LiN2A

Vintage Leveling Amplifier

Ω Lindell Audio

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Mode — Limit / Compress

GAIN

40 50 60
30 70
20 80
10 90
0 100

PEAK REDUCTION

40 50 60
30 70
20 80
10 90
0 100

Gain Reduction
Output +10 — Output +4

Power

Specifications

Attack	Dictated by T4BLA optocell
Release	Dictated by T4BLA optocell
Ratio	Program-dependant
Gain	Up to 40 DB ±1DB
Voltage	115VAC, 230VAC rear panel switchable AC Mains Input: IEC320-C14 standard plug.
AC Mains Input	100V-240V depending on supplied
Dimensions	Width 438mm (19") Height 88mm (2U) Depth 250mm

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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 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 other apparatus 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. If the power cord becomes frayed, stop using immediately.
10. Use only attachments/accessories specified by the manufacturer
11. Use only with a 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 from tip-over.
12. Unplug this apparatus during lightning storms or when unused for long periods of time.
13. Refer all servicing to qualified service personnel. Servicing is required when the apparatus has been damaged in any way, such as power supply cord or plug is damaged, liquid has been spilled or objects have fallen into the apparatus, the apparatus has been exposed to rain or moisture, does not operate normally, or has been dropped.
14. This apparatus shall not be exposed to dripping or splashing, and no object filled with liquids, such as vases, shall be placed on the apparatus.
15. Note that this apparatus is not completely disconnected from the AC mains service when the power switch is in the OFF position.
16. The mains plug or power inlet on the product is used as the disconnect device, so the disconnected device shall remain readily operable when reconnected.

17. Any changes or modifications not expressly approved in this manual could void your authority to operate this apparatus.

CAUTION
RISK OF ELECTRIC SHOCK
DO NOT OPEN

WARNING: To reduce the risk of fire or electric shock do not remove cover. No user serviceable parts inside. Do not expose this equipment to rain or moisture. Refer Servicing to qualified personnel.
AVIS: Risque de shock electrique • Ne pas ouvrir

Important !
Be sure to only use the supplied 3-prong IEC cable provided with this unit.

The triangular lightning flash icon 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.

The triangular exclamation point icon is intended to alert the user to the presence of important operating and maintenance (servicing) instructions in the literature accompanying the product.

The Lindell Audio LiN2A complies with all applicable RoHS / WEEE European Union directives.

Do not attempt to service this unit yourself, as it will void your warranty. Please check your unit carefully upon receipt and return to place of purchase immediately if there are any problems with the product. After that, the standard Lindell Audio 1 YEAR warranty will apply to defects in materials and workmanship.

International Service
For service or warranty assistance, please contact the Lindell Audio distributor in your country through the dealer from whom you purchased this product.

Limited One-Year Warranty
Lindell Audio's LiN2A is warranted by Lindell Audio to be free from defects in materials and workmanship for the period of ONE (1) YEAR to the original purchaser. In the event of such defects, the product will be repaired without charge or, at our option, replaced with a new one if delivered to Lindell Audio prepaid, together with a copy of the sales slip or other proof of purchase date. The warranty excludes problems due to normal wear, abuse, shipping damage or failure to use the product in accordance with the specifications.

All parts and labor are covered under this Limited Warranty. However, if it is determined by Lindell Audio that the device was damaged or made defective through abuse, we reserve the right to charge the customer for the cost of the repair.

Lindell Audio shall not be liable for damages based upon inconvenience, loss of use of the product, loss of time, interrupted operation or commercial loss or any other damages, whether incidental, consequential or otherwise. This warranty gives you specific legal rights, and you may have other rights, which will vary from state to state.

This warranty is not transferable.

Quick Start Guide
1. Mute your studio monitors.
2. Connect your LiN2A to your mixing bus or patch bay then using balanced TRS cables.
3. Set all controls fullly counter-clockwise.
4. Set the **Power** switch to ON, and apply power. Power LED meter will light up.
5. Unmute your monitors, and verify that signal is passing to and from the unit.
6. Set the **Gain** and **Peak Reduction** controls to about 12 o'clock, and set the **Meter mode** to **Gain Reduction**. Increase the Input until the meter is deflecting a few dB.
7. Once again verify signal is passing through the unit. If so, the unit is functioning correctly.

Basic Use
Use the **Peak Reduction** control to set the desired amount of compression. Higher Peak Reduction settings will result in a quieter signal; use the **Gain** control to compensate for this loss. Try to match the original level as closely as possible for A/B comparisons that aren't colored by differences in overall volume.

