

PDI

PASSIVE DI BOX SERIES

► KEEP
► EVERYTHING
► CONNECTED



PDI PDI
ONE 2

USER MANUAL V1.0



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We are really pleased to introduce the first 2 products under the the P DI Series, high quality custom-made transformer-equipped passive D.I. boxes: The P DI ONE (Single channel passive D.I. box) and the P DI 2 (Dual channel passive D.I. box).

While passive D.I. boxes are often seen as dongles or adapters, we prefer to see them as a storefront display window: your goods might be the best available but you need a glass that is clean, transparent and unscratched so your goods can shine and be appreciated. The less you notice it, the better. That is why we've decided to create our own passive D.I. boxes based on 15 years of R&D, tests, failures and successes.

Special care has been taken to make these passive D.I.s a sturdily built, ultra durable product for exceptional professional studio recording, as well as live use. We hope you enjoy using this product as much as we have enjoyed creating it.

Peter Rodríguez
CEO
Heritage Audio. Madrid, Spain.

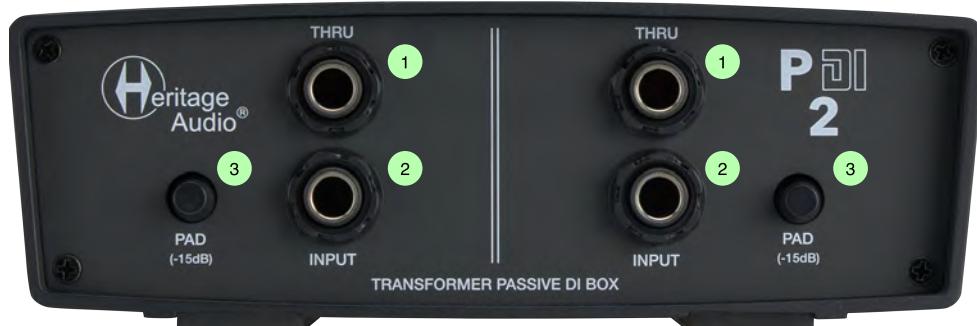
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Transformers are the main ingredient on a high level passive D.I. and the only way to master the transformer world is pure experience. We've spent the last 15 years designing custom-made transformers with almost every reputable manufacturer in the world, thoroughly measuring different alloys to perfectly adjust the response to what each particular design requires and finally, we found the best one for the job, the HA-DI. It has the ideal combination of a nickel core for an ultra transparent signal transfer and MU Metal shielding for protection against any unwanted noise or interference caused by an outside sources.

The P DI ONE and P DI 2 work best with active circuit instruments like keyboards, synths, drum machines, samplers and some guitars and basses, when they are required to be plugged into a PA or recording system. By matching the instrument's output level to a typical microphone level, converting it to a balanced signal and minimising noise, you can be sure you'll achieve the strongest, clearest signal possible.

Thanks to its passive, power-free design, the P DI ONE and P DI 2 converts the impedance from high to low and balances the signal using a magnetic transformer that transfers audio while blocking unwanted DC voltage and RFI. This makes it especially effective at eliminating hum and buzz from ground loops while maintaining the tone of your instrument at every stages.





- 1 **THRU JACK OUTPUT:** 1/4" (6.35 mm) TS.
- 2 **INPUT JACK:** 1/4" (6.35 mm) TS.
- 3 **PAD SWITCH:** Activates 15dB reduction ahead of the transformer.



1 **OUTPUT XLR:** Male gold plated XLR connector.

2 **GROUND LIFT SWITCH:** Lifts XLR Pin 1 from circuit ground.

INPUT JACK: Hi-Z unbalanced instrument input 1/4" (6.35 mm).

THRU JACK OUTPUTS: Thru-put 1/4" jack to send the instrument signal to the instrument amplifier.

PAD SWITCH: -15dB pad that can be pushed to reduce the input signal's volume and ensure clean, distortion-free results.

