

ART PDB Passive Direct Box

Thank you for purchasing the ART **PDB** Passive Direct Box. This rock solid, roadworthy DI Box allows for the connection of the outputs of electronic musical instruments (or other audio sources) to the balanced inputs of mixer consoles.

The ART **PDB** also allows connection of a music source to an instrument amplifier while simultaneously patching it to a mixer via the **PDB** DI Box.

Features:

1. **Switchable Input Attenuation**
 - * 0dB for electric guitar and bass pickups
 - * -20dB for line level signals, such as keyboards and cd players
 - * -40dB for speaker feeds
2. **50k Ohm Instrument Input**

The PDB matches the signal level and impedance with unity gain, without any adverse effects on the source signal.
3. **50k Ohm Parallel Link jack**

The 50k ohm parallel link jack output enables you to connect the output from the PDB directly to power amplifiers without a separate preamplifier.
4. **600 Ohm XLR Output Jack**

The 600 ohm XLR output jack enables you to send a balanced signal to a mixing console.
5. **Switchable Ground Lift**

A switchable ground lift is provided to help eliminate hum caused by ground loops.

Applications:

1. **Electric guitar and bass pick up output signals**

The high impedance signal from a guitar or bass guitar pickup is translated by the PDB into a low impedance balanced signal required by mixing consoles.
Suggested setting – set the input attenuation to 0dB.
2. **Keyboards and line level signals**

The PDB automatically balances and matches the line level outputs of modern electronic keyboards. If you are using a multiple keyboard setup and your keyboards are all plugged into a single instrument amplifier, the PDB can be used to replace individual direct boxes. Simply send the output of the instrument amplifier to the PDB and then to the console (instead of a separate DI box for each keyboard).
Suggested setting – set the input attenuation to -20dB (line level) or -40dB (amp level).
3. **DJ console output signals**

DJ mixers often supply only an unbalanced -10dB signal. The PDB converts this signal to a balanced line level signal before it reaches the console, while providing a convenient method of connector transition with the capability to run long cables.
Suggested setting – set the input attenuation to 0dB or -20dB.
4. **Speaker level signals**

The PDB's ability to accept speaker level inputs from a power amplifier's output allows post-amplifier, post eq and effects signals to be fed directly to the console. In this manner, a particular effect or amplifier sound can be sent directly to the mix.
Suggested setting – set the input attenuation to -40dB (amp level).

Service:

The following information is provided in the unlikely event that your unit requires service.

- 1) Be sure that the unit is the cause of the problem. Check to make sure the unit has power supplied, all cables are connected correctly, and the cables themselves are in working condition.
- 2) If you find the unit to be at fault, write down a complete description of the problem, including how and when the problem occurs. Please write down a description of your complete setup before calling Customer Service.
- 3) Call the factory (716-436-2720) for a Return Authorization (RA) number.
- 4) Pack the unit in its original carton or a reasonable substitute. The packing box is not recommended as a shipping carton. Put the packaged unit in another box for shipping. Print the RA number clearly on the outside of the shipping box. Print your return shipping address on the outside of the box.
- 5) Include with your unit: a return shipping address (we cannot ship to a P.O. Box), a copy of your purchase receipt, a daytime phone number, and a description of the problem.
- 6) Ship only your unit and its power supply (keep your manual!) to:

APPLIED RESEARCH AND TECHNOLOGY

215 TREMONT STREET
ROCHESTER, NEW YORK 14608
ATTN: REPAIR DEPARTMENT
RA# _____

- 7) Contact our Customer Service department at (716) 436-2720 for your Return Authorization number or questions regarding technical assistance or repairs. Customer Service hours are 9:00 AM to 5:30 PM Eastern Time, Monday through Friday. (The PDB warranty period is one year.)

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