

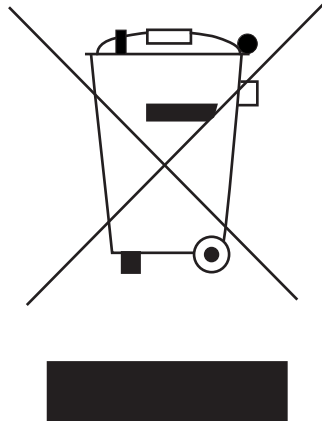


INSTRUCTIONS

CA-1/PA-1

Pre-Amplifier / Power Amplifier

Attention: Your product is marked with this symbol.



It means that used electrical and electronic products should not be mixed with general household waste. There is a separate collection system for these products.

A. Information on Disposal for Users (private household).

1. In the European Union

Attention: If You want to dispose of this equipment, please do not use the ordinary dust bin.

Used electrical and electronic equipment must be treated separately and In accordance with legislation that requires proper treatment, recovery and recycling of used electrical and electronic equipment.

Following the implementation by member states, private household within the EU states may return their used electrical and electronic equipment to designated collection facilities free of charge*. In some countries* your local retailer may also take back your local authority for further details.

If you used electrical or electronic equipment has batteries or accumulators, please dispose of these separately beforehand according to local requirements.

By disposing of this product you will help ensure that waste undergoes the necessary treatment, recovery and recycling and thus prevent potential negative effects on the environment and human health which could otherwise arise due to inappropriate waste handling.

2. In the other Countries outside EU

If you wish to discard this product, please contact your local authorities and ask for the correct method of disposal.

For Switzerland: Used electrical or electronic equipment can be returned free of charge to dealer, even if you don't purchase a new product. Further collection facilities are listed on the homepage of www.swico.ch or www.sens.ch.

B. Information on Disposal of Business Users

1. In the European Union

If the product is used for business and you want to discard it:

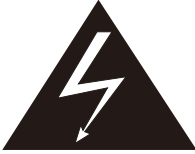
Please contact local dealer who will inform you about the take-back of the product. You might be charged for the costs arising from take-back and recycling. Small products (and small amounts) might be taken back by your local collection facilities.

2. In the other Countries outside the EU

If you wish to discard of this product, please contact your local authorities and ask for the correct method of disposal.


Important Safety Instructions

WARNING: TO REDUCE THE RISK OF FIRE OR ELECTRIC SHOCK, DO NOT EXPOSE THIS APPLIANCE TO RAIN OR MOISTURE.



CAUTION

RISK OF ELECTRIC SHOCK
DO NOT OPEN



CAUTION: TO REDUCE THE RISK OF ELECTRICAL SHOCK, DO NOT REMOVE COVER. NO USER-SERVICEABLE PARTS INSIDE. REFER SERVICING TO QUALIFIED PERSONNEL.



The lightning flash with arrowhead symbol, within an equilateral triangle, is intended to alert the user to the presence of uninsulated "dangerous voltage" within the product's enclosure that may be of sufficient magnitude to constitute a risk of electric shock to persons.



The exclamation point within an equilateral triangle is intended to alert the user to the presence of important operating and maintenance (servicing) instructions in the literature accompanying the appliance.



Marking by the "CE" symbol (shown left) indicates compliance of this device with the EMS (Electromagnetic Compatibility) and LVD (low voltage directive) standards of the European Community .

CAUTION: Changes or modifications to this equipment not expressly approved by the manufacturer could void the users authority to operate the equipment .

The information contained in the manual is subject to change without notice.

Please do not tear or remove any sticker on this component by yourself otherwise it may influence user enjoy the after-sale service.

Important Safety Instructions

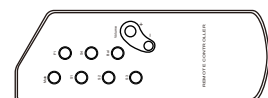
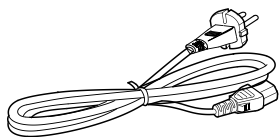
Please read all instructions and precautions carefully and completely before operating your CA-1 preamplifier and PA-1 mono block power amplifier.

