SEEIAU\0EEIAU\5005AU\0005AU 088AU\5EEAU\0EEAU\500AU

PROFESSIONAL POWER AMPLIFIER



DEAR CUSTOMERS:

Please carefully read and strictly follow the user's manual when you use UA series professional amplifier. If you have any question, please contact the local dealer.

CATALOGUE

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1. NOTES

- A High voltage inside the equipment. Do not open the cover. Ask for the help from the professionals when need servicing.
- A Please do not expose the equipment in the rain or moisture.
- A Keep adequate ventilation, do not block the port.
- A Be sure the voltage of this equipment complies with the local industrial voltage.
- A Please put off the power plug if unused for a long time.
- A Please connect rated load. Never working under the overload for a long time.

■ Symbols:

- ☐ The equilateral triangle with lightning bolt warns the user of dangerous voltage levels localized within the cabinet.
- ☐ The equilateral triangle with exclamatory mark means the important operation on the user's manual.

2、FEATURES

UA series is the amplifier with big power and excellent performance. It can meet different audio avenues.

- 1> Big power, dynamic energy;
- 2> Innovative heat sink structure and high quality heat sink fan assure reliable working for a long time;
- 3> "loading impedance temperature-power-running voltage" can be controlled alternately, Speed of Fan is automatic adjusted by temperature. When load is too low or temperature is too high, the equipment can adjust the power supply and lower impedance of power, which improves sound quality and protect the equipment better. The reliability will be improved remarkably;
- 4> Low distortion;
- 5> High slew speed, outstanding sound quality and high transparent;
- 6> Low noise:S/N>108dB(A Weight);
- 7> 20Hz~20KHz <+0/-0.25 dB; wide frequency band;
- 8> Small dimension, 2U rack mounting.
- 9> UA2002,UA1332,UA662,UA332 are specially designed for low loading imedance,and can work for a long time under 2 .

	Stereo mode	8	1000W	
	Stereo mode	4	1600W	
Rated Power	Parallel mono mode		1000W	
Rated Fower	raiallei illollo illoue	4	1600W	
	Bridged mono mode	16	2000W	
	Bridged mono mode	8	3200W	
THD	<0.05%(10%Rated power)			
Intermodulation distortion	<0.1%(60Hz/7kHz,10%Rated power)			
Frequency response	20Hz~20kHz(+0/-0.25dB)			
Phase difference	<±15°			
Damping factors	>800(8 /100Hz)			
Segregation	>75dB			
S/N	>108dB(A-Weight)			
Total gain	39±0.5dB			
Difference of Channel gain	<0.25dB			
Input sensitivity	1V			
Slew speed	>100V/µs			
Input impedance	Unbalanced input 10k ,Balanced input 20k			
Input connectors	Three pin XLR/6.35mm			
Output connectors	Speakon binding post,NL4 speakon			
Cooling	Four fans, stepless shifting, Cooling airflow from front to back			
Controls on front panel	Switch of AC, Gain controlling knob for o	hannel <i>A</i>	and B	
Controls on rear panel	Parallel/Stereo/Bridge, LF cutting, Grounding, Limit			
Indicator on front panel	Yellow-Bridge,Red-Overload,Green-Sigr	nal		
Amplifier protection	Short Circuit, Maladjustment of DC, Overload, Overheat ,Etc			
Dimensions	483×452×88mm			
Net weight	30kg			
Power supply AC 240V,50Hz/60Hz,1500VA				
Environment Temperature				
Environment humidity	≤90%			

	Ctoroo modo	4	950W	
	Stereo mode	2	1500W	
Rated Power	Davallal mana mada		950W	
Rated Fower	Parallel mono mode	2	1500W	
	Bridged mono mode	8	1900W	
	Bridged mono mode	4	3000W	
THD <0.05%(10%Rated power)			•	
Intermodulation distortion	<0.1%(60Hz/7kHz,10%Rated power)			
Frequency response	20Hz~20kHz(+0/-0.25dB)			
Phase difference	<±15°			
Damping factors	>800(8 /100Hz)			
Segregation	>75dB			
S/N	>108dB(A-Weight)			
Total gain	35.7±0.5dB			
Difference of Channel gain	<0.25dB			
Input sensitivity	1V			
Slew speed	>70V/µs			
Input impedance	Unbalanced input 10k ,Balanced input 2	0k		
Input connectors	Three pin XLR/6.35mm			
Output connectors	Speakon binding post,NL4 speakon			
Cooling	Four fans, stepless shifting, Cooling airflow from front to back			
Controls on front panel	Switch of AC, Gain controlling knob for o	hannel A	A and B	
Controls on rear panel	Parallel/Stereo/Bridge, LF cutting, Grounding, Limit			
Indicator on front panel	Yellow-Bridge,Red-Overload,Green-Signal			
Amplifier protection	Short Circuit, Maladjustment of DC, Over	load, Ov	erheat ,Etc	
Dimensions	483×452×88mm			
Net weight	30kg			
Power supply	AC 240V,50Hz/60Hz,1500VA			
Environment Working temperature: -10°C~40°C Storing temperature: -25°C~80°C				
Environment humidity	≤90%			

