

POWER

Operable with any phantom power supply, minimum 24V DC, regulated. Also utilizes standard alkaline 9V battery (not included), with approx. lifespan of 100 hours. To install, remove back cover.

WARNINGS:

- *Attempting to repair unit is not recommended and may void warranty.
- *Missing or altered serial numbers automatically void warranty. For your own protection, be sure serial number labels on the unit's back plate and exterior box are intact.

ONE YEAR LIMITED WARRANTY PROOF OF PURCHASE REQUIRED.

Manufacturer warrants SansAmp Bass DI to be free from defects in materials and workmanship for a period of one (1) year from date of purchase. This warranty does not include damage resulting from accident, misuse, abuse, alteration, or incorrect current or voltage. If SansAmp Bass DI becomes defective within the warranty period, manufacturer will elect to repair or replace it free of charge. After the warranty period expires, manufacturer will repair defective unit for a fee.

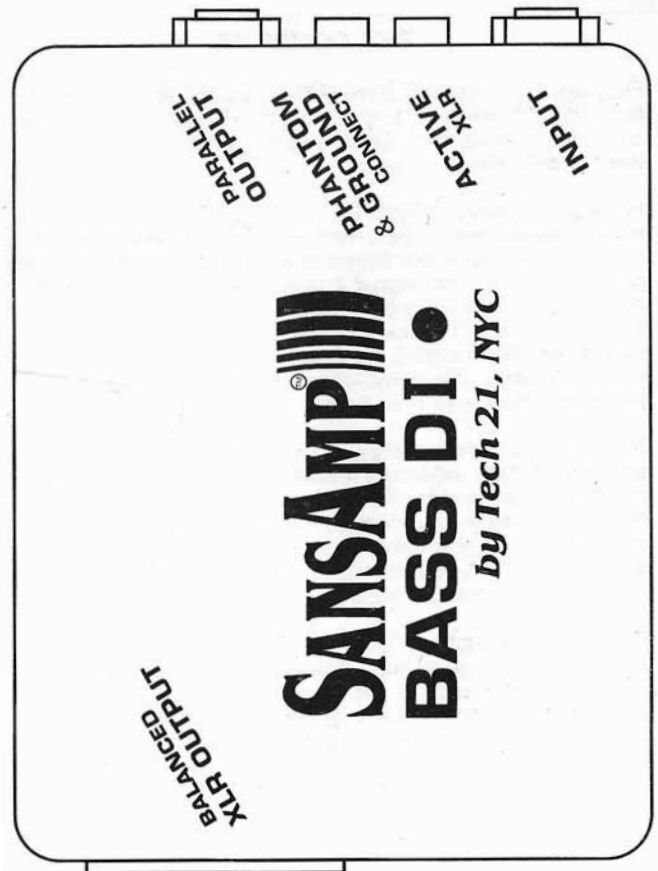
ALL REPAIRS for residents of U.S. and Canada: Please call main headquarters for Return Authorization Number. Manufacturer will not accept packages without prior authorization, pre-paid freight (UPS preferred) and proper insurance.

FOR PERSONAL ASSISTANCE & SERVICE INQUIRIES:
Contact Tech 21, main headquarters, any weekday from 10:00 AM to 6:00 PM, Eastern Standard Time.

Designed and manufactured in the U.S.A.

Tech 21

1600 Broadway, NYC, NY 10019
212-315-1116 / Fax: 212-315-0825



THE CONCEPT

For studio recording and live performances, you get all the benefits, convenience, and portability of a direct box *without* sacrificing the warmth, presence and punch of a miked-up bass amplification system.

In bypass, SansAmp Bass DI functions like any other active transformerless direct box. Without changing the sound, it converts the instrument signal to a low impedance balanced output. This prevents signal loss and sound quality deterioration caused by long cable lengths. When you engage the SansAmp Bass DI Tube Amplifier Emulation circuitry, it not only converts the signal, it gives you the sound and responsiveness of a miked-up pro stage rig --direct into a recording console or P.A. system.

Your individual playing style, your individual musical style, and your guitar's individual tonality each play an important role in the resulting sound. While the internal setting is *user-ready*, the controls are designed to offer flexibility. These trimmable internal controls give you the option of customizing your sound...from big, round, smooth jazz...to clean, punchy slap fusion...to metal meltdown.

