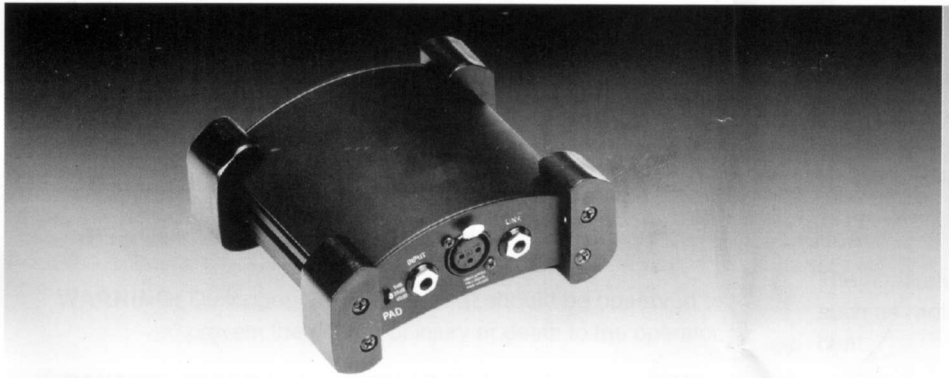
USER'S MANUAL

DIRECT INJECT BOX



IMPORTANT SAFETY SYMBOLS

The symbol is used to indicate that some hazardous live terminals are involved within this apparatus, even under the normal operating conditions, which may be sufficient to constitute the risk of electric shock or death.

The symbol is used in the service documentation to indicate that specific component shall be replaced only by the component specified in that documentation for safety reasons.

⏚ Protective grounding terminal

~ Alternating current/voltage

ϟ Hazardous live terminal

ON: Denotes the apparatus is turned on

OFF: Denotes the apparatus is turned off.

WARNING: Describes precautions that should be observed to prevent the danger of injury or death to the operator.

CAUTION: Describes precautions that should be observed to prevent danger of the apparatus.

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.

IMPORTANT SAFETY INSTRUCTIONS

- Read these instructions.
- Keep these instructions.
- Heed all warning.
- Follow all instructions.
- Water & Moisture

  The apparatus should be protected from moisture and rain, can not used near water, for example: near bathtub, kitchen sink or a swimming pool, etc.

- Heat

  The apparatus should be located away from the heat source such as radiators, stoves or other appliances that produce heat.

- Ventilation

  Do not block areas of ventilation opening. Failure to do could result in fire. Always install accordance with the manufacturer's instructions.

- Object and Liquid Entry

  Objects do not fall into and liquids are not spilled into the inside of the apparatus for safety.

- Power Cord and Plug

  Protect the power cord from being walked on or pinched particularly at plugs, convenience receptacles, and the point where they exit from the apparatus. 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 your safety. If the provided plug does not fit into your outlet, refer to electrician for replacement.

- Power Supply

  The apparatus should be connected to the power supply only of the type as marked on the apparatus or described in the manual. Failure to do could result in damage to the product and possibly the user. Unplug this apparatus during lightning storms or when unused for long periods of time.

- Fuse

  To prevent the risk of fire and damaging the unit, please use only of the recommended fuse type as described in the manual. Before replacing the fuse, make sure the unit turned off and disconnected from the AC outlet.

- Electrical Connection

  Improper electrical wiring may invalidate the product warranty.

- Cleaning

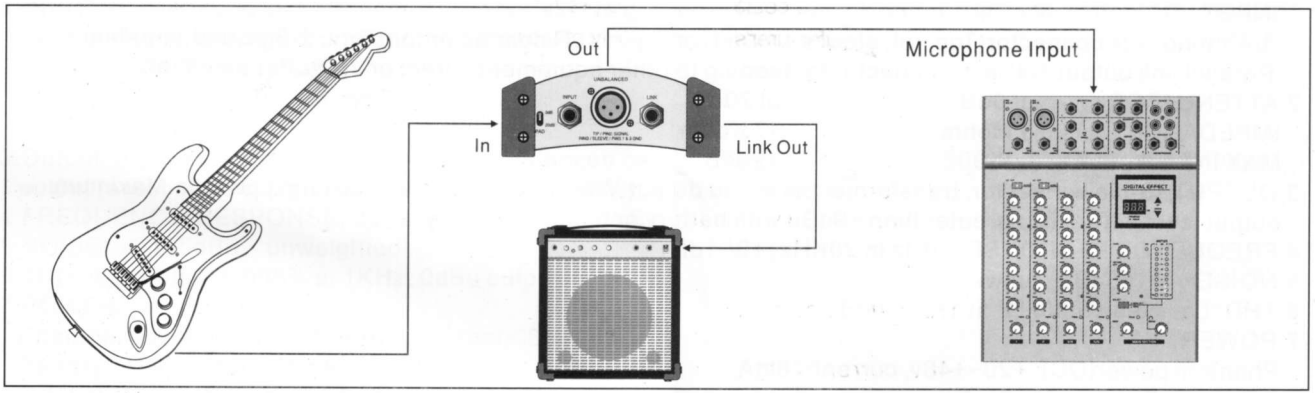
  Clean only with a dry cloth. Do not use any solvents such as benzol or alcohol.

