

## COMPLIANCE

This device complies with Industry Canada license-exempt RSS  
CAN ICES-003 (B) / NMB-003 (B)

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This device complies with Part 15 of the FCC Rules.

Operation is subject to the following two conditions:

- (1) This device may not cause harmful interference, and
- (2) This device must accept any interference received, including interference that may cause undesired operation.

Unauthorized changes or modification to this system can void the users authority to operate this equipment.

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 a residential installation. 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.



**CAUTION! RISK OF ELECTRIC SHOCK.  
DO NOT OPEN THE ENCLOSURE.**



## WARRANTY

All Tubesteader pedals are warrantied to be free from defects in parts and craftsmanship for 5 years from the original date of purchase.

The external hardware, such as pots, switches and jacks are warrantied to be free from defects for a period of 1 year from the date of purchase.

The tubes are covered for a period of 30 days from receipt of the pedal.

### EXCLUSIONS:

- Damage caused by accident, abuse, modification, improper use.
- Cosmetic wear and tear of the enclosure and external hardware.
- Shipping costs.

The Tubesteader will repair or replace, at our discretion, the product under the warranty at no cost to the original owner. For any warranty or repair inquiries, please contact [support@tubesteader.com](mailto:support@tubesteader.com)  
Returns are accepted within 7 days from the date of receiving your order. To qualify for return the product has to be in "new" condition, in the original packaging and perfect working order.

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Tubesteader reserves the right to make changes and improvements in designs & dimensions without notice.



## MANUAL v1.1



### ALL-TUBE DUAL CHANNEL GUITAR PREAMP

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