-warranty repairs and will be valid for a period of 10 days. All repaired cabinets and/or parts will be returned prepaid by SHS Audio. Any unauthorized repairs done to the mixer will void the warranty.