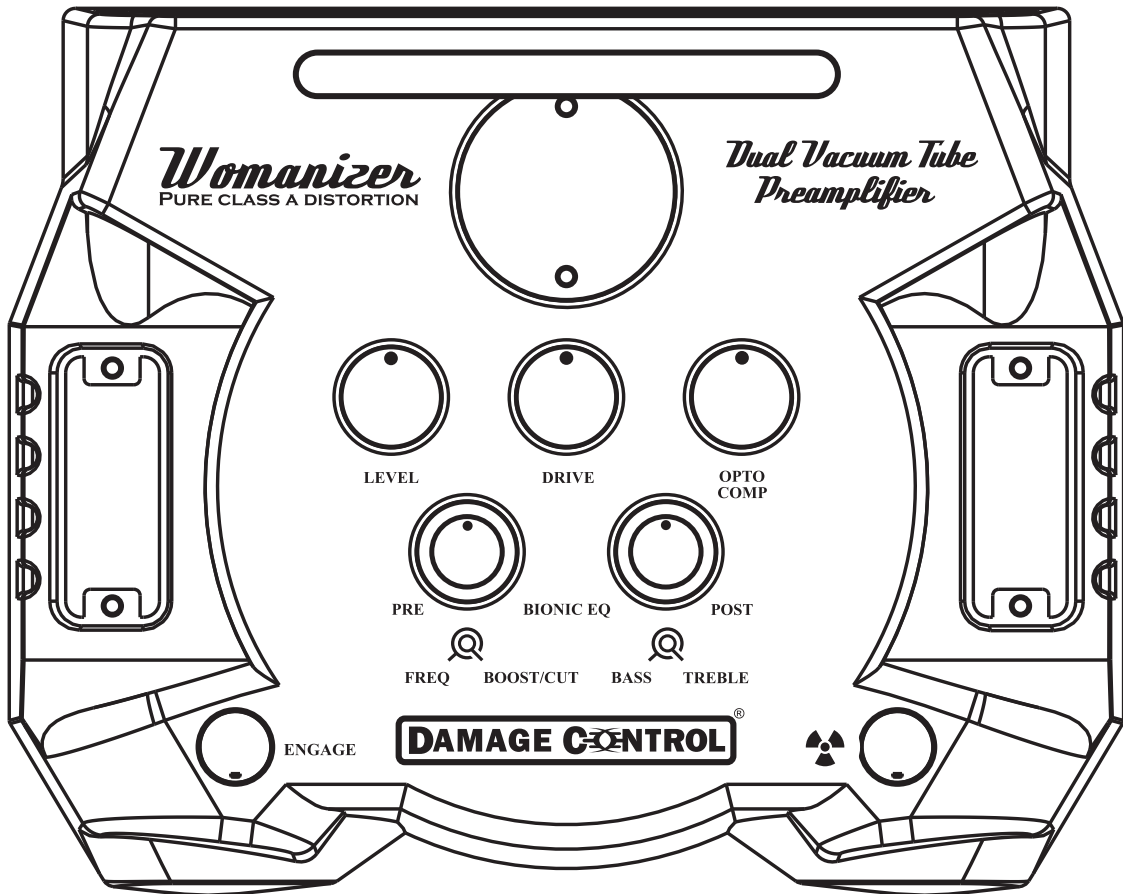


DAMAGE CONTROL[®]



Womanizer
PURE CLASS A DISTORTION

*Dual Vacuum Tube
Preamplifier*

Womanizer Manual Table of Contents

Introduction	3
Precautions.....	3
Line Drawing and Features	4
Knobs.....	5
Footswitches.....	5
Top Panel Indicators.....	5
Back Panel Jacks	5
Tips for Setting the Womanizer’s Controls.....	6
Womanizer Sample Settings for Amplifier Out.....	7
Womanizer Sample Settings for Direct Out.....	8
User Setting Templates.....	9
Technical Specifications.....	10
Warranty Information	10
Damage Control Non-Transferable Limited Warranty.....	11