- Servicing

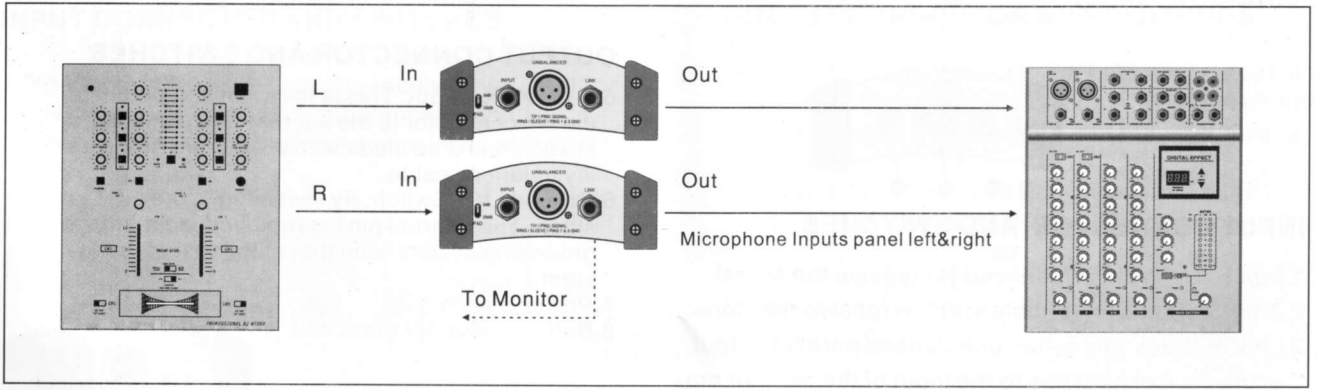
  Do not implement any servicing other than those means described in the manual.
  Refer all servicing to qualified service personnel only.

- Only use accessories/attachments or parts recommended by the manufacturer.

CONFIGURATIONS



Guitar → DI → Guitar Amplifier



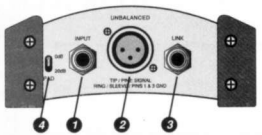
DJ → Mixer → 2× DI → Mixer

SPECIFICATIONS :

1.INPUT:
1/4"mono jack connector(Top hot, sleeve ground) or 3-pin XLR connector (pin2hot, 1-3ground,unbalanced).
Parallel link output 1/4"jack connector for feeding to other equipment, direct or via buffer amplifier.

2.ATTENUATOR :	at 0dB	at 20dB
IMPEDANCE:	1 Mohm	47 Kohm
MAX INPUT LEVEL:	+9dB	+29dB

3.OUTPUT: 3-pin connector, transformer balanced output;Will drive lines from 600 ohm upwards.Maximum output level before clip greater than +9dBu with battery or phantom supply.
4.FREQUENCY RESPONSE: 30Hz to 20KHz, +0/-1dB
5.NOISE: <-105dBu, unweighted
6.THD: Less than 0.005% at 1KHz, 0dBu output.
7.POWER:
Phantom power(DC): +20~+48v, current<8mA
Battery : +9v ,current<2mA
8.DIMENSIONS: 145mm × 125mm × 59mm
9.WEIGHT: 0.7kg

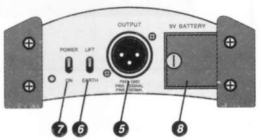


INPUT CONNECTOR AND SWITCHES

1.Input : 1/4"jack(unbalanced)to receive the signal.
2.3-pin XLR socket (unbalanced) to receive the signal.
3.Link 1/4"jack:this is the unbalanced parallel output of the DI. Connect this to the input of the monitor amplifier.
4.PAD: 0dB, 20dB.

OUTPUT CONNECTOR AND SWITCHES

5.3-pin XLR output: This is the balanced output of the DI, connector to the microphone input of the Mixer, should be made with a standard high quality balanced cable.
6.Ground LIFT Switch: By switching to the LIFT position. The internal pin1 is removed.Isolating the grounding system from that of the rest of the system.
7.Power Switch.
8.Battery Case: 9V block cell.

