

73 DI

ACTIVE DI BOX SERIES

► KEEP
► EVERYTHING
► CONNECTED



73 DI ONE

73 DI 2

USER MANUAL V1.0

Heritage
Audio[®]

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We are really pleased to introduce the first 2 products under the 73 DI Series, high quality custom-made transformer-equipped 73-Infused active D.I. boxes for exceptional professional studio recording, as well as live use: The 73 DI ONE (Single channel active D.I. box) and the 73 DI 2 (Dual channel active D.I. box).

It's no secret that we are lovers of the 73 topology since the very beginning of Heritage Audio, especially the 3055-driven transformer coupled Class A output stage which is the trademark of that sound. After years of consideration, we've managed to adopt the legendary 3-transistor topology circuit to serve as the best DI you could ever get, at any price range.

We hope you enjoy using this meticulously engineered design that gives the 73 DIs an outstanding performance, delivering a rich, dynamic direct sound that fully captures the harmonic complexity of any instrument, as much as we have enjoyed creating them.

Peter Rodríguez
CEO
Heritage Audio. Madrid, Spain.

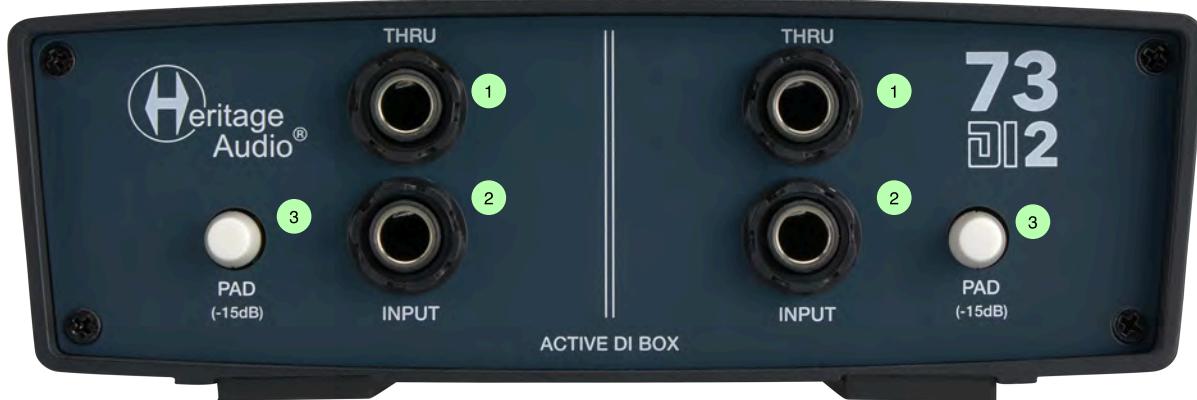
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Adopting the legendary 3-transistor topology circuit to serve as the best DI wasn't an easy task, as a very high input impedance was needed and phantom power was a must. The first transistor in the 73 stage was substituted by a J109 JFET, yielding a 2.2 megohm input impedance instead of the 47 Kohms in the original circuit. This transistor is the same one that is used (and loved) in the ten of thousands of the preamp DIs that Heritage Audio has included in all of its products over the last decade and a half turning it into an industry standard.

A clever design on the power supply section allows it to keep the metal can 2n3055 output transistor that directly drives the custom-developed silicon steel grain oriented output transformer, which is a phantom power friendly version of the venerable LO1166, custom built to enhance the natural performance of your instrument in the same, unique way, that a vintage 73 preamp will enhance a mic signal. The results need to be heard to be believed.

Being a transformer based unit, its output is isolated from the instrument and there is a further provision for lifting the ground, as well. An additional 15dB PAD switch helps with hotter instruments and even allows speaker outputs to be plugged into the 73DI ONE and 73DI 2. A THRU parallel connection rounds out the pack, and all jacks and XLR are gold plated and isolated from chassis.





- 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.
- 3 **ON LED INDICATOR:** Indicates that the unit is receiving +48v of phantom power.

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.

