



# — USER'S MANUAL —

## Active listening speaker



  
CERTIFICATION

Model
QA
Date



Guangzhou Ruifeng Audio Technology Co.Ltd  
CUSTOMER SERVICE HOTLINE:400-707-6800

Tel: 86-20 39280288

Fax: 86-20 39280238

Website: //www.lax-pro.com

Address: NO.10 Shilou Section, Shilian Road,  
Shilou Town,Panyu District,  
Guangzhou City,China 511447



If there are changes in technical parameters, please forgive me for not giving notice

LAX C.V. products which produced by RUIFENG Corporation(RUIFENG in brief) are ensured with highquality by strict quality inspection and control before delivery.our will provide warranty according terms mentioned in this warranty card. The warranty is void if warranty card or purchasing invoice is missed.The service is suggested to start by calling our service No.:400-707-680 in advance.

- 一、This warranty is valid within one year form date of sale (except some occasions specially mentioned as below),and covers for manufacturing defects and all matters concerning the workmanship of LAX&C.V. products。
- 二、Warranty period for particular item。
  - 1、 offering one month free change service and one year warranty for amplifiers,mixers or processors.
  - 2、 Offering three months warranty for which categorized as spare parts:
    - 1.)The voice coil and diaphragm of microphone.
    - 2.)The voice coil and diaphragm of speaker.
- C、 RUIFENG willnot be responsible for any warranty if/for:
  - 1、 Non-this company proxy product; 2、 Fake products;
  - 3、 Products without intact number or serial number is changed,deleted or transferred or has not been recorded in the company s record。
- D、 Thewarranty becomes void if product problems result from;
  - 1、 improper operation and misuse(overloading or bumed with feedback);
  - 2、 Careless moving.
  - 3、 Terrible conditions(over-higt input voltage and humidity)
  - 4、 Irresistible situation such as STORMor EARTH QUAKE...etc;
  - 5、 repaired or restructured by unofficial technicians outside RUIFENG ;
  - 6、 Failure assemble/installation from the instructions of manufacturer。
- E、 The warranty applies only on the cost of repair or replacement and does not include the relevant freight charges。
- F、 RUIFENG is not responsible for the loss caused by equipment or component damaging。
- G、 RUIFENG charges reasonably if warranty period expired。
- H、 The warranty card is subject to change without prior notice。

Purchaser Name:	Manufacturer:

Dealer Name:	Dealer Address:
	City      State      ZIP

Purchase Date:	Model:	Serial No.:	Invoice No.:
(d) (m) (y)			



### 9. Hearing loss

Exposure to high sound levels can cause permanent hearing loss. The acoustic pressure level that leads to hearing loss is different from person to person and depends on the duration of exposure. To prevent potentially dangerous exposure to high levels should use adequate protection devices. When a transducer capable of producing high sound levels is being used, it is therefore necessary to wear ear plugs or protective earphones. See the manual technical specifications to know the maximum sound pressure level.

## IMPORTANT NOTES

To prevent the occurrence of noise on line signal cables, use screened cables only and avoid putting them close to:

- Equipment that produces high-intensity electromagnetic fields.
- Power cables.
- Loudspeakers lines.
- Place this product far from any heat sources and always ensure an adequate air circulation around it.
- Do not overload this product for a long time.
- Never force the control elements (keys, knobs, etc.).
- Do not use solvents, alcohol, benzene or other volatile substance for cleaning the external parts of this product.

## 7 SERVICE

This unit has very sophisticated circuitry and should only be serviced by a fully trained technician. This is why each unit bears the following label:



**To prevent electric shock, do not remove covers. No user serviceable parts inside. Refer servicing to a qualified technician.**

### 7.1 Worldwide service

Service may be obtained from your local authorized service center. To obtain service, simply present your sales receipt as proof of purchase along with the defective unit to an authorized service center. They will handle the necessary paperwork and repair. Remember to transport your unit in the original factory packaging.

1. When sending a LAX product to the authorized service center for service, be sure to fill out the service information form that is enclosed at the end of this manual and include it inside your unit's shipping pack. Do not send the service information form separately.
2. To ensure the safe transportation of your unit to the authorized service center, ship it in an original factory-packing container.
3. Do not ship the unit in any kind of rack. Ignoring this warning may result in extensive damage to the unit and the equipment rack. Accessories are not needed. Do not send the instruction manual, cables and any other hardware.

## WARRANTY

### THE WARRANTY

For a period of one (1) years from the date of delivery to the original purchaser (as shown on the original invoice or sales receipt), LAX INTERNATIONAL GROUP LIMITED of No.114 Yushan Rd,Panyu,Guangdong province,P.R.China (hereinafter"L. X") warrants to the ORIGINAL OWNER of each new LAX SERIES product (provided it was purchased at authorized LAX Dealer) that it is free of defects in materials and workmanship and that each product will meet or exceed A all factory published specifications for each respective model. LAX agrees to repair or replace (at its discretion) all defective parts at no charge for labor or materials; subject to following provisions:

### WARRANTY VIOLATIONS

LAX shall take no responsibility for repair or replacement as specified under this warranty, if the damaged product has been subject to misuse, accident, neglect or failure to comply with normal maintenance procedures; or if the serial number has been defaced, altered or removed. Nor will LAX accept responsibility for, or resulting from, improper alterations or unauthorized parts or repairs. This warranty does not cover any damage to speakers or any other consequential damage resulting from breach of any written or implied warranty.

