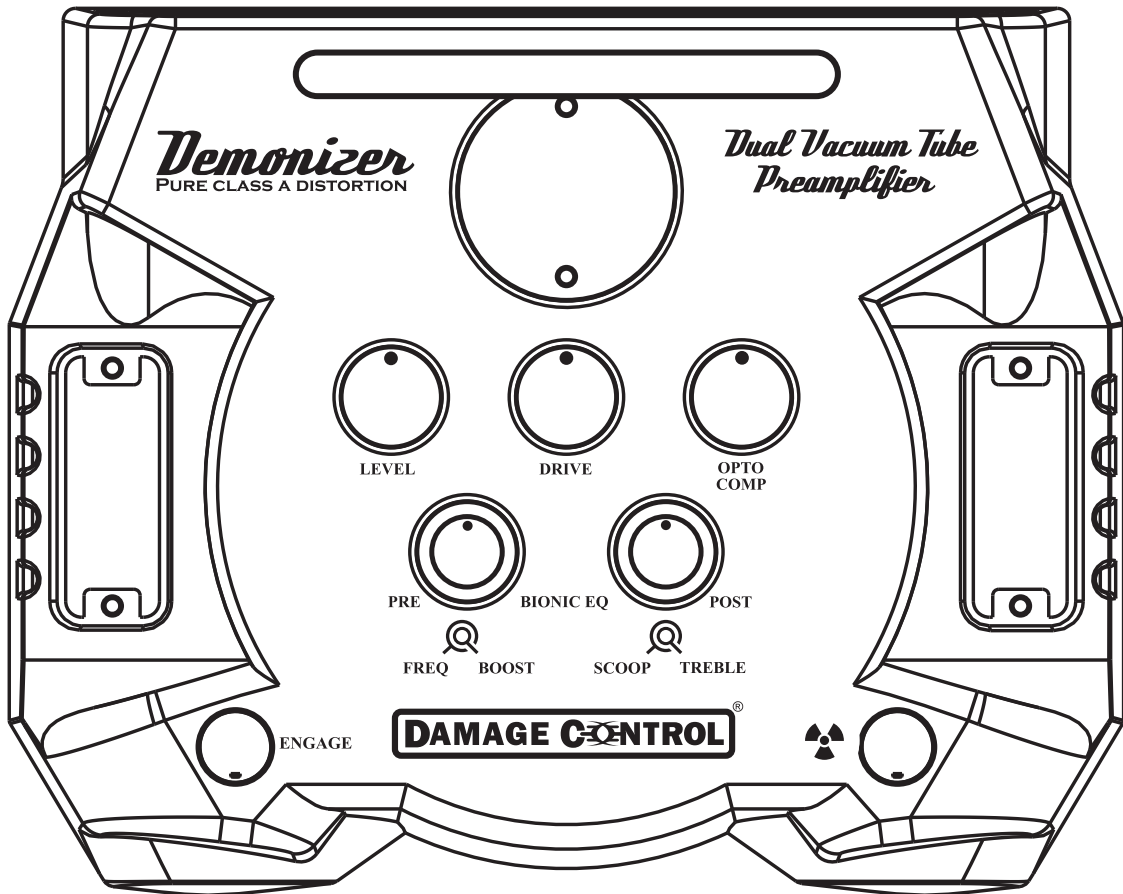


DAMAGE CONTROL[®]



