



Thank you for purchasing the de Lisle Amplifier Expander 4x! Your workflow is about to get a lot more streamlined! Please read and understand the contents of this manual before connecting your new Amp-Speaker Selector to any of your gear. Should you have any questions, please contact us directly. We're happy to help!

SAFETY INSTRUCTIONS



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 product.

- 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) Do not block any ventilation openings. 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 (including amplifiers) that produce 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 are provided for your safety. If the provided plug does not fit into your 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/accessories specified by the manufacturer.
- 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 product should be operated only from the type of power source indicated in this manual.

WARRANTY

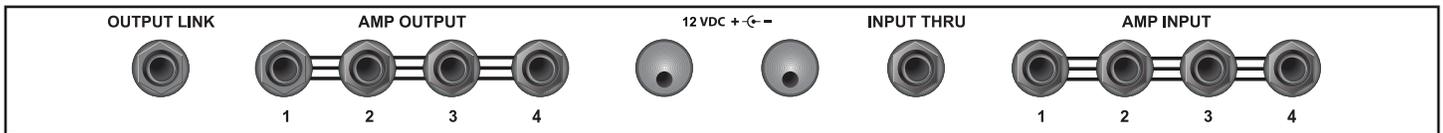
de Lisle Guitar Company warrants this product to be free from manufacturing defects in material and workmanship under normal use for the life of the product. If service is required, please contact de Lisle Guitar Company directly. This warranty is void if the product has been:
a) Damaged through misuse, negligence, or abuse. b) Modified or repaired by anyone other than de Lisle Guitar Company. c) Damaged because it is improperly connected to any other equipment.

Note: This warranty does not cover: a) Ordinary adjustments as outlined in this manual which can be performed by the customer. b) Damage to equipment not properly connected to the product. c) Any cost incurred in shipping the product for repair. d) Damage to the product not used in the USA.

This warranty is not transferable and only applies to the original purchase. Any implied warranties, including the warranty of merchantability, are limited in duration to the period of this expressed warranty and no warranty whether expressed or implied shall apply to the product thereafter.

Under no circumstance shall de Lisle Guitar Company be liable for special or consequential damages arising from the use of this product, or for any delay in the performance of this warranty due to causes beyond our control. Some states do not allow limitations on how long an implied warranty lasts and/or do not allow the exclusion or limitation of consequential damages, so the above limitations on implied warranty and consequential damages may not apply to you. This warranty gives you specific legal rights. You may have other rights that vary from state to state.

CONNECTIONS:



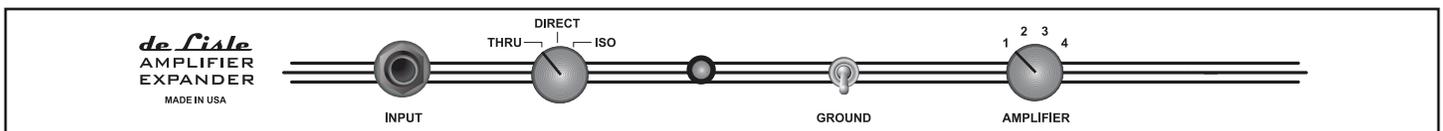
OUTPUT LINK This connects to a dedicated AMP OUTPUT on a separate Amp-Speaker Selector. We recommend using the highest position. For example, if the other device is an 8x8 Deluxe, connect this jack to the AMP OUTPUT 8 position on the 8x8 Deluxe. To use the Amplifier Expander with the 8x8 Deluxe, set AMPLIFIER rotary on the 8x8 Deluxe to position 8. Set the power rotary on the Amplifier Expander to the DIRECT or ISO position. Select the desired amplifier on the Amplifier Expander. Its output will be sent to the 8x8 Deluxe via the OUTPUT LINK jack. The speakers and attenuator connected to the 8x8 Deluxe will now be available to the amps connected to the Amplifier Expander.

AMP OUTPUT Connect to the speaker output jacks of your amplifiers.

12VDC Use only the supplied 12VDC center negative power supply. Connect the power supply to one DC jack. Connect the supplied jumper wire to the second jack. Connect the other end of the jumper wire to the separate Amp-Speaker Selector's DC jack, assuming it also operates at 12VDC. Individual power supplies can be used for each device, such as older 9VDC devices, but may require finding the optimal combination of grounding options between devices.