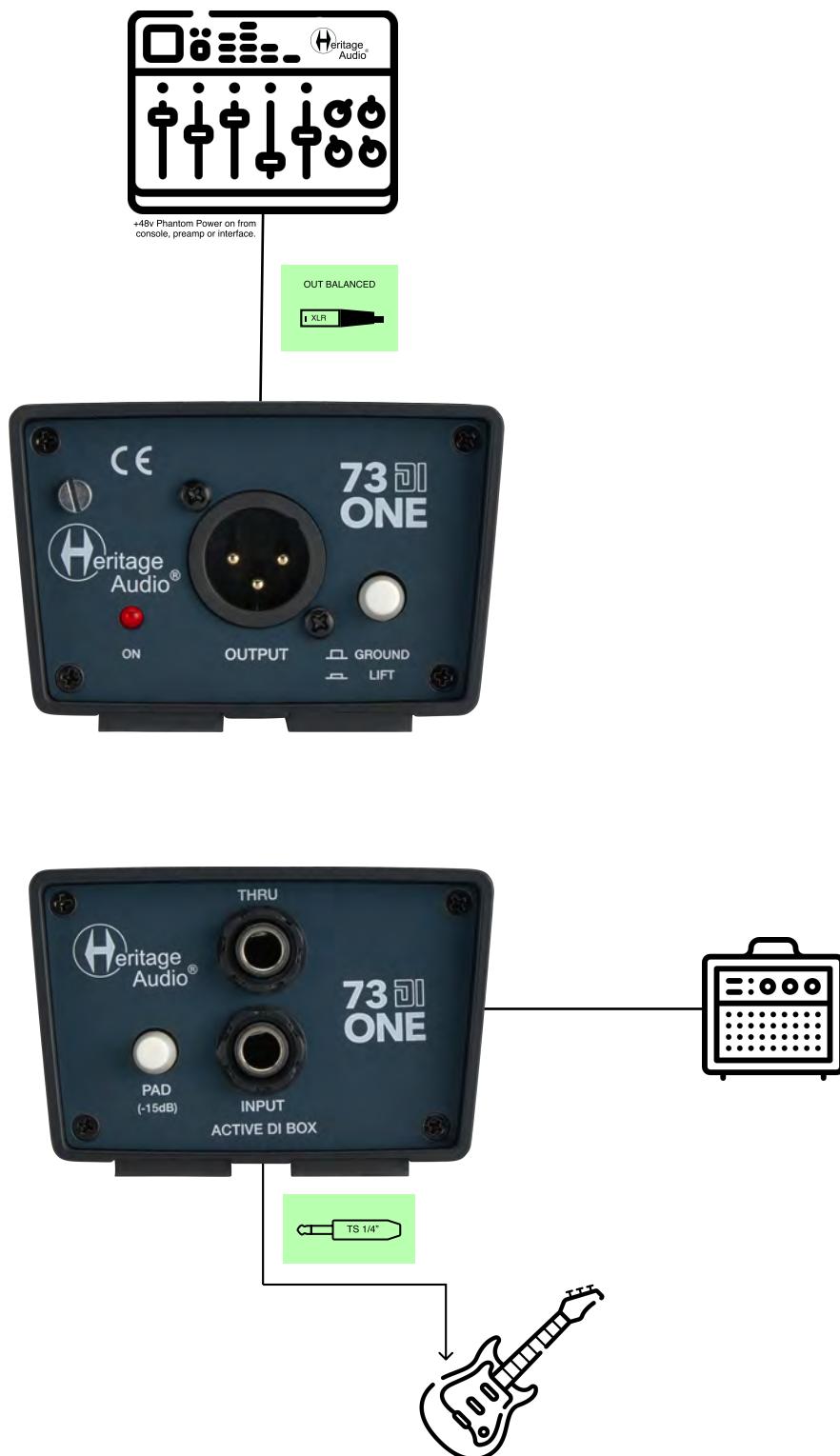
PAD SWITCH: -15dB pad that can be pushed to reduce the input signal's volume and ensure clean, distortion-free results.

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.

ON LED INDICATOR: When ON indicates that the unit is receiving +48v of phantom power.

