



PROEL DI10A Active Direct Injection Box User Manual

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PROEL



USER MANUAL

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DI10A Active Direct Injection Box

DI10A

ACTIVE DIRECT INJECTION BOX

Thank you for choosing a PROEL product.



IMPORTANT: read all the safety instructions that appear at the end of this document.

All PROEL products are CE approved and designed for continuous use in professional applications.

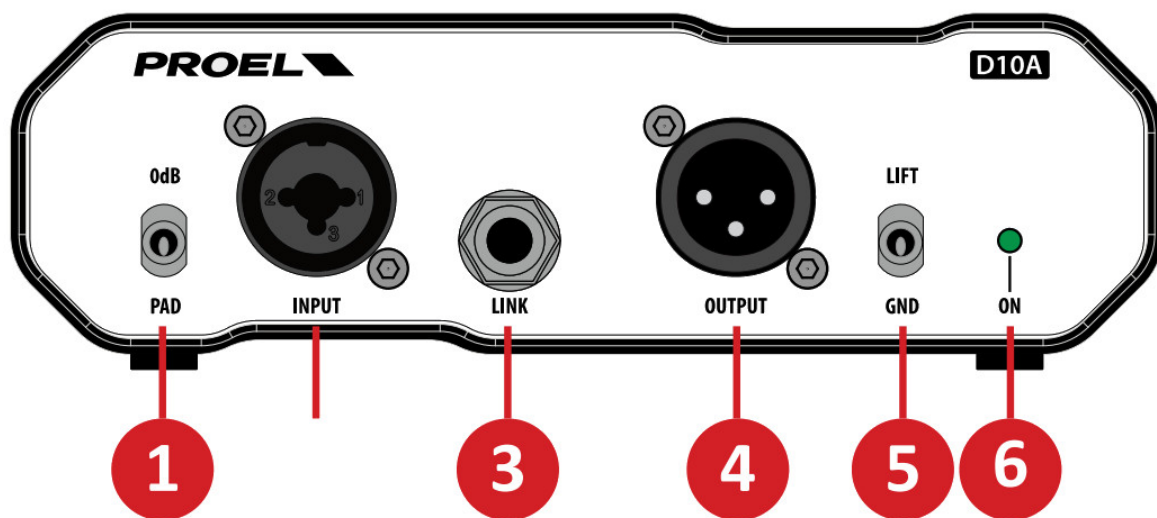
DI Boxes perform several important functions: they are designed for impedance matching and balancing the signal of a guitar, a keyboard or any line-level output source, and for injecting directly the signal with very long connections to the XLR microphone inputs of a mixing console.

D10A is an active direct box with transformer and requires the phantom power to work.

The advantage of a transformer is the possibility to avoid any electrical connection between the sound source and the mixer. This provides two huge benefits: with no electrical path, ground loops are eliminated and the cancellation of common-mode noise, like hum, is possible.

The advantage of active instead of passive DIBOX is null insertion loss and less output hum and noise.

