



TDI-A22ST

ACTIVE DI BOX

User's Manual

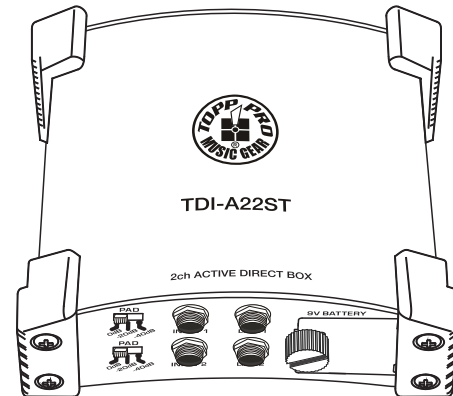


TOPP PRO MUSIC GEAR

www.topppro.com

TDI-A22ST
ACTIVE DI BOX

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Important Safety Instructions



ATTENTION: RISQUE DE CHOC ÉLECTRIQUE NE PAS OUVRIR.

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

AVERTISSEMENT: NE PAS EXPOSER CE MATÉRIEL À LA PLUIE OU L'HUMIDITÉ AFIN DE RÉDUIRE LE RISQUE D'INFLAMMATION OU DE CHOC ÉLECTRIQUE



This symbol, wherever used, alerts you to the presence of un-insulated and dangerous voltages in the product enclosure. These are voltages that may be sufficient to constitute the risk of electric shock or death.



This symbol, wherever used, alerts you to important operating and maintenance instructions. Please read.



Protective Ground Terminal



AC mains (Alternating Current)



Hazardous Live Terminal

ON:

Denotes the product is turned on.

OFF:

Denotes the product is turned off.

CAUTION

Describes precautions that should be observed to prevent damage to the product.



Warning! This symbol indicates a hot surface. Certain parts of the housing can become hot during operation. After use, wait for a cool-down period of at least 10 minutes before handling or transporting the device.



Warning! This device is designed for use below 2000 metres in altitude.



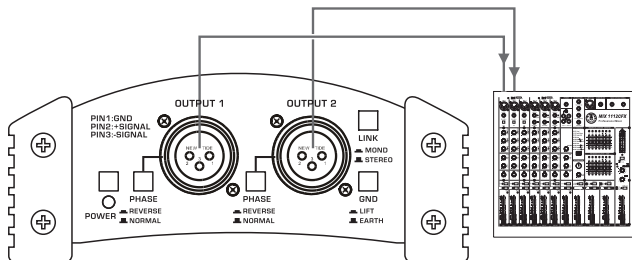
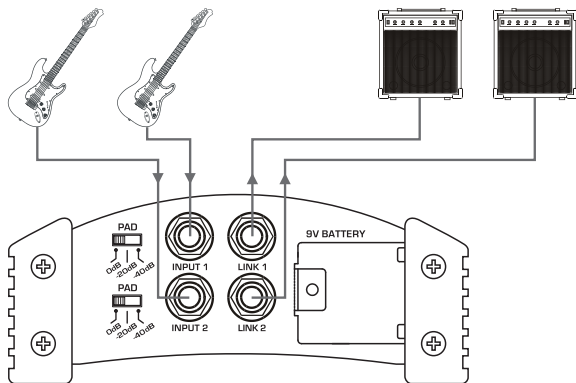
Warning! This product is not intended for use in tropical climates.