1. Read these instructions.
2. Keep these instructions.
3. Heed all warnings.
4. Follow all instructions.
5. Do not use this apparatus near water.
6. Clean only with dry cloth.
7. Always keep this unit out of the reach of children.
8. Do not install this product near any heat sources such as radiators, heat registers, stoves, or other apparatus (including amplifiers) that produce heat.
9. Protect the power cord from being walked on or pinched particularly at plugs, convenience receptacles, and the point where they exit from the apparatus.
10. Unplug this apparatus during lightning storms or on the condition of long-time non-using.
11. Always disconnect your entire system from the AC mains before connecting or disconnecting any cable, or when cleaning any component.
12. This product must be terminated with a three conductor AC mains power cord which includes an earth ground connection, to prevent it from shock hazard, all three connections must always be used.
13. AC extension cords are not recommended to use on this product.
14. Never use flammable or combustible chemicals for cleaning audio components.
15. Never operate this product with any cover removed.
16. Never pour or spill liquids directly onto this unit.
17. Never block air flow through ventilation slots or heat sinks.
18. Keep the fuse out of short circuit.
19. Never take replacement of fuse with non-specified values.
20. Never attempt to repair this product, if a problem occurs, contact your dealer.
21. Never expose this product to extremely high or low temperatures.
22. Never operate this product in an explosive atmosphere.

Before Use

Unpack your CA-1 or PA-1 and keep all packing materials for future transport or service, locate and remove all accessory items from the accessory box within the shipping carton.

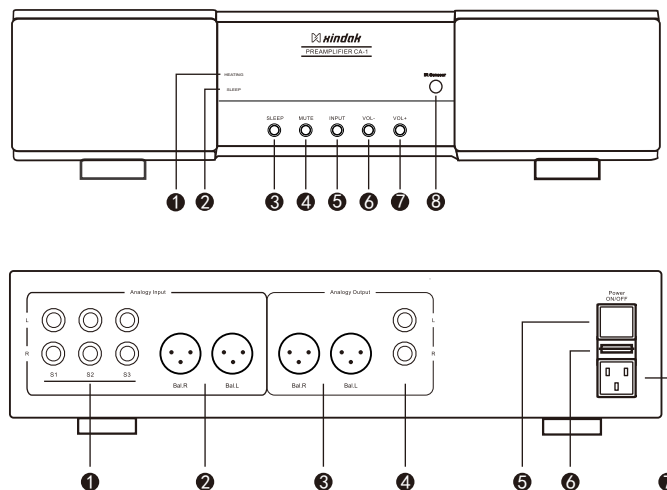
Accessories Included:



1. One piece of AC power cord
2. One piece of user manual (This manual)
3. One piece of remote controller

Products Information

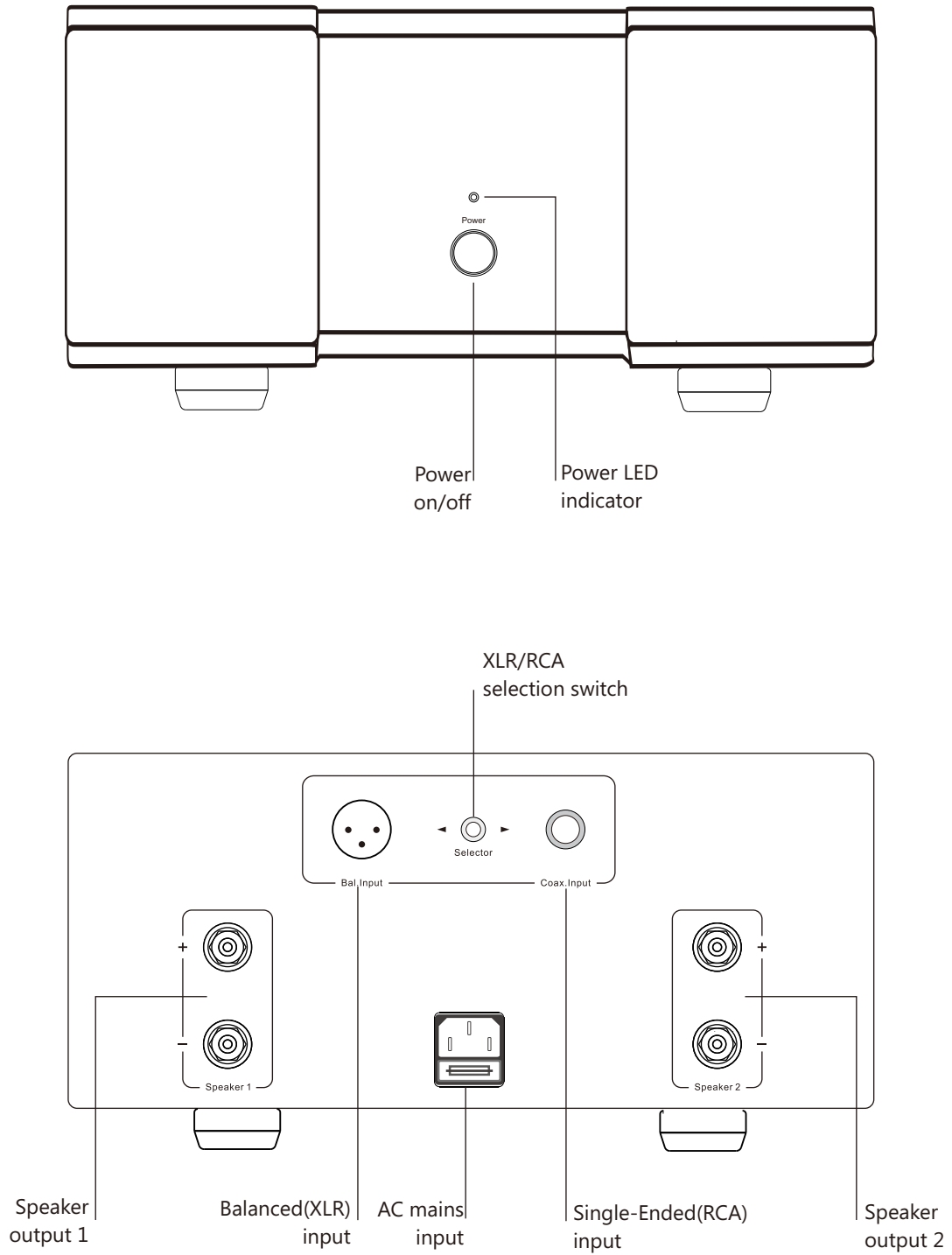
Sketch Map on CA-1 Front & Rear Panel



- ① Warm-up Indicator**
The indicator will be lighted when the main power gets through, then automatically shut off after 60 seconds or so.
 - ② Sleep Indicator**
After the power gets through and power on by the power switch on the rear panel, this indicator will be light, which indicates this product enter into sleep state. After press the sleep button to power on the system main power, this indicator will be dead.
 - ③ Sleep Button**
Press this button, the main system power will be on; press again, the main system power will be off and enter to sleep state.
 - ④ Mute Button**
Press the button during work state, the preamplifier will be in mute mode. Press it again, the product will be released from mute.
 - ⑤ Input Button**
The Input channel will be selected circularly from S1-S2-S3-Bal in order, while press the button once in work state.
 - ⑥ VOL+ Button**
Press the button, increase the volume; persist on pressing, the volume will be increased continually.
 - ⑦ VOL- Button**
Press the button, decrease the volume; persist on pressing, the volume will be decreased continually.
 - ⑧ Remote Signal Receiving Window**
Implement the remote control function by aiming the remote controller to this window while operation.
- ① Signal Input Terminal**
RCA terminals are used for signal input.
 - ② Balance Signal Input Terminal**
The signal is input by balance interconnect cable.
 - ③ Balance Output Terminal**
For connecting with balance input terminal of power amplifier by balanced interconnect cable.
 - ④ RCA Output Terminal**
For connecting the RCA input terminals on power amplifier by interconnect cable.
 - ⑤ Power Button**
For powering on and powering off the product.
 - ⑥ Fuse Socket**
Fuse socket is used for insert the fuse of the device.
 - ⑦ Alternating Current Input Socket**
Connect this socket with wall outlet by the attached power cord.

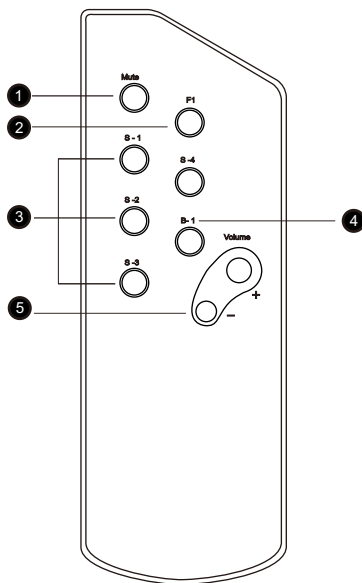
Appearance

Front & Rear Panel of PA-1



Remote Control Unit

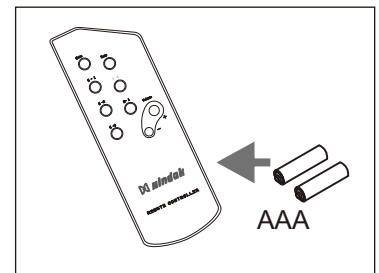
Operation and maintenance for remote control