INPUT THRU Connect this to the front panel INPUT jack on a separate Amp-Speaker Selector. When the power switch is in the THRU position, the front panel INPUT jack of the Amplifier Expander is connected to the INPUT THRU jack allowing the separate Amp-Speaker Selector to be used normally.

SWITCHING:



INPUT Connect your guitar or pedalboard output here.

POWER The power switch has three positions. When in the THRU position, no power is applied to the device and the front panel INPUT jack is connected to the INPUT THRU jack on the rear panel. DIRECT takes the front panel input and sends it directly to the input of the selected amp, bypassing any additional circuitry. This is the position for normal use. ISO, for ISOLATED, sends the input signal through an isolation transformer. This can be used to eliminate ground loops or when a low impedance output is desired.

LED The LED indicator lights up when power is applied.

GROUND The GROUND switch is only active in ISO mode. In the down position, an isolation transformer is in circuit to help prevent ground loops with any other connected devices. In the up position, the transformer is bypassed entirely and an op-amp buffer provides a low impedance output.

AMPLIFIER Rotate to select the desired amplifier. The INPUT jack on the front panel will be connected to the corresponding AMP INPUT jack on the rear panel. The AMP OUTPUT jack will be connected to the OUTPUT LINK jack.

PRECAUTIONS

- DO NOT** make or break any rear panel cable connections with the Amp-Speaker Selector, amplifiers or attenuators powered on.
- DO NOT** use this device as a load box. Always be sure to have a proper load connected whether it is a speaker, load box or attenuator with a built-in load.
- DO NOT** exceed the maximum power rating of the device.
- DO NOT** leave cables unsupported on the back of the device.
- DO NOT** place the device near large magnetic fields such as power transformers. Doing so may induce a voltage in the isolation transformer which will be heard as hum.
- DO NOT** use improper cables. Be sure to use instrument cable for all AMP INPUT and front front panel INPUT jacks. Use speaker cable for AMP OUTPUT and OUTPUT LINK jacks.

INITIAL SETUP PROCEDURE

- 1 We recommend starting with one amp and checking your progress. With so many cables, it can be easy to connect things incorrectly.
- 2 Be sure all devices are powered off before making any connections.
- 3 Connect the OUTPUT LINK jack to the AMP OUTPUT jack with the highest position on a separate Amp-Speaker Selector. For example, if the other device is an 8x8 Deluxe, connect the OUTPUT LINK jack to AMP OUTPUT 8 on the 8x8 Deluxe. Disconnect the corresponding AMP INPUT 8 cable on the 8x8 Deluxe.
- 4 Connect the INPUT THRU jack to the front panel INPUT jack on a separate Amp-Speaker Selector.
- 5 Connect an amplifier's speaker output to AMP OUTPUT 1 on the Amplifier Expander.
- 6 Connect the same amplifier's input jack to AMP INPUT 1 on the Amplifier Expander.
- 7 Connect your guitar to the front INPUT jack of the Amplifier Expander. Rotate the AMPLIFIER rotary to position 1 on the Amplifier Expander.
- 8 On the separate Amp-Speaker Selector, set the AMPLIFIER rotary to the position selected for use with the OUTPT LINK in step 3. Also, select a SPEAKER.
- 9 Power on both the Amplifier Expander and then Amp-Speaker Selector then power on the amplifier connected to position 1 on the Amplifier Expander.
- 10 Listen for the guitar signal. If you hear it coming through the speaker, move on to step 11. If not, check your cable connections.
- 11 Repeat the above steps as necessary to add the rest of your amplifiers.

SPECIFICATIONS

- Input Impedance: 1 Meg
- Output Impedance: 500 Ohm
- Input Sensitivity: +20 Vp-p
- Switching Time: 4-8ms
- Contact Resistance: 0.075 Ohm
- Power Consumption: 1.875W Max
- Guitar / Pedalboard Input (1)
- Amplifier Input (4)
- Amplifier Output (4)
- Input Thru (1)
- Output Link (1)
- Transformer Isolation
- Internally Isolated DC Power Supply
- Silver Relay Contacts with Gold Overlay
- Protection Loads for Unused Amplifiers
- Auto Muting of Unused Amplifiers
- Premium Chassis with Laser Etched Panels
- 12VDC 700mA Power Supply Included
- Hand-Wired
- 150W Maximum Power per Amp
- Lifetime Warranty

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