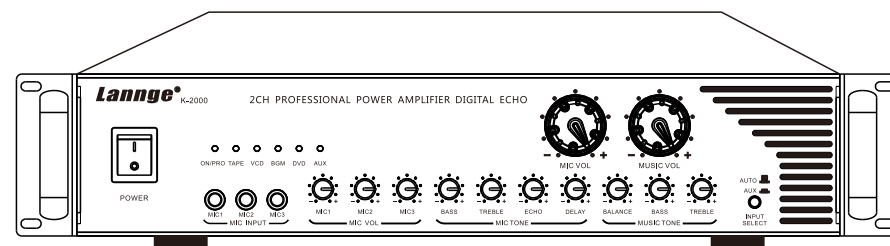


PROFESSIONAL KARAOKE AMPLIFIER

PROFESSIONAL KARAOKE AMPLIFIER

**Lanng**<sup>®</sup> MODEL: K-2000

## OPERATION MANUAL



Thank you for purchasing the product, in order to make better use of your product, please read this owner's manual carefully before using.

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**I、 BRIEF INTRODUCTION**

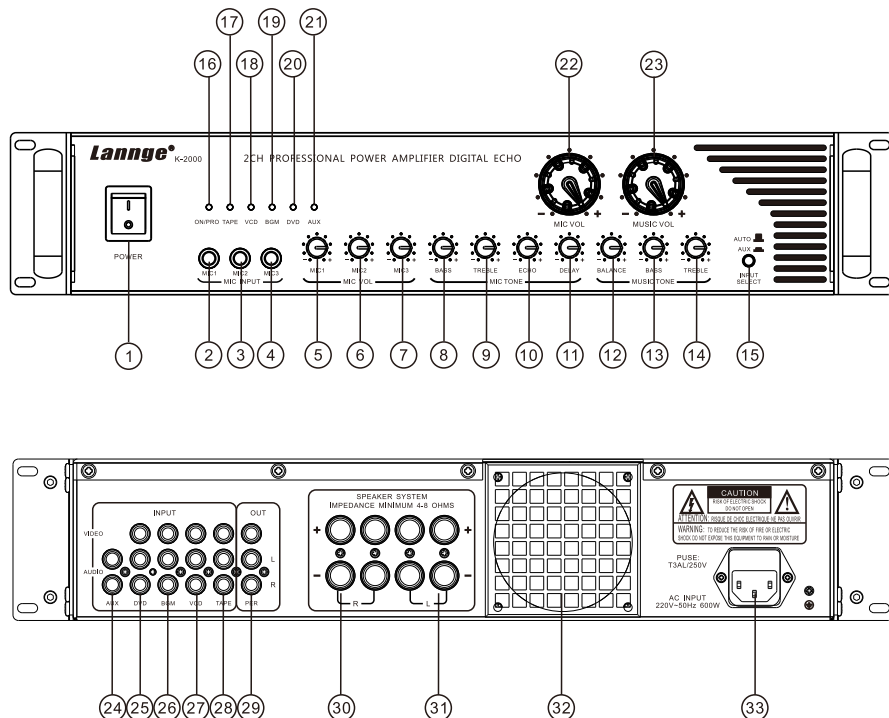
Thank you for purchasing the professional karaoke amplifier of our company. The product is designed by our professional experienced engineer with advanced idea. This item is one of our biggest sellers on the market because of its high quality, professional voice processing technique and competitive price.

The product is a professional karaoke amplifier. It is suitable for karaoke room, conference room, multifunctional theater and family entertainment etc. Beautiful sound---- driving bass, mellow alto and clear treble can be achieved through the product. Unique circuit design can change the gamut of voice, making singing easily.

**II、 MAIN FEATURES**

1. The high-quality amplifier adopts high-class digital delay dedicated reverberation chip ES56031, whose delay time can be maximized to be 200Ms. Operational amplifier adopts JRC4580 to achieve expressive voice. Three-MIC input. MIC 1 and MIC 2 are for dynamic microphones. MIC 3 is for condenser microphone. For more convenient use in different occasions, each MIC input volume can be adjusted independently or through one knob.
2. Four-way RAC input can be automatically and prior selected. Simple and mature circuit ensures perfect voice output. High and low tone can be adjusted in music output.
3. Independent MIC and music signal channel are for no interference in tone circuit.
4. Four-way audio input----TAPE, VCD, BGM, DVD and video can be automatically and prior selected to input. Audio and video signal of same equipment should be connected vertically. Its priorities are DVD, VCD, TAPE and BGM. AUX input, PRE audio and video output. PRE is audio and video signal that has been processed by processor. It can connect other audio equipment.
5. AUX input is not automatically and prior selected. It is suitable for high fidelity music.
6. Classic and mature amplifier circuit. Imported Toshiba power tube is used in output circuit. Each channel's undistorted power output is equal to 200W.
7. To ensure the audio system can be used safely, mature direct current, overheat, overcurrent, overload protection are equipped.
8. Startup and shutdown mute circuit protection can reduce interference and shock to speaker system.
8. Standard 2U nineteen inches size design is suitable for family theater, KTV rooms, stage and conference rooms etc places.

