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SPA 3100

903 001 4

User Manual



User Manual

The mixer amplifiers feature three microphone inputs and two line inputs, 130 watts of rated amplifier power is available with either 70/100-volt and 4 to 16 ohms (Ω) loads. Also included a balanced line level output for adding additional power amplifiers. The unit also features muting function, that MIC1 overrides MIC2, MIC3, AUX1, AUX2 with 0~30dB attenuation. And features complete protection is provided for output short circuit, overload, high temperature peak current limiters.

Performance Feature

- 3 MIC inputs, 2 AUX inputs, 1 AUX output, 1 USB port.
- Individual volume controller for MIC & AUX inputs.
- BASS and TREBLE tone controller.
- MIC1 has priority over other inputs
- 70V, 100V and 4~16 Ω loads
- Output short circuit, overload, high temperature protection and alarm

Parameter

Model	SPA 3100
Rated Power	130W
Output Mode	4-16 ohms ; 70V/100V
MIC Input	MIC1/MIC2/MIC3:600 ohms 5-8mV, unbalanced
AUX Input	AUX1/AUX2:10k ohms 150-470mV, unbalanced
Frequency Response	60Hz~15kHz(3dB)
THD	<0.5% at 1kHz, 1/3 rated power
S/N	Line:85 dB, MIC:>72 dB
Tone	BASS:100 Hz(10dB), TREBLE:12kHz(10dB)
Muting Function	MIC1 overrides MIC2, MIC3, AUX1, AUX2 with 0~30dB dB attenuation
Cooling	DC 12V FAN
Protection	AC fuse, short circuit, overload, high temperature
LED Indicators	POWER, SIGNAL, CLIP, PROTECT
Power supply	Optional
Power Consumption	175W
Dimensions (WxDxH)	89(H)x483(W)x320(D)mm
Net weight	12.5Kg

Operation Notes

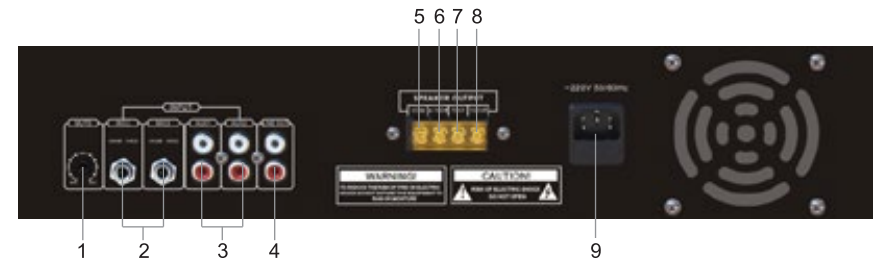
- 1.This equipment has passed the strict inspection, however, you should turn off the power, pull out the power plug when discover some following anomalies in case, and contact the dealer.
 - A.If smelled smoke and peculiar smell which set out from the equipment.
 - B.If water or any metal immerge or fall into the equipment.
 - C.If the equipment fell or the shell damaged.
 - D.If the power cable damaged.
 - E.If the equipment failed.
 - F.If the equipment distorted badly.
- 2.This equipment contains high voltage components, please do not arbitrarily open, so as not to cause fire or electric shock, if need to maintain, please contact dealer or professionals to handle
- 3.Do not lay liquid container or metal on the equipment top, if they fall into the equipment, it may cause fire or electric shock
- 4.Do not fall metal or flammable object into the ventilation slot, so as not to cause fire or electric shock. Do not touch the power plug when thundering and fulmination, so as not to cause injury of electric shock .
- 5.Do not lay heavy object on the equipment top, so as to avoid falling or damage, and even cause injury to persons or damage to equipment and property, in addition, heavy object falling itself may cause injury or damage
- 6.If found voice distortion situation, please do not operate this equipment for long time, this is also a fault alarm message, if use unceasingly ,it may cause overheating and fire.
- 7.To clean equipment, please contact with the dealer, if the dust accumulated in the equipment for long time, it may cause fire or damage.
- 8.Lay this equipment on a stable location, and make a appropriate treatment to prevent falling, otherwise it may cause the equipment falling, and cause injury to persons or damage to equipment and property.
- 9.So as to avoid the inner temperature to rise, the equipment should be 10 centimeter far from the barrier.