Demonizer
PURE CLASS A DISTORTION

*Dual Vacuum Tube
Preamplifier*

Demonizer Manual Table of Contents

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Introduction

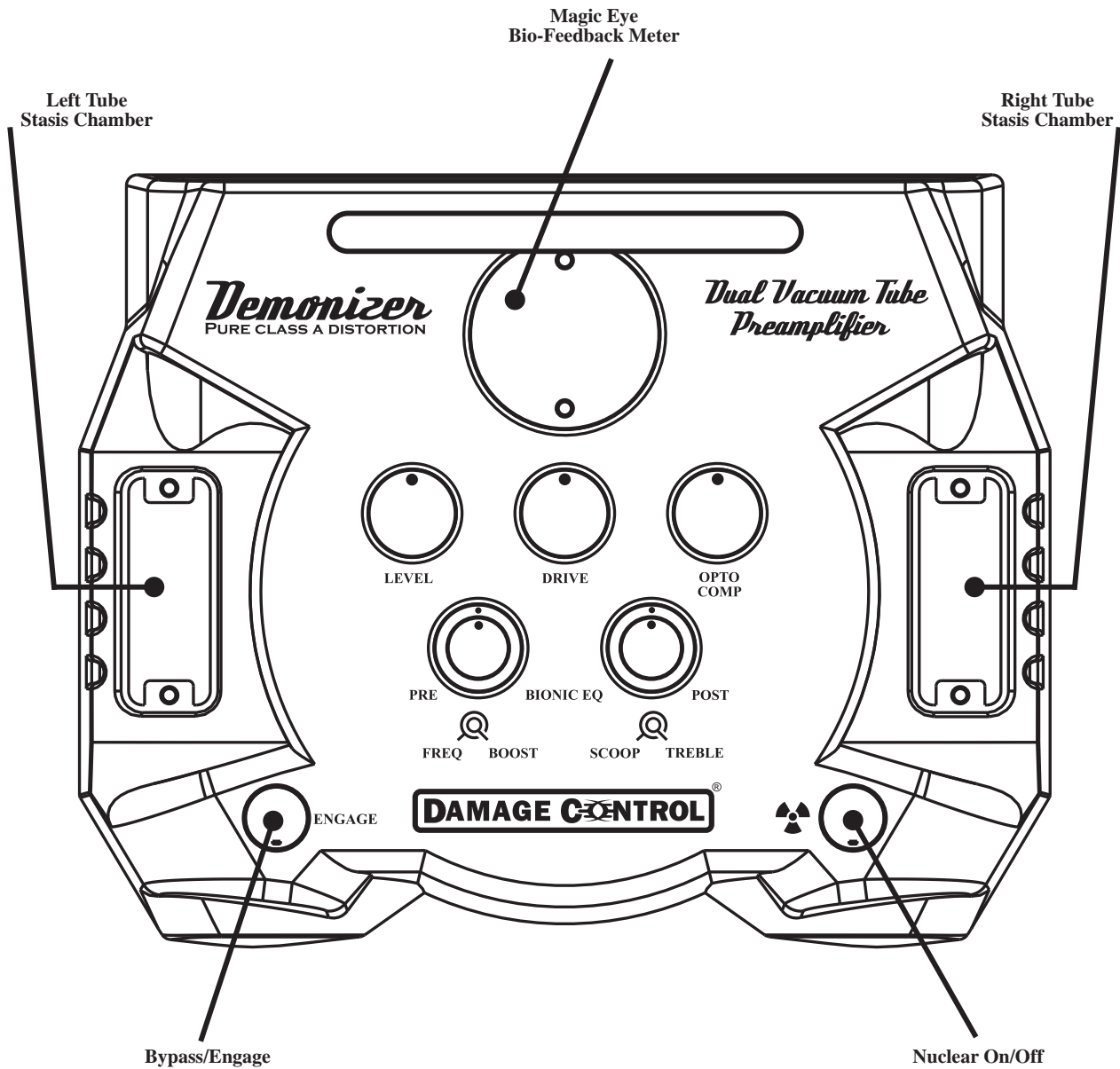
Thank you for purchasing a Damage Control Demonizer. Our goal is to provide musicians with premium, no-compromise tools that inspire musical performance and creativity. We are confident that you will find our products to be of lasting value.

The Demonizer specializes in producing modern ultra-high-gain tones with plenty of tight, responsive bass. Two cascading gain stages provide huge amounts of tube-saturated distortion, followed by a proprietary tube output stage that reponds like a tube power amp, providing you with not only the sound, but the all-important *feel* of a great tube amp. The powerful EQ sections allow you to shape the frequency spectrum before the gain stages, as well as after, letting you change the feel and character of the tones to suit your needs. The Demonizer provides an opto-compressor comparable to those found in high-end studio racks for further adjusting the dynamics of the gain stages, while Nuclear mode adds a footswitchable gain boost to allow for more gain on demand. Although the Demonizer can turn any amp into a high-gain tone-machine, it can also clean up and add compression and versatile EQ to any sound. Additionally, the advanced all-analog speaker-compensated Direct Out gives you access to hassle-free superior-quality direct tones.

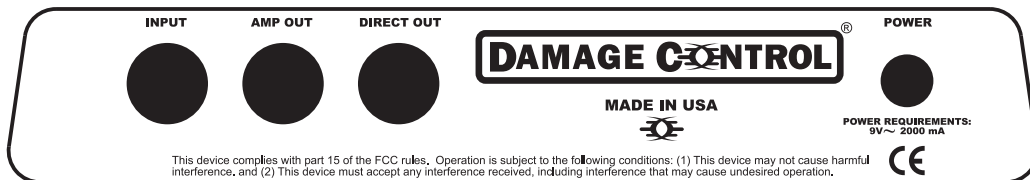
Precautions

- The Demonizer's tube circuits run at dangerous internal voltages. Never remove the back panel of the unit. There are no user serviceable parts inside.
- Use only with the supplied AC power adapter.
- Avoid spilling liquids into the unit.
- Do not expose the unit to excessive heat, moisture or direct sunlight.
- Refer all service and repairs to a qualified certified technician.
- Unplug unit when not is use.