- ❶ Mute Button
- ❷ F1 Sleep Button
- ❸ Input Switch Button
- ❹ Balance Input Switch Button
- ❺ Volume Control Button

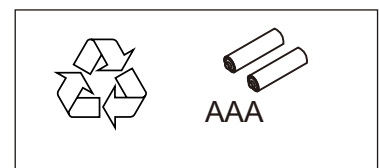
Install Batteries

1. Use the tool remove the rear cover of the remote control unit.
2. Install the 2 batteries (AAA) with correct +/- polarity.
3. Reinstall the rear cover of the remote control unit.



Battery Replacement

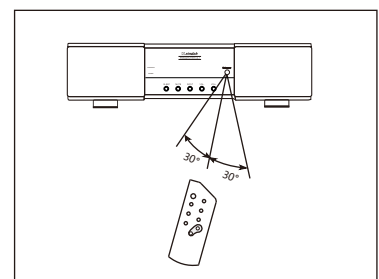
1. Install batteries observing the correct polarity,(+) and (-).
2. Do not use new and old batteries simultaneously.
3. Batteries with similar shapes may have different rated voltages Be sure to use the correct batteries.
4. Remove batteries from the remote control unit if it will not be used for a long period of time.



Using Remote Controller

If you use the remote control unit to control the amplifier:

1. The remote control range is approximately 5 meters.
2. Pointing the remote control on an angle to the receiver, will shorten the useful distance of the remote control.



**Incorrect use of batteries can cause corrosion or damage.
The lower temperature, the shorter battery life.**

How To Use

Operation Guide

CA-1 Protection Function

This product has complete anti-impact function, including delayed protection on power on, shut off protection, which can ensure no abnormal impulse current output.

CA-1 Operating Process

1. Check the connections between this product and related devices before power on.
2. Power on the product by press the power button, after the connections are confirmed to be connected well. The sleep indicator will be lighted to indicate the preamplifier enter into sleep state.
3. Start the preamplifier by press sleep button by hand or F1 button on remote controller. The product will be shifted between work state and sleep state automatically after each press. The sleep indicator will be dead after the pre-amplifier enter into work state. The pre-amplifier will enter into the count down period for 60s while the sleep indicator is off and the warm-up indicator is light. During this warm-up stage, except press the sleep button or F1 button, all other operation are invalid. After the count down period for delay, the pre-amplifier will be automatically interconnected with the signal input channel which is recorded in memory and keep the volume value in memory when shut off last time.

The volume will be automatically adjusted to volume 30 if it is over volume 75 before last time shut off.

4. After warm up, you can implement all controls by hand or remote controller. You can select the input channel, and set the sound source in play mode, turn on the volume level slowly. Then, you can enjoy the music.
5. When shut off the audio system, please power off the power-amplifier at first, and then power off this preamplifier itself. Caution: Must cut off the power for non-play for long-time.

PA-1 Protection Function:

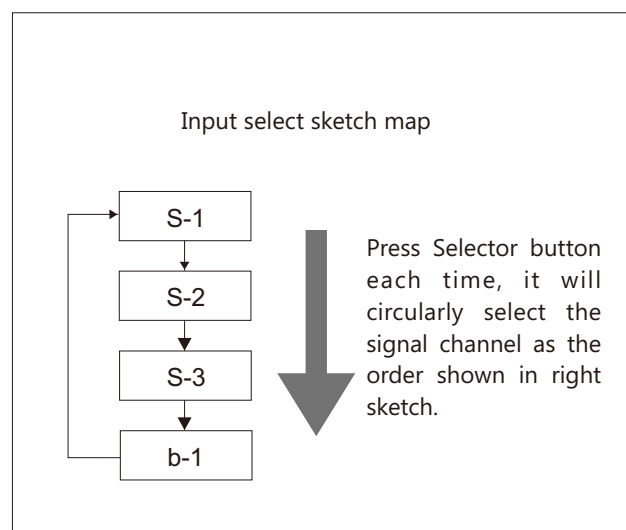
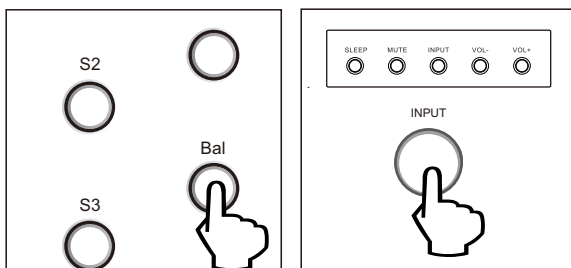
This product has complete anti-impact function, including delayed protection on power on, shut off protection, which can ensure no abnormal impulse current output.

