



WARM WA-DI-A Audio Active Direct Injection Instructions

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WARM
AUDIO

WARM WA-DI-A Audio Active Direct Injection



THANK YOU SO MUCH for choosing the WARM Audio WA-DI-A active direct injection (DI) box. We genuinely appreciate you trusting us with your critical audio needs.

EXCELLENT CHOICE!

This is definitely not “just another DI box.” We are every bit as serious about the design and build of our DI boxes as we are with all our other products which have garnered numerous awards. High quality switches, knobs, inputs, outputs, wiring, and a world-class USA Cinemag Transformer are all securely housed within a rugged metal chassis to provide many years of stellar performance.

UNLIKE OTHER DI BOXES, your WARM Audio active DI is stunningly transparent.

It will not diminish your instrument's original sound or tone in any way ... other than making it sound better.

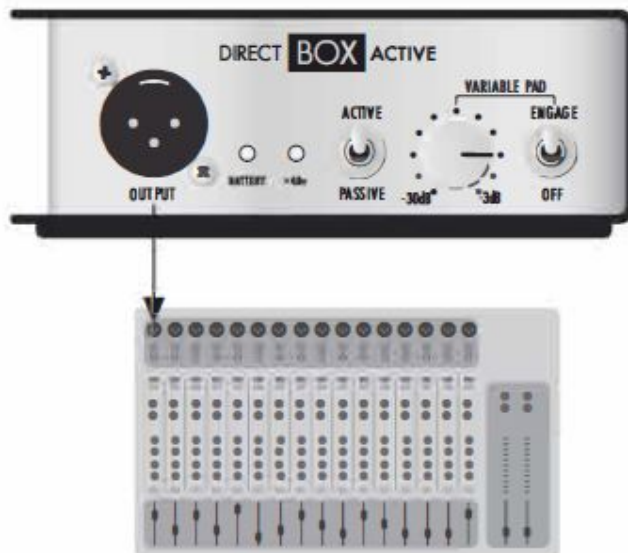
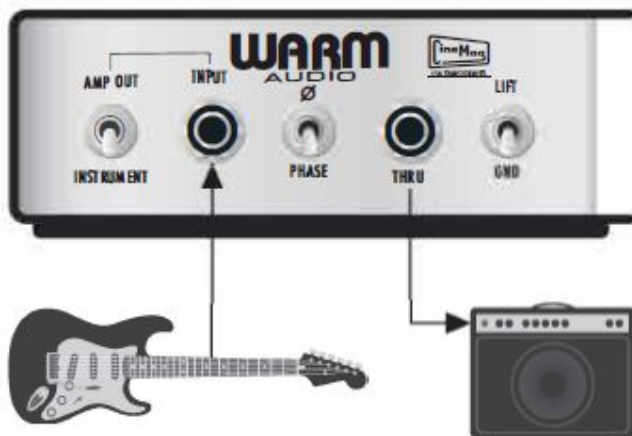
YOU CAN ALSO EXPERIENCE the rare versatility of having an onboard variable pad knob which attenuates your input signal all the way from -3dB to -30dB, which will easily tame any instrument input source.

TYPICAL APPLICATIONS FOR A DI BOX are connecting electronic instruments such as guitar, bass, keyboard, and drum machines directly to a PA or recording system.

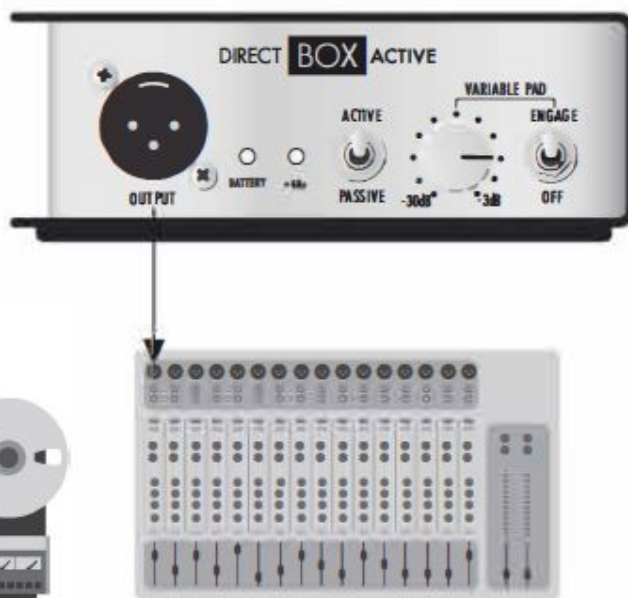
Simply put, a DI box converts the high impedance, unbalanced output signals to low impedance, balanced output signals. By doing so, the instrument signals are now converted to the proper voltage level for the PA or recording system – which greatly reduces and/or eliminates connections which could cause tonal shifts and distortion.