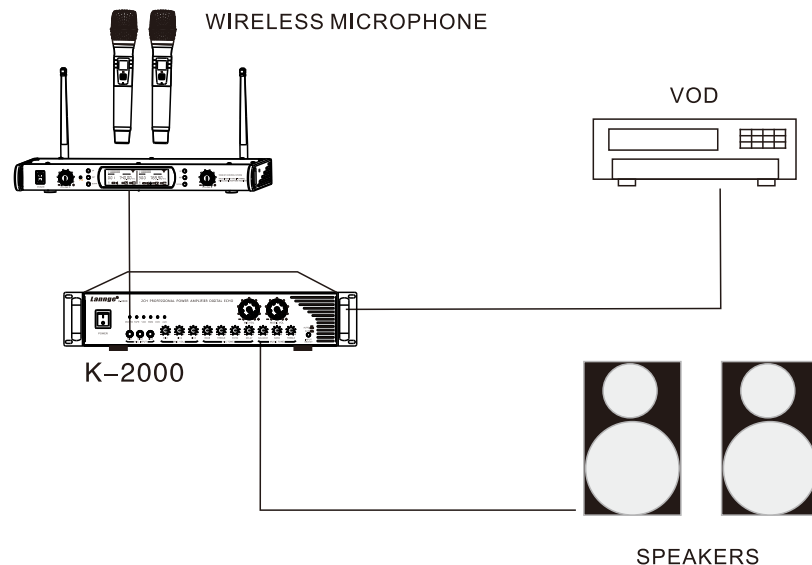
### III、COMPONENT NAMES



1. POWER: Power switch.
2. MIC1: Dynamic microphone input1 for dynamic wired or wireless microphone.
3. MIC2: Dynamic microphone input2 for dynamic wired or wireless microphone.
4. MIC3: Condenser microphone input3 for condenser wire or wireless microphone.
5. MIC1 VOL: MIC1 volume adjustment for MIC1 input.
6. MIC2 VOL: MIC2 volume adjustment for MIC2 input.
7. MIC3 VOL: MIC2 volume adjustment for MIC3 input.
8. MIC BASS: MIC bass adjustment for three microphones bass input.
9. MIC TREBLE: MIC treble adjustment for three microphones treble input.
10. ECHO: MIC echo adjustment for three microphones echo input.
11. DELAY: MIC delay adjustment for three microphones delay input.

12. MUSIC BALANCE: Music left and right channels balance adjustment for music input.
13. MUSIC BASS: Music bass adjustment for music bass input.
14. MUSIC TREBLE: Music treble adjustment for music treble input.
15. INPUT SELECT: Signal input switched button, DVD and AUX can be switched.
16. ON/PRO: signal light. Green light for ON and normal starting up. Red light for unnormal circuit.
17. TAPE: Red light for switching to TAPE input.
18. VCD: Red light for switching to VCD input.
19. BGM: Red light for switching to BGM input.
20. DVD: Red light for switching to DVD input.
21. AUX: Red light for switching to AUX input.
22. MIC VOL: MIC volume control knob for three-way MIC volume adjustment.
23. MUSIC VOL: Music volume control knob for music input volume adjustment.
24. AUX signal input interface.
25. DVD signal input interface for DVD video and audio input.
26. BGM signal input interface for BGM video and audio input.
27. VCD signal input interface for VCD video and audio input.
28. TAPE signal input interface for TAPE video and audio input.
29. PER audio and video signal output.
30. R for right channel audio output interface to connect right channel output speaker.
31. L for right channel audio output interface to connect left channel output speaker.
32. Cooling window.
33. Power line interface for connecting the power line equipped in the product.

#### IV、CONNECTTING



#### V、TECHNICAL SPECIFICATIONS

RMS:	8Ω/1KHz/0.5%THD 200W
THD+N:	20Hz-20KHz 0.5%
Frequency Response:	20Hz-20KHz±0.2dB
SNR:	>100dB
Input level / Impedance:	BGM VCD DVD TAPE AUX: 750mV RMS 47KΩ
	Moving coil MIC: 350mV RMS 10kΩ
	Capacitor MIC: 200mV RMS 100kΩ
	Video: 1V p-p RMS 75Ω
PER output level:	Audio: 750mV RMS 47 kΩ
Video:	Video: 1V p-p RMS 75Ω
Reverberation Delay Time:	200mS MAX
Supply voltage(V):	220V 10%
Power Supply(W):	600W MAX

#### VI、CAUTIONS

The company reserves the right to improve the product without prior notice. Pictures in this manual are for reference only, please take actual product as standard.

	<p>Inside the triangle, the flash is to warn user that the equipment has danger voltage inside, please ensure the equipment connect the ground wire and operate carefully during using.</p> <p>The exclamation mark is important operation, to remind user to completely follow this manual when using the equipment.</p>
	<p>The equipment uses high voltage component. In order to avoid electric shock, please do not open it to check or modify. If the equipment performance degrades or burned due to the user's modification or misuse, it is not covered by product quality warranty.</p> <p>Please keep the environment be ventilated, the vent should not be covered by sundries such as newspapers, tablecloths or curtains. If machine cabinet installation, please keep the distance of at least 10 cm between each vent.</p>
	<p>When plugging in the power cord or unplugging, please do not touch metal contacts. Do not touch power line when your hand is wet. Do not put the power line under the equipment and furniture. Do not bind the power line to others. Keep the power line away from the place where people often walk.</p>
	<p>If any noise or peculiar smell found when using the machine, please turn the power off immediately and unplug the power line. Do not open it. Please contact AGENCY or OMC for maintenance. When the maintainer maintains the product, internal electronic components of the products can only use the ones of same specifications for replacement.</p>
	<p>Do not put the metal objects such as iron nail or coins into the product from the vent or other opening, which will cause electric shock and fire. Please do not expose the machine to the rain or damp places. Do not put the vase or fish bowl etc on it. If any water or a foreign matter accidentally gets into the machine, please contact OMC or AGENCY for maintenance.</p>
	<p>To prevent fire accident, please turn off the power and unplug the power line when not using the equipment for long time.</p>