Introduction

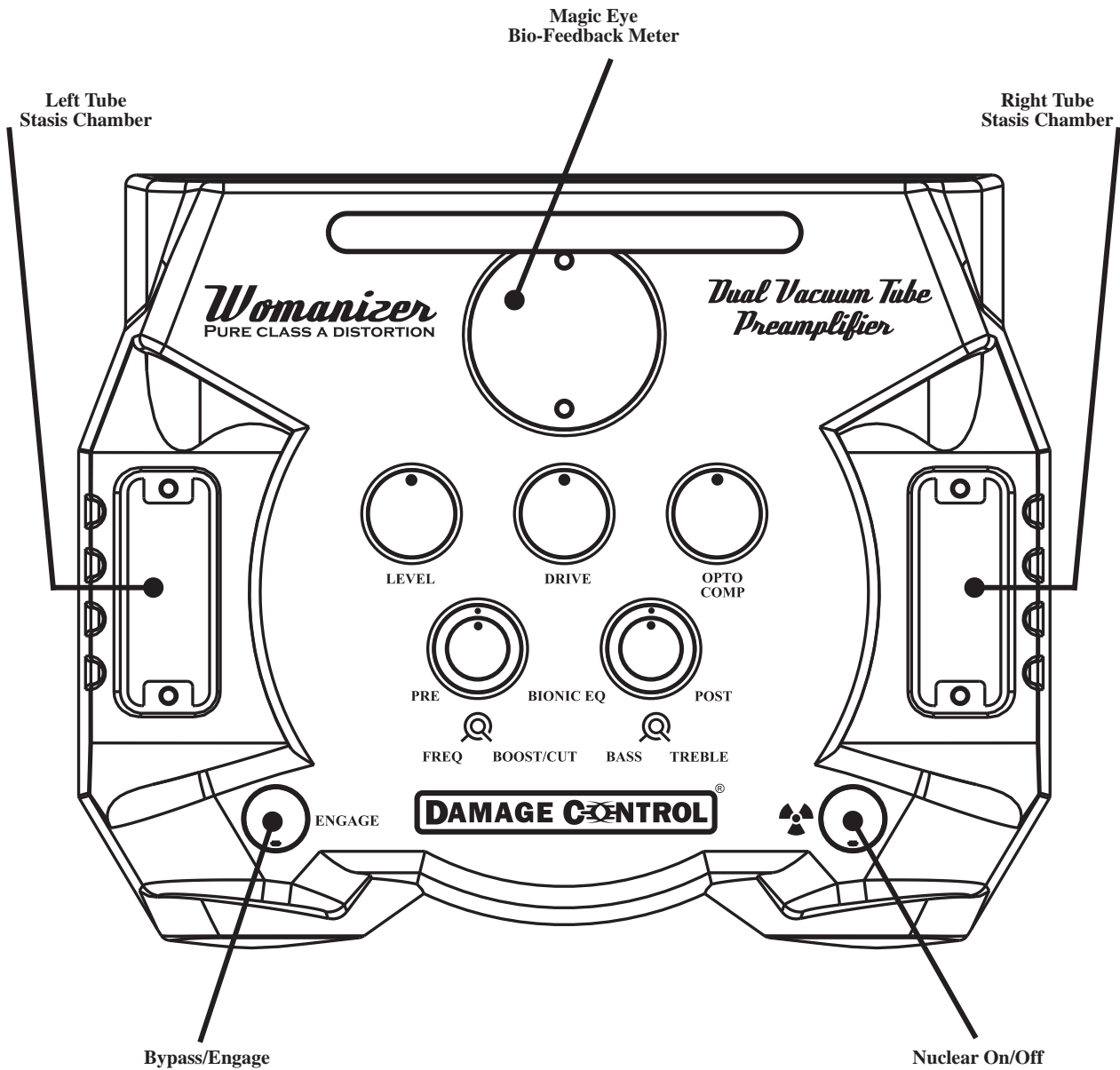
Thank you for purchasing a Damage Control Womanizer. Our goal is to provide musicians with premium, no-compromise tools that inspire musical performance and creativity. We are confident that you will find our products to be of lasting value.

The Womanizer embodies a broad range of tones coveted by generations of rock and blues guitarists. The Class A distortion circuits in the Womanizer employ four cascading stages of high-voltage pure-tube overdrive. The powerful EQ sections allow you to shape the frequency spectrum before the gain stages, as well as after, allowing for a versatility in sound ranging from the earliest American tube-amp tones, to the heavy sounds made famous by British amps. Additionally, the Womanizer 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. In front of any amplifier, the Womanizer will add the responsiveness and dynamics found only in the pure tube classics that shaped the sound of rock and roll. To top it all off, the advanced speaker-compensated Direct Out allows you to capture this tone direct to tape with no hassles.

