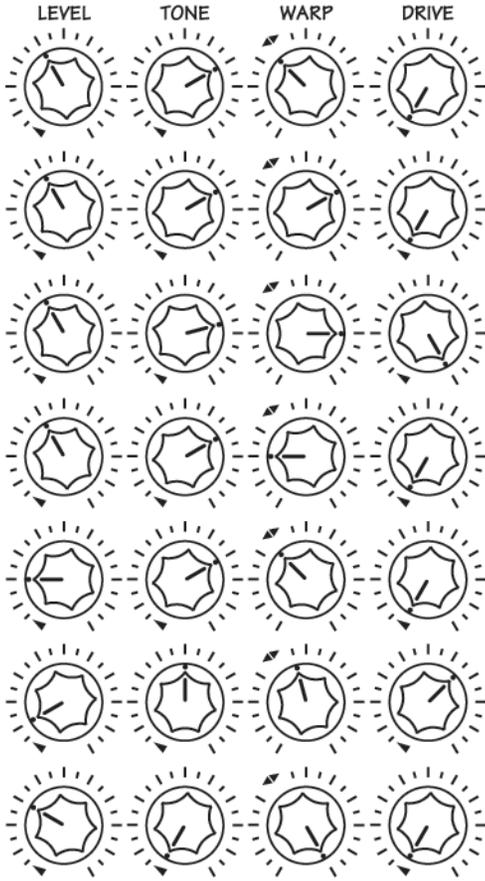


SAMPLE SETTINGS



GUITAR

TRADITIONAL
DISTORTION

WARPING

MEGA

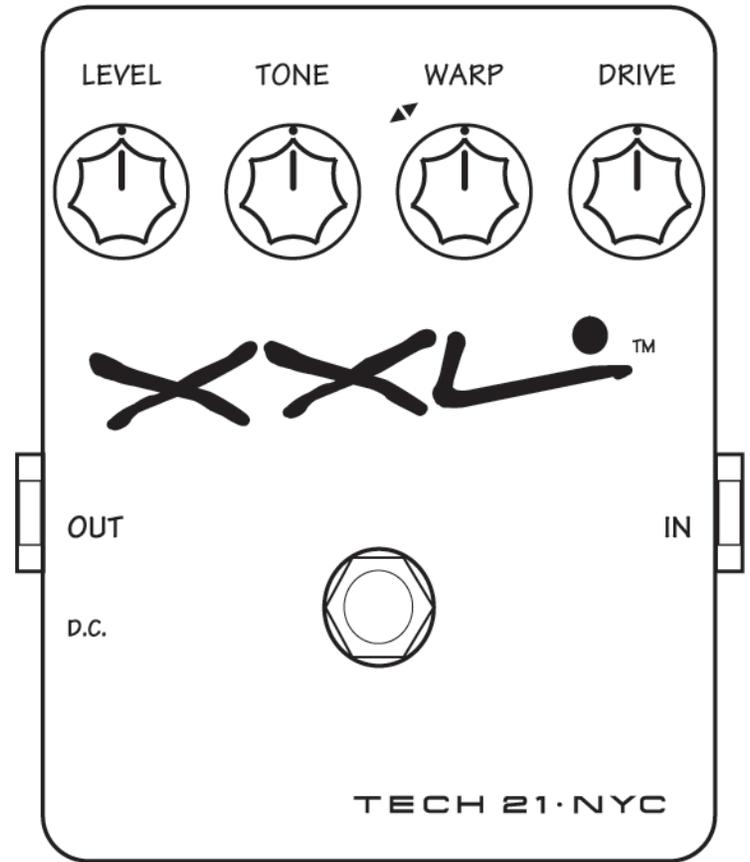
BLUES

BASS

TRADITIONAL
DISTORTION

HEAVY

GROWL



OWNER'S MANUAL - GUITAR & BASS EDITIONS

TECH 21

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PRODUCT OVERVIEW

The originally issued XXL (in early 1995) was the first overdrive pedal to offer a control to manipulate the structure and balance of odd and even harmonics. Not a typical, simple stomp box, by any means, it also happened to appeal to bass players. It was a natural evolution to restructure specifically voiced guitar and bass versions.

With its unique *WARP™* control, the XXL gives you a spectrum of tones, including traditional distortion, classic tube amp overdrive, and vintage fuzz, all in one unit. Born decades ago, these timeless sounds will continue to be the preferred choice of players for decades to come.

Characteristic of all Tech 21 products, the XXL will not depersonalize your instrument's tone. Most importantly, the XXL is highly interactive with the dynamics of your individual playing style and your instrument's individual tonality. It is engineered to be a useful tool for stimulating your creativity and, ultimately, finding your own individual expression.

APPLICATIONS

The XXL is designed for use with any amp -- tube or solid state, vintage or modern. You can achieve the same results using the XXL with any of our highly-acclaimed SansAmp™ models of Tube Amplifier Emulators. It can also bring depth and soul to any multi-processor that otherwise leaves you uninspired.

