

POWER REQUIREMENTS

*Utilizes standard 9V alkaline battery (not included). NOTE: *Input* jack activates battery. To conserve energy, unplug when not in use. Power Consumption: approx. 65mA, for battery life of approximately 10 hours.

*USE **DC POWER SUPPLY ONLY!** Failure to do so may damage the unit and void warranty. DC Power Supply Specifications:
-9V DC regulated, 100mA minimum;
-2.1mm female plug, center negative (-).

Optional factory power supply is available: Tech 21 Model #DC9.

WARNINGS:

- * Attempting to repair or modify unit 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, and return your warranty registration card or register online: tech21nyc.com/register

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 repair or replace it free of charge. After expiration, Tech 21 will repair defective unit for a fee.

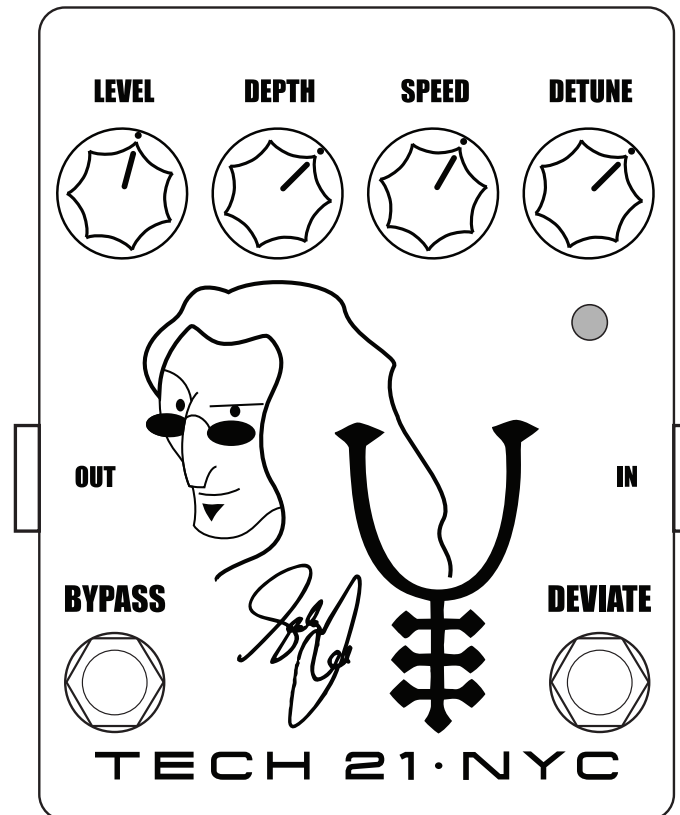
ALL REPAIRS residents of U.S. & Canada: Call or email Tech 21 for **Return Authorization Number**. Manufacturer will **not** accept packages without prior authorization, pre-paid freight (UPS preferred) and proper insurance.

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

Hand-built in the U.S.A. using high-quality components sourced domestically and around the globe.

TECH 21

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Geddy Lee Amalgamation Signature Chorus

TECH 21, THE COMPANY

Tech 21 was formed by a guitarist possessing the unusual combination of a trained ear and electronics expertise. In 1989, B. Andrew Barta incorporated Tech 21 and made his unique invention commercially available to players and studios around the world. His highly-acclaimed, 100% analog **SansAmp®** pioneered Tube Amplifier Emulation in professional applications for recording direct and performing live, and created an entirely new category of signal processing. While there have since been many entries into this niche, SansAmp continues to maintain its reputation as the industry standard.

Each Tech 21 product is thoughtfully designed by Andrew himself with the player in mind. Our goal is to provide you with flexible, versatile tools to cultivate, control, refine and redefine your own individual sound. Tech 21 takes great pride in delivering consistent professional quality sound, studio to studio, club to club, arena to arena.

PRODUCT OVERVIEW

The Geddy Lee Amalgamation Signature Chorus, as one would expect, is specifically tailored for bass. And specifically, with Geddy's valuable input.

Housed in a compact pedal, the Geddy Lee Amalgamation offers an unusual amount of flexibility to achieve a variety of choral effects. It is capable of recreating the kinds of choral tones typically attainable only in a pro studio.

With its Detune control, you can adjust the pitch of the choral voicing, adding sonic girth to create thick, lush, bass-compatible chorus.

Activating Deviate mode alters the Detune function and adds an additional voicing for even more depth --as if 3 people are playing at the same time. Speed and Depth adjust the modulation, from sober to slightly tipsy to downright "wobbly."