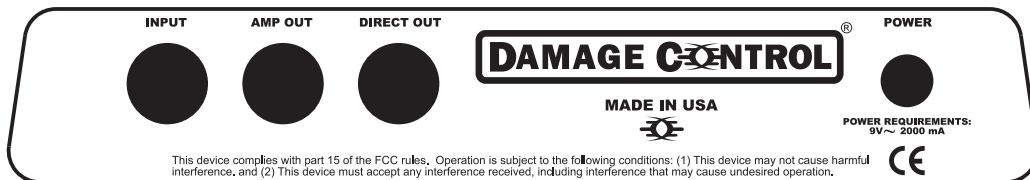
Precautions

- The Womanizer’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 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 signal compression from no compression to a maximum compression of 20dB. The opto-compressor circuit in the Womanizer 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 20dB cut at the CCW position, to FLAT at the center to a 20dB boost at the CW position. The outer knob adjusts the frequency of the filter, from 200 Hz to 800 Hz. Note that the frequency adjustment will have no effect on the sound when the Boost/Cut is set to flat (center).

Post EQ - adjusts the frequency content of the signal after the tube gain stages. The Post EQ filter is an active BASS/TREBLE control. The outer knob varies the BASS level, ranging from a 20dB cut at the CCW position, to a 20dB boost at the CW position. The inner knob varies the TREBLE level, ranging from a 20dB cut at the CCW position, to a 20dB boost at the CW position.

Footswitches

Engage – toggles the Womanizer from TRUE BYPASS to ON. The Womanizer 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 14dB of gain to the Womanizer'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 Womanizer. 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 of a professionally mic'd 1x12 open-back cabinet for direct recording. The 100% analog signal path allows a superb direct-recorded tone without sonic compromise. The Direct Output can be used simultaneously with the Amplifier Output. Note that when the Womanizer 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 Womanizer's Controls

Since the tone of your guitar amplifier will shape the overall sound, the PRE/POST EQ sections of the Womanizer were designed to be extremely versatile and wide-ranging. This allows you to set the tone of your amplifier as you normally would, knowing that the Womanizer has the flexibility to provide the tone you're looking for in conjunction with your amp. Typically, the Womanizer will work with an amplifier's clean channel to provide a variety of tones. The Womanizer 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. Womanizer is also very adept at providing a signal boost and drive for higher gain amplifier settings to allow for a more saturated amplifier overdrive.

Setting the OPTO COMP control

The OPTO COMP sets the level and dynamics of the signal being sent to the tube stages in the Womanizer. 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 Womanizer. By allowing for boost or cut of varying MID frequencies, many classic tones can be obtained. For lower gain settings that typify earlier American amps, the PRE EQ is usually set to cut some amount of mid frequencies, resulting in a 'cleaner' overdrive tone – great for blues and single-coil tones. For thicker, meatier British overdrive tones, mid frequencies are typically boosted, allowing the tubes to overdrive more easily. Varying the frequency of the boost or cut changes the coloration of the sound, allowing you to dial in precisely the tone you're looking for.

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 make changes to the OPTO COMP or PRE EQ, you may want to adjust the DRIVE control accordingly.

Setting the POST EQ tone controls

The POST EQ is essential for setting the Womanizer's tone to work with your amp's clean tone. If you like your amp's clean tone to be bright and full, then you may want to reduce the BASS and TREBLE levels on the Womanizer. Conversely if your clean tone is fat and warm, you may want to increase the TREBLE control on the Womanizer as needed. When using the Womanizer as a preamp in front of a power amp, the POST EQ is your main BASS and TREBLE adjustment.

Setting the LEVEL control

The Womanizer 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 Womanizer.

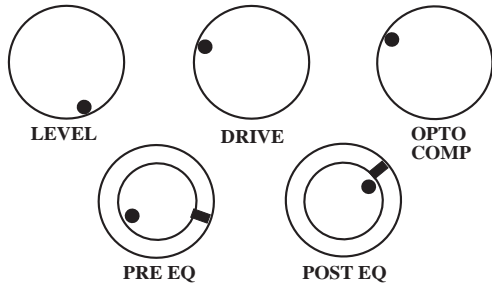
Womanizer Sample Settings for Amplifier Out

The following sample settings were made with the Womanizer 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.

