

A-ONE SERIES PROFESSIONAL POWER AMPLIFIER



A-ONE SERIES
PROFESSIONAL
POWER
AMPLIFIER



A-ONE2200/3200/3600

OWNER'S MANUAL

ENGLISH 中文



WATCH FOR THESE SYMBOLS:



The lightning bolt triangle is used to alert the user to the risk of electric shock.

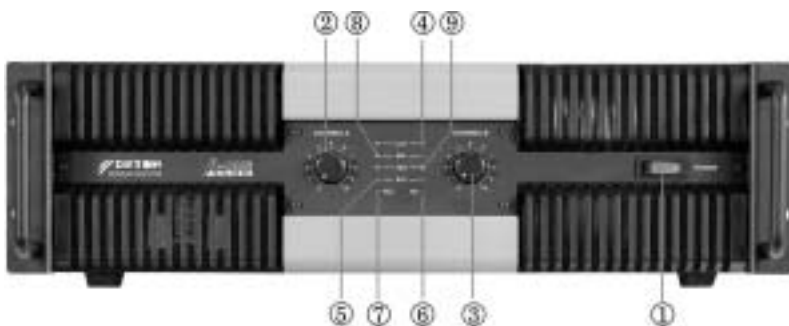


The exclamation point triangle is used to alert the user to important operating or maintenance instructions.

Features:

1. High efficient intelligent fan cooling system
2. High-grade glass fiber PCB
3. Soft start
4. Thermal protection, overload protection and short circuit protection
5. Automatic amplitude limitation
6. Ground/Lift switch
7. Input sensitivity: 0.77V
8. XLR/1/4" JACK input, Speakon output

Front Panel:



1. Power switch

When this switch is pushed down, the power on/off transient protection starts working. After 3 to 4 seconds, you can hear “kniak” once; the amplifier is soft started. After another 1-2 seconds, there will be another “kniak”, the amplifier is ready to work.

2. CHA input level control

Adjust it to get the volume desired. When you are far away from the speaker, please adjust it according to the markings on the front panel indicating the amount of attenuation applied to the input signal. Use this control only when running the amplifier in Bridge mode.

3. CHB input level control

Same as CHA.

4. CHA/CHB peak level indicating LEDs (red)

The LEDs will be on in the two situations:

- A. When the output signal has reached its clipping level, the LED lights; possibly resulting in distortion. Should this occur, adjust the input level control so that the Peak LED turns off.
- B. As the signal has been input, the Peak LED lights continuously, but the speaker has no voice, it is possibly that it is short circuited for

loading. You should turn off the amplifier. Find out where the trouble is and renew operation.

5. Stereo mode indicating LED (green)

This LED will be on when working under Stereo mode.

6. Bridge mode indicating LED (green)

This LED will be on when working under Bridge mode.

7. Parallel mode indicating LED (green)

This LED will be on when working under Parallel mode.

8. CHA/CHB

This LED will be on when the amplifier is working normally.

9. CHA/CHB protection indicating LEDs (yellow)

The LEDs will be on in the following three conditions:

- A. 3-5 seconds after turning on power, or after turning off power, the amplifier is under unstable status. Indicating the power amplifier is still disconnected from speakers.
- B. When the amplifier parts' temperature is over 85 .
- C. When something is wrong with the amplifier.

Rear Panel:



1. CHA XLR input connector

A standard XLR socket.

Pin1: ground Pin2: positive Pin3: negative

2. CHB XLR input connector

A standard XLR socket.

Pin1: ground Pin2: positive Pin3: negative

3. CHA 1/4" JACK input connector

Used by 1/4" standard connector,. You can use

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unbalanced or balanced input jack.

Tip: signal + Ring: signal - Sleeve: ground

4. CHB 1/4" JACK input connector

Used by 1/4" standard connector,. You can use unbalanced or balanced input jack.

Tip: signal + Ring: signal - Sleeve: ground

5. Mode selector

For Stereo, Bridge or Parallel mode selection.

6. CHA Speakon output connector

Used by a standard Speakon connector. 1+ 2+, 1- 2-

7. CHB Speakon output connector

Used by a standard Speakon connector. 1+ 2+, 1- 2-

8. BRIDGE Speakon output connector

Used by a standard Speakon connector. 1+ 2+, 1- 2-

9. Ground/Lift switch

Setting the amplifier to be grounded or lifted.

10. Power supply

11. Resettable fuse

When the amplifier malfunctions, the fuse will automatically disconnect the circuit loop; after the trouble is removed, the fuse will automatically reset, and resume working.

Technical parameters:

Model	A-ONE2200	A-ONE3200	A-ONE3600
Output Power Stereo 8	600W+600W	900W+900W	1100W+1100W
	900W+900W	1350W+1350W	1500W+1500W
	1100W+1100W	1600W+1600W	1800W+1800W
Bridge 8	1800W	2700W	3000W
Parallel 2	1800W	2700W	3000W
Frequency Range	20Hz--20KHz -1.5dB		
Input Sensitivity	0.77V		
S/N ratio	>90dB	>98dB	>100dB
Crosstalk at rated output 8 1KHz	>70dB		
Damping Factor	>500	>600	>700
Protection	SHORT CIRCUIT,CURRENT LIMITED,DC FAULT,AC LINE FUSE,THERMAL CUT OFF SLOW START , VOLTAGE LIMITOR		
LED	CLIP, PROTECT, STEREO,BRIDGE, PARALLEL , SIGNAL		
Cooling System	VARIABLE SPEED FAN		
Connection	BAL XLR,1/4" JACK INPUT SPEAKON OUTPUT		
Power Consumption Halfpower 8	850W	1250W	1550W
Power	200---240V~ 50---60Hz		
Dimension (WxDxH)	482X450.5X132mm		