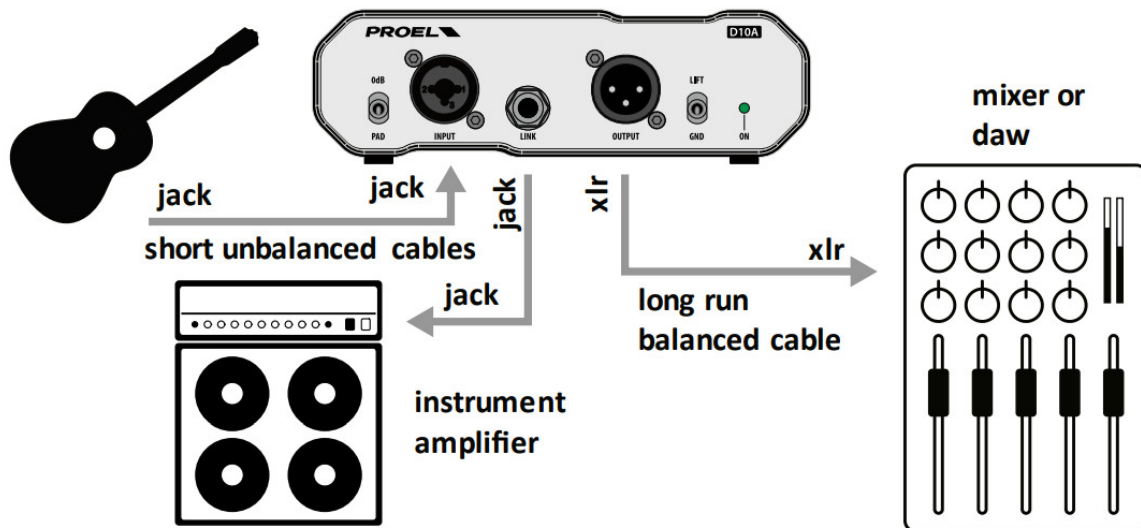
OPERATIONS



1. **PAD:** adds 26dB of attenuation at the INPUT with lever down.
2. **INPUT:** COMBO input that accepts both 1/4" (6.3mm) JACK or XLR male unbalanced connectors.
3. **LINK:** 1/4" (6.3mm) unbalanced JACK directly connected to COMBO input.
4. **OUTPUT:** XLR balanced output.
5. **GND LIFT:** allows to disconnect the input ground (JACK sleeve/XLR pin 1) with the output ground (XLR pin 1) with lever up.
6. **ON:** this LED is illuminated as soon as the unit is connected and the phantom power of the channel is active.

CONNECTION EXAMPLE

The following image shows a typical connection:
guitar, bass or other instrument



You can connect at the INPUT any kind of acoustic guitar, electric guitar, bass guitar, keyboard, pedal output or personal computer with unbalanced jack or XLR connection (or by using connector adapters).

At the LINK connector you may connect an instrument amplifier or other personal monitor systems.

The isolated balanced XLR output is to be connected to the main mixer or to the recording system with long run connection.



IMPORTANT: the input channel the DIBOX is connected to must have the phantom power active.

TECHNICAL SPECIFICATIONS

Model	D10A
System Type	1 channel active DI
Input Section	
Connectors	1 x COMBO XLR-F + 1/4" JACK unbalanced
Link	1 x 1/4" JACK unbalanced
Input Impedance	1 Mohm (no PAD) / 47 Kohm (with PAD)
Max Input Level	+ 16 dBu (no PAD) / + 42 dBu (with PAD)
Output Section	
Connector	1x XLR-M balanced
Min Load Impedance	600 Ohms or greater
Output	Transformer Balanced (fully isolated)
Max Output Level	+16 dBu
System Performance	
Distortion THD+N 0dBu	< 0.007 %
Frequency Response	10 Hz to 100 kHz (-6 dB)
Insertion Loss	0 dB
General	
Controls	PAD -26 dB, GND LIFT
Dimensions (WxHxD)	160x52x106 mm (6.30x2.05x4.17 ") 0.52 kg
Weight	1.15 lb

IMPORTANT SAFETY INSTRUCTIONS

Watch for these symbols:

-  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.

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. 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 from tip-over.
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 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.
15. **Warning:** to reduce the risk of fire or electric shock, do not expose this apparatus to rain or moisture.
16. Do not expose this equipment to dripping or splashing and ensure that no objects filled with liquids, such as vases, are placed on the equipment.
17. To completely disconnect this apparatus from the ac mains, disconnect the power supply cord plug from the ac receptacle.
18. The mains plug of the power supply cord shall remain readily operable.
19. This apparatus contains potentially lethal voltages. To prevent electric shock or hazard, do not remove the chassis, input module or ac input covers. No user serviceable parts inside. Refer servicing to qualified service personnel.
20. The equipment covered by this manual are not intended for high moisture outdoor environments.
21. Keep this equipment out of extended or intense direct sunlight.
22. This equipment is easily capable of generating sound pressure levels (SPL) sufficient to cause permanent hearing damage to performers, production crew and audience members. Caution should be taken to avoid prolonged exposure to SPL in excess of 90 dB.