	Stereo mode		660W
	Stereo mode	4	1000W
Rated Power	Parallel mono mode		660W
Rated Power	Parallel mono mode	4	1000W
	Bridged mono mode	16	1330W
	Bridged mono mode	8	2000W
THD	<0.05%(10%Rated power)		
Intermodulation distortion	<0.1%(60Hz/7kHz,10%Rated power)		
Frequency response	20Hz~20kHz(+0/-0.25dB)		
Phase difference	<±15°		
Damping factors	>800(8 /100Hz)		
Segregation	>75dB		
S/N	>108dB(A-Weight)		
Total gain	37.3±0.5dB		
Difference of Channel gain	<0.25dB		
Input sensitivity	1V		
Slew speed	>80V/µs		
Input impedance	Unbalanced input 10k ,Balanced input 2	0k	
Input connectors	Three pin XLR/6.35mm		
Output connectors Speakon binding post,NL4 speako			
Cooling Four fans, stepless shifting, Cooling airflow from front to back			
Controls on front panel	Switch of AC,Gain controlling knob for c	hannel A	and B
Controls on rear panel	Parallel/Stereo/Bridge, LF cutting, Grounding, Limit		
Indicator on front panel	Yellow-Bridge,Red-Overload,Green-Signal		
Amplifier protection	Short Circuit, Maladjustment of DC, Overload, Overheat ,Etc		
Dimensions	483×375×88mm		
Net weight	18kg		
Power supply AC 240V,50Hz/60Hz,1000VA			
Environment Temperature			
Environment humidity	≤90%		

