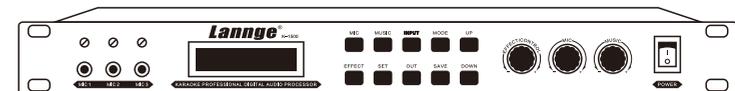


Lannge[®]

Lannge[®] MODEL: K-1500

OPERATION MANUAL



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

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1. BRIEF INTRODUCTION

K-1500, Lannge's professional digital audio processor, is developed with the newest high-performance DSP. Equipped with the adjustment of multipath Reverb, Echo, EQ, Time Delay. Customers can use K-1500 conveniently in different complicated occasion with its friendly simple display, flexible debugging and 100 groups of effect storage.

K-1500 is the treasure of Lannge's development team. Circuit with height optimization led to excellent sound and reliable stability working condition, to relax your ear and release your heart.

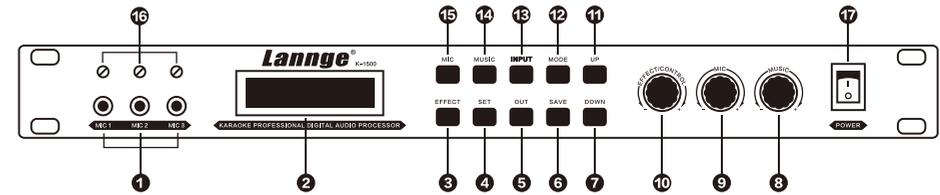
K-1500 is small, light and its 1U size is very easy to be installed in standard audio equipment cabinet, so that it can be widely used in professional entertainment venues, such as middle and high-class performance halls, KTV etc., and some family karaoke. Your voice will sound fantastic when it goes through K-1500. Thank you for your choice and trust on Lannge's products, hope that you will enjoy using it.

2. MAIN FEATURES

- 2-way music input ports, 6-channel output;
- 3 band microphone equalizer;
- Built-in L / R separately adjustable 3-band music equalizer;
- 3 kinds of effect modes can be chosen: Echo + reverb, echo only, reverb only;
- ECHO:
 1. Total pre-echo delay adjustable range: 50 to 250ms;
 2. Echo direct volume level adjustable range: 0 to 20 degrees ;
 3. Echo repeat adjustable range: 0 to 20 degrees ;
- REVERB:
 1. Reverb level adjustable range: 0 to 20 degrees ;
 2. Pre-reverb delay adjustable range: 10-210ms;
 3. Reverb time adjustable range: 200-4200ms ;
- Volume of each output channel can be controlled separately ;
- 100 groups of effect storage, you can freely choose your favorite effect mode;
- 2 × 16 characters LCD display screen.

3. COMPONENT NAMES

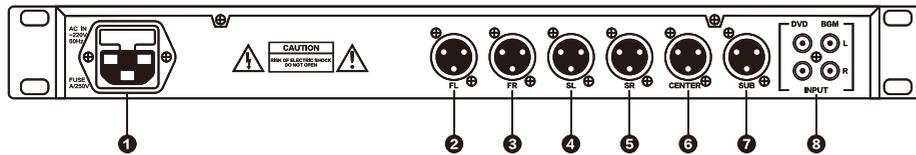
I. FRONT PANEL



- (1).MIC INPUT: 3-way MIC input ports.
- (2).LCD DISPLAY SCREEN: All work status of the product can be showed.
- (3).EFFECT: Effect mode switch button, press the button to get to the next menu, used with CONTROL knob to adjust parameters.
ECHO:
 - 1). Total pre-echo delay adjustable range: 50 to 250ms.
 - 2). Echo direct volume level adjustable range: 0 to 20 degrees.
 - 3). Echo repeat adjustable range: 0 to 20 degrees.
 REVERB:
 - 1). Reverb level adjustable range: 0 to 20 degrees.
 - 2). Pre-reverb delay adjustable range: 10-210ms.
 - 3).Reverb time adjustable range: 200-4200ms.
- (4).SET: Effect mode selection button. After entering the selection mode, used with the CONTROL knob to choose effect mode: echo only, rev only, echo + rev.
- (5).OUT: Output button. Volume adjusting of 6 output channels, press the button to get to the next menu, used with CONTROL knob to adjust parameters.
- (6).SAVE: Storage Key. After adjusting the effect, used with the UP/DOOW button to choose the group number (1-100 can be chosen), and then press the button 3 seconds to confirm.
- (7).DOWN: Down key (to choose the next group).
- (8).MUSIC: Music volume knob. By turning the knob, the volume of the music will be increased or decreased, or the system will return to the main menu.
- (9).MIC: MIC volume knob. By turning the knob, the volume of the mic will be increased or decreased, or the system will return to the main menu.
- (10).EFFECT/CONTROL: Effect volume and control knob. By turning the knob, the volume of effect will be increased or decreased when the system on main menu, or it can be used to adjust the parameters of the others mode.