Simply plug your guitar into the XXL, and the XXL into the input of your amp (or the input of a SansAmp).

GUIDE TO CONTROLS

LEVEL adjusts the output level without altering any tonal characteristics.

DRIVE adjusts the overall amount of gain and overdrive.

TONE-GUITAR EDITION is a very musical, specialized low pass filter that shifts the high cut from 10kHz to 1kHz. It allows you to remove the high end without losing mids or getting muddy.

TONE-BASS EDITION is a level-compensated passive tone control, inspired by the tone controls of the '60s and '70s --with a twist. At max, it's flat. However, as you go towards the mid-point, it *boosts* the low end and adds body, giving you the warmest sound. Then, as you decrease from the mid point, it cuts highs --without changing the level.

WARP™ allows you to manipulate the odd and even harmonic structure within the realm of distortion. It is the key to an entirely different dimension in sound control. The median point (indicated by the double arrows) yields traditional distortion, well-suited for chords and rhythm parts. Extreme settings work particularly well with individual notes -- they become smoother, fatter, thicker. Decreasing from the median point, you get higher amounts of even harmonics, giving you the overdrive like that of a Class A tube amp. Increasing *Warp*, oversaturates the unit. After an initial pick attack, a note will "sag" and constrict, then dilate and enlarge. Sustaining that note will cause it to "sing."

Warp and the X-Factor™

The X-Factor is the ratio of odd and even harmonics relative to the dynamics of your instrument and your playing style. For best results, your guitar should have a strong output signal. The force you use to hit your strings will greatly influence the results you can achieve with the *Warp* control. To illustrate, set *Warp* at maximum and play very open and loose. The effect will be that of a vintage fuzz pedal. (The difference here, however, is that the XXL cleans up when you decrease the output of your guitar.) The same setting, when played in a tight, controlled manner, will yield more of a "woman tone." With the XXL, it's not just what you play, it's how you play it.

THE INS AND OUTS

1/4" INPUT: 1MegOhm high impedance input, same as traditional tube amps.

1/4" OUTPUT: 1kOhm low impedance output drives long cables without loss of signal integrity, even in bypass.

NOTEWORTHY NOTES & SUGGESTIONS

- 1) For guitar amps that tend to be on the bright side, or bass amps with a horn or tweeter, we recommend the XXL's *Tone* control be set lower than 12 o'clock, perhaps initially at 11 o'clock, and adjusting to taste. When available, use the Normal channel on your amp, rather than the Bright channel.
- 2) With *Drive* at or close to minimum and *Warp* at maximum, you can add "breath" to your amp, as if you installed a tube rectifier. This gives extra character (that is otherwise difficult to obtain) to a clean or overdriven amp.
- 3) When experimenting with the *Warp* control, set the knob, then play. If you turn the control *while* you're playing, you will not be able to hear the effect properly. To hear the effect at its most exaggerated, use humbucking pickups with *Warp* set at maximum, and pick individual notes in the lower register very hard.

RECOMMENDED EFFECTS PLACEMENT GUIDE

PLACE BEFORE THE XXL:

Compressor
Octave Divider
Wah (guitar)*

PLACE AFTER THE XXL:

Chorus
Delay
Wah/Auto Wah (synth/bass)*

*NOTE: Placing the wah before distortion will yield a traditional "rock" wah tone. Placing the wah after distortion will give you a very wide ranging "synth" type filtering effect.

POWER REQUIREMENTS

- Utilizes standard 9V alkaline battery (not included). To install, simply remove battery door. (NOTE: The *Input* activates battery. To conserve energy, unplug when not in use.) Power Consumption: approx. 5mA.
 - **USE DC POWER SUPPLY ONLY!** Failure to do so may damage the unit and void warranty.
DC Power Supply Specifications:
-9V DC regulated or unregulated, 100mA minimum;
-2.1mm female plug, center negative (-).
- Optional factory power supply is available, Model #DC2.**

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 unit to be free from defects in materials and workmanship for one (1) year from date of purchase to the original purchaser and is not transferable. This warranty does not include damage resulting from accident, misuse, abuse, alteration, or incorrect current or voltage. If unit becomes defective within warranty period, Tech 21 will elect to repair or replace it free of charge. After warranty expires, Tech 21 will repair defective unit for a fee.

ALL REPAIRS for residents of U.S. Call Tech 21 for **Return Authorization Number**. Manufacturer will **not** accept packages without prior authorization, pre-paid freight (UPS preferred) and proper insurance. International purchasers should contact the authorized Tech 21 distributor in their particular country.

FOR PERSONAL ASSISTANCE & SERVICE:

Contact Tech 21, weekdays from 9:00 AM to 5:00 PM, EST.

MADE IN THE U.S.A.