1. Read and keep these instructions. Heed all warnings and follow all instructions.
2. **Warning** (if applicable): Please refer to any important information (e.g., electrical, safety, etc.) printed on the exterior bottom enclosure or rear panel before installing or operating the product.
3. Clean only with dry cloth.
4. **Water and Moisture** (if applicable): Do not use this apparatus near water. The apparatus shall not be exposed to dripping or splashing and that no objects filled with liquids, such as vases, shall be placed on the apparatus. Electrical equipment should NEVER be kept or stored in damp environments.
5. (If applicable) Do not block any ventilation openings. Install in accordance with the manufacturer's instructions. Do not install this equipment in a confined or "boxed-in" space such as a bookcase or similar unit, and maintain good ventilation conditions. The ventilation should not be impeded by covering the ventilation openings with items such as newspaper, tablecloths, curtains, etc.
6. Do not install near any heat sources such as radiators, heat registers, stoves, or other apparatus (including amplifiers) that produce heat. Do not place exposed flame sources such as lighted candles on the apparatus.
7. (If applicable) This product should be connected to a power supply only of the type described in these operating instructions, or as marked on the unit.
8. (If applicable) Be careful not to damage the power cord. When moving or not using the appliance, secure the power cord (e.g., wrap it with a cable tie). Before using it again, make sure the power cord has not been damaged. If the power cord has been damaged at all, bring the unit and cord to a qualified service technician for repair or replacement as specified by the manufacturer.

Technical Specifications

Model	TDI-A22ST		
Inputs	1/4"mono jack connector (Top hot,sleeve ground)unbalanced parallel link output 1/4"jack connector for feeding to other equipment or via buffer amplifier		
Attenuator	At 0 dB	At -20 dB	At -40 dB
Impedance	>4M Ohm	16K Ohm	1.8K Ohm
Max.Input Level	+10dBu	+30dBu	+30dBu
Outputs	3-pin connector,transformer balanced output,will drive lines from 600ohm upwards.Maximum output level clip greater than +10dBu with battery or Phantom supply.		
Frequency Response	20~20K Hz, +/-3 dB		
Noise	-108dBu "unweighted"		
THD	Less than 0.05%@1K Hz, 0dBu output		
"Phantom Power" power requirements	+42V DC to +48V DC		
Current Drain	Phantom power less than 8mA, Battery less than 4mA		
Dimensions	130x127x45mm		
Weight	0.65Kg		

Connecting Diagram



9. Unplug this apparatus during lightning storms or when unused for long periods of time.
10. Only use attachment/accessories specified by the manufacturer.
11. (If applicable) Use only 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.
12. Internal/External Voltage Selectors (if applicable): Internal or external voltage selector switches, if any, should only be reset and re-equipped with a proper plug for alternative voltage by a qualified service technician. Do not attempt to alter this yourself.
13. **Caution** (if applicable): Danger of explosion if battery is incorrectly replaced. Replace only with the same or equivalent type. Batteries (a battery pack or an installed battery) shall not be exposed to excessive heat such as sunshine, fire, etc.
14. (If applicable) Do not defeat the safety purpose of the polarized or grounding-type plug.
15. Protective earthing terminal (if applicable): The apparatus should be connected to a mains socket outlet with a protective earthing connection.
 - Denmark (Danmark): Apparatets stikprop skal tilsluttes en stikkontakt med jord, som giver forbindelse til stikproppens jord.
 - Finland (Suomi): Laite on liitettävä suojakoskettimilla varustettuun pistorasiaan.
 - Norway (Norge): Apparatet må tilkoples jordat stikkontakt.
 - Sweden (Sverige): Apparatet skall anslutas till jordat uttag.
16. **For Class II apparatus only:** This symbol means the equipment is a Class II or double-insulated electrical appliance. It has been designed in such a way that it does not require a safety connection to electrical earth. When servicing use only identical replacement parts installed by an instructed person or with these of ready-made leads or cords.
17. **Warning** (if applicable): Provide an earthing connection before the mains plug is connected to the mains. When the earthing is connected, be sure to disconnect it after pulling the mains plug out from the mains.
18. (If applicable) Where the mains plug or an appliance coupler is used as the disconnect device, the disconnect device shall remain readily operable.
19. **Warning** (if applicable): To prevent possible hearing damage, do not listen at high volume levels for long periods.
20. This apparatus is for professional use only. Intended operational climate: moderate.



