



Linar Audio Model 2

High Performance Audiophile

Stereo Preamplifier

Owner's Manual

Important Safety Instructions

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 a dry cloth.
7. Install in accordance with the manufacturer's instructions.
8. Do not install near any heat sources such as radiators, heat registers, stoves or another apparatus that produces heat.
9. Do not defeat the safety purpose of the polarized or grounding type plug. A polarized plug has two blades with one wider than the other. A grounding-type plug has two blades and a third grounding prong. The wide blade or the third prong is provided for safety. If the provided plug does not fit into the outlet, consult an electrician for replacement of the obsolete outlet.
10. Protect the power cord from being walked on or pinched, particularly at plugs, convenience receptacles, and the point where they exit from the apparatus.
11. Only use attachments and accessories specified by the manufacturer.
12. Use only with the cart, stand, tripod, bracket, or table specified by the manufacturer or sold with the apparatus. When a cart is used, use caution when moving the cart/apparatus combination to avoid injury
13. Unplug this apparatus during lightning storms or when unused for long periods of time.
14. Refer all servicing to qualified service personnel. Servicing is required when the apparatus has been damaged in any way, such as when the power cord or plug has been damaged; liquid has been spilled or objects have fallen into the apparatus; or the apparatus has been exposed to rain or moisture, does not operate normally, or has been dropped.
15. No naked flame sources, such as candles, should be placed on the apparatus.

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

CAUTION
RISK OF ELECTRICAL
SHOCK DO NOT OPEN
RISQUE DE CHOC ELECTRIQUE
NE PAS OUVRIR LE COUVERCLE

Please read completely and observe all instructions and precautions in this owner manual before operating your Linar Audio Preampifier. Retain this owner's manual for future reference

1. **ALWAYS** disconnect the AC main power cord mains before connecting or disconnecting any cables.
2. **ALWAYS** use three-connector AC main power cord including a protective grounding protection.
3. **NEVER** use “ground lifting” and ground plug must be left intact. Failure to comply will void the warranty and could pose a serious risk to your health and safety.
4. **ALWAYS** provide a minimum a 5cm (2inches) of clearance above the preampifier to allow for heat dissipation.
5. **NEVER** use flammable or combustible chemicals for cleaning audio components.
6. **NEVER** wet the inside of this product with any liquid.
7. **NEVER** pour or spill liquids directly onto this unit.
8. **NEVER** attempt to repair this product. If a problem occurs, contact your Linar Audio dealer.
9. **NEVER** remove the top cover. Internal components can store electricity and could result in serious electrical shock or injury. There are no user-serviceable parts.
10. **NEVER** expose this product to extremely high or low temperatures.
11. **NEVER** operate this product in an explosive atmosphere.
12. **ALWAYS** unplug sensitive electronic equipment during lightning storms.

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Introduction

Thank you for choosing the Linar Audio Preamp Model 2.

Linar Audio Preamps and Power Amps are the fruit of extensive research and development in the audio field. Linar Audio Preamps are designed to provide the world-class performance at reasonable prices.

The Linar Preamp Model 2 is designed with J-FET transistors from the input to the output stage, one-stage gain without negative feedback, and utilizes a network resistor volume attenuator design. The circuitry is dual-mono in nature and is a truly balanced layout.

Aesthetically stunning and sonically spectacular, the Linar Preamp Model 2 is a perfect match for the Linar Audio amps. Together they provide among the finest audio reproduction available anywhere, at any price.

As with many high-end audio products, your Linar Preamp will require a significant break-in period. This process can take up to 200 hours of use.

Familiarize yourself with the material contained within this manual prior to using. If you have any uncertainties, contact your Linar Audio dealer.

Given proper use and care, your Linar Preamp should provide you with many years of exceptional music reproduction and listening pleasure.

Unpacking

Unpack your Linar Preamp carefully as it is quite heavy. Keep all packaging to ensure safe transport in the future. Accessories included with your amp are:

- ✓ The AC Power Cord
- ✓ The Remote Control
- ✓ This Owners Manual

After you have completed unpacking, perform a thorough inspection of the preamp and report any damage to your dealer immediately. It is recommended to allow the unit to acclimatize to the temperature and humidity conditions in your home prior to operation.