Rated Power Parallel mono mode 4 660W 2 1000W					
Rated Power		Storoo modo	4	660W	
Rated Power Bridged mono mode ### 1300W #### 2000W #################################		Stereo mode	2	1000W	
Bridged mono mode	Pated Power	Donallal mana mada		660W	
THD	Rated Fower	Parallel Illollo Illode	2	1000W	
THD		Bridged mone mode	8	1300W	
Intermodulation distortion Frequency response 20Hz~20kHz(+0/-0.25dB) Phase difference >800(8 /100Hz) Segregation >75dB S/N >108dB(A-Weight) Total gain 34.2±0.5dB Input sensitivity IV Slew speed >70V/ µs Input impedance Unbalanced input 10k ,Balanced input 20k Input connectors Three pin XLR/6.35mm Output connectors Speakon binding post,NL4 speakon Cooling Controls on front panel Controls on rear panel Indicator on front panel Amplifier protection Dimensions 483×375×88mm Net weight Four fans, 1000Hz, 1000VA Environment Working temperature: -10°C~40°C		Bridged mono mode	4	2000W	
St. 1%(60HZ/7KHZ, 10%Kated power)	THD	<0.05%(10%Rated power)			
Phase difference	1	<0.1%(60Hz/7kHz,10%Rated power)			
Damping factors >800(8 /100Hz) Segregation >75dB S/N >108dB(A-Weight) Total gain 34.2±0.5dB Difference of Channel gain <0.25dB	Frequency response	20Hz~20kHz(+0/-0.25dB)			
Segregation >75dB S/N >108dB(A-Weight) Total gain 34.2±0.5dB Difference of Channel gain <0.25dB Input sensitivity 1V Slew speed >70V/μs Input impedance Unbalanced input 10k ,Balanced input 20k Input connectors Three pin XLR/6.35mm Output connectors Speakon binding post,NL4 speakon Cooling Four fans, stepless shifting, Cooling airflow from front to back Controls on front panel Switch of AC,Gain controlling knob for channel A and B Controls on rear panel Parallel/Stereo/Bridge, LF cutting,Grounding,Limit Indicator on front panel Yellow-Bridge,Red-Overload,Green-Signal Amplifier protection Short Circuit, Maladjustment of DC, Overload, Overheat ,Etc Dimensions 483×375×88mm Net weight 15kg Power supply AC 240V,50Hz/60Hz,1000VA Environment Working temperature: -10°C~40°C	Phase difference	<±15°			
S/N >108dB(A-Weight) Total gain 34.2±0.5dB Difference of Channel gain <0.25dB Input sensitivity 1V Slew speed >70V/µs Input impedance Unbalanced input 10k ,Balanced input 20k Input connectors Three pin XLR/6.35mm Output connectors Speakon binding post,NL4 speakon Cooling Four fans, stepless shifting, Cooling airflow from front to back Controls on front panel Switch of AC,Gain controlling knob for channel A and B Controls on rear panel Parallel/Stereo/Bridge, LF cutting,Grounding,Limit Indicator on front panel Yellow-Bridge,Red-Overload,Green-Signal Amplifier protection Short Circuit, Maladjustment of DC, Overload, Overheat ,Etc Dimensions 483×375×88mm Net weight 15kg Power supply AC 240V,50Hz/60Hz,1000VA Environment Working temperature: -10°C~40°C	Damping factors	>800(8 /100Hz)			
Total gain Difference of Channel gain Input sensitivity Slew speed Input impedance Unbalanced input 10k ,Balanced input 20k Input connectors Three pin XLR/6.35mm Output connectors Speakon binding post,NL4 speakon Four fans, stepless shifting, Cooling airflow from front to back Controls on front panel Controls on rear panel Parallel/Stereo/Bridge, LF cutting,Grounding,Limit Indicator on front panel Amplifier protection Short Circuit, Maladjustment of DC, Overload, Overheat ,Etc Dimensions 483×375×88mm Net weight 15kg Power supply AC 240V,50Hz/60Hz,1000VA Environment Working temperature: -10°C~40°C	Segregation	>75dB			
Difference of Channel gain Input sensitivity Slew speed Input impedance Input connectors Output connectors Cooling Four fans, stepless shifting, Cooling airflow from front to back Controls on rear panel Controls on rear panel Indicator on front panel Amplifier protection Dimensions As 375×88mm Net weight Power supply AC 240V,50Hz/60Hz,1000VA Input sensitivity 1V Slew speed >70V/μs Input impedance Unbalanced input 10k ,Balanced input 20k Relative (Input 20k Input connectors Speakon binding post,NL4 speakon Four fans, stepless shifting, Cooling airflow from front to back Controls on front panel Switch of AC,Gain controlling knob for channel A and B Parallel/Stereo/Bridge, LF cutting,Grounding,Limit Yellow-Bridge,Red-Overload,Green-Signal Amplifier protection Short Circuit, Maladjustment of DC, Overload, Overheat ,Etc Dimensions 483×375×88mm Net weight 15kg Power supply AC 240V,50Hz/60Hz,1000VA Environment Working temperature: -10°C~40°C	S/N	>108dB(A-Weight)			
Channel gain <0.25dB	Total gain	34.2±0.5dB			
Slew speed >70V/µs Input impedance Unbalanced input 10k ,Balanced input 20k Input connectors Three pin XLR/6.35mm Output connectors Speakon binding post,NL4 speakon Cooling Four fans, stepless shifting, Cooling airflow from front to back Controls on front panel Switch of AC,Gain controlling knob for channel A and B Controls on rear panel Parallel/Stereo/Bridge, LF cutting,Grounding,Limit Indicator on front panel Yellow-Bridge,Red-Overload,Green-Signal Amplifier protection Short Circuit, Maladjustment of DC, Overload, Overheat ,Etc Dimensions 483×375×88mm Net weight 15kg Power supply AC 240V,50Hz/60Hz,1000VA Environment Working temperature: -10°C~40°C		<0.25dB			
Input impedance Input connectors Three pin XLR/6.35mm Output connectors Speakon binding post,NL4 speakon Cooling Four fans, stepless shifting, Cooling airflow from front to back Controls on front panel Controls on rear panel Parallel/Stereo/Bridge, LF cutting, Grounding, Limit Indicator on front panel Amplifier protection Short Circuit, Maladjustment of DC, Overload, Overheat ,Etc Dimensions 483×375×88mm Net weight 15kg Power supply AC 240V,50Hz/60Hz,1000VA Environment Working temperature: -10℃~40℃	Input sensitivity	1V			
Input connectors Output connectors Speakon binding post,NL4 speakon Four fans, stepless shifting, Cooling airflow from front to back Controls on front panel Switch of AC,Gain controlling knob for channel A and B Controls on rear panel Parallel/Stereo/Bridge, LF cutting,Grounding,Limit Indicator on front panel Yellow-Bridge,Red-Overload,Green-Signal Amplifier protection Short Circuit, Maladjustment of DC, Overload, Overheat,Etc Dimensions 483×375×88mm Net weight 15kg Power supply AC 240V,50Hz/60Hz,1000VA Environment Working temperature: -10°C~40°C	Slew speed	>70V/µs			
Output connectors Speakon binding post,NL4 speakon Cooling Four fans, stepless shifting, Cooling airflow from front to back Controls on front panel Controls on rear panel Parallel/Stereo/Bridge, LF cutting,Grounding,Limit Indicator on front panel Amplifier protection Short Circuit, Maladjustment of DC, Overload, Overheat ,Etc Dimensions 483×375×88mm Net weight 15kg Power supply AC 240V,50Hz/60Hz,1000VA Environment Working temperature: -10℃~40℃	Input impedance	Unbalanced input 10k ,Balanced input 20k			
Cooling Four fans, stepless shifting, Cooling airflow from front to back Controls on front panel Switch of AC,Gain controlling knob for channel A and B Controls on rear panel Parallel/Stereo/Bridge, LF cutting,Grounding,Limit Indicator on front panel Yellow-Bridge,Red-Overload,Green-Signal Amplifier protection Short Circuit, Maladjustment of DC, Overload, Overheat ,Etc Dimensions 483×375×88mm Net weight 15kg Power supply AC 240V,50Hz/60Hz,1000VA Environment Working temperature: -10°C~40°C	Input connectors	Three pin XLR/6.35mm			
Cooling airflow from front to back Controls on front panel Switch of AC,Gain controlling knob for channel A and B Controls on rear panel Parallel/Stereo/Bridge, LF cutting,Grounding,Limit Indicator on front panel Yellow-Bridge,Red-Overload,Green-Signal Amplifier protection Short Circuit, Maladjustment of DC, Overload, Overheat ,Etc Dimensions 483×375×88mm Net weight 15kg Power supply AC 240V,50Hz/60Hz,1000VA Environment Working temperature: -10°C~40°C	Output connectors	Speakon binding post,NL4 speakon			
Controls on rear panel Parallel/Stereo/Bridge, LF cutting, Grounding, Limit Indicator on front panel Yellow-Bridge, Red-Overload, Green-Signal Amplifier protection Short Circuit, Maladjustment of DC, Overload, Overheat, Etc Dimensions 483×375×88mm Net weight 15kg Power supply AC 240V,50Hz/60Hz,1000VA Environment Working temperature: -10°C~40°C	Cooling				
Indicator on front panel Yellow-Bridge,Red-Overload,Green-Signal Amplifier protection Short Circuit, Maladjustment of DC, Overload, Overheat,Etc Dimensions 483×375×88mm Net weight 15kg Power supply AC 240V,50Hz/60Hz,1000VA Environment Working temperature: -10°C~40°C	Controls on front panel	Switch of AC, Gain controlling knob for c	hannel A	A and B	
Amplifier protection Short Circuit, Maladjustment of DC, Overload, Overheat, Etc Dimensions 483×375×88mm Net weight 15kg Power supply AC 240V,50Hz/60Hz,1000VA Environment Working temperature: -10°C~40°C	Controls on rear panel	Parallel/Stereo/Bridge, LF cutting, Grounding, Limit			
Dimensions 483×375×88mm Net weight 15kg Power supply AC 240V,50Hz/60Hz,1000VA Environment Working temperature: -10℃~40℃	Indicator on front panel	Yellow-Bridge,Red-Overload,Green-Sigr	nal		
Net weight15kgPower supplyAC 240V,50Hz/60Hz,1000VAEnvironmentWorking temperature: -10℃~40℃	Amplifier protection	Short Circuit, Maladjustment of DC, Overload, Overheat ,Etc			
Power supply AC 240V,50Hz/60Hz,1000VA Environment Working temperature: -10°C~40°C	Dimensions	483×375×88mm			
Environment Working temperature: -10 ℃~40 ℃	Net weight	15kg			
	Power supply AC 240V,50Hz/60Hz,1000VA				
	1				
Environment humidity ≤90%	Environment humidity	≤90%			