### LAX WARRANTY PROVISIONS

LAX will remedy any defect, regardless of the reason for failure (except as excluded ) by repair, or replacement. LAX will remedy the defect and ship the product within a reasonable time after receipt of the defective product at an LAX Authorized Service Center.

### TO OBTAIN WARRANTY SERVICE

In the event that an LAX product requires service, the Owner must contact LAX or an Authorized LAX Service Center to receive an R.A.N. ( Return Authorization Number) and instructions on how to return the product to the LAX Authorized Service Center, or to the factory. LAX (or its Authorized Service Center) will initiate corrective repairs upon receipt of the returned product. Please save original carton and all the packing materials in case shipping is required. All products being returned to the factory or service center for repairs must be shipped pre-paid.

If the repairs made by LAX or the LAX Authorized Service Center are not satisfactory, Owner is instructed to give written notice to LAX. If the defect or malfunction remains after a reasonable amount of attempts by LAX to remedy the defect or malfunction, the Owner shall then have the option to elect either a refund or replacement of said LAX product free of charge. The refund shall be an amount equal to but not greater than the actual purchase price, not including any taxes, interest, insurance, closing costs and other finance charges (minus reasonable depreciation on the product) . If a refund is necessary, the Owner must make the defective or malfunctioning product available to LAX free and clear of all liens or other restrictions.

### MODIFICATIONS OF EQUIPMENT

LAX reserves the right to modify or change equipment (in whole or part) at any time prior to delivery thereof, in order to include therein electrical or mechanical improvements deemed appropriate by LAX ; but without incurring any liability to modify or change any equipment previously delivered, or to supply new equipment in accordance with any earlier specific specifications.

### DISCLAIMER OF CONSEQUENTIAL AND INCIDENTAL DAMAGES

YOU, THE OWNER, ARE NOT ENTITLED TO RECOVER FROM LAX ANY INCIDENTAL DAMAGES RESULTING FROM ANY DEFECT IN THE LAX PRODUCT. THIS INCLUDES ANY DAMAGE TO ANOTHER PRODUCT OR PRODUCT RESULTING FROM SUCH A DEFECT.

### WARRANTY ALTERATIONS

No person has the authority to enlarge, amend, or modify this Warranty. This Warranty is not extended by the length of time which the Owner is deprived of the use of product. Repairs and replacement parts provided pursuant to the Warranty shall carry only the non-expired portion of the Warranty.

**THIS STATEMENT OF WARRANTY SUPERSEDES ALL OTHERS CONTAINED IN THIS MANUAL**

## Safety Precautions

1.All the precautions, in particular the safety ones, must be read with special attention, as they provide important information.

**WARNING:** To prevent the risk of fire or electric shock, never expose this product to rain or humidity.

### 2.POWER SUPPLY FROM MAINS

- The mains voltage is sufficiently high to involve a risk of electrocution; install and connect this product before plugging in.
- Before powering up, make sure that all the connections have been made correctly and the voltage of your mains corresponds to the voltage shown on the rating plate on the unit, if not, please contact our RAR dealer.
- This unit is CLASS I construction, so it must be connected to a MAIN socket outlet with a protective earthing connection.
- Protect the power cable from damage; make sure it is positioned in a way that it cannot be stepped on or crushed by objects.
- To prevent the risk of electric shock, never open this product; there are no parts inside that the user needs to access.

3.Make sure that no objects or liquids can get into this product, as this may cause a short circuit.

This apparatus shall not be exposed to dripping or splashing. No objects filled with liquid, such as vases, shall be placed on this apparatus. No naked sources (such as lighted candles) should be placed on this apparatus.

4.Never attempt to carry out any operations, modifications or repairs that are not expressly described in this manual.

Contact your authorized service centre or qualified personnel should any of the following occur:

- The product does not function (or functions in an anomalous way).
- The power cable has been damaged.
- Objects or liquids have got in the unit.
- The product has been subject to a heavy impact.

5.If this product is not used for a long period, disconnect the power cable.

6.If this product begins emitting any strange odours or smoke, switch it off immediately and disconnect the power cable.

7.Do not connect this product to any equipment or accessories not foreseen.

For suspended installation, only use the dedicated anchoring points and do not try to hang this product by using elements that are unsuitable or not specific for this purpose. Also check the suitability of the support surface to which the product is anchored (wall, ceiling, structures, etc.), and the components used for attachment (screw anchors, screws, brackets not supplied by LAX etc.), which must guarantee the security of the system / installation over time, also considering, for example, the mechanical vibrations normally generated by transducers.

