

DE SERIES PROFESSIONAL POWER AMPLIFIER



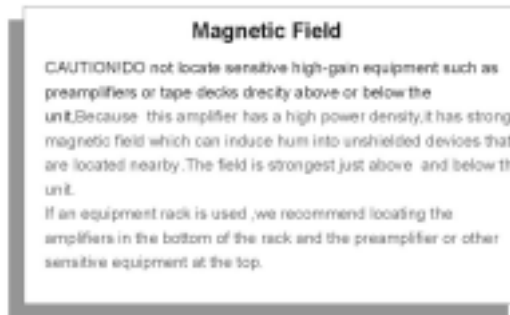
DE SERIES  
PROFESSIONAL  
POWER  
AMPLIFIER



DE2000/DE3000/DE4000/DE5000/DE6000/DE7000/DE8000

# 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 (DE5000-DE8000)
6. Ground/Lift switch
7. Input sensitivity: 0.77V
8. XLR / PHONE JACK input, Speakon / Binding Post 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. CH1 input level control

Adjust it to get the volume desired. When you are far away from the amplifier, 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. CH2 input level control

Same as CH1.

4. CH1/CH2 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. Power on/off LED (green)

Indicating the amplifier is on.

8. CH1/CH2 output level indicating LEDs

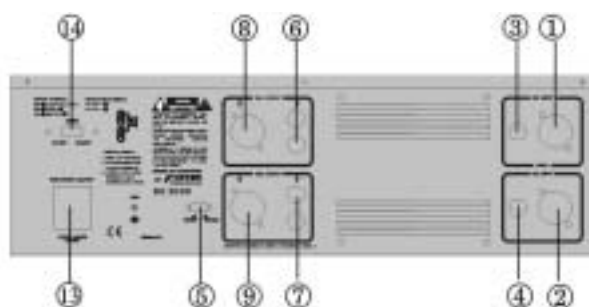
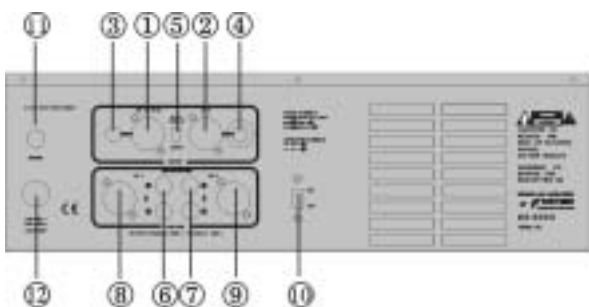
These LEDs can be as reference when adjusting output volume.

9. CH1/CH2 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.
  - C. When something is wrong with the amplifier.

## ENGLISH

### Rear Panel:



#### 1. CH1 XLR input connector

A standard XLR socket.

Pin1: ground Pin2: positive Pin3: negative

#### 2. CH2 XLR input connector

A standard XLR socket.

Pin1: ground Pin2: positive Pin3: negative

#### 3. CH1 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

#### 4. CH2 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

Select Stereo or Bridge mode (DE2000-3000 can work under Bridge mode).

#### 6. CH1 binding post output

#### 7. CH2 binding post output

#### 8. CH1 Speakon output connector

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

#### 9. CH2 Speakon output connector

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

#### 10. Ground/Lift switch

Setting the amplifier to be grounded or lifted.

#### 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.

#### 12. Power supply

#### 13. Power input and fuse socket

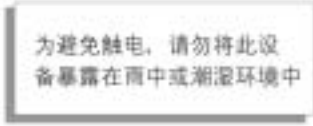
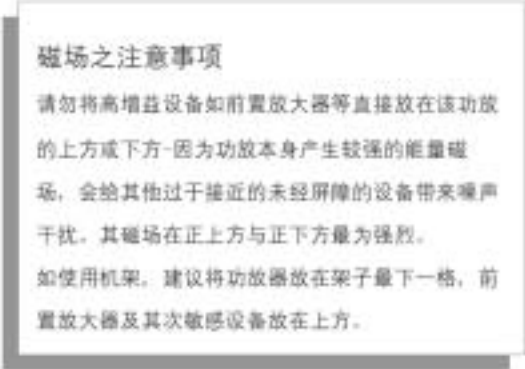
When the fuse is burnt, please replace with fuse of the same specifications.

#### 14. Voltage selecting switch

115V or 230V AC 50-60Hz optional according to local grid.

### Technical parameters:

MODEL	DE2000	DE3000	DE4000	DE5000	DE6000	DE7000	DE8000
OUTPUT POWER STEREO 8 4 BRIDGE 8	200W+200W	300W+300W	400W+400W	500W+500W	600W+600W	700W+700W	800W+800W
	300W+300W	450W+450W	600W+600W	750W+750W	900W+900W	1050W+1050W	1200W+1200W
	600W	900W	1200W	1500W	1800W	2100W	2400W
FREQUENCY RESPONSE	20Hz--20KHz -1.5dB						
INPUT SENSITIVITY	0.77V/0dB						
SIGNAL/NOISE RATIO A-WEIGHTED RMS	>90dB		>98dB		>100dB		
CROSSTALK AT RATED OUTPUT 8 1KHz	>70dB						
DAMPING FACTOR f=1KHz 8	>600						
PROTECTION	SHORT CIRCUIT,CURRENT LIMITED,DC FAULT,AC OFF, SLOW START			LINE FUSE,THERMAL CUT VOLTAGE LIMITED			
INDICATORS	POWER, PROTECT, STEREO,BRIDGE, 10DOTS LEVEL METER						
CLOOLING	VARIABLE SPEED FAN			TWO STEPS SPEED FAN			
CONNECTOR	BAL XLR,1/4"INPUT 5WAY BINDING,SPEAKON						
POWER CONSUMPTION HALF POWER 8	400W	600W	700W	800W	850W	1000W	1200W
POWER SUPPLY	200---240V~ 50---60Hz						
DIMENSIONS (WxDxH)	483x432x132			483x529.5x132			



请注意这些标志:



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(DE5000-DE8000)
- 6 悬浮\接地开关
- 7 输入灵敏度:0.77V
- 8 XLR\PHONE JACK 输入,SPEAKON\接线柱输出

**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:CH1 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:CH2 输入电平调整旋钮**

参见 CH1 输入电平调整旋钮用法

**4:CH1/CH2 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 CH1

**7:电源指示灯(绿色)**

指示功放处于工作状态

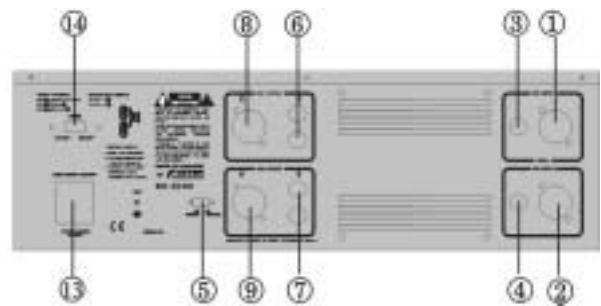
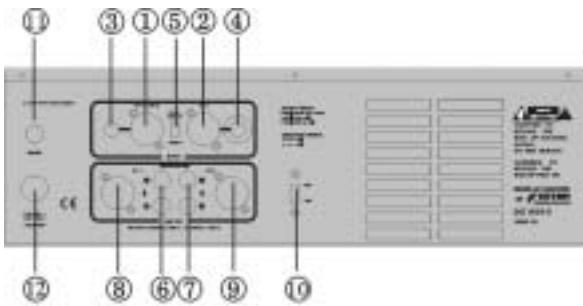
**8:CH1/CH2 输出电平显示**

使用时可参照该电平指示对输出音量进行调整

**9:CH1/CH2 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:CH1 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:CH2 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: CH1 输入插座**

用于已于 1/4"插头,既可使用平衡也可使用非平衡插头:

顶:信号+ 环:信号- 筒:信号地

**4: CH2 输入插座**

用于已于 1/4"插头,既可使用平衡也可使用非平衡插头:

顶:信号+ 环:信号- 筒:信号地

**5:功能模式转换开关**

用于选择立体声或桥接工作模式.

**6:CH1 输出接线柱**

**7:CH2 输出接线柱**

**8:CH1 输出接口**

使用一个标准的 SPK 接头 1+ 2+,1- 2-

**9:CH2 输出接口**

使用一个标准的 SPK 接头 1+ 2+,1- 2-

**10:悬浮/接地开关**

可选择功放处于悬浮或接地状态

**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.清除故障后,会自动连接,保证正常工作.

**12:电源输入线**

**13:电源输入插座和保险丝**

当功放出现问题而使保险丝烧断时,请用相同规格的保险丝替换

**14:输入电压转换开关(DE2000-DE4000)**

根据当地的电网可选择 AC115 或 AC230 50-60Hz 电压输入.

型 号	DE2000	DE3000	DE4000	DE5000	DE6000	DE7000	DE8000
输出功率 立体 8 4 桥接 8	200W+200W	300W+300W	400W+400W	500W+500W	600W+600W	700W+700W	800W+800W
	300W+300W	450W+450W	600W+600W	750W+750W	900W+900W	1050W+1050W	1200W+1200W
	600W	900W	1200W	1500W	1800W	2100W	2400W
频 响	20Hz--20KHz -1.5dB						
输入灵敏度	0.77V/0dB						
信噪比	>90dB		>98dB		>100dB		
额定输出功率 8 1KHz 时分离度	>70dB						
阻尼系数	>600						
保护	SHORT CIRCUIT,CURRENT LIMITED,DC FAULT,AC LINE FUSE,THERMAL CUT OFF, SLOW START				VOLTAGE LIMITED		
指示灯	POWER, PROTECT, STEREO,BRIDGE, 10DOTS LEVEL METER						
冷却系统	VARIABLE SPEED FAN			TWO STEPS SPEED FAN			
接口	BAL XLR,1/4"INPUT 5WAY BINDING,SPEAKON						
功率消耗 半功率 8	400W	600W	700W	800W	850W	1000W	1200W
电源	200---240V~ 50---60Hz						
尺寸 (WxDxH)	483x432x132			483x529.5x132			