This marking shown on the product or its literature, indicates that it should not be disposed with other household wastes at the end of its working life. To prevent possible harm to the environment or human health from uncontrolled waste disposal, please separate this from other types of wastes and recycle it responsibly to promote the sustainable reuse of material resources. Household users should contact either the retailer where they purchased this product, or their local government office, for details of where and how they can take this item for

environmentally safe recycling. Business users should contact their supplier and check the terms and conditions of the purchase contract. This product should not be mixed with other commercial wastes for disposal.

FEDERAL COMMUNICATIONS COMMISSION (FCC) STATEMENT

This equipment has been tested and found to comply with the limits for a Class A digital device, pursuant to part 15 of the FCC Rules.

These limits are designed to provide reasonable protection against harmful interference when the equipment is operated in a commercial environment. This equipment generates, uses, and can radiate radio frequency energy and, if not installed and used in accordance with the instruction manual, may cause harmful interference to radio communications.

Operation of this equipment in a residential area is likely to cause harmful interference in which case the user will be required to correct the interference at their own expense.

This device complies with Part 15 of the FCC rules. Operation is subject to the following two conditions:

1. this device may not cause harmful interference, and
2. this device must accept any interference received, including interference that may cause undesired operation.

DECLARATION OF CONFORMITY



The product is in compliance with:

EMC Directive 2014/30/EU, LVD Directive 2014/35/EU, RoHS Directive 2011/65/EU and 2015/863/EU, WEEE Directive 2012/19/EU.



The product is in compliance with:

S.I. 2016/1091 Electromagnetic Compatibility Regulations 2016, S.I. 2016/1101 Electrical Equipment (Safety) Regulations 2016, S.I. 2012/3032 The Restriction of the Use of Certain Hazardous Substances in Electrical and Electronic Equipment Regulations 2012.

WARNING EN 55032 CISPR 32

This equipment is compliant with Class A of CISPR 32. In a residential environment this equipment may cause radio interference. Under the EM disturbance, the ratio of signal-noise will be changed above 10 dB.

LIMITED WARRANTY

Proel warrants all materials, workmanship and proper operation of this product for a period of two years from the original date of purchase. If any defects are found in the materials or workmanship or if the product fails to function properly during the applicable

warranty period, the owner should inform about these defects the dealer or the distributor, providing receipt or invoice of date of purchase and defect detailed description. This warranty does not extend to damage resulting from improper installation, misuse, neglect or abuse. Proel S.p.A. will verify damage on returned units, and when the unit has been properly used and warranty is still valid, then the unit will be replaced or repaired. Proel S.p.A. is not responsible for any "direct damage" or "indirect damage" caused by product defectiveness.


- This unit package has been submitted to ISTA 1A integrity tests. We suggest you control the unit conditions immediately after unpacking it.
- If any damage is found, immediately advise the dealer. Keep all unit packaging parts to allow inspection.
- Proel is not responsible for any damage that occurs during shipment.
- Products are sold "delivered ex warehouse" and shipment is at charge and risk of the buyer.
- Possible damages to unit should be immediately notified to forwarder. Each complaint for package tampered with should be done within eight days from product receipt.

CONDITIONS OF USE

Proel do not accept any liability for damage caused to third parties due to improper installation, use of non-original spare parts, lack of maintenance, tampering or improper use of this product, including disregard of acceptable and applicable safety standards. Proel strongly recommends that this loudspeaker cabinet be suspended taking into consideration all current National, Federal, State and Local regulations. The product must be installed by qualified personnel. Please contact the manufacturer for further information.

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Documents / Resources

	<p>PROEL DI10A Active Direct Injection Box [pdf] User Manual DI10A Active Direct Injection Box, DI10A, Active Direct Injection Box, Direct Injection Box, Injection Box, Box</p>
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References

- [User Manual](#)

[Manuals+](#), [Privacy Policy](#)

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