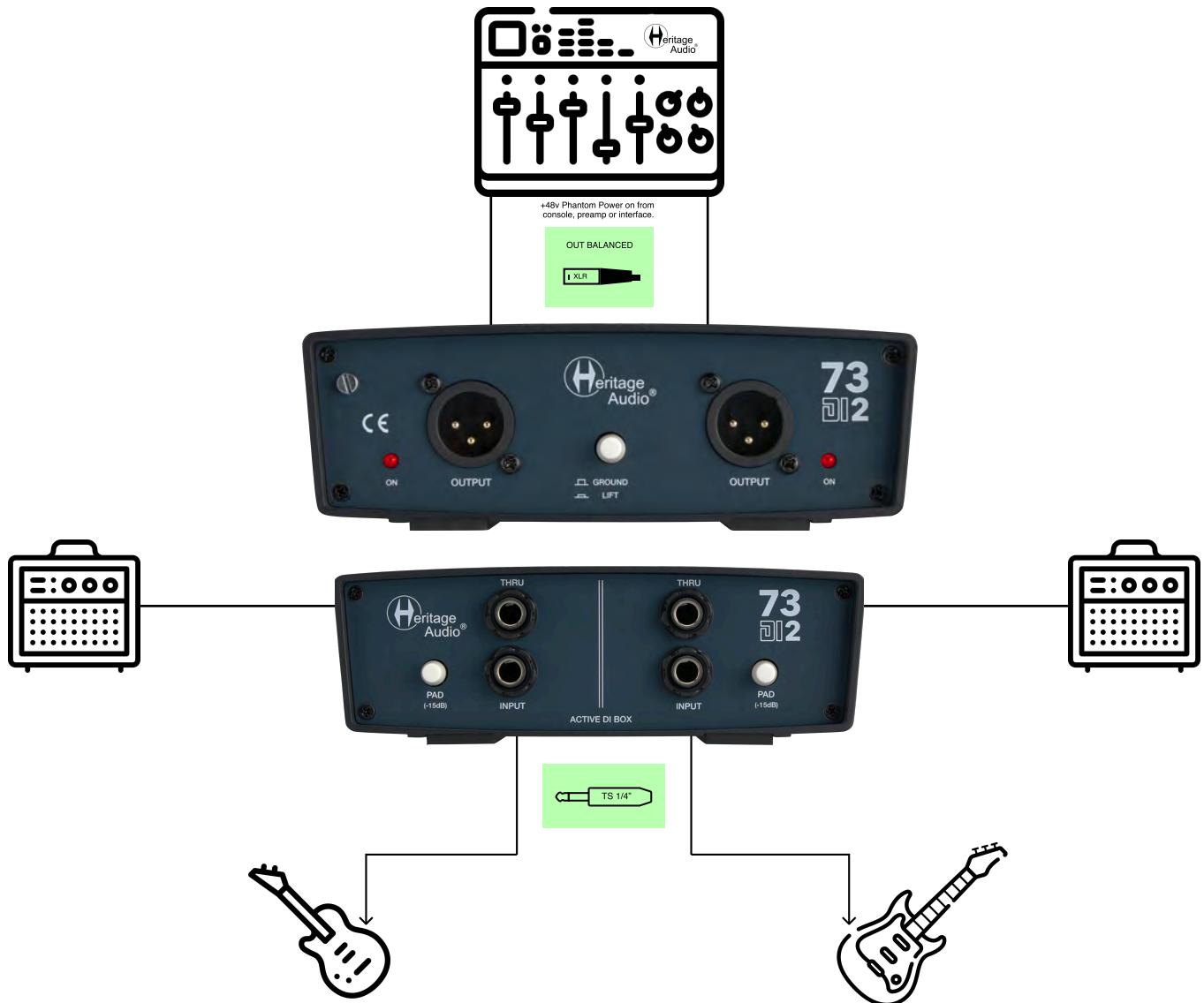
73 DI ONE SETUP



STEREO INSTRUMENT SETUP



DUAL MONO INSTRUMENT SETUP



- Single and Dual channel active DI box.
- Class A, JFET discrete input stage as seen on all Heritage Audio top of the line products.
- Low impedance custom Heritage Audio designed 73-DI output transformers.
- Outstanding signal integrity and superior noise rejection.
- 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.
- Ground lift switch.
- Input / Thru gold-plated jacks.
- Gold-plated XLR output.
- Operated by standard +48V phantom power with red LED indicator light.

PROBLEMS	SOLUTIONS
I'm getting no sound at all from my 73 DI.	Please confirm that you are sending the DI's output on to a MIC preamp, not a LINE preamp.
I'm using a MIC preamp after the DI, but I don't hear anything.	Check to make sure that 48V is being sent to the unit. As this is an active DI it requires powering. There is a little red led that will light confirm this.
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 73 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 73 DI ONE or 73 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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