PLASMA COIL LISTING INFO



# SKU INFO

|  |  |
| --- | --- |
| **Product name** | PLASMA Coil |
| **Full name in listings** | Gamechanger Audio Third Man Records Plasma Coil |
| **Manufacturer’s SKU** | GCAPCO |
| **UPC** | 750258555219 |
| **Product category** | Effect Pedals |
| **Manufacturer** | Gamechanger Audio |
| **Made in** | Made in EU, Riga, Latvia |

# PRODUCT PHOTOS AND VIDEOS

Product photos available online:

<https://www.dropbox.com/sh/45ffc4mciymrvju/AACrvLle_iSCEjkiv15QGmgFa/ASSETS%20PLASMA%20COIL/PHOTOS?dl=0&subfolder_nav_tracking=1>

Suggested product videos:

By Gamechanger Audio <https://www.youtube.com/watch?v=W_oMLyxEis8>

By Jack White <https://www.youtube.com/watch?v=uCM__zcakWk>

By Andy Martin <https://www.youtube.com/watch?v=AxMmcFRCHx8>

By Pete Thorn <https://www.youtube.com/watch?v=ZQA7yG1GKpY>

# SHORT PRODUCT DESCRIPTION

Designed together with Jack White and Third Man Records, the PLASMA Coil takes HIGH VOLTAGE DISTORTION to new heights by adding intense, gritty and glitchy octave up and down effects:

* Volume boost;
* 2 subharmonic modes (bitcrush-style octave down);
* 1 upper harmonic mode (Octafuzz-style octave Up);
* 2 mixed modes (upper and lower harmonics combined).

The PLASMA Coil’s octave effects are created by a unique analog circuit designed specifically for driving a high-voltage transformer. The subharmonic modes will add massive low end to higher notes and the Upper Harmonic modes will add fire and razorblades to riffs and low-tuned chords.

The PLASMA Pedal’s BLEND control is removed, so you always are on 100% PLASMA.

The PLASMA Coil is even more grittier than PLASMA Pedal and the added effects make it a very expressive distortion unit.

# PRODUCT DETAILS

User manual: <https://www.gamechangeraudio.com/wp-content/uploads/2019/11/PLASMA_COIL_MANUAL_V2_WEB2.pdf>

Power supply is not included. The PLASMA Coil uses standard 9V DC center negative pedal power supply of at least 250 mA.

The expected life of the xenon tube is 10,000 to 70,000 hours of active playing. The xenon tube is replaceable.

|  |  |
| --- | --- |
| Input Type | 1/4” Unbalanced TS |
| Input Impedance | 1MΩ |
| Max Input Level | 7Vpp (+10dBu) |
| Output Type | 1/4” Unbalanced TS |
| Output Impedance | 100Ω |
| Max Output Level | 7Vpp (+10dBu) |
| Power connector | Center negative 2.1 x 5.5 mm barrel plug (the standard 9V) |
| Frequency Response | 20Hz to 22kHz |
| Controls | True bypass footswitch button, Effect footswitch button Potentiometers: VOLTAGE, VOLUME, LOW FREQ, HI FREQ, Effect Latch toggle switch |
| Indicator | Check indicator white LED |
| Connectors | IN, OUT, DC input |
| Power Requirements | 300mA, 9VDC |
| Peak Power Consumption | 2.7 W |
| Mean Power Consumption | 1 W |
| Power Consumption while silent | 0.025 W |
| Dimensions | LWH 148 x 96 x 70 mm / 5.1 x 3.8 x 2.8 in |
| Weight | 840 g / 1.8 lbs |

# EXTENDED PRODUCT DESCRIPTION

The PLASMA Coil is a version of the PLASMA Pedal designed together with Jack White and Third Man Records.

The PLASMA Coil is a revolutionary way of producing distortion by converting your instrument’s signal into a series of high-voltage plasma discharges in a sealed xenon filled tube.

The result is an incredibly sharp and sizzling overdrive that is extremely clear, responsive, and most importantly fun! This patent-pending technology of high-voltage electric discharge also acts as a natural noise-gating device that creates strong contrasts between staccato notes, as well as eliminating all unwanted noise and pick-up hum. The PLASMA Coil’s electric discharge tube produces beautiful visible bolts of lightning that react to the input signal, thus creating a captivating experience for all players. In essence you are playing a bolt of electricity.

**Effects**

Compared to the regular PLASMA Pedal the Jack White’s version doesn’t have the dry/wet signal blend control, but instead has gritty and glitchy octave up and down effects:

* Volume boost;
* 2 subharmonic modes (bitcrush-style octave down);
* 1 upper harmonic mode (Octafuzz-style octave Up);
* 2 mixed modes (upper and lower harmonics combined).

These effects are toggled with the pedals secondary footswitch which can operate both in latching and momentary modes.

**Unique Harmonic Saturation**

The PLASMA Coil converts your instrument’s signal into a rapid series of electric discharges, which results in a large amount of non-linear harmonic saturation that causes extremely rich and responsive attacks, and brings out screeching sharp overtones and harmonics. These harmonic artefacts, produced as a byproduct of the high voltage discharge are uncommon in traditional signal amplification, and therefore PLASMA Coil’s distortion is unlike anything you have heard before.

**Natural Noise Gate**

As soon as you stop playing the electrical discharge within the gas filled tube is interrupted, and the pedal will not produce any output signal at all. This feature allows you to achieve extreme contrasts between individual notes, by eliminating all of the in-between noises created by the instrument’s pick-ups or by humming strings.

**Extremely Wide EQ**

The PLASMA Coil creates the distortion signal from fluctuations in the electromagnetic field surrounding the xenon gas discharge tube. This allows for a very wide range of frequencies. Boost and cut the lows and highs with the dedicated knobs.