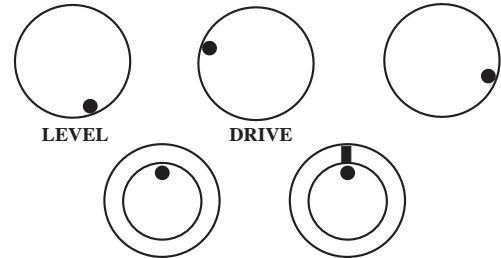


DENOTES NUCLEAR MODE

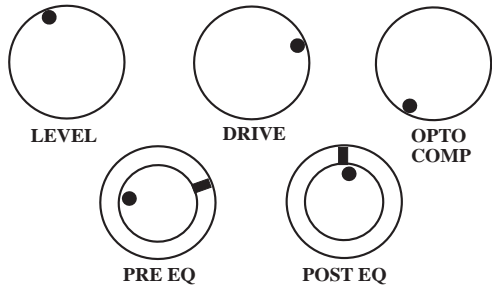
Bright and Clean



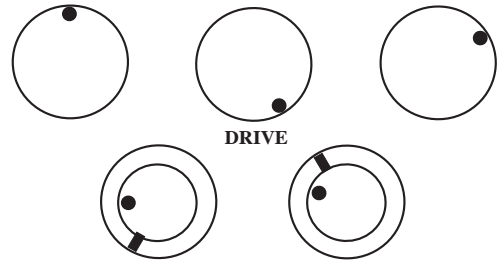
Clean Compressed Boost



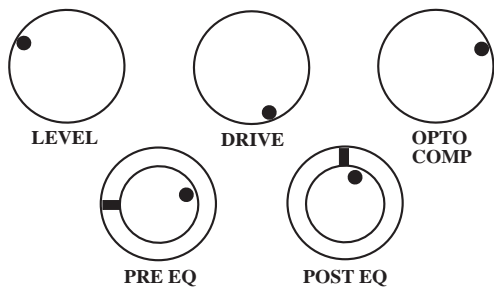
Mild Dynamic Clipping



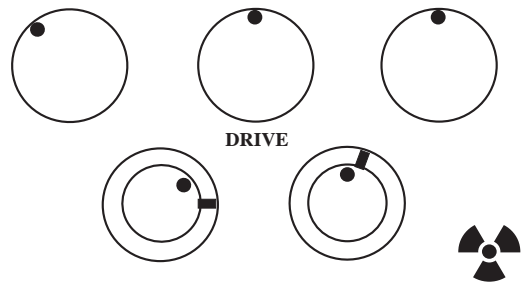
Green Driver



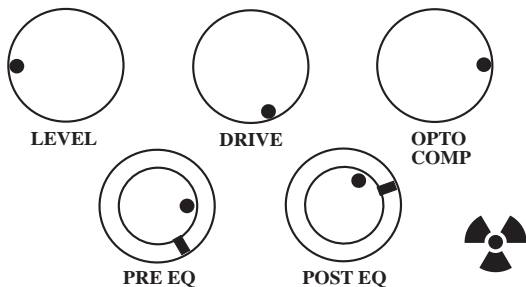
Biting Blues Lead



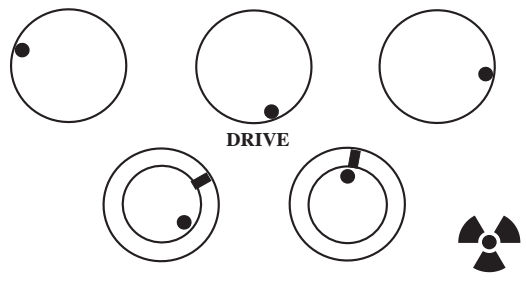
70's Rock



Heavy Rock



Heavy WAH Tone



Womanizer Sample Settings for Direct Recording

The following sample settings were made with the Womanizer's Direct Out going into a console with EQ settings flat. The POST EQ settings work in conjunction with the speaker compensation in the Womanizer to provide a vibrant, dynamic direct tone.




DENOTES NUCLEAR MODE

<p>Bright and Clean DIRECT</p>	<p>Clean Compressed DIRECT</p>
<p>Dynamic Top Clip DIRECT</p>	<p>Smooth Drive DIRECT</p>
<p>Bluesy Rock Lead DIRECT</p>	<p>Classic Rock DIRECT</p>
<p>Heavy Rock DIRECT</p>	<p>Heavy WAH Tone DIRECT</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

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

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 Womanizer 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