Please write the serial number of your Linar Audio Preamp Model 2 here for future reference.

Serial number: _____

Connections

All connections are made on the rear panel of your preamplifier. Familiarize yourself with the layout of the rear panel prior to placing your preamplifier on a shelf or in a cabinet. Ideally, you should have easy and open access to the rear panel to make connections easier, and to reduce any crimping or pressure on your cables.

Connections should only be made with all system components turned off! The performance of your system can be significantly improved by using high quality interconnect.

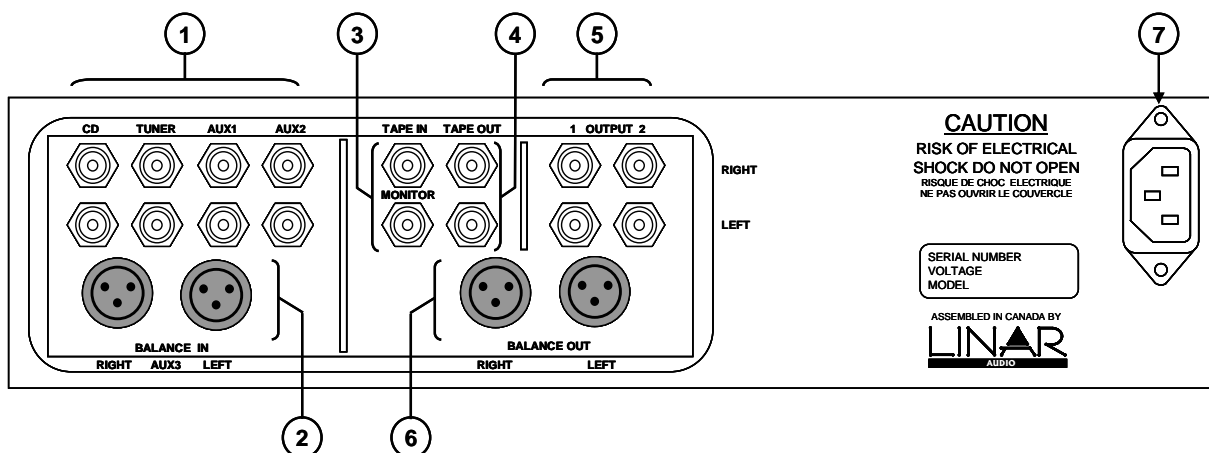


Figure 1. Linar Audio Model 2 Preamp Rear Panel

Rear Panel Connections

1 Input RCA Jacks

The Model 2 Preamp has 4 sets of single-ended inputs. Each single-ended input is composed of a pair of RCA jacks one for the right channel on top and one for the left channel below. The 4 sets are labelled "CD", "TUNER", AUX1" and "AUX2"

2 XLR Balance Input

There is one set of balanced input and these are labelled BALANCE IN. One input is assigned for the left channel and the other is for the right channel as indicated on the rear panel.

- Pin No 1 Ground
- Pin No 2 – input (Inverting input)
- Pin No 3 + input (non inverting input)

3 Tape Input

The preamp includes an additional set of RCA single-ended input for recording device.

4 Tape Output

There is set of RCA single-ended output for recording device. The signal coming out of the "TAPE OUT" jacks is the replica of the signal from the selected input ("CD", "TUNER", AUX1", "AUX2" and "AUX3").

5 Output RCA Jacks

Your Model 2 Preamplifier has 2 sets of single-ended outputs labelled "1" and "2". Each set of single-ended output is composed of a pair of RCA jacks one for the right channel on top and one for the left channel below.

6 XLR Balance Output

There is one set of balanced output and these are labelled BALANCE OUT. One output is assigned for the left channel and the other is for the right channel as indicated on the rear panel. For optimal performance, connect your preamplifier to the amplifier using the balanced (XLR) output.

Pin No 1 Ground

Pin No 2 – input (Inversing input)

Pin No 3 + input (non inversing input)

7 AC Line cord receptacle

The Linar Preamplifier has an "IEC" type AC power connector. Insert the supplied AC power cord into connector prior to plugging the cord into the AC wall receptacle.