	Stereo mode	8	330W	
	Stereo mode	4	500W	
Dotad Dawer	Danallal mana anada		330W	
Rated Power	Parallel mono mode	4	500W	
	Bridged mono mode	16	660W	
	Bridged mono mode	8	1000W	
THD	<0.05%(10%Rated power)			
Intermodulation distortion	<0.1%(60Hz/7kHz,10%Rated power)			
Frequency response	20Hz~20kHz(+0/-0.25dB)			
Phase difference	<±15°			
Damping factors	>800(8 /100Hz)			
Segregation	>75dB			
S/N	>108dB(A-Weight)			
Total gain	34±0.5dB			
Difference of Channel gain	<0.25dB			
Input sensitivity	1V			
Slew speed	>60V/µs			
Input impedance	Unbalanced input 10k ,Balanced input 2	0k		
Input connectors	Three pin XLR/6.35mm			
Output connectors	Speakon binding post,NL4 speakon			
Cooling Four fans, stepless shifting, Cooling airflow from front to back				
Controls on front panel	Switch of AC,Gain controlling knob for c	hannel A	and B	
Controls on rear panel	Parallel/Stereo/Bridge, LF cutting, Grounding, Limit			
Indicator on front panel	Yellow-Bridge,Red-Overload,Green-Sign	ıal		
Amplifier protection	Short Circuit, Maladjustment of DC, Overload, Overheat ,Etc			
Dimensions	483×375×88mm			
Net weight 15kg Power supply AC 240V,50Hz/60Hz,500VA				
Environment Temperature				
Environment humidity	≤90%			

