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BASIC OPERATION AND SAFETY

1. Connect to an industry standard 9 Volt DC power supply! Incorrect voltage and AC power supplies will damage your pedal and void the manufacturer's warranty! We also recommend using our Malekko 9 Volt Wall Wart, available through our website.
2. Do not use this apparatus near water.
3. Clean only with dry cloth.
4. Do not block any ventilation openings. Install in accordance with the manufacturer's instructions.
5. Do not install near any heat sources such as radiators, heat registers, stoves, or other apparatus (including amplifiers) that produce heat.
6. Protect the power cord from being walked on or pinched particularly at plugs, convenience receptacles, and the point where they exit from the apparatus.
7. Unplug this apparatus during lightning storms or when unused for long periods of time.
8. No user serviceable parts inside. Refer all servicing to qualified service personnel. Servicing is required when the apparatus has been damaged in any way, such as power-supply cord or plug is damaged, liquid has been spilled or objects have fallen into the apparatus, the apparatus has been exposed to rain or moisture, does not operate normally, or has been dropped.
9. **WARNING:** To reduce the risk of fire or electric shock, do not expose this apparatus to rain or moisture.
10. Refer to labels on the unit, including bottom cover, or other markings and pertinent information.



DESCRIPTION

DOWNER combines the power of wavefolding or saturation, pitch shifting down to one octave, and both high-pass and low-pass filters all in one compact pedal design with just 6 knobs. The PREAMP drives the Saturation or Wavefolding from subtle to extreme. The BLEND control adjusts the Dry/DOWN balance from 100% Dry to 100% DOWN. The High Pass and Low Pass filters allow for sculpting the perfect tone. Add the ability to assign an expression pedal to your own combinations and settings within these features and in one sweep, you can dial your tone from classic, heavy fuzz to screaming experimental madness!

Features include:

- Saturation or Wavefolding
- Control over Down function (detune to full octave down)
- Control over Down blend (up to 100%)
- Separate High and Low-pass filtering
- Preamp level control
- Assignable expression pedal/cv control to any combination of all parameters and settings



OVERVIEW

SATURATION / WAVEFOLDING:

Choose between Saturation (distortion) or Wavefolding (distortion w/extreme harmonics). Sets overall output level of either effect. 0 represents no output level.

HI PASS:

Set to max CCW for zero filtering.

DOWN:

Downward pitch shift CCW to one octave.

LO PASS:

Set to max CW for zero filtering.

BLEND:

Adds DOWN amount to output. Set to max CW for 100% DOWN. Set to max CCW for 0% DOWN.

PREAMP:

Input gain control. PREAMP amount will modify effect response and affect output level.

LEDs:

Effect on/off
Input clipping

OUTPUT JACK:

1/4" mono out.

9vDC JACK:

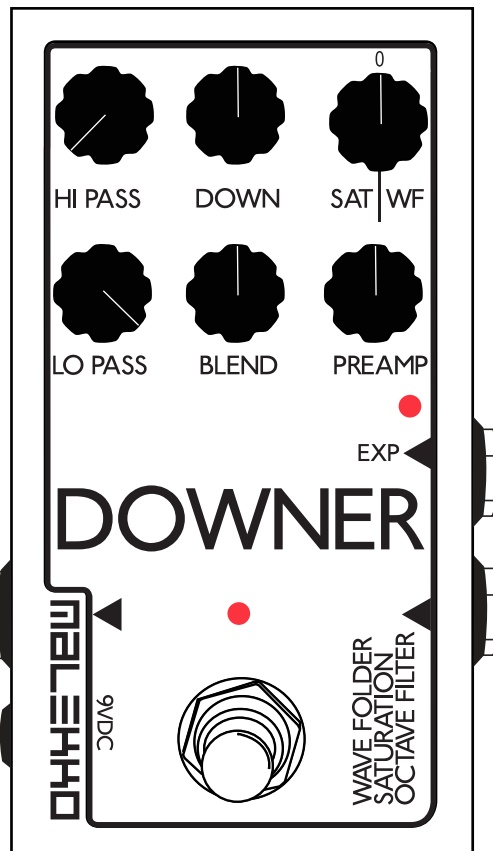
Standard neg-tip 2.5mm barrel connector

EXPRESSION/CV INPUT JACK:

Expression pedal input for remote control of any combination of parameters. Both positive or negative sweep can be assigned simultaneously. CV input will also control all parameters.

INPUT JACK

1/4" mono in.