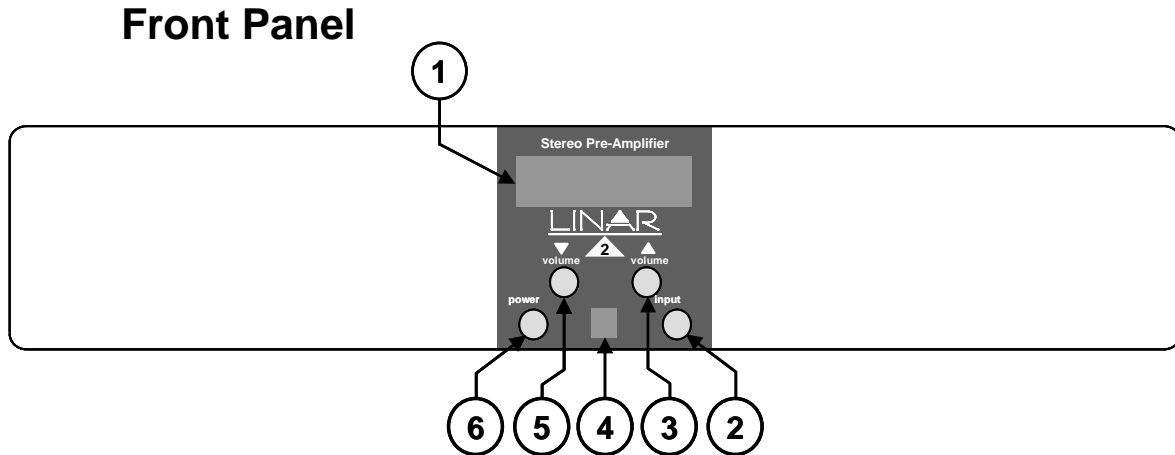


Figure 2. Linar Audio Pre-amplifier Model 2 Front Panel

Front Panel Controls

1 Display Window

The front panel of the Linar Pre-amplifier has a L.C.D window that is illuminated in green. Within the window is the display that shows your selected source and volume settings. The control buttons are embedded in the window.

2 Input (selector)

Pressing the Input selector repeatedly will scroll between the available inputs of the Linar Pre-amplifier. These inputs include “CD”, “Tuner”, “AUX1”, “AUX2”, and “AUX 3”. To listen to a source, select the input to which you have connected the source. Inputs are directly accessible from the remote control. Simply press the designated button and your desired source will be selected. For recording device see “Monitor” section of the remote control.

3 and 5 Volume Up and Volume Down

The Volume Up Δ and Down ∇ buttons control the output level (Gain) of the Linar Pre-amplifier. Levels range from “0” to “100”. This will ultimately control heard when adjusting the volume is normal. This is due to the microprocessor controlled resistor ladder network. There are no moving parts in the volume control system, resulting in both superior sound and extended lifespan.

4 Infrared Receiver

Infrared signal from the remote control are received through the infrared window by a detector.

6 Power

Use the Power button to turn on or off the Pre-amplifier. Press the button once to turn the power on, and press again to turn the power off.

Remote Control

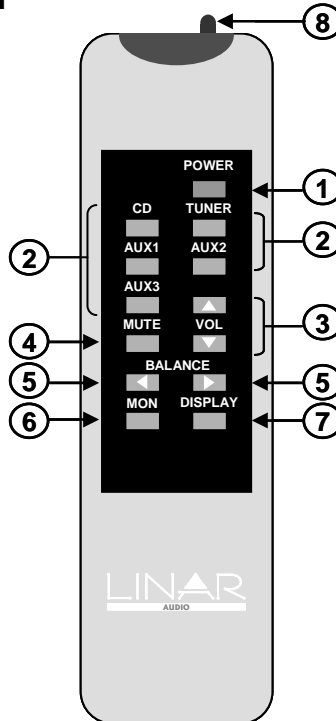


Figure 3. Remote control for Linar Audio Model 2 Preamp

Remote Control features

1 Power

Use the Power button to turn on or off the Linar Preamp. Press the button once to turn the power on, and press again to turn the power off.