LINE DRAWING AND FEATURES



REAR I/O



KNOBS

Level – adjusts the signal output level of the Amp Out and Direct Out signals.

Drive – adjusts the amount of tube drive. At low levels, clean tones can be achieved. Gain increases smoothly as you turn the knob clockwise to high-gain tones.

Opto Comp – adjusts the amount of input signal compression from no compression to a maximum compression of 20dB. The opto-compressor circuit in the Demonizer produces high quality optical compression comparable to high-end standalone units.

Pre EQ - adjusts the frequency content of the signal delivered to the input tube stage. The inner knob varies the shape of the filter, ranging from a 6dB cut at the CCW position, to a 14dB boost at the CW position. The outer knob adjusts the frequency of the filter, from 200 Hz to 1200 Hz.

Post EQ - adjusts the frequency content of the signal after the tube gain stages. The outer Post EQ control allows you to select a scoop frequency from 500 Hz to 2.2 KHz. The inner knob is an active treble control providing a boost/cut of +15/-20dB,

FOOTSWITCHES

Engage – toggles the Demonizer from TRUE BYPASS to ON. The Demonizer will pass the input signal to the output jack with no power supplied to the pedal, due to the TRUE BYPASS nature of the circuit.

Nuclear – adds 20dB of gain to the Demonizer's tube gain stages.

TOP PANEL INDICATORS

Magic Eye – input meter has a soothing swirling pattern and responds to the input signal level, changing its colors and patterns.

Left Tube Stasis Chamber – Indicates the state of the Demonizer. The chamber glows GREEN when the pedal is in BYPASS. When ENAGAGED, the Chamber glows to match the color of the NUCLEAR state - ORANGE when NUCLEAR OFF, and RED when NUCLEAR ON.

Right Tube Stasis Chamber – Indicates the state of the NUCLEAR switch. The chamber glows orange when NUCLEAR is OFF, and RED when NUCLEAR is ON

BACK PANEL JACKS

Input – Connect your guitar here.

Amplifier Out –Connect to guitar amplifier input, or power amp input.

Direct Out – Connect to console or full-range system. This output employs an advanced 14th order analog network to reproduce the sound and feel of a professionally mic'd 4x12 closed-back cabinet for direct recording. The 100% analog signal path allows a superb direct tone without sonic compromise Note that when the Demonizer is in TRUE BYPASS, no signal will appear at the Direct Out jack.

Power – Connect only the supplied Damage Control AC adapter to power the Demonizer.

Tips for Setting the Demonizer's Controls

Since the tone of your guitar amplifier will shape the overall sound, the PRE/POST EQ sections of the Demonizer were designed to be extremely versatile and wide-ranging. Typically, the Demonizer will work with an amplifier's clean channel to provide a variety of tones ranging from clean to ultra-high-gain. The Demonizer can also be used as a preamp straight into a power amp, using its powerful tone-shaping abilities to provide a high-quality tube front end.

Setting the OPTO COMP control

The OPTO COMP sets the level and dynamics of the signal being sent to the tube stages in the Demonizer. Low levels of compression allow for maximum touch sensitivity with lower overall gain. High levels of compression provide a hotter and more constant signal to the tubes, which creates a smoother, higher gain signal with increased sustain.

Setting the PRE EQ tone controls

The PRE EQ sets the character of the overdrive in the Demonizer. By varying the boost level of a wide range of frequencies, you can vary the harmonic content that will clip first, giving you the ability to tailor the dynamic response to suit your needs. For a more saturated sound, try boosting the higher frequencies. To fatten up a lead tone, try boosting lower frequencies. For a cleaner overdrive, set the boost control CCW.

Setting the DRIVE control

As described above, the overall gain is influenced by the OPTO COMP and PRE EQ settings in conjunction with the DRIVE control. As you adjust the OPTO COMP or PRE EQ, you may want to adjust the DRIVE accordingly. The Demonizer is capable of clean sounds as well as massive distortion.

Setting the POST EQ tone controls

The POST EQ provides a huge palette of tones to allow you to dial in your sound. The scoop knob lets you set the tone to cut through the mix with plenty of highs and lows. The active treble control gives a generous range of cut and boost, so no matter how you set your amp, you can get tailor the high end to your liking. For fatter tones, set the scoop knob towards the CCW position. You may want to adjust the TREBLE control as you change the SCOOP frequency to keep the overall high end where you want it.