PA-1 Processing:

1. Ensure the connections between this power amplifier and relevant devices are correct before power on;
- 2 Power on only if the cables are confirmed to be connected well, the indicator glitters to indicate the machine enters into the warm up status. After about 8 seconds, the power amplifier enters into working state, then you can play the music.
3. When shut off the audio system, please power off the power amplifier at first, and then power off the preamplifier.

Input signal select

There are two select models for signal: one is directly select signal source by remote control and the other one is select by Selector button on panel. When select in the second models, press Selector button each time, it will circularly select the signal channel as the order shown in right sketch.



How To Use

CA-1 FQA

In order to help user operate this amplifier more convenient, following is some frequently asked questions during the operation. If you want more information, please visit our web site www.xindak.com or send e-mail to info@xindak.com.

Problem	Possible Cause	Trouble-shootings
The amplifier is not electrified	Power connector not plug well	Plug the power connector again.
	Fuse has fused	Change the fuse coincide with the prompt requirement.
Speaker no sound	Sound source turned off	Turn on the sound source.
	Signal cable is broken	Check and change signal cable.
	Speaker cable is broken	Check and change speaker cable.
	Signal selector switch wrong	Tune input selection button according to sound source.
Noise too big	Root noise of sound source too big	Change a higher SNR sound.
	Signal shielding effect badly	Change eligible signal cable
Left and right channel confused	Signal source input phase opposed	Connect according to the indication of left and right channel.
	Speaker wire to channels has exchanged or positive negative reversed	
Indicator always glitters	There is problem on preamplifier, Loudspeaker cable or loudspeaker	Check the preamplifier, loudspeaker cable or loudspeakers

How To Use

PA-1 FQA

In order to help user operate this amplifier more convenient, following is some frequently asked questions during the operation. If you want more information, please visit our web site www.xindak.com or send e-mail to info@xindak.com.

Q. Why operate on the input selector on panel or select switch and volume control button on remote control, there is no response from amplifier?

A. The reason for that may because: 1. The amplifier is in preparation stage after power on. Please wait. 2. The amplifier is in mute model, and the Mute mark glitters as 1Hz frequency. Please release the mute;

Q. why the attached remote control can not work?

A. This problem may because: 1. there is no batteries, please take out the batteries attached, open the rear cover of the remote control by screwdriver and install them according the exploitation on the chapter "Operation and maintenance for remote control". 2. The batteries is spent, please replace the batteries. 3. There is barrier between the IR sensor and infrared emitter. 4. The remote control has been out of the max available operation distance.

Q. Why there is no sound output after power on?

A. That may because: 1. The amplifier has not been connected to sound source or there is no output from sound source. 2. The amplifier has not been connected to loudspeakers. 3. The signal indication is different with the input signal, please select the correct signal channel. 4. The volume knob is set at the 0, please set the volume in proper level.

Q. How to replace the fuse?

A. If the fuse melts, please pull out the power cord at first, then open the fuse socket on the power input socket. After take out fuse, please check the fuse at first. If there is no black within it, please directly replace it with the fuse in same specification. If there is fuse, which mean there is serious fault, please contact the xindak dealer.



Specifications

CA-1

Max.Output Level	12V(RMS)
THD	≤0.02%
SNR	100dB
Frequency Response	10Hz-100KHz
Input Sensitivity	240mV(2V output)
Net Weight	9.5Kg
Dimension (WxDxH)	430mm × 384mm × 116mm

PA-1

Output Power	250W(8Ω Load)
	430W(4Ω Load)
Input Sensitivity	2V
THD	≤0.02%
SNR	100dB
Frequency Respons	10Hz-100KHz
Damp Coefficient	140
Static Power Consumption	≤300W
Net Weight	34Kg
Dimension (WxDxH)	430mm × 460mm × 203mm

Notice: Specification and design for improvements subject to change without notice.



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You can find your nearest authorized distributor and more product information on our website:
www.xindak.com



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