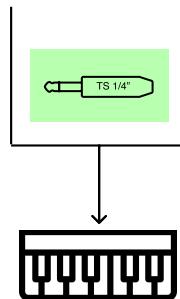
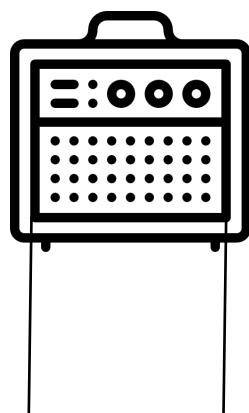
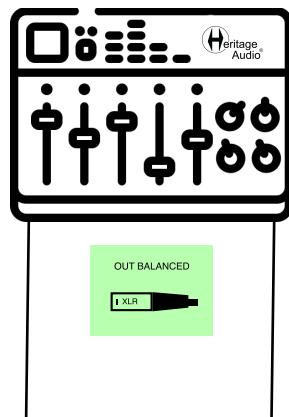
OUTPUT XLR: Wired to the international standard (pin-1 ground, pin-2 hot(+), pin-3(-)), providing a MIC LEVEL balanced output signal.

GROUND LIFT SWITCH: Lifts the XLR pin-1 ground at the output to eliminate any hum caused by ground loops.

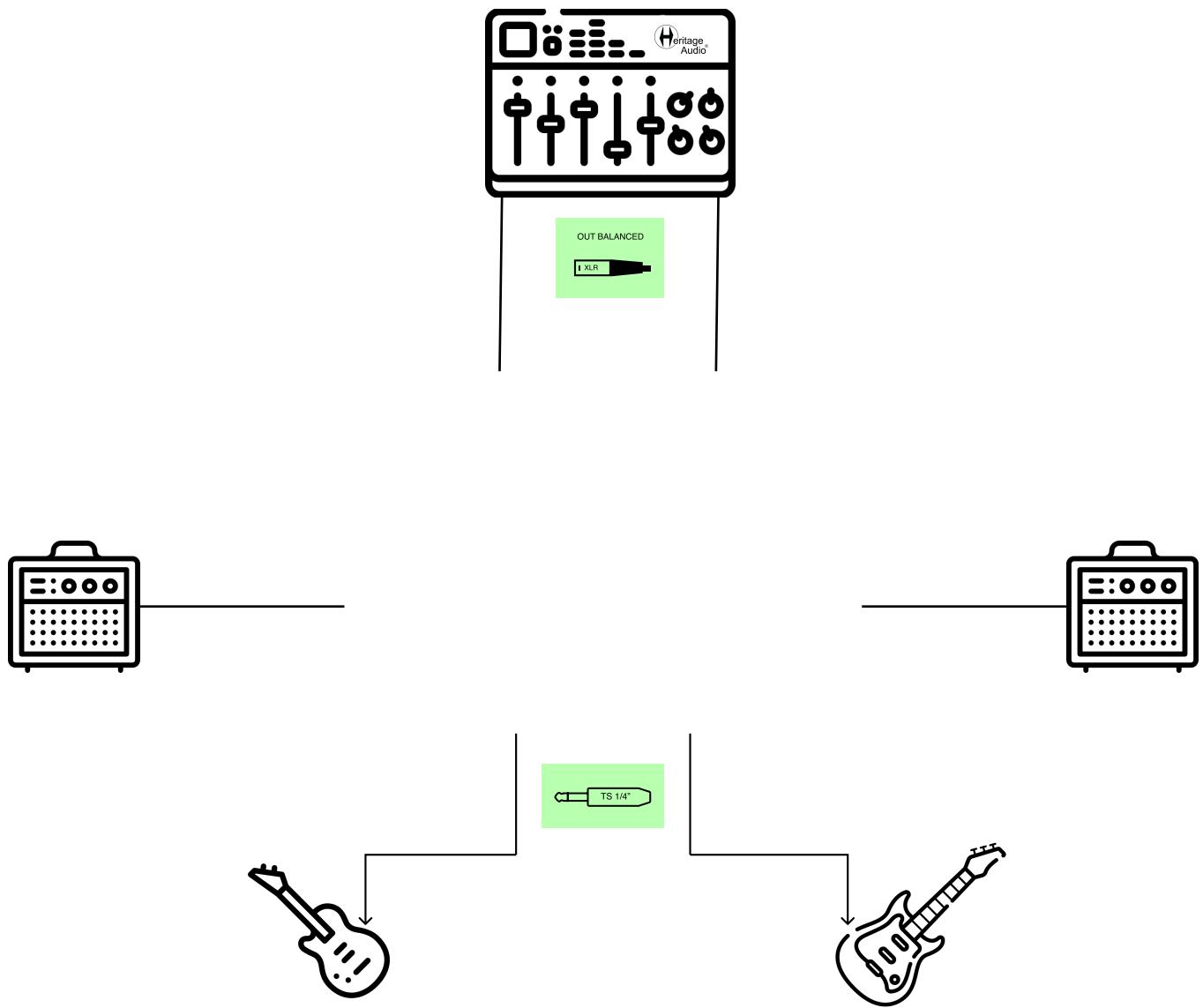
P DI ONE SETUP



STEREO INSTRUMENT SETUP



DUAL MONO INSTRUMENT SETUP



- Single or Dual channel passive DI box.
- Effectively eliminates hum and buzz caused by ground loops.
- Delivers virtually zero phase shift or harmonic distortion.
- Outstanding signal integrity and superior noise rejection.
- HA-DI custom made transformer with nickel core to ensure optimal signal transfer while protected by MU METAL shielding against any EMI.
- Rugged 14-gauge steel enclosure prevents PCB stress and potential component failure.
- MIL-spec circuit board with full ground plane for ultra-quiet operation.
- Durable metal switches rated for over 25,000 cycles.
- 15dB pad.
- Frequency response: 20Hz - 18kHz.
- Ground lift switch.
- Input / Thru gold-plated jacks.
- Gold-plated XLR output.

PROBLEMS	SOLUTIONS
I'm getting no sound at all from my P DI.	Please confirm that you are sending the DI's output on to a MIC preamp, not a LINE preamp.
I'm still getting no sound from it.	Are you using a TS connector and cable for your instrument? If not, please do and avoid using TRS connector/cables.
And yet, still no sound...	Please revise our cables and connectors to make sure everything is correctly wired. If needed, swap out the cable or rewire it.
The signal is very distorted.	If needed use the PAD on your DI to reduce the incoming level from your instrument.