	Stereo mode	4	330W
	Stereo mode	2	500W
Rated Power	Parallel mono mode		330W
Rated Fower	Parallel Illollo Illoue	2	500W
	Bridged mono mode	8	660W
	Bridged mono mode	4	1000W
THD	THD <0.05%(10%Rated power)		
Intermodulation distortion	<0.1%(60Hz/7KHz,10%Rated power)		
Frequency response	20Hz~20KHz(+0/-0.25dB)		
Phase difference	<±15°		
Damping factors	>800(8 /100Hz)		
Segregation	>75dB		
S/N	>108dB(A-Weight)		
Total gain	31.2±0.5dB		
Difference of Channel gain	<0.25dB		
Input sensitivity	1V		
Slew speed	>50V/µs		
Input impedance	Unbalanced input 10k ,Balanced input 2	20k	
Input connectors	Three pin XLR/6.35mm		
Output connectors	Speakon binding post,NL4 speakon		
Cooling	Four fans, stepless shifting, Cooling airflow from front to back		
Controls on front panel	Switch of AC, Gain controlling knob for o	channel <i>i</i>	A and B
Controls on rear panel	Parallel/Stereo/Bridge, LF cutting, Grounding, Limit		
Indicator on front panel	Yellow-Bridge,Red-Overload,Green-Signal		
Amplifier protection	Short Circuit, Maladjustment of DC, Over	load, Ov	erheat ,Etc
Dimensions 483×375×88mm			
Net weight	12.5kg		
Power supply	AC 240V,50Hz/60Hz,500VA		
Environment Temperature			
Environment humidity	≤90%		

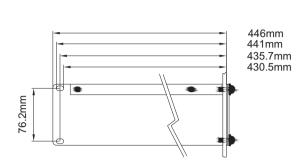
Rated Power Pa Br THD <0 Intermodulation distortion	rereo mode arallel mono mode ridged mono mode 0.05%(10%Rated power)	8 4 8 4 16 8	200W 300W 200W 300W 400W	
Rated Power Pa Br THD <0 Intermodulation distortion	ridged mono mode	8 4 16	200W 300W 400W	
THD <0 Intermodulation distortion	ridged mono mode	4 16	300W 400W	
THD <0 Intermodulation distortion	ridged mono mode	16	400W	
THD <0 Intermodulation distortion				
THD <0 Intermodulation distortion		8	600W	
Intermodulation distortion <(0.05%(10%Rated power)	00000		
distortion				
	0.1%(60Hz/7kHz,10%Rated power)	<0.1%(60Hz/7kHz,10%Rated power)		
Frequency response 20)Hz~20kHz(+0/-0.25dB)			
Phase difference <	±15°			
Damping factors >8	300(8 /100Hz)			
Segregation >7	75dB			
S/N >1	108dB(A-Weight)			
Total gain 32	32±0.5dB			
Difference of Channel gain	<0.25dB			
Input sensitivity 1\	1V			
Slew speed >5	50V/µs			
Input impedance Ui	Unbalanced input 10k ,Balanced input 20k			
Input connectors Th	Three pin XLR/6.35mm			
Output connectors Sp	Speakon binding post,NL4 speakon			
	our fans, stepless shifting, poling airflow from front to back			
Controls on front panel Sv	witch of AC,Gain controlling knob for cl	hannel A	and B	
Controls on rear panel Pa	Parallel/Stereo/Bridge, LF cutting, Grounding, Limit			
Indicator on front panel Ye	Yellow-Bridge,Red-Overload,Green-Signal			
Amplifier protection Sh	Short Circuit, Maladjustment of DC, Overload, Overheat ,Etc			
Dimensions 48	483×310×88mm			
Net weight 11	kg			
Power supply AC 240V,50Hz/60Hz,300VA				
Environment humidity <	90%			