Compression Modes
- **Compress**: A gentler compression setting of roughly 3:1. Note that in the '2A compression style, compression is variable depending on the dynamic range of the program material. Higher Peak Reduction values result in slightly higher compression ratios.
- **Limit**: A hard limiter with a ∞:1 ratio.

What about Attack/Release?
Part of the allure of '2A-style compression is its ease of use, thanks in no small part to its hard-wired attack and release settings. Expect it to sound great with no fuss.

Attack time is incredibly fast at around 10 milliseconds. About 1/40th the time it takes to blink. **Release time** is dependent upon the amount of compression applied by the **Peak Reduction** control, and can range anywhere from half a second to five seconds for total release.
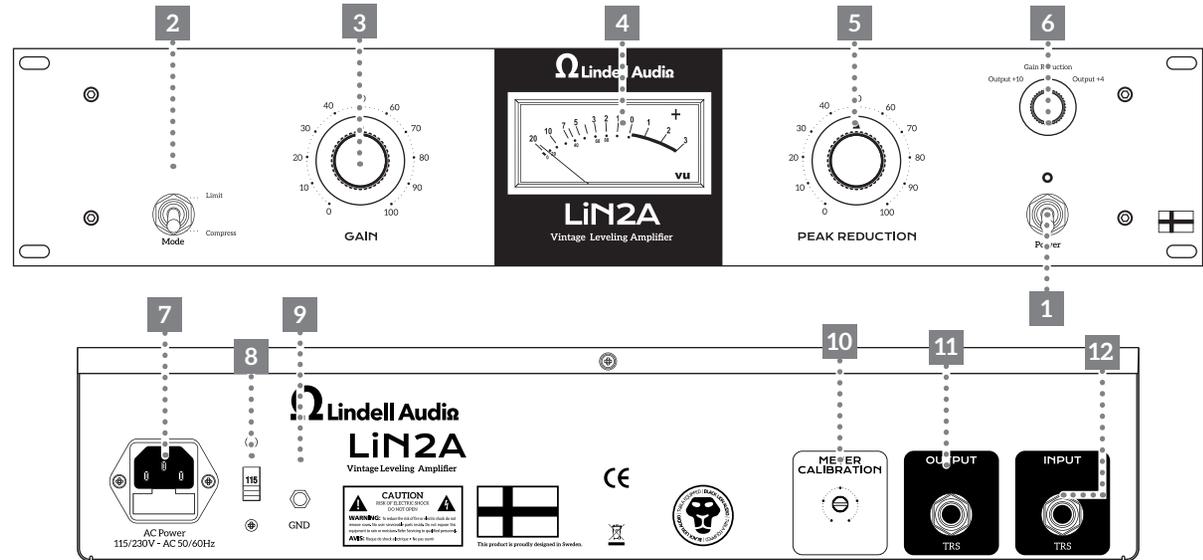
Meter Calibration
Making sure that the meter returns to zero is important to the Lin2A's functionality. This is controlled the the master calibration set screw on the back of the unit.
To calibrate, set the **Metering Mode** to Gain Reduction and ensure that no audio is passing through the unit. Then, using a flathead screwdriver, rotate the screw on the rear panel until the needle rests on 0.

Voila! Meter calibrated.

The T4BLA Optocell
The LiN2A features a custom-designed Black Lion Audio T4BLA Optocell. It yields sublime transparency and smooth gain reduction due to highly selective trimming of its photocell.

1. **Power Button:** turns the Lin 2A on/off.
2. **Mode:** Sets Lin2A to Limit or Compress mode.
3. **Gain:** Sets the post-compression make-up gain to compensate for level lost during compression
4. **VU Meter:** Displays units selected by Meter Mode.
5. **Peak Reduction:** Sets the desired amount of compression/limiting.
6. **Meter Mode:** Sets the type of information rendered on the

meter. **Gain Reduction** meters the amount of gain reduction applied. **Output +10** and **Output +4** will render the Output level as respectively described.
7. **AC Power Input**: ONLY use the supplied IEC Cable to power this unit.
8. **Voltage setting**: Select the voltage suitable to your region. Do not power the Lin-2A by inappropriate voltage.
9. **Grounding plug**: The unit should only be used in a prop-

erly-grounded studio. Do not defeat the third-pin ground for use in an ungrounded studio.
10. **Meter Calibration:** Use this control to adjust the 0 resting point when no compression is being applied.
11. **TRS Output:** Balanced line-level output.
12. **TRS Input:** Balanced line-level input.

Note: For proper performance, balanced TRS must be used for all inputs and outputs.