I'm still getting a very distorted sound.	Our DI units will not change your instruments volume level. If your instruments level is ok, then please check the gain staging at the MIC preamp and adjust accordingly.
I'd like to also send my instrument's signal on to an amplifier on stage, not just the FOH mixer.	There is an additional THRU output directly above the instrument INPUT. This is used to do exactly that and will send whatever signal you have inputted into the unit straight out through this THRU jack.
I'm having issues with a ground loop.	Simply activate the LIFT button break the connection with the ground (PIN 1).

LIMITED 2 YEAR WARRANTY

Heritage Audio's P DI series are warranted by Heritage Audio S.L. to be free from defects in materials and workmanship for the period of 2 years to the original purchaser. In the event of such defects, the product will be repaired without charge or, at our option, replaced with a new one if delivered to Heritage Audio prepaid, together with a copy of the sales slip or other proof of purchase date. The warranty excludes problems due to normal wear, abuse, shipping damage or failure to use the product in accordance with the specifications. Heritage Audio shall not be liable for damages based upon inconvenience, loss of use of the product, loss of time, interrupted operation or commercial loss or any other damages, whether incidental, consequential or otherwise.

We encourage you to register your new P DI ONE or P DI 2 in our web in order to better manage any warranty related issues at: <https://heritageaudio.com/registration/>.

This warranty is not transferable.

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