FCC STATEMENT

1. 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.
2. Changes or modifications not expressly approved by the party responsible for compliance could void the user's authority to operate the equipment.

Radiation Exposure Statement

This equipment complies with FCC radiation exposure limits set forth for an uncontrolled environment. This equipment should be installed and operated with minimum distance 20cm between the radiator & your body.

NOTE: This equipment has been tested and found to comply with the limits for a Class B digital device, pursuant to Part 15 of the FCC Rules. These limits are designed to provide reasonable protection against harmful interference in a residential installation. This equipment generates, uses and can radiate radio frequency energy and, if not installed and used in accordance with the instructions, may cause harmful interference to radio communications. However, there is no guarantee that interference will not occur in a particular installation. If this equipment does cause harmful interference to radio or television reception, which can be determined by turning the equipment off and on, the user is encouraged to try to correct the interference by one or more of the following measures:

- Reorient or relocate the receiving antenna.
- Increase the separation between the equipment and receiver.
- Connect the equipment into an outlet on a circuit different from that to which the receiver is connected.
- Consult the dealer or an experienced radio/TV technician for help.



General Note on the Declaration of Conformity: We hereby declare that this device is in accordance with the essential requirements of the European Directive 2014/53/EU or 2014/30/EU (LVD: 2014/35/EU; GPSR: (EU) 2023/988).

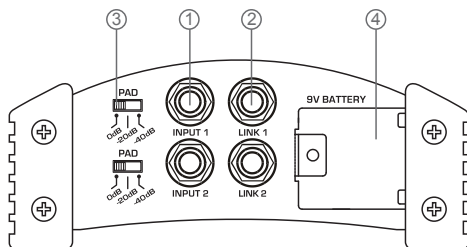
Introduction

A DI box is an impedance matching and signal balancing device for guitars and other musical instruments. A Direct Injection box converts high impedance unbalanced signals to low level balanced output signals for use with audio equipment such as mixing consoles etc. It also ensures proper electrical signals are maintained throughout the signal chain and allows long cable runs while cancelling interference and noise."

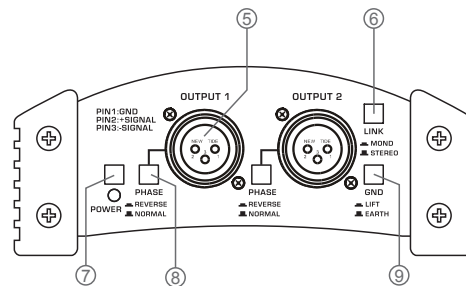
Features

- Converts high impedance unbalanced signals to low-level balanced signals.
- Rugged construction.
- Solid rubber feet.
- Balanced I/O is low noise for long-distance and weak signal transmit.
- Ground bottom makes the noise of input lower when transmitting.
- Attenuation: 0dB, -20dB, -40dB.
- PHASE switch can reverse the phase of the output signal.
- LINK switch allows one input to have two outputs.

Control Elements



1. Input 1/4" jack (unbalanced)
To receive the signal.
2. Link 1/4" jack
This is the unbalanced parallel output of the connector. Connect this to the input of the monitor amplifier.
3. PAD: 0dB, -20dB, -40dB.
Attenuate maximum -40dB when two PADs are used simultaneously.
4. Battery Case



5. 3-pin XLR output

This the balanced output connector to the microphone input of the mixer, should be made with a standard high quality balanced cable.

6. Link Switch

By push the switch , the two input will link together. With just one input, you get two outputs.

7. Power Switch

By pressing the button turn on the unit.

When unit is powered by Phantom power, the power indicator LED remains on.

When unit is powered by 9V battery, the power indicator LED flashes.

When both Phantom power and 9V battery power are used, Phantom power takes priority.

8. Phase Switch

By push the switch to reverse the phase of the output signal.

9. Ground Lift Switch

By switching to the LIFT position the internal pin 1 is removed, isolating the grounding system from that of the rest of the system.