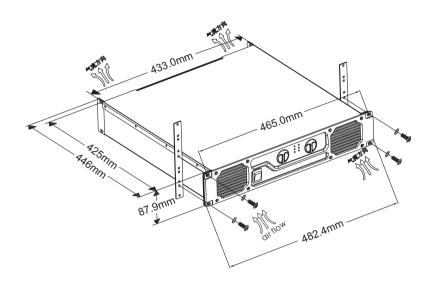
	Stereo mode	4	200W
	Stereo mode		300W
Rated Power	Parallel mono mode		200W
Rated Fower			300W
	Bridged mono mode	8	400W
	Bridged mono mode	4	600W
THD	THD <0.05%(10%Rated power)		
Intermodulation distortion	<0.1%(60Hz/7kHz,10%Rated power)		
Frequency response	20Hz~20kHz(+0/-0.25dB)		
Phase difference	<±15°		
Damping factors	>800(8 /100Hz)		
Segregation	>75dB		
S/N	>108dB(A-Weight)		
Total gain	29±0.5dB		
Difference of Channel gain	<0.25dB		
Input sensitivity	1V		
Slew speed	>50V/µs		
Input impedance	Unbalanced input 10k ,Balanced input 2	20k	
Input connectors	Three pin XLR/6.35mm		
Output connectors Speakon binding post,NL4 speakor			
Cooling	Four fans, stepless shifting, Cooling airflow from front to back		
Controls on front panel	Switch of AC,Gain controlling knob for channel A and B		
Controls on rear panel	Parallel/Stereo/Bridge, LF cutting, Grounding, Limit		
Indicator on front panel	Yellow-Bridge,Red-Overload,Green-Signal		
Amplifier protection	Short Circuit, Maladjustment of DC, Overload, Overheat ,Etc		
Dimensions 483×310×88mm			
Net weight	11kg		
Power supply	AC 240V,50Hz/60Hz,300VA		
Environment Temperature			
Environment humidity	≤90%		

	Stereo mode		800W	
	Stereo mode	4	1260W	
Rated Power	Parallel mono mode		800W	
Rated Power	Parallel mono mode	4	1260W	
	Bridged mono mode	16	1600W	
	Bridged mono mode	8	2560W	
THD	<0.05%(10%Rated power)			
Intermodulation distortion	<0.1%(60Hz/7kHz,10%Rated power)			
Frequency response	20Hz~20kHz(+0/-0.25dB)			
Phase difference	<±15°			
Damping factors	>800(8 /100Hz)			
Segregation	>75dB			
S/N	>108dB(A-Weight)			
Total gain	38±0.5dB			
Difference of Channel gain	<0.25dB			
Input sensitivity	1V			
Slew speed	>80V/µs			
Input impedance	Unbalanced input 10k ,Balanced input 2	0k		
Input connectors	Three pin XLR/6.35mm			
Output connectors Speakon binding post,NL4 speakon				
Cooling Four fans, stepless shifting, Cooling airflow from front to back				
Controls on front panel	Switch of AC,Gain controlling knob for c	hannel A	and B	
Controls on rear panel	Parallel/Stereo/Bridge, LF cutting, Grounding, Limit			
Indicator on front panel	Yellow-Bridge,Red-Overload,Green-Signal			
Amplifier protection	Short Circuit, Maladjustment of DC, Overload, Overheat ,Etc			
Dimensions	483×452×88mm			
Net weight 25kg				
Power supply AC 240V,50Hz/60Hz,1200VA				
Environment Temperature				
Environment humidity	≤90%			

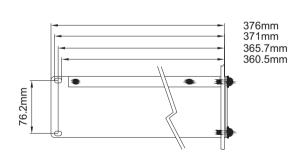
4, INSTALLATIONS

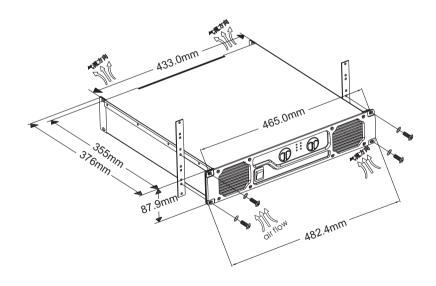
UA2000/UA2002/UA880:





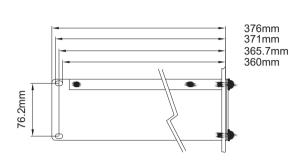
UA1330/UA660:

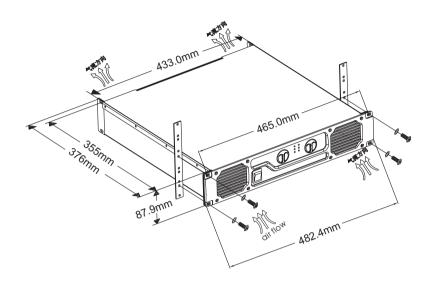




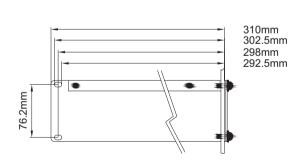
4, INSTALLATIONS

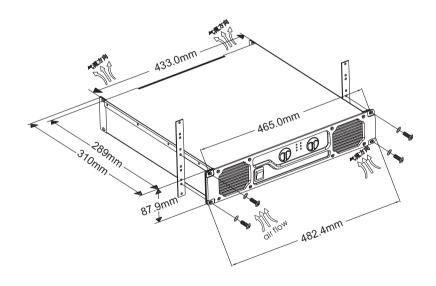
UA1332/UA662:



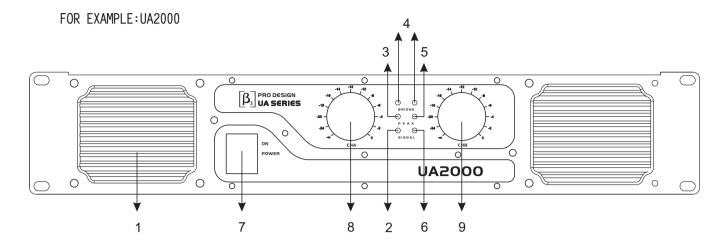


UA332/UA330:





5. FRONT PANEL

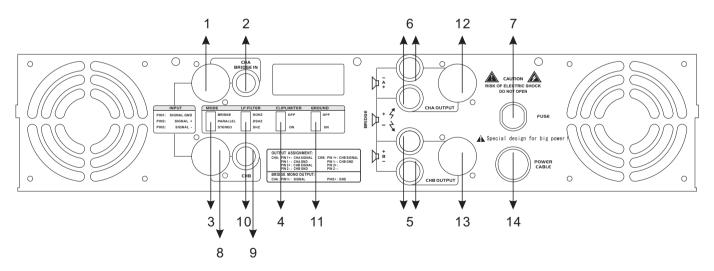


- 1, air input port
- 2, signal indicator of channel A
- 3, overload indicator of channel A
- 4. bridge indicator of channel
- 5, overload indicator of channel B

- 6、 signal indicator of channel B
- 7, power switch
- 8, gain adjustment pots of channel A
- 9, gain adjustment pots of channel B

6、 REAR PANEL

FOR EXAMPLE: UA2000



- 1, signal input of channel A(XLR JACK)
- 2, signal input of channel A(1/4" mic jack)
- 3, switch of working modes
- 4、limiters
- 5, signal output of channel B(binding post)
- 6, signal output of channel A(binding post)
- 7、fuse

- 8, signal input of channel B(XLR plug)
- 9. signal input of channel B(1/4" mic jack)
- 10 filter switch
- 11, grounding switch
- 12 signal output of channel A(NL4 JACK)
- 13, signal output of channel B(NL4 JACK)
- 14 cable

7. POWER SUPPLY

▲ Please assure the local voltage comply with the voltage indicated on rear panel before connecting power supply (AC 240V,50Hz/60Hz);

Please assure the cable and jack of power supply not damaged before connecting power supply; Put off the plug after power off;

8, INPUT/OUTPUT CONNECTORS

input connectors
The XLR jack and 1/4" microphone jack in same channel are paralleled;
Input the signal from either connectors and output the signal for connecting next amplifier
If the amplifiers connected are too many, the sound quality may be affected;
Please do not input the signal from two connectors in same channel at the same time.
Output connectors
The binding post and NL4 jack in same channel of "UA series" amplifier are paralleled;
Do not connect loads to the two connectors at the same time;
The red end of binding post is connected with anode of speaker, the black end connected
with cathode of speaker;
Only the load suited with the power and impedance of amplifier can be connected
with the output connectors of amplifier.

9. FUNCTION SETUP AND CABLE CONNECTING

1> Limiter setup:

As the below drawing, when switch is OFF, the limit is off, the limit circuit is out of work, if input signal is too strong, output can cause clip distortion and also raise overload on loudspeaker

As the below drawing, when the switch is ON, the limit is on, if the input signal is too strong, the limit circuit can control the gain and reduce the distortion, also control the average output power, but it does not affect peak power, protect the loudspeaker and assure the dynamic of music. Note: Please set to "ON" position when using.

2> LF cutting setup:

When LF cutting is at 50Hz, it equals discrete a 50Hz high pass filter on input, the signal lower than 50Hz will be accordingly attenuated, then can reduce the noneffective swing and lower the distortion. Like the right drawing:

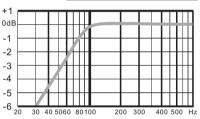
When LF cutting is at 25Hz, it equals discrete a 25Hz high pass filter on input circuit, it just attenuate the signal lower than 25Hz.