The original SansAmp Pedal and SansAmp Rackmount each offer a broad range of pure, natural tube amplifier sounds for direct recording and live performances. Our exclusive Tube Amplifier Emulation technology has now been adapted specifically for bass. As with each SansAmp model, SansAmp Bass DI is engineered to deliver **consistent** quality sound studio to studio, club to club, arena to arena.

INTERNAL CONTROLS

IMPORTANT NOTES:

- 1) Internal controls affect the signal through the *XLR Output* --only. *Parallel Output* to your amplifier is NOT affected by the internal controls.
- 2) SansAmp Bass DI is *user-ready*. Your technique, character of your bass, output of the instrument, choice of pickups, strings, etc., will all influence the resulting sound. The trimmable internal controls are designed to give you the option to change tonality and gain structure. If you experiment with the controls and later wish to return to the original setting, you will be able to do so quickly and easily. A printed diagram is installed inside the unit.

PRESENCE: Controls the amount of definition and high-end content. In high gain settings, it brings out the upper harmonics. For rounder, mellow tone, decrease to taste.

DRIVE: Adjusts overall amount of gain and overdrive. Factory set point will yield a hint of breakup with a high output instrument.

LEVEL: Output level. (Remember, the internal controls affect *XLR Output* only.)

BLEND: Allows you to blend the direct instrument signal with SansAmp Tube Amplifier Emulation circuitry. Factory setting, at 9 o'clock, is 100% SansAmp. Therefore, at 12 o'clock, you blend 50% SansAmp and 50% transparent direct signal.

Minimums are at 9 o'clock; maximums are at 3 o'clock, except Blend, as described above.

HOW TO ADJUST INTERNAL CONTROLS:

Use mini flathead screwdriver, alignment tool, or edge of guitar pick.

EXTERNAL FEATURES

INPUT: 1/4" instrument level. Also switches battery power on/off. To avoid battery drain, UNPLUG WHEN UNIT IS NOT IN USE.

PARALLEL OUTPUT: 1/4" unbalanced direct output is "hard-wired" parallel with input jack. Instrument signal passes through, UNAFFECTED, to the input of your stage amplification system.

BALANCED XLR OUTPUT: Balanced low Z output. Sends either affected or unaffected signal to mixing console, depending on the orientation of the *Active XLR Switch*.

ACTIVE XLR SWITCH with corresponding LED status indicator: Activates the SansAmp Tube Amplifier Emulation circuitry. Affects the *XLR Output only*.

Disengaged, LED will be off. SansAmp Bass DI functions as an active *transparent* direct box. Instrument is sonically unaltered.

Engaged, LED will be on. Tube Amplifier Emulation circuitry is activated. Tonality and gain structure are affected as determined by internal setting. Delivers affected signal through *XLR Output only*.

PHANTOM & GROUND CONNECT SWITCH: When engaged (recessed), the ground connects, and unit will accept phantom power through the *XLR Output*. Disengaged, the ground is lifted, phantom power disconnects, and battery (if installed) becomes activated. So, remember to unplug your unit when not in use.

Active XLR and *Ground Connect Switches* are designed to be flush with the unit when engaged to prevent accidental repositioning.

CONSIDERATIONS:

- 1) SansAmp Bass DI is an interactive tool. It will react differently to various signal levels, as well as your individual touch. For instance, a hotter signal and a heavy hand will increase the gain structure and result in more overdrive. A cooler signal and a light touch decreases gain structure for a cleaner sound. By using the *Presence* and *Drive* controls, you can achieve the proper mix of tonality and gain structure that best suits your style.
- 2) The noise level of SansAmp Bass DI is exceptionally low. However, it may amplify noise emanating from the input source. Bear in mind that SansAmp Bass DI's internal controls are unusually sensitive and do not require maximum levels of input to achieve high levels of output. To minimize noise going into SansAmp Bass DI, we recommend the following:
 - a) Position active on-board electronic tone controls flat. If you need to boost, do so slowly and sparingly.
 - b) Passive electronic instruments should have volume and tone controls at maximum.
- 3) When you push SansAmp Bass DI to saturation, you get enhanced harmonics, just as you would with an overdriven tube amplifier. Depending on the internal setting, the unique circuitry limits transient peaks for an even meter reading, so that outboard compressors or limiters may not be necessary.

EXPERIMENTATION:

As mentioned previously, the internal controls affect the *XLR Output-only*. Therefore, to hear SansAmp Bass DI, you will need to set up through a full-range system (studio monitors or P.A.). Today, most home mixers have XLR inputs. If yours does not, you can use an XLR-to-1/4-inch transformer or adaptor.