

TECHNICAL SPECIFICATIONS

Dimensions	120x127x52 mm
Weight	470gr. (without battery)
Chassis	Die-cast aluminum
Input impedance	700 kOhm
Output impedance	470 Ohm
Max Gain available	+55dB
Tube type	12AX7/ECC83
Signal switching	True bypass
Power supply/ Power consumption	12Vac/6W (I-assorbed: 0.5A rated, 1A surge)
Power connection	5.5mm socket, 2.5mm tip
Power adapter	12Vac/1A, supplied with Cornucopia pedal



*Finest musical gear
handmade in Italy*



www.tefivintagelab.it

CORNUCOPIA Operating Manual

Tefi Vintage Lab is pleased to welcome you to our family. We hope you enjoy using our new tube overdrive Cornucopia. Feel free to get in touch for any suggestions or clarifications as to how you might best use the effect. Play music and enjoy using our products!

Cornucopia - Tube overdrive

Color, presence, musicality: these are the most important features of the renewed Cornucopia tube overdrive. Transferring the real tube sound inside a stompbox is not at all easy; overall sound performance is due to the synergy between each section of the circuit. Noise, background hum and performance degradation can quickly surface when even a small part of the design process is not carefully checked. The Cornucopia tube overdrive is the result of years spent improving the design and engineering of our products. It is through this rigorous approach that the 12AX7 tube can provide the best sound performan-

ce, symbolized by the Cornucopia in the hands of the God Tiberinus. The strong personality of the 12AX7, controlled and regulated by original J-FET circuits, provides a "tube colored" tone even through transistor amplifiers, making Cornucopia into a clean boost. For this reason, we think of Cornucopia more as a miniature preamplifier, to be positioned in front of amplifiers that need a warmer sound, rather than as a simple overdrive pedal. The "BIAS" command improves the 12AX7 tube's versatility, moving from a sweet and creamy overdrive to a more dirty and asymmetrical distortion, but maintaining musicality, in accordance with the most important rule of all TEFI Vintage Lab designs.

CONNECTION AND USE

- **Connecting to instrument and amplifier/gear:** connect your instrument (or gear effects chain) to the Input jack on the pedal's upper-right side with a 6.3mm Jack instrument cable. Connect the output jack on the pedal's upper-left side to an amplifier (or to the next effects in your chain) with a 6.3mm Jack instrument cable.
- **Power supply operating:** connect the dedicated power adapter (12Vac 1A, supplied with pedal) to the 5.5mm power connector between the audio Jack connectors. Plugging the power adapter into a 230Vca mains will cause the porthole window on the tube to light up.
- **Tube replacing:** The 12AX7 tube installed inside Cornucopia is carefully selected by TEFI Vintage Lab for best performance results in its circuit design and does not require maintenance. However, if a replacement tube is required, first disconnect the power adapter from the mains supply. Carefully pull out the tube socket support base from the vertical guide and gently remove the 12AX7 from its socket.

CAUTION!



- **Other power supply adapters can cause damage or malfunction to Cornucopia.**
- **Do not touch internal parts with power supply connected and in use. Risk of electric shock! Disconnect power adapter from mains before removing the bottom cover.**
- **TEFI Vintage Lab is not responsible for damage or injury caused by anyone ignoring of the above warnings.**

CONTROLS AND FUNCTIONS

Cornucopia uses a dedicated circuit designed by TEFI Vintage Lab that drives the 12AX7 to obtain sonic results similar to those of a tube preamplifier. It is possible to get a good dynamic overdrive sound without having to set an excessive volume level on the guitar amplifier to obtain the complete tube sound potential, particularly loved by those who play Blues and Hard Rock.

GAIN: ranges from clean boost to light crunch. Rotating CW you will obtain the pedal's characteristic powerful overdrive.

VOLUME: sets the volume level post distortion. It can be used in conjunction with the Gain control to obtain the overall desired output level.

CONTOUR: regulates the general tonal balance in a wide frequency range. Turning fully CCW produces a warmer sound to compensate the response of bright and trebly amplifiers. Rotating CW gives more presence and lows, without affecting the bass response.

Toggle switch "Soft Bias/Hard Bias": this selects the settings (Bias) of the 12AX7, giving different sonic results. Set "Soft Bias" to obtain a sweet creamy overdrive between clean and gentle saturation. Turn to "Hard Bias" and you get more fuzzy and angry saturation, similar to the typical Hard Rock sounds of the 70s.

TEFI Vintage Lab invites you to activate the warranty within 10 days of the purchase of the product. It is necessary to connect to our website www.tefivintage.com and, on the page describing your product, fill in the required form in the "register product" section. TEFI Vintage Lab products are covered by a 5-year warranty. If the user finds an anomaly due to component defects and erroneous assembly, please contact us by sending an e-mail to info@tefivintage.com, describing the problem encountered in detail and the circumstances in which it was verified.

In compliance with the regulations defined in the following clauses, TEFI Vintage Lab undertakes to repair the instrument with no additional costs.

1. Warranty is valid for 5 years. Does not include parts subject to wear such as jacks, switches, potentiometers, dip-switches, 9V battery clip or 9V battery holder, nor does it include aesthetic parts such as knobs.
2. Warranty does not extend to damage caused by inexperience or negligence in the use of the effects pedal, or bad/neglected maintenance.
3. TEFI Vintage Lab undertakes to replace at its own discretion the malfunctioning or incorrect manufacturing parts, only after a careful check and verification of bad construction.
4. In the presence of incorrect use of the warranty, shipping costs will be charged to the user.
5. During the warranty period, the replaced parts/products become the property of the manufacturer.
6. This warranty is only valid for the original purchaser who has followed the normal maintenance instructions described in this manual. Our warranty liability expires at the moment the original owner surrenders ownership of the product, or modifications are made to it.
7. Warranty does not include damage caused by excessive stress, such as the use of the product after the detection of an anomaly, the use of inappropriate methods of operation, as well as the failure to observe use and maintenance instructions.
8. The manufacturer assumes no responsibility for any difficulties that may arise in resale or use abroad due to the provisions in force in the country where the product was sold.
9. The product part of the defective unit must be delivered to TEFI Vintage Lab for replacement, otherwise the replaced part will be charged to the buyer.
10. Any product repair or modification by the user or by companies not authorized by TEFI Vintage Lab will invalidate the warranty.

EU DIRECTIVE AND DISPOSAL

TEFI Vintage Lab products are designed to comply with the standards laid down by EU directives regarding safety and the environment. Pursuant to Legislative Decree No. 49 of March 14, 2004 "Implementation of Directive 2012/19/EU on waste electrical and electronic equipment (RAEE)".

The crossed-bin symbol indicates that the product, at the end of its useful life, must be separately collected from other waste.

The user must therefore confer the equipment with the essential components at the end of their life to the appropriate collection centers for electrical and electronic waste.