USING YOUR WARM AUDIO ACTIVE DI:

Before making any connections, make sure your audio system or other suitable device is turned off and set all levels to zero. This will prevent damage to your audio system and/or speakers in the event that any loud pops are suddenly introduced. Using a guitar as an example, begin by connecting your instrument to the 1/4" INPUT connector on the DI. The THRU connector is then used to connect the signal from your instrument to your stage or studio amplifier. For other instruments such as keyboards, drum machines etc., you can also use the THRU output to feed a second mixer, recorder, or monitor speaker. Next, connect the DI's XLR OUTPUT to the microphone input of a mixing console or other suitable device. Often times, especially in LIVE performance scenarios, the DI's XLR output will connect to a snake, which then leads to a mixing console. Once all cables are connected, turn your PA or recording system on and turn the volume up slowly. Start at a low volume to make sure everything is working properly. If you experience any buzz or hum, flip the GND (ground) switch to the LIFT position on the DI.



MOST COMMON APPLICATIONS





1. The AMP OUT switch is for when you want to send your amplifier's amplified output signal to the DI box, then to the XLR OUTPUT, then to the mixer. This way, you can get your amplifier sound but have it run directly to the mixer. This method doesn't require a microphone to mic the amp. Simply select INSTRUMENT for all other applications. WARNING: If using the "AMP OUT" input, please take note that some guitar and/or instrument amplifiers require their amplified output to be loaded by a speaker to prevent over-heating. If this is the case for your amplifier, please connect a speaker cabinet to the "THRU" 1 / 4" jack while using the "AMP OUT" input!
2. INPUT: This is the only input you will use to plug your instrument in.
3. The PHASE (polarity reverse) switch is useful for correcting wrongly wired XLR cables. It can also help prevent feedback.
4. The THRU connector may be used to send your instrument to an amplifier, a second mixer, recorder, or monitor speaker.
5. The LIFT/GND (ground) switch can greatly aid in eliminating hum or buzz. Select the most quiet position.
6. The OUTPUT (XLR) can send your signal directly to a snake, mixer, powered speaker, or other suitable device.
7. BATTERY indicator light. If +48v phantom power is NOT coming into the DI, batteries will only be used if you flip the ACTIVE/PASSIVE switch to ACTIVE. If left in PASSIVE mode, it will work passively. For battery power, this active DI requires two 9v batteries which can be installed by removing the two screws on the top of the DI, and the four screws on the bottom. Battery power shuts off automatically if nothing is inserted into the 1 / 4" INPUT jack to prevent unnecessary power drain. You can expect well over 1,600 hours of battery life when using fresh, high-quality batteries. Battery power is not used when using +48v phantom power.
8. +48v Phantom power indicator. Any time the DI detects phantom power at the xlr connector, this light will illuminate. +48v phantom power will override the installed batteries and provide electricity to the unit's active circuit.
9. The ACTIVE/PASSIVE switch allows you to choose between using the unit in its ACTIVE or PASSIVE modes. If

batteries are installed, and/or +48v phantom power is available, it is recommended to use the unit in active mode. Though both modes will sound excellent, the ACTIVE mode will be more versatile and work better for some types of high impedance signals.

10. **VARIABLE PAD:** If you hear any type of distortion, check the input at your mixer or other device first. If your input controls appear normal, set the variable pad knob on the DI to -30dB, then flip the variable pad switch to ENGAGE. This will eliminate distortion caused by very high output sources. At this point, play your instrument while slowly turning the variable pad knob clockwise from -30dB through -3dB until you find a setting where your instrument is sending an acceptable level to your mixer or other device that is not too low or not too high .

REGISTER YOUR WA-DI-A WITHIN 14 DAYS of your purchase date at www.wormaudio.com. This will ensure that you receive proper and uninterrupted warranty support For your product. You may also read the full details of our warranty at our website.