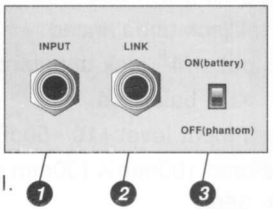


SPECIFICATIONS:

1.INPUTS: 1/4"mono jack connector (Top hot,sleeve ground); Parallel link output 1/4"jack, connect for feeding to other equipment, direct or via buffer amplifier.
2. ATTENUATOR: 0dB
IMPEDANCE: 1Mohm
MAX INPUT LEVEL: +9dB
3.Output: 3-pin XLR connector, transformer balanced output. Will drive lines from 600 ohm upwards.Maximum output level before clip greater than +9dB with battery or phantom supply.
4.FREQUENCY RESPONSE: 30Hz to 20KHz, +0/-1dB
5.NOISE: <-105dBu, unweighted
6.THD: Less than 0.005% at 1KHz, 0dBu output.
7.POWER:
Phantom power (DC): +20 ~+48V, current<8mA.
Battery : +9v ,current<1mA
8.DIMENSIONS: 157mm × 84mm × 55mm
9.WEIGHT: 0.5kg

INPUT CONNECTOR AND SWITCHES

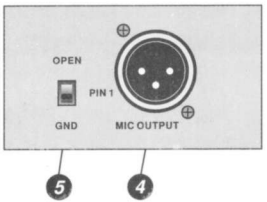
1.Input 1/4" jack(unbalanced)to receive the signal.
2.LINK 1/4"jack:This is the unbalanced parallel output of the DI.Connect this to the input of the monitor amplifier.
3.Power Switch.



NOTE:Built-in 9V Blockcell.

OUTPUT CONNECTOR AND SWITCHES

4.3-pin XLR output: This is the balanced output of the DI, connector to the microphone input of the Mixer, should be made with a standard high quality balanced cable.
5.Ground LIFT Switch: By switching to the LIFT position. The internal pin1 is removed. Isolating the grounding system from that of the rest of the system.



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CAUTION:

Under no circumstances connect these product to any mains power supply.

OUTPUT:

A 3Pin XLR type connector giving a floating output with a nominal level of 10mv, suitable for most microphone mixer inputs. Wiring to nominal balanced twin screened cable is as follows:

Pin1-Earth braid (screen)
Pin2-Red wire (signal positive/hot)
Pin3-Back wire (signal negative/cold)

For connections to unbalanced inputs use pins 1 and 3 joined together as earth or ground, and pin 2 as signal positive (hot). If the mixer input connector is an unbalanced jack then XLR pins 1 and 3 go to sleeve and pin 2 to tip.

Note :If hum problems (earth loops)are experienced they can often be solved by use of the earth lift switch.

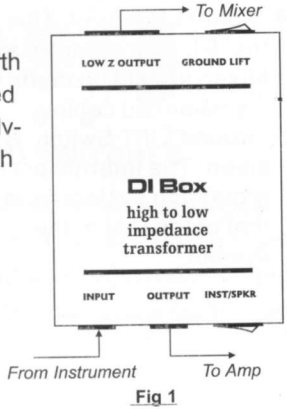


Fig 1

INSTRUMENT INPUT:

This input is for low level signals(Maximum 3v), having a high impedance suitable for musical instrument pickups. Use the switch<INST/SPKR>on"INST"position.The most common connection is shown in Fig1.

SPEAKER INPUT:

This is a high level input (max 100V) suitable for use with loudspeaker circuits including 100V line PA amplifier output. Use the switch <INST /SPKR>on"SPKR"positon. The most common connection is shown in **Fig 2.**