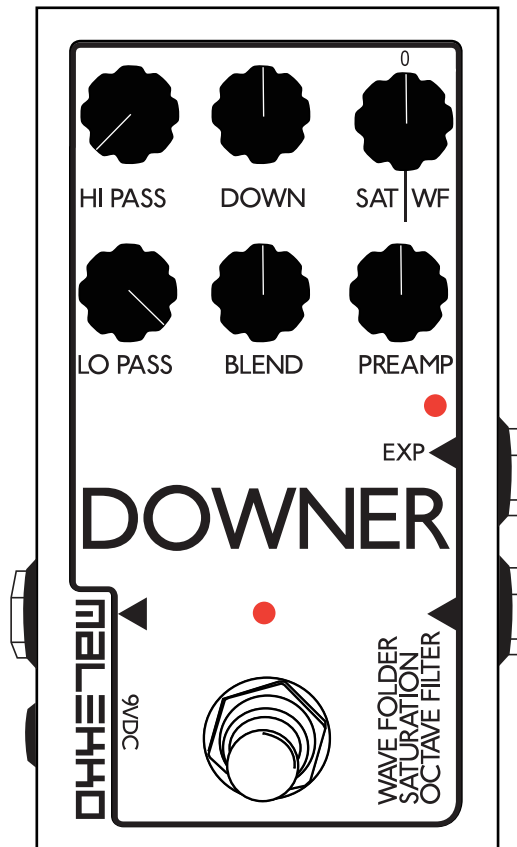




EXPRESSION PEDAL AND CV CONTROL

1. With the effect on, hold down the stomp switch.
2. While holding the stomp switch down, turn any (or a combination of all) of the following controllable effect knobs: SATURATION/WAVEFOLDING, DOWN, HI PASS, LO PASS, BLEND, and PREAMP. This will activate assignment to expression or cv control. You must turn a selected knob completely left to activate a clockwise sweep or all the way right to activate a counterclockwise sweep.
3. Release the stomp and now the assignment has been made; this assignment will stay that way until you change it, regardless of unplugging the power or not. Your expression pedal or cv input will now adjust the selected controls.
4. You can define the range of the effect assigned to the EXP/CV control by changing the knob setting. FOR INSTANCE: Starting at 12 o'clock, setting the knob counterclockwise (anticlockwise) to 7 o'clock will give you maximum positive sweep for that effect. Or setting the knob clockwise to 2 o'clock will give you less overall negative sweep range for that effect.
5. A SETTING EXAMPLE: Hold down the stomp switch and turn the DOWN knob from a 12 o'clock position counterclockwise to the left. Release the stomp switch. Now your expression pedal will control the pitch shift, from zero to full (1 octave). Turning the DOWN knob setting toward 12 o'clock will now reduce the overall range of the EXP/CV sweep.

For a clockwise expression pedal or CV controlled sweep, turn knob all the way left while holding down the stomp switch. After the turn is made, release the stomp switch.



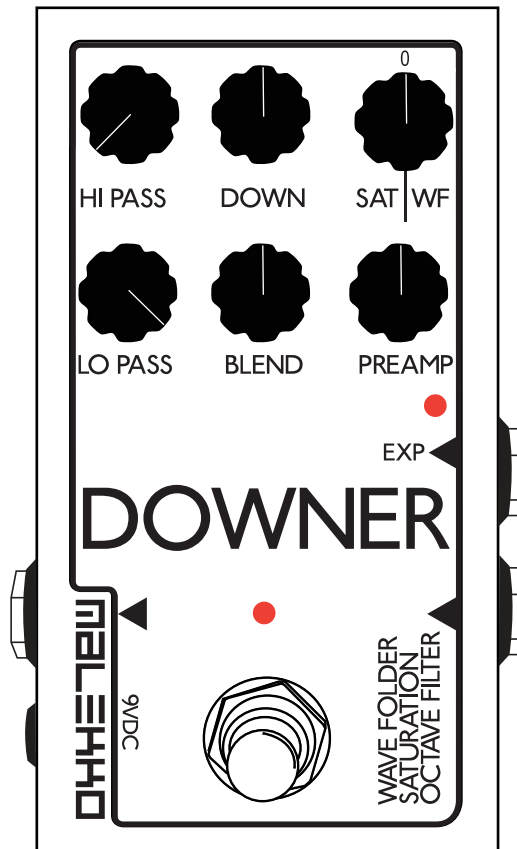
For a counterclockwise expression pedal or CV controlled sweep, turn knob all the way right while holding down the stomp switch. After the turn is made, release the stomp switch.



REMOVING EXPRESSION PEDAL AND CV CONTROL ASSIGNMENT

1. Hold down the stomp switch.
2. With the stomp down, sweep the knob with the assigned setting all the way CCW then set to 12 o'clock.
3. Release the stomp. Now that parameter is no longer assigned to the EXP/CV control and it is in manual mode.

NOTE: Unplugging the EXP/CV input will put the pedal in manual mode, but the assignments remain until you zero them out.





WARRANTY

This product is covered by the Malekko Heavy Industry warranty, for one year following the date of purchase. This warranty covers any defect in the manufacturing of this product. This warranty does not cover any damage or malfunction caused by incorrect use – such as, but not limited to, power cables connected backwards, excessive voltage levels, or exposure to extreme temperature or moisture levels. The warranty covers replacement or repair, as decided by Malekko Heavy Industry. Please visit our website malekkoheavyindustry.com to obtain full warranty information and to register your product for coverage.