As with each Tech 21 product, the controls are designed to give you the flexibility to obtain your desired sounds, not just a one single one-trick pony. It is our hope that the Geddy Lee Amalgamation Signature Chorus will be a useful tool for stimulating your creativity and, ultimately, providing the inspiration to play your best.

THE INS AND OUTS

1/4" INPUT: 1megOhm high impedance input, same as traditional tube amps. Also switches battery power on/off. To avoid battery drain, unplug when unit is not in use.

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

SIGNAL LEVEL TO INPUT/CONNECTIONS

The Amalgamation Chorus is designed to accommodate instrument level signals to the *Input*, such as the output of a guitar/bass, distortion pedals, etc. For normal operation, signal level to *Input* should be close to that of a standard electric guitar/bass (approx -10dBm / 250mV). Line level signals will not damage the Amalgamation Chorus, however the resulting sound may not be particularly desirable.

GUIDE TO CONTROLS

DETUNE

Shifts the pitch of the choral voicing up or down. As you increase, the pitch goes up/sharp. As you decrease, the pitch goes down/flat. At unity (12 o'clock), there is no pitch shifting. The Detune control enables you to have a chorus sound without any modulation when Speed and Depth are at minimum.

Detune Setting Tip:

For vintage chorus sounds, set Detune at 12 o'clock and use Speed and Depth to add modulation.

SPEED

Controls the speed of the modulation from 0.2 Hz to 10 Hz.

DEPTH

Controls the depth of the modulation, becoming more and more "wobbly" as you increase the setting.

LEVEL

Not commonly found on chorus pedals, this level control adjusts the overall output level to ensure against the typical drop in volume when a pedal is engaged.

DEVIATE

Deviate provides a more pronounced effect, and is particularly useful for solos. When engaged, the LED turns from blue to red and affects the functionality of the Detune control. It activates a dual pitch shift, resulting in 3 choral voicings, adding more depth as if 3 people are playing at the same time.

In Deviate mode: Detune controls the pitch of 2 voices. As you increase from 12 o'clock, one voice goes up/sharp and one voice goes down/flat. As you decrease, one voice goes up/sharp and one voice goes down/flat at a different rate.

BYPASS

Buffered bypass eliminates the shortcomings associated with "true bypass" (pops and clicks, and high-end loss when multiple pedals are connected together), as well as signal loss associated with other types of switching circuits.

PLACEMENT NOTES

The general rule of thumb with time-based effects, is to place them last in the signal chain. Here are some points to consider:

1) Into an amp's effects loop. This will give you the cleanest, most true representation of the effect because it is last in the chain --after the amp's tone shaping, compression and distortion. It is the closest way to replicate how choruses are used in a recording studio.

NOTE: Some amplifier effects loops are line level, which may cause the Amalgamation Chorus to distort. It will also compress the signal and reduce the output. The same may hold true for mixing boards. Therefore, you may need to obtain a level matching transformer.

2) After an amp emulator (such as a SansAmp) or distortion pedal into an amp. Set your amp completely clean to achieve similar results to running through an effects loop.

NOTEWORTHY NOTES

1) The Geddy Lee Amalgamation Signature Chorus is very responsive. Our controls are unusually sensitive and tend to perform well beyond what would be considered "normal."

2) LED indicator light. When battery runs low, the LED will become noticeably dim. Power consumption is 65mA. With a fresh battery, you can expect approximately 10 hours of continuous use --more than enough for a full gig. To conserve battery life, unplug the unit during breaks and any other time it is not in use. We recommend opting for a power supply, as it is environmentally-friendlier, will ensure operation, save money on batteries, and relieve stress trying to remember when you last changed the battery.

3) With on-going product development and improvements, specifications and/or the cosmetic appearance of this unit may change without prior notice.

4) This equipment has been tested and found to comply with the limits for a Class B digital device, pursuant to part 15 of the FCC Rules. These

limits are designed to provide reasonable protection against harmful interference in a residential installation. This equipment generates, uses and can radiate radio frequency energy and, if not installed and used in accordance with the instructions, may cause harmful interference to radio communications.

However, there is no guarantee that interference will not occur in a particular installation. If this equipment does cause harmful interference to radio or television reception, which can be determined by turning the equipment off and on, the user is encouraged to try to correct the interference by one or more of the following measures:

- Reorient or relocate the receiving antenna.
- Increase the separation between the equipment and receiver.
- Connect the equipment into an outlet on a circuit different from that to which the receiver is connected.
- Consult the dealer or an experienced radio/TV technician for help.