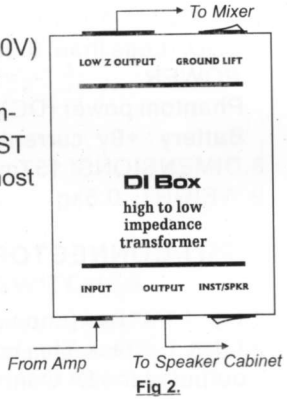
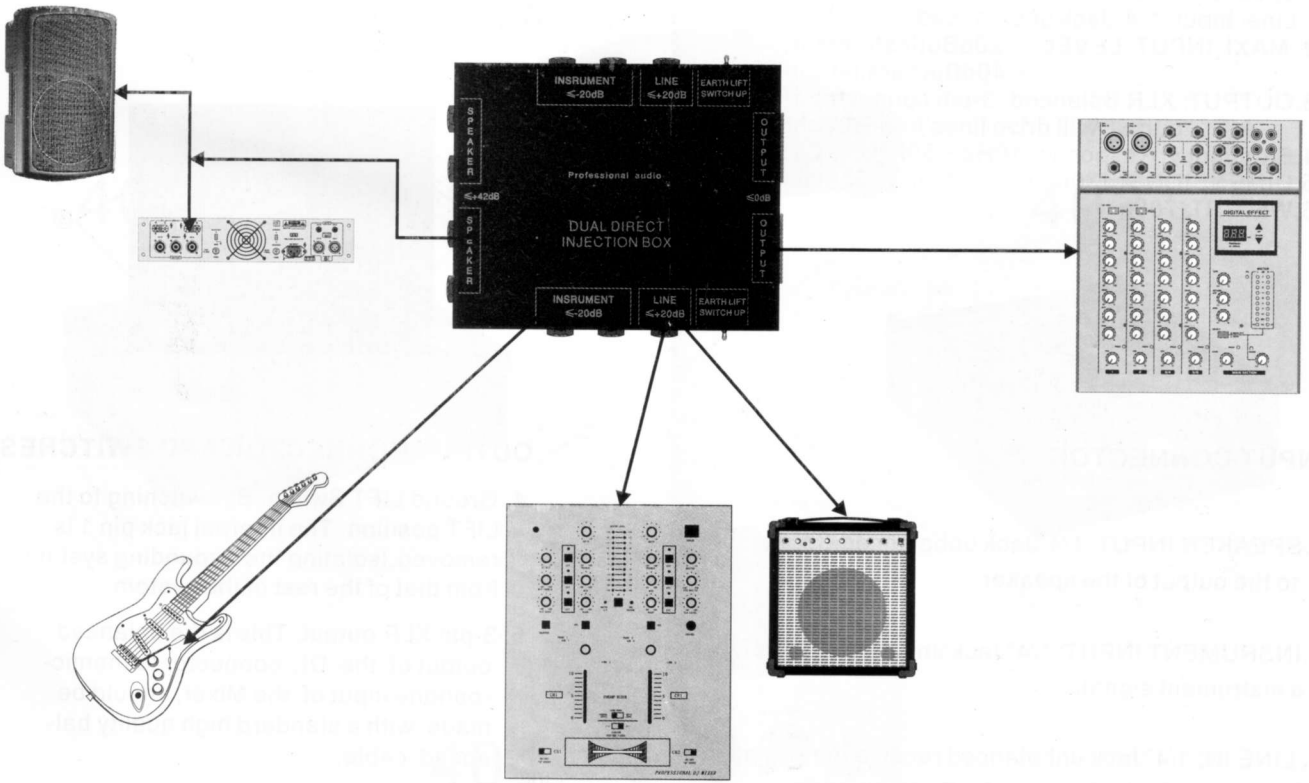


Fig 2.

SPECIFICATIONS:

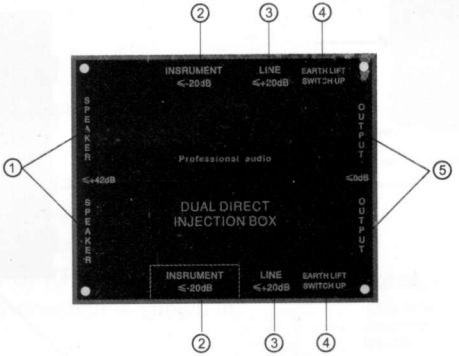
Frequency Response: 10Hz~30KHz
Load Impadance: >600 Ohm
Input: 1/4"jack unbalanced
Link output: 1/4″ jack unbalanced
Output: XLR balanced
Maxmum input level:+10/+50dBu
Dimensions: 100mm×130mm×40mm
Weight: 350g

CONFIGURATIONS



SPECIFICATIONS:

1.INPUTS:
Instrument Input: 1/4"Jack unbalanced;
Speaker Input: 1/4"Jack unbalanced;
Line Input: 1/4"Jack unbalanced.
2. MAXI INPUT LEVEL: <20dBu(instrument)
<40dBu(parallel connect to the speaker)
3.OUTPUT: XLR Balanced, 3-pin connector, transformer balanced output.Will drive lines from 600ohm upward(impedance)
4.Frequency Response: 10Hz ~ 30KHz, +0/-1dB
5.DIMENSIONS: 130mm × 120mm × 35mm
6.WEIGHT: 700g



INPUT CONNECTOR

1.SPEAKER INPUT: 1/4"Jack unbalanced Connect to the output of the speaker.

2.INSRUMENT INPUT: 1/4"Jack unbalanced receive a instrument signal.

3. LINE IN: 1/4"Jack unbalanced receive the signal. (For example,the line out of a Guitar amplifier).

OUTPUT CONNECTOR AND SWITCHES

4. Ground LIFT Switch: By switching to the LIFT position. The internal jack pin 1 is removed.Isolating the grounding system from that of the rest of the system.

5. 3-pin XLR output: This is the balanced output of the DI, connector to themicrophone input of the Mixer, should be made with a standard high quality balanced cable.

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