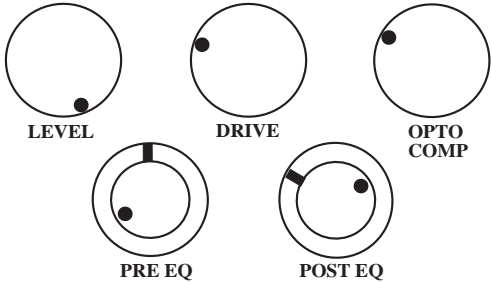
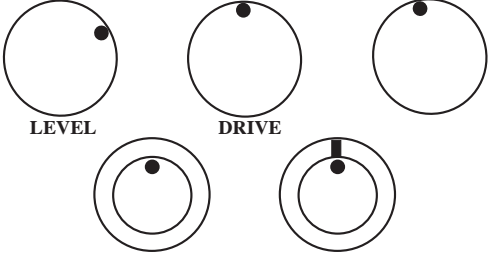
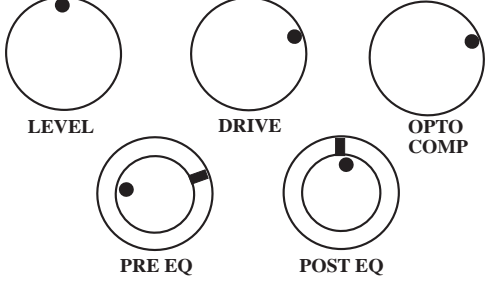
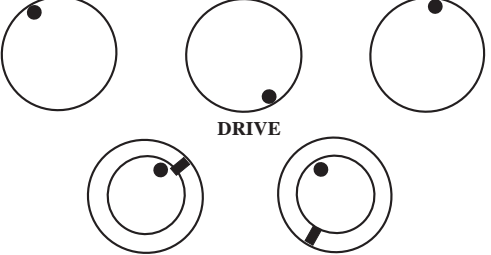
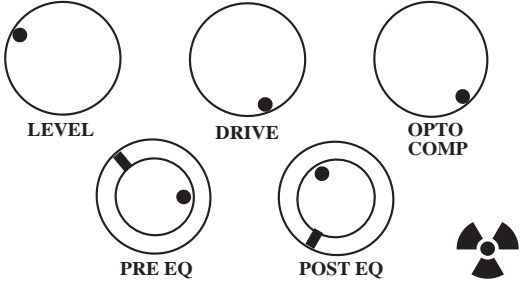
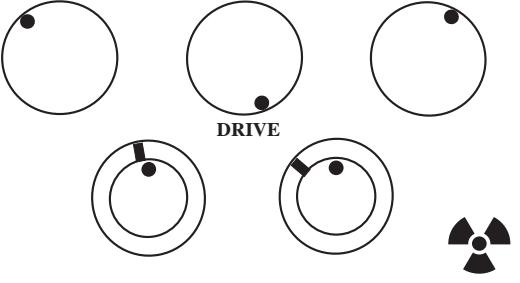
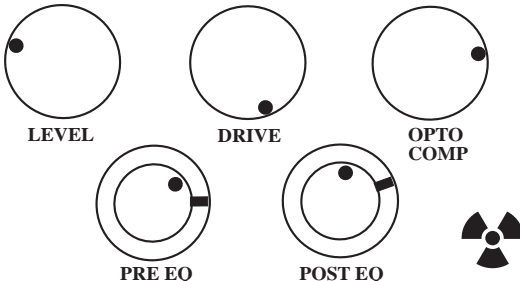
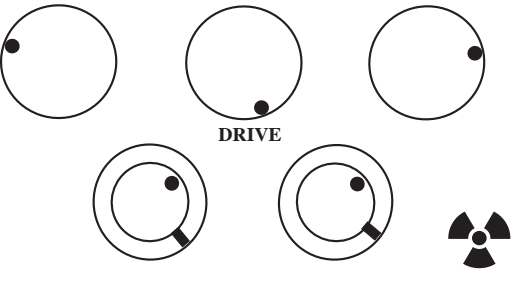
Setting the LEVEL control

The Demonizer is capable of providing large signal levels to your amplifier, so start with the LEVEL control down, and bring it up to the desired volume. You can achieve tonal variations by driving the input of your amplifier with different levels from the Demonizer.

Demonizer Sample Settings

The following sample settings were made with the Demonizer in front of an open-back 1-12 combo amp with the amp's clean channel controls set for a warm and broad tone. Use the POST EQ controls as the first step in adjusting the tones to suit your own amp setup. Experiment to find your sound.

