

# UNOBTANIUM RAW

Unobtanium was inspired by 3 of the most mythical and sought-after pieces of music gear and combines their ultra-rare sonic elements. A magical tone overdrive meets two legendary amps. We have accurately recreated the circuit of the high headroom OVERDRIVE with the mystical blend of clean and overdriven tones. The RAW edition is the first pedal of its kind to feature germanium transistors in the clipping section of a K-style circuit producing higher gain, naturally compressed tones. RAW AMP section uses an all-analog circuit to capture the powerful side of two legendary tube amplifiers. From big fat clean to raw singing overdrive with blooming harmonic overtones. A passive effects loop gives you the option to connect your beloved pedals between your overdrive and amps in a box, building your ideal rig.

Controls:

## OVERDRIVE

**gain:** Controls the amount of drive. From transparent clean to high headroom thick overdrive as you turn clockwise.

**treble:** Controls the amount of high end frequencies, brighter as you turn clockwise.

**volume:** Controls the output volume. Features enormous amounts of output volume making it ideal to also be used as a preamp/booster.

VOICING TOGGLE SWITCH <sup>(1)</sup>:

**stock:** The original mythical drive circuit produced by the fabled germanium diodes.

**OC45:** Higher gain tones produced by New Old Stock Germanium transistors in the clipping section.

**bypass toggle switch:** Select between the original **BUFFER** bypass, adding clarity to your signal chain and running long cables without affecting tone, or **TRUE** bypass via a high quality relay.

## AMP <sup>(2)</sup>

**gain:** Controls the amount of compression/drive. From clean boost to raw singing overdrive.

**emphasis:** Adds gain and adjusts presence and bottom end response before the signal is overdriven. Brighter, tighter and enhanced pick attack as you turn clockwise.

**tone:** Controls the amount of post-overdrive high end frequencies, brighter as you turn clockwise.

**volume:** Controls the output volume. Features enormous amounts of output volume making it ideal to also be used as a preamp/booster.

**voicing toggle switch or external XT footswitch <sup>(3)</sup>:** Select between different amp voicings.

**ODS:** Raw singing overdrive with enhanced mid frequencies and blooming harmonic overtones.

**SSS:** "Clean" drive with natural organic compression.

Internal trimmers:

**ODS BOOST trim:** Add up to extra 6db of output gain / volume boost with a similar effect of pushing the power tubes harder. Only affects ODS voicing.

**SSS LOW trim:** Adjust low end response of SSS voicing.



Connections:

↓/↑: mono instrument input/output.

**SND/RTN:**

Passive series effects loop. Connect your beloved pedals between OVERDRIVE and AMP or use the two sections as separate and independent effects. SND is the output of the OVERDRIVE section, RTN is the input of the AMP section. SND is connected to RTN when no jacks are inserted in the effects loop.

**XT** <sup>(3)</sup> : Connect to an external footswitch to control AMP voicing. Use standard mono instrument cable (TS jack) with Crazy Tube Circuits XT footswitch or a passive latching switch (non-powered). Do not use an active switching circuit as it won't operate properly and can cause malfunction to the pedal.

**Notes:**

<sup>(1)</sup> The sonic difference in voicing is most noticeable in higher gain settings. You may experience a difference in output volume between the two voicings.

<sup>(2)</sup> AMP section is an amp-in-a-box overdrive circuit. It does not feature a power amp or a speaker simulation circuit. It is intended for use with another amp/speaker cabinet. We recommend using a separate speaker simulation device when going direct.

<sup>(3)</sup> External footswitch bypasses onboard voicing toggle switch operation.

Left side's LED turns half red when in ODS voicing.

A barely noticeable momentary pop is perfectly normal when AMP voicing switch changes state.

**Power supply:** 9V DC center negative, regulated / stabilized (not included). Isolated power supply is recommended for best performance. Max current consumption 83mA

**Warning: This unit was designed for 9V DC input only. It features an internal voltage boost. Do not use a higher voltage power supply as it will cause malfunction and void warranty!**

**Warranty: Unobtanium Raw** comes with 5 years warranty from date of manufacture. We will provide service/repair at no cost within 5 years from date of manufacture - buyer is responsible for shipping costs or customs fees and taxes that may apply. This warranty excludes normal cosmetic wear and damages done due to misuse or improper handling.

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