TECHNICAL SPECIFICATIONS

Frequency Response: 1 0Hz to 90kHz +/- 0.5dB

Linear Performance: +/- 0.05dB 20Hz to 50kHz

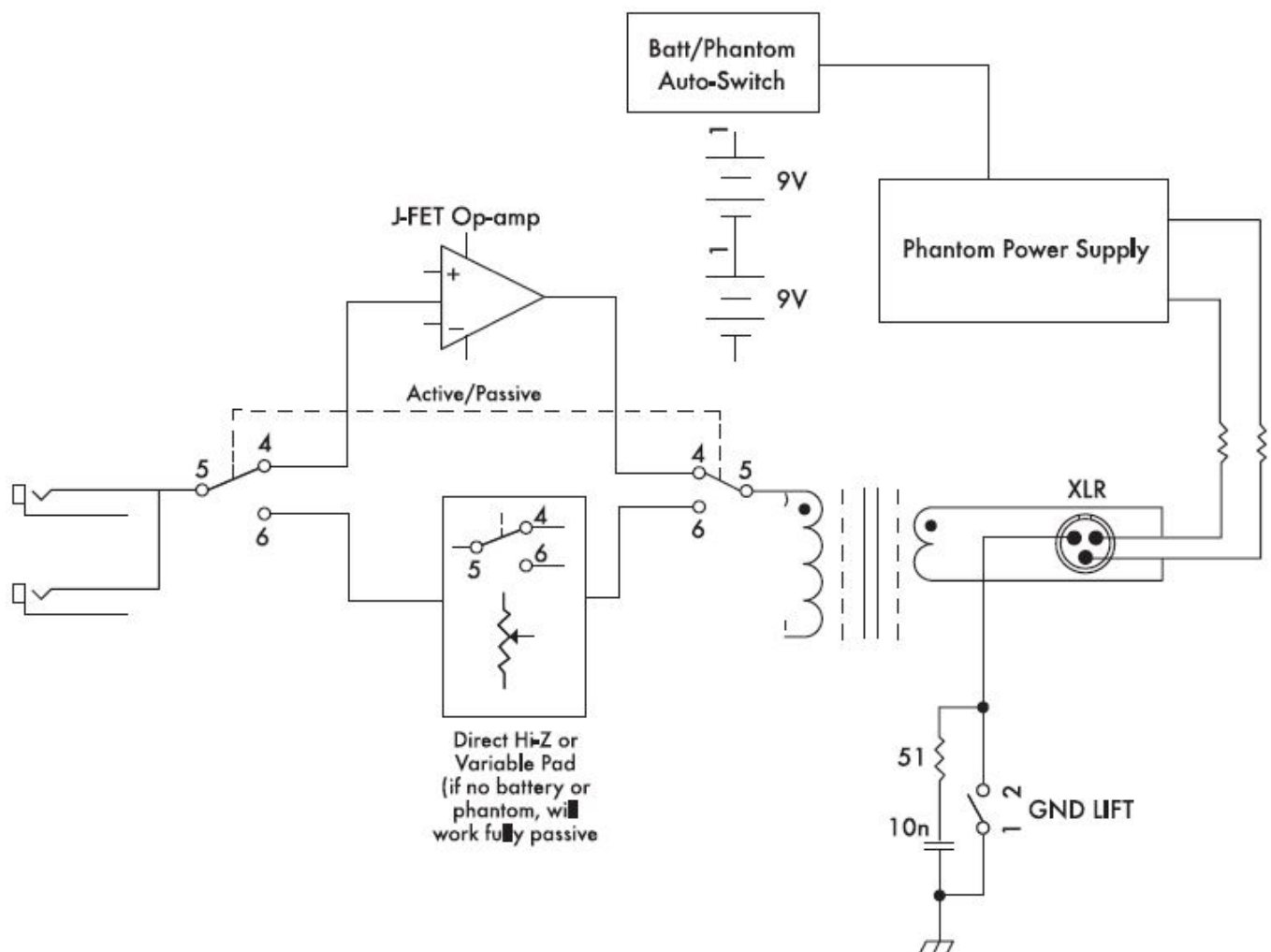
THD: .01 % from 20Hz to 50Hz. Less than .003% from 50Hz to 20kHz

Input Impedance: 1 Meg Ohms

Balanced Outputs: 600 ohms, mic level

Pad: Variable from -3dB to -30dB

Power: 48V Phantom or two 9V batteries





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