注 意

触电危险
请勿打开机箱

为避免触电，请勿打开外盖，
如需维修请联络授权之专业人士。

磁场之注意事项

请勿将高增益设备如前置放大器等直接放在该功放的上方或下方-因为功放本身产生较强的能量磁场，会给其他过于接近的未经屏蔽的设备带来噪声干扰。其磁场在正上方与正下方最为强烈。

如使用机架，建议将功放器放在架子最下一格，前置放大器及其次敏感设备放在上方。


请注意这些标志:



为避免触电，请勿将此设备暴露在雨中或潮湿环境中



提醒使用者
注意电击危险

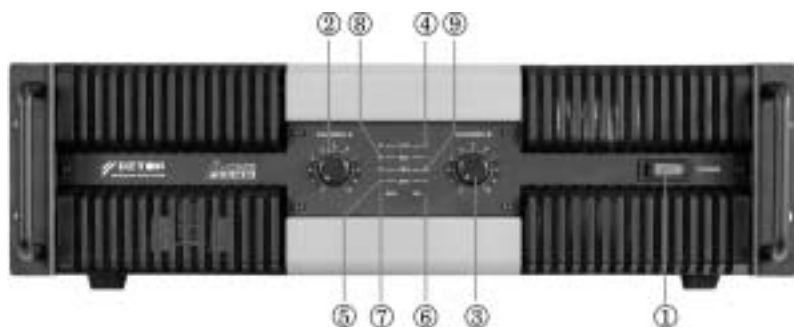


提醒
使用者注意
重要操作或维护事项

特点:

- 1 高效率智能风扇冷却系统
- 2 优质的玻璃纤维线路板
- 3 开机软起动
- 4 过热\过载及短路保护
- 5 自动限幅
- 6 悬浮\接地开关
- 7 输入灵敏度:0.77V
- 8 XLR/1/4" JACK 输入,SPEAKON 输出

前面板:



1:电源开关

当按下此键时,功放的软起动防浪涌冲击电路开始工作,约3-4 秒后,可听见“咔嚓”一声,软起动工作完成,再过 1-2 秒,又听见“咔嚓”声,功放已接入扬声器,此时进入工作状态.

2:CHA 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(在桥接状态时,只使用这个旋钮)

3:CHB 输入电平调整旋钮

参见 CHA 输入电平调整旋钮用法

4:CHA/CHB 峰值指示灯(红色)

有两种情况该灯会点亮

A 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

B 当有信号输入而扬声器无声,指示灯连续不断地闪亮,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

5:立体声工作模式指示灯(绿色)

当功放处于立体声工作模式时,这个灯点亮

6:桥接工作模式指示灯(绿色)

当功放处于桥接工作模式时,这个灯点亮,这时输入信号只作用于 CHA

7:并联指示灯(绿色)

当功放处于并联工作模式时,这个灯点亮,这时输入信号只作用于 CHA

8:CHA/CHB 输出信号指示灯 (绿色)

当功放进入正常工作状态且有信号输出时,该指示灯点亮

9:CHA/CHB 保护指示灯(黄色)

有三种情况指示灯会点亮

A 开机后 3-5 秒,及关机后,功放在不稳定工作状态时,功放脱离扬声器

B 当功率器件的工作温度超过 85 时

C 当功放出现异常故障时

后面板:



1:CHA 输入插座

使用一个标准的 XLR 插座,其接线方法为:

1 脚:信号地 2 脚:信号+ 3 脚:信号-

2:CHB 输入插座

使用一个标准的 XLR 插座,其接线方法为:

1 脚:信号地 2 脚:信号+ 3 脚:信号-

3:CHA 输入插座

使用 1/4"插头,既可采用平衡也可使用非平衡接线方式:

顶:信号+ 环:信号- 筒:信号地

4:CHB 输入插座

使用 1/4"插头,既可采用平衡也可使用非平衡接线方式:

顶:信号+ 环:信号- 筒:信号地

5:功能模式转换开关

用于选择立体声、桥接或并联工作模式.

6:CHA 输出接口

使用一个标准的 SPK 接头 1+ 2+ ,1- 2-

7:CHB 输出接口

使用一个标准的 SPK 接头 1+ 2+ ,1- 2-

8:桥接输出接口

使用一个标准的 SPK 接头 1+ 2+ ,1- 2-

9:悬浮/接地开关

可选择功放处于悬浮或接地状态

10:电源输入线

11:可恢复保险丝

当功放出现故障时,该保险丝会自动断开,停止工作,关机清除故障后,保险丝会自动连接,保证正常工作.

型 号	A-ONE2200	A-ONE3200	A-ONE3600
输出功率 立体 8 4 2	600W+600W	900W+900W	1100W+1100W
	900W+900W	1350W+1350W	1500W+1500W
	1100W+1100W	1600W+1600W	1800W+1800W
桥接 8	1800W	2700W	3000W
并联 2	1800W	2700W	3000W
频响	20Hz--20KHz -1.5dB		
输入灵敏度	0.77V		
信噪比	>90dB	>98dB	>100dB
额定输出功率 8 1KHz 时分高度	>70dB		
阻尼系数	>500	>600	>700
保护	SHORT CIRCUIT,CURRENT LIMITED,DC FAULT,AC LINE FUSE,THERMAL CUT OFF SLOW START , VOLTAGE LIMITER		
指示灯	CLIP, PROTECT, STEREO,BRIDGE, PARALLEL , SIGNAL		
冷却系统	VARIABLE SPEED FAN		
接口	BAL XLR,1/4"JACK INPUT SPEAKON OUTPUT		
功率消耗 半功率 8	850W	1250W	1550W
电源	200---240V~ 50---60Hz		
尺寸 (WxDxH)	482X450.5X132mm		