Front panel



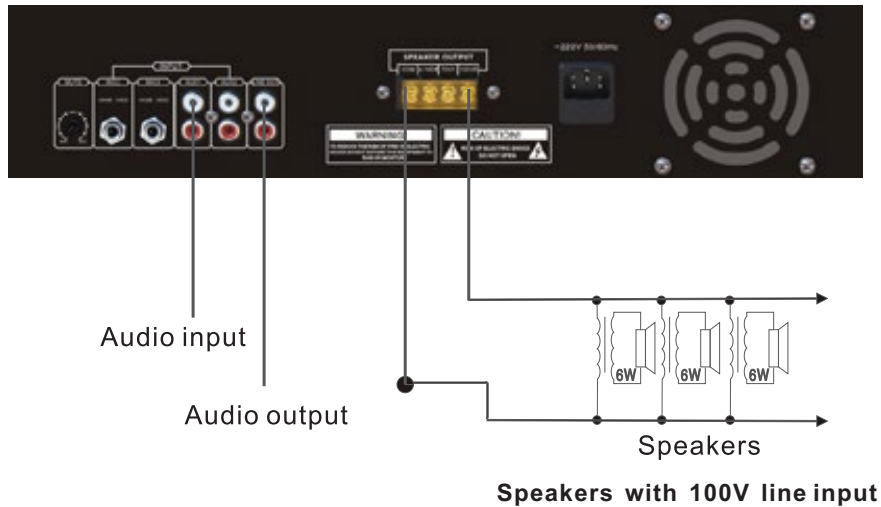
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|-----------------|-------------------|------------------|
| 1. Power switch | 2.Power indicator | 3.Master volume |
| 4.Bass control | 5.Treble control | 6.MIC volume |
| 7.AUX volume | 8.MIC1 input | 9. LED indicator |

Rear panel



- | | | |
|--------------------|----------------|----------------|
| 1. Mute Adjustment | 2.Mic2/3 Input | 3.Aux1/2 Input |
| 4.Aux Output | 5.COM | 6.4-16 Ohm |
| 7.70V Output | 8.100V Output | 9.AC Supply |

Connection Illustration



Safety Notes

1. Be sure to read these notes before using
2. Be sure to comply the most important safety notes of safety symbol and message in the manual content.
3. It has electricity in the output port, please operate this equipment under the guidance of professionals.

Installation Notes

1. This amplifier is used in PA system, should be lay in the good ventilation place, do not lay in the surrounding of high temperature.
2. Do not expose the equipment under the rain or the surrounding with water and other liquid, so as not to cause fire or electric shock.
3. Please use under specified voltage(AC200~240V,50/60Hz).It maybe cause fire or electric shock when the voltage value higher than the specified.
4. Do not cut off or change the power cable, so as not to cause damage, additional, do not let the power cable near the heater, also do not lay the heavy object which include the equipment on the cable. so as not to cause fire or electric shock.
5. After finishing speaker connection, please be sure to recover the protection cover in the output port. because it can reach to 100V output voltage in the output port, so do not touch the these ports, so as not to be electric shock. And these ports can not as the power of other equipments.
6. Do not install or lay this equipment on the location of instability, such as shaking or skew of the table, lest equipment falling and causing injury to persons or damage to equipment and property.
7. If the hand is wet, please do not use hand directly to insert or pull out the power plug, it may cause electric shock.
8. If you want to pull out the power plug, be sure to hold the plug, do not hold cable. when the power cable damaged, using this equipment maybe cause fire or electric shock.
9. If you want to move the equipment, please be sure to pull out the plug from the socket.
10. Do not block the ventilation place on the equipment shell , otherwise it may cause internal overheating and fire.
11. Do not install this equipment in the place where has humidity, more dust, direct sunlight, heater, soot, vapor, otherwise it may cause fire and electric shock.