2 Input selection button

Five buttons allow you to select directly the source of the signal. These inputs are "CD", "Tuner", "AUX1", "AUX2", and "AUX 3".

3 Volume Up and Volume Down

The Volume Up Δ and Down ∇ buttons control the output level (Gain) of the Linar Preamp. Levels range from "0" to "100". This will ultimately control heard when adjusting the volume is normal

4 Mute

Press the Mute button to interrupt the audio signal from reaching the output of the preamp. The Mute button does not affect the "TAPE OUT" jacks.

5 Balance

The Balance can be adjusted by pressing the "Balance" buttons. Holding down the Balance \triangleleft button will decrease volume in the Right channel. Conversely, pressing the Balance \triangleright button will reduce volume in the Left channel.

6 Monitor

The Monitor button on the remote control will select the "TAPE" input of the Linar Preamplifier. At the same time, the signal from your selected source will be fed out via the "TAPE OUT" output on the rear of the preamplifier. The monitor function can be used to listen to a source connected to the "TAPE IN", or to monitor a recording as it is occurring. The monitor function can be turned on or off with the remote control, allowing direct comparison of original and recorded media from your listening position.

7 Display

Pressing the "Display" button will turn off the illumination of the front control panel of the Linar Preamplifier. Pressing the "Display" button again will turn the illumination on.

8 Infrared emitter

The infrared emitter sends the signal of the remote control to the preamplifier. No object shall be in the light path between the infrared emitter of the remote control and the infrared window located on the front panel of the Linar Preamplifier.

Specifications

Layout.....	Dual-Mono, Fully balanced
Circuit Topology.....	No feedback
Output level.....	Nominal level: 1.5V
Output level.....	Maximum 8V
Total harmonic distortion.....	20-20kHz < 0.05%
Total intermodulation distortion.....	0.05% - Note 1
Frequency response.....	1Hz-20kHz +/-0.1dB
Frequency response.....	0.1Hz-250kHz +/-3dB
Signal to Noise Ration (at 1V).....	> 80dB
Input impedance.....	10 k Ω
Input transistors.....	J-FET
Input sensitivity.....	200mV rms – 4.0V rms
Single Ended (RCA) Inputs.....	5 pairs
Balance (XLR) Input.....	1 pair
Output impedance.....	600 W
Output transistors.....	J-FET
Class of operation.....	A
Single Ended (RCA) Output.....	2 pairs
Balance (XLR) Output.....	1 pair
Tape Output.....	1 pair
Gain – Single Ended.....	14 dB
Gain – Balanced.....	14 dB
Volume control.....	T Resistor Network
Crosstalk.....	-80dB
Power consumption max.....	12 W
Mass.....	5.9kg (13 lbs)
Dimensions (WxHxD).....	45cm x 20cm x 40cm (17.71"x7.87"x15.75")

Note 1 - According to IHF-A202 standard for the purpose of this standard F1 shall equal 60Hz, and F2 shall equal 7000Hz the low frequency sine wave having an amplitude 4 times greater than that of the high frequency sine wave. The measurement of Linar Audio Preampifiers are in respect of this standard even with any frequency combination in any ratio. TIM is a form of dynamic intermodulation distortion that may be associated with feedback amplifiers that use internal lag compensation.

Service and Warranty

Linar Audio Model 2 Preamplifier is covered for a period of three years against manufacturing defects. This warranty includes parts, labour, and return shipping to the original and subsequent owners. In the unlikely event you experience technical problems with your Linar Preamplifier, please contact your dealer for troubleshooting tips. If no solution can be found, please contact Linar Audio using the contact information provided below. If there is no authorized service technician in your area, a Return Authorization may be given to you. Only after obtaining a Return Authorization should you send your Preamplifier to the manufacturer. Linar Audio will either repair or replace your amplifier at their discretion.

This warranty will be considered void if any defect, failure, malfunction, or other damage is deemed to have been caused by mistreatment of the amplifier. Mistreatment includes, but is not limited to, abuse, tampering, servicing of the Preamplifier by unauthorized technicians, and failure to conform to operating instructions listed in this manual.

There are no user serviceable parts in the Linar Audio Preamplifier. Servicing should only be performed by factory-authorized technicians, or by Linar Audio.

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