 DENOTES NUCLEAR MODE

<p>Bright and Clean</p> 	<p>Mild Clipping</p> 
<p>Classic Rock</p> 	<p>Hard Rock</p> 
<p>Heavy</p> 	<p>Aggressive</p> 
<p>Angry</p> 	<p>Industrial</p> 

User Setting Templates

NAME _____

LEVEL DRIVE OPTO COMP

PRE EQ POST EQ OFF ON

NAME _____

LEVEL DRIVE OPTO COMP

PRE EQ POST EQ OFF ON

NAME _____

LEVEL DRIVE OPTO COMP

PRE EQ POST EQ OFF ON

NAME _____

LEVEL DRIVE OPTO COMP

PRE EQ POST EQ OFF ON

NAME _____

LEVEL DRIVE OPTO COMP

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User Setting Templates


NAME _____

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LEVEL DRIVE OPTO COMP

PRE EQ POST EQ  OFF ON


NAME _____

LEVEL DRIVE OPTO COMP

PRE EQ POST EQ  OFF ON

NAME _____

LEVEL DRIVE OPTO COMP

PRE EQ POST EQ  OFF ON

Technical Specifications

Nominal Input Impedance:	1 Meg ohm
Nominal Output Impedance (Amp Out):.....	100 ohm
Nominal Output Impedance (Direct Out):.....	100 ohm
Maximum Output Signal Level (Amp Out, EQ flat):.....	0 dBv
Maximum Output Signal Level (Direct Out, EQ flat):.....	0 dBv
Power Requirements:.....	9V AC, 2000mA
Dimensions:.....	9 x 7.3 x 3.3 inches
Weight:.....	3.7 lbs

Warranty Information

Your Demonizer is warranted to be free of defects in materials and workmanship for a period of one year from the date of purchase. The tubes are warranted for a period of ninety days from the date of purchase. Please register your product through our website. If you need to return your unit for repair, please contact us through our website, www.damagecontrolusa.com/contact.html, for Return Authorization and information.



DAMAGE CONTROL NON-TRANSFERABLE LIMITED WARRANTY
KEEP THIS DOCUMENT IN A SAFE PLACE

Customer Name: _____
Date of Purchase: _____
Purchased from: _____
Serial Number: _____

WARRANTY

Damage Control Engineering, LLC warrants the product to be free from defects in material and workmanship for a period of one (1) year from the original date of purchase. The tubes are warranted for a period of ninety (90) days from the original date of purchase. If the product fails within the warranty period, Damage Control Engineering, LLC will repair or, at our discretion, replace the product at no cost to the original purchaser.

EXCLUSIONS

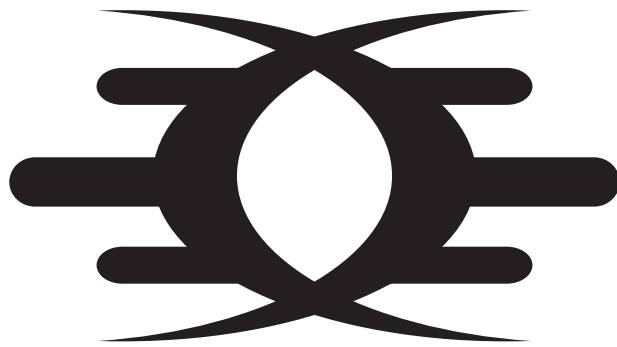
This warranty covers defects in manufacturing discovered while using this product as recommended by Damage Control Engineering, LLC. This warranty does not cover loss or theft, nor does the coverage extend to damage caused by misuse, abuse, unauthorized modification, improper storage, lightning, or natural disasters.

LIMITS OF LIABILITY

In the case of malfunction, the purchaser's sole recourse shall be repair or replacement, as described in the preceding paragraphs. Damage Control Engineering, LLC will not be held liable to any party for damages that result from the failure of this product. Damages excluded include, but are not limited to, the following: lost profits, lost savings, damage to other equipment, and incidental or consequential damages arising from the use, or inability to use this product. In no event will Damage Control Engineering, LLC be liable for more than the amount of the purchase price, not to exceed the current retail price of the product. Damage Control Engineering, LLC disclaims any other warranties, express or implied. By using the product, the user accepts all terms herein.

HOW TO OBTAIN SERVICE UNDER THIS WARRANTY

Contact Damage Control through our website at www.damagecontrolusa.com for Return Authorization and information. Proof of original ownership may be required in the form of receipt from an authorized dealer



DAMAGE CONTROL[®]

www.damagecontrolusa.com