Like the right drawing:

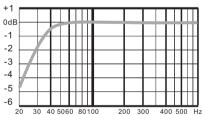












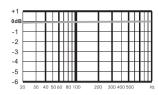
FUNCTION SETUP AND CABLE CONNECTING

When LF cutting is at 5Hz, the audio signal can be amplified really. Like the right drawing:

3> Mode option and signal cable connection, Like the right drawing:

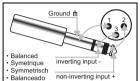
Connecting direction:













A. Stereo connecting mode:

Put the switch of mode at stereo, like the right picture:

Under the stereo mode, the signal on channel A and channel B is independent, the signal to channel A is just for channel A, the signal to channel B is only for Channel B. Like the right drawing:

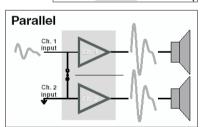


Stereo, bi-amp, 2-channel

B. Mono paralleled mode:

Put the switch of mode at PARALLEL, like the below picture:

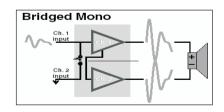
Under the mono parallel mode, the effect of input signal from channel A and channel B is same. The signal on input channel A can be provided to output A, also to output B. The signal on input channel B not only provide to output A, also to output B, But please not input the signal from channel A and B at the same time. Note: The mono parallel mode just means the parallel of input signal. Never parallel the output terminals, Like the right drawing:



C. Bridged mode:

Put the switch of mode at BRIDGE, like the right picture:

Under the bridged mono, signal just can be input from channel A, no voice if input from channel B, the anode of output A is the anode of bridged output, the anode of output B is the cathode of bridged output. like right drawing:





Under the bridge mode, The output voltage is so high enough to make a electronic shock. Please power off the unit before operate it under bridge mode. If need bridge operation under 4Ω please select UA2002

10. OPERATIONS

Please follow the steps during using the equipment

1> Start

- a. Setup the function and connection according to the above function setup and connecting;
- b. Check if the output cable is short circuit and the load is too low;
- c. Check if the local voltage complies with the user's manual;
- d. Be sure the switch of power supply at "0" and the volume is the lowest;
- e. Connect the power supply, turn on the equipment of sound source, pre and effect equipment and assure these equipments work in order;
- fy Turn on the switch of power supply(put it at"1"position);
- g. Adjust the knob of volume clockwise to right position.

2> Off

- a. Adjust the knob of volume unti-clockwise to the lowest;
- b. Turn off the switch of power supply on the front panel(put it at "0"position);
- c. Turn off the pre and effect equipments, sound source equipments;

11、INDICATORS ON FRONT PANEL

- 1>If signal indicator flashes, it means if there is signal output in two channels;
- 2>If peak indicator flashes, it means that the input voltage is too high. You should turn down the volume;
- 3>If the peak indicator always lights, it means faults. The reason is like this: loading is too low, short on loading, temperature is too high. You should check it after power off. Turn on again if no abnormity;
- 4>If bridge indicator lights, it means the amplifier is under the bridged mode.

12, PROTECTION FUNCTION

Perfect protection function can prevent the damage for amplifier and speaker caused by short circuit and output DC and overheat.

- 1>Short circuit protection: when the load at the output end is short circuit, the equipment can cut off the signal and protect the equipment;
- 2>Output DC protection: when the equipment has faults and there is DC in output signal, the equipment can cut off output automatically and avoid damage for speaker caused by DC;
- 3>Overheat protection: If the temperature of heat sink is over the allowed temperature, the sensor will cut off the output, avoid damage caused by high temperature and protect the amplifier.

13、TROUBLES AND TROUBLE SHOOTINGS

Trouble	SN	Troublele shootings
	1	Check if the power plug and jack are connected well.
No voice, Power indicator lights off	2	If the power jack corresponds with AC 240V,50Hz/60Hz.
	3	Check if the fuse on rear panel is broken.
No voice, Power indicator	1	Check if the music signal cable is connected well.
Lights, Signal indicator Light off	2	Check if the power of music source is turned on and the volume is turned on.
	3	If the volume pots is turned on.
	1	If the music source output is too big.
CLIP indicator last slighting on, Voice is abnormal	2	If the CLIP LIMITER is at the "ON"position.
on, voice is abnormal	3	Check if there is any short circuit in output connectons and if the load is correct. The restart.
The bass is not sufficient	1	If the LF FILTER on rear panel is at the LF 50Hz or at LF 25Hz, setup the switch at appropriate place.
No voice on one channel under paralleled mono mode	1	Check if the switch of MODE on rear panel is at the PARALLEL, please put it at PARALLEL if it not at the position.
Output of bridge is too low	1	Check the input signal can comply with voltage, please enhance the input signal if not sufficient.
Calput of bridge is too low	2	Check if input SIGNAL voltage is suited, please enhance the input SIGNAL if not sufficient.
Burning the fuse when start	1	Check the local voltage is same as the voltage of the equipment.
Others	1	Check if the setup and connection are accordant with the user manual.

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