



ALPHA·OMEGA ULTRA V2  
(AUX-IN)  
USER MANUAL



ALPHA-OMEGA ULTRA  
DARKGLASS ELECTRONICS - MADE IN FINLAND

DISTOR

GROWL

2500 Hz

5000 Hz

10 kHz

BOOST

CLASS D/A

# Alpha·Omega Ultra V2 (AUX-IN)

Analog tone, digital precision.

The Alpha·Omega Ultra is the most versatile bass preamplifier we've designed: With its two distinct distortion circuits (Alpha and Omega), extremely high dynamic range, six-band active graphic EQ, dedicated headphone output and balanced direct output with switchable digital impulse-response cabinet emulation make for an incredibly complete tool for the modern bass player.

## Warning

The Alpha·Omega Ultra has a current draw of 130mA. Only use a regulated 9V DC adapter with a center-negative plug. Due to ecological reasons, it does not accept batteries. Unregulated power supplies and/or higher voltages may result in suboptimal noise performance and even damage your unit, voiding the warranty

## Warranty

To activate the warranty, we encourage you to register your product on: <http://mypedal.darkglass.com> and enter the serial number on the back of your pedal.

Please contact us via email [support@darkglass.com](mailto:support@darkglass.com) before shipping a product to us.

## Controls

**Blend:** Mixes the clean and processed signals. The clean signal remains at unity gain while the volume of the overdriven signal is set by the Level knob, allowing for fine mix tuning.

**Level:** Sets the volume of the overdriven signal.

**Drive:** Sets the amount of gain in the overdriven signal.

**Bite:** Boosts High Mids (2.8kHz) for additional presence and definition.

**Growl:** Shelving Bass Boost for a fatter tone and increased low end saturation.

**Mod:** Selects or mixes between the two distinct distortion circuits: Alpha is punchy, tight with a lot of definition, whereas Omega is simply brutal and raw. On the Darkglass Suite you can assign footswitch control of the Mod to toggle between Alpha and Omega.

**Master:** Whereas the Level knob control the output of the overdrive section the Master volume adjusts the overall volume of the unit. Ideal for fine tuning the output on clean mode. It also serves as a DI and headphone volume control. Please note that volume is not affected by this control when the pedal is on bypass.

**Bass:** Low shelf  $\pm 12\text{dB}$  @ 80 Hz

**Mid bands:**  $\pm 10\text{dB}$  @ 250 Hz, 500 Hz, 1.5 kHz, 3 kHz

**Treble:** High shelf  $\pm 12\text{dB}$  @ 5 kHz

**Direct Output:** Balanced XLR output for connecting the pedal to a microphone preamp, PA system, etc.

**Ground lift:** Disconnects the signal ground on the Direct Output to break any ground loops. Set this switch to either position that has less noise. The switch does not affect the ¼" output.

**Cab Sim:** Toggle the cabinet simulation on/off on the Direct Output. This switch completely bypasses all digital circuits and allows you to get a zero latency signal when needed.

**Headphones:** Alpha-Omega Ultra has a digitally controlled headphone amplifier with a 3.5mm stereo jack output. Digital volume control is available in Darkglass Suite.

Headphone volume can be controlled directly on the pedal with the master volume control when the preamp is enabled. When the pedal is on bypass, the master volume does not affect the headphone volume. On bypass the volume has to be adjusted in Darkglass Suite.

With sensitive headphones, the bypass volume can be very loud if not adjusted!

**USB:** A Micro USB B connector allows you to connect the pedal to PC/Mac to load cabinet simulation impulse responses to the pedal and control various other settings.

Download the free Darkglass Suite software from [www.darkglass.com/suite](http://www.darkglass.com/suite) to configure the pedal, load new impulses and download firmware updates.

## Technical Specifications

Single user loadable cabinet simulation impulse response

- Maximum impulse length 21 ms
- 48 kHz, 16-bit internal processing
- 1.6 ms latency
- 92 dB dynamic range

Micro-USB B port to connect to PC/Mac

3.5mm headphone output with cabinet simulation:

- 16 Ohm minimum load.
- 50 mW output power at 16 Ohms.
- 30 mW output power at 32 Ohms.

Balanced XLR output with switchable cabinet simulation and switchable ground lift.

Input Impedance	1M
Output Impedance	1k
Current Consumption	~ 130 mA
Voltage	9V DC (Center Negative)

### Dimensions

Width	125 mm (4.92 in)
Height	96 mm (3.77 in)
Depth	57 mm (2.24 in)
Weight	430 gr (0.94 lb)

## **Darkglass Suite**

Download the free Darkglass Suite software from [www.darkglass.com/suite](http://www.darkglass.com/suite) to configure the pedal, load new impulses and download firmware updates. Darkglass Suite comes with a selection of cabinet IRs made by some of our artists. It also allows you to load your own IRs in WAV and AIFF formats and organize your IR files. See the online manual of Darkglass Suite for more information.

## **Disclaimer**

In the interest of continuous improvement, specifications are subject to change without notice. If you have any questions, please don't hesitate to contact us at [support@darkglass.com](mailto:support@darkglass.com)

The manufacturer claims that the above product fulfills the requirements as set by EN55013, EN55020, EN60555-2, EN60555-3, RoHS, WEEE.

## **EMC / EMI**

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 residential installations.

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



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