8.There are numerous mechanical and electrical factors to be considered when installing a professional audio system(in addition to those which are strictly acoustic, such as sound pressure, angles of coverage, frequency response, etc.)



**BEFORE CONNECTING THE SPEAKERS**

On the back panel you will find all the controls, the signal and current inputs.

At first verify that the voltage selector on the speakers is in proper position for your country (115V or 230V).

The switch shall be in proper position (unless moved from unauthorized people), but a fast check will avoid problems. In case is necessary to change the voltage please call your vendor or authorized LAX SERVICE CENTRE. This operation require the substitution of the fuse value and is reserved to an LAX SERVICE CENTRE.

**BEFORE TURNING ON THE SPEAKERS**

At this point you can connect the power supply cable and the signal cable, but before turning on the speakers make sure that the volume control is at the minimum level (even on the mixer output). It is important that the mixer is already ON before turning on the speakers. This will avoid damage to the speakers and noisy "bumps" due to turning on parts on the audio chain. It is a good practice to always turn on speakers at last and turn them off immediately after the show.

Now you can turn ON the speakers and adjust the volume control to a proper level, enjoy.

**IMPORTANT  
THE PRODUCT REQUIRES  
CLASS 2 OUTPUT WIRING.**



**CAUTION**



To Prevent Electric Shock, Do Not Remove Top Or Bottom Covers. No User Serviceable Parts Inside. Refer Servicing To Qualified Service Personnel. Disconnect Power Cord Before Removing Rear Panel Cover To Access Gainswitch.

Shock Hazard - Do Not Enter  
Choc Hasard - N\*entrent  
Schocke Hazard - Test Nicht  
Betrete  
Urto Hazard - Do Non Entrano



**WARNING  
TO REDUCE THE RISK OF ELECTRIC  
SHOCK, DO NOT EXPOSE THIS  
EQUIPMENT TO RAIN OR MOISTURE!**

Magnetic Field

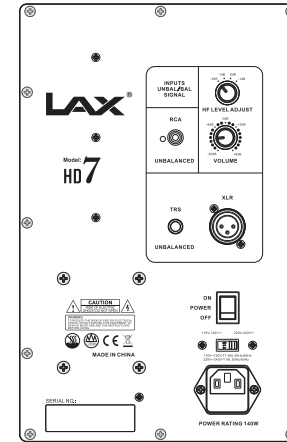
**CAUTION:** Do not locate sensitive high-gain equipment such as preamplifiers or tape decks directly above or below this unit. Because this amplifier has a high power density, it has a strong magnetic field which can induce hum into unshielded devices that are located nearby. This field is strongest just above and below the unit. If an equipment rack is used, we recommend locating the amplifier(s) at the bottom of the rack and the preamplifier or other sensitive equipment at the top.

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

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

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MODEL	HD 5	HD 7
<b>ACOUSTICAL</b>		
Frequency Response	55Hz-20KHz	50Hz-20KHz
Max SPL	106dB	108dB
Horizontal coverage angle	110°	110°
Vertical coverage angle	70°	110°
Tweeter	1"Neodymium, 25mm voice coil	1"Neodymium, 25mm voice coil
Woofer:	5"	6.5"
<b>INPUT</b>		
Input signal impedance	4K Ohms	4K Ohms
Input connectors	XLR, JACK, RAC	XLR, JACK, RAC
Input sensitivity	-2 dBU	-2 dBU
<b>AMPLIFIER</b>		
Total power	75W (RMS)	110W (RMS)
High frequencies	50W (RMS)	80W (RMS)
Low frequencies	25W (RMS)	30W (RMS)
Connections	VDE	VDE
<b>PROCESSOR</b>		
Crossover frequencies	2100Hz	1900Hz
Sensitivity control	-2,-1,0, +1 dB	-2,-1,0, +1 dB
Limiter	Soft limiter	Soft limiter
Controls	HF adjust	HF adjust
<b>PHYSICAL SPECIFICATIONS</b>		
Dimensions (w,h,d)	186x277x261mm	225x321x272mm
Net Weight	6.7KG	9.1KG
Color	black / white	black / white



- 1.The system accept TRS, XLR (BAL/UNBAL) input connectors. These balanced inputs can be used to connect balanced or unbalanced audio sources at line level.
- 2.The system accept RCA input connectors. These unbalanced input can be connect unbalanced audio sources at line level.
- 3.VOLUME. Adjust the amplifier volume.
- 4.HF LEVEL ADJUST. This switch adjust the high frequency amplifier gain. Use this control to match perfectly the HD curve response to each specific room acoustic.
- 5.AC POWER SOCKET. AC Socket to connect the speakers to AC power supply.
- 6.POWER ON OFF SWITCH. The power switch turns the AC power ON and OFF.

The XLR connectors use the following AES standard:

