



MICROTUBES B7K ULTRA V2 W/ AUX IN
USER MANUAL



D1STOP

MICROTUBES 87K ULTRA
DARKGLASS ELECTRONICS - MADE IN FINLAND

Microtubes B7K Ultra

Absolute Control

The ability to interact between a clean modern sound and obliterating distortions is what distinguishes the B7K Ultra from all other pedals. It features all the versatility and sonic possibilities from the acclaimed B7K, but with more options and controls.

Warning

The Microtubes B7K Ultra has a current draw of 120mA. 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 before shipping a product to us.

Controls

Master: Whereas the Level Knob controls 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 level control

Blend: Mixes the clean input signal with the overdriven signal. The clean signal remains at unity gain while the volume of the overdriven signal is set by the Level knob, allowing for fine control of the blend ratio.

Level: Sets the volume of the overdriven signal.

Drive: Sets the amount of saturation in the overdriven signal.

Attack Switch: Sets the amount of treble content to saturate: The "Boost" setting emphasizes the treble content extra clarity and presence. The "Flat" position leaves this register untouched while the "Cut" position will reduce the amount of high frequencies being saturated.

Grunt Switch: Sets the amount of low frequency content to saturate by selecting between three different bass boost levels before the clipping stage.

Bass: +-12dB @ 100Hz | **Lo Mids:** +-12dB switchable 250Hz, 500Hz and 1kHz | **Hi Mids:** +-12dB switchable 750Hz, 1.5KHz and 3kHz | **Treble:** +-12dB @ 5kHz

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: Microtubes B7K 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!

Aux In: This 3.5mm stereo input allows you to practice with backing tracks from e.g. your smartphone or laptop. Auxiliary input can only be used with the headphone output. The pedal does not control the level, it must be set from your audio source. Remember to always first set the level low before connecting anything to the aux in!

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.

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.

3.5mm stereo auxiliary input.

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

Input impedance: 1M ohm

Output impedance: 1k ohm

Power supply: 9V DC center negative

DC current consumption 120 mA

Dimensions

Width	125 mm (4.92 in)
Height	96 mm (3.77 in)
Depth	57 mm (2.24 in)

Weight 430 g (0.94 lb)

Darkglass Suite

Download the free Darkglass Suite software from 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

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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