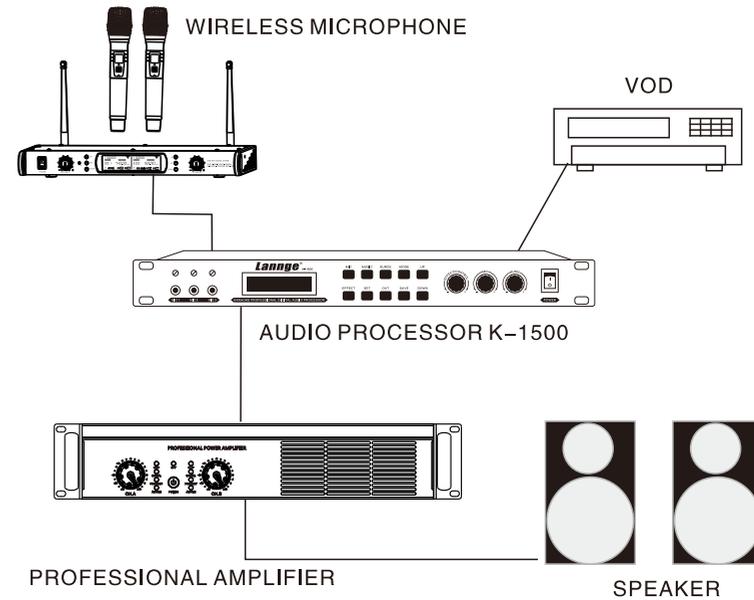
- (11).UP: Up key (to choose the last group).
- (12).MODE: Load key. The effect mode can be loaded when press MODE and use with UP/DOWN button.
- (13).INPUT: Input selection button. Press INPUT button, and then used with CONTROL knob to choose BGM or DVD.
- (14).MUSIC: Music EQ adjustment button, press the button to switch to the next menu, used with CONTROL knob to adjust the gain of treble, alto, bass of R or L channel.
- (15).MIC: MIC EQ adjustment button, press the button to switch to the next menu, used with CONTROL knob to adjust the gain of treble, alto, bass of microphone.
- (16).MIC volume can be adjusted separately.
- (17).POWER: Power switch.

II. REAR PANEL:

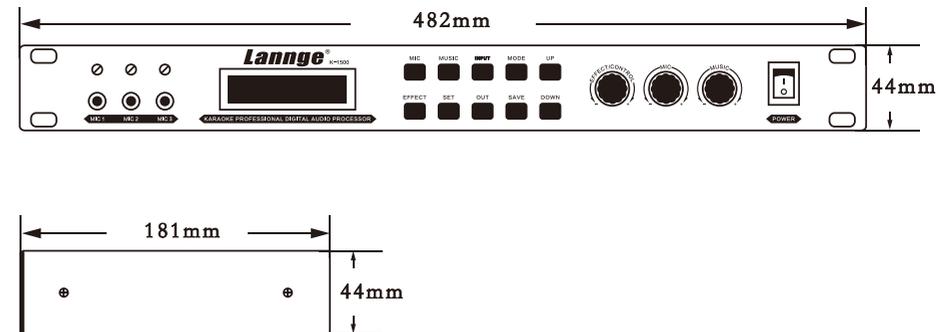


- (1).AC INPUT 220V 50Hz: AC power input.
- (2).FL OUTPUT: Front left output.
- (3).FR OUTPUT: Front right output.
- (4).SL OUTPUT: Surround left output.
- (5).SR OUTPUT: Surround right output.
- (6).CENTER OUTPUT.
- (7).SUB OUTPUT.
- (8).INPUT: 2-way music input (BGM/DVD).

4. CONNECTING INSTRUCTION



5. PRODUCT INSTALLATION DIMENSIONS



6. TECHNICAL SPECIFICATIONS

SNR:	>80dB
THD+N:	MIC<0.1% / MUSIC<0.05%
Max input level:	4V RMS
Max output level:	4V RMS
Music channel gain:	12dB
Mic sensitivity:	64mV(out:4V)
Dynamic range:	MIC>80dB / MUSIC>110dB
Supply voltage:	AC220V / 50Hz ± 10%

7. CAUTIONS

Our 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>Marks of FLASH inside the triangle means to warn the user that the product will be with danger voltage inside, so please ensure it is connected with the ground wire and operate it carefully. Marks of EXCLAMATION inside the triangle means to remind the user to completely follow this manual when operating the product.</p>
	<p>The product contains high voltage components. To avoid electric shock, do not take it apart to check or refit. If the equipment performance degrades or burned due to the user's refit or misuse, it is not covered by product quality warranty. Please keeps the product working in ventilative environment. The vent should not be covered by sundries. If it is installed in cabinet, please keep the distance at least 10cm between each vent.</p>
	<p>Do not touch the metal contacts when plugging or unplugging the power line. Do not touch the power line with wet hands. Do not put the power line under the product or furniture. Do not bind the power line with others. Keep the power line away from where people often walk by.</p>
	<p>To avoid electric shock or fire, do not put the metal objects such as iron nail or coin etc. into the product from the vent or the others opening. Do not expose the product to the rain or damp places, do not put the vase or fish bowl etc. on it. Please contact AGENCY or After-Sale Service Center for maintenance if any water or a foreign matter accidentally gets into the product.</p>
	<p>If any noise or peculiar smell is found when using the product, please turn the power off immediately and unplug the power line. Do not take it apart. Please contact AGENCY or After-Sale Service Center for maintenance.</p>
	<p>To avoid fire accident, please turn off the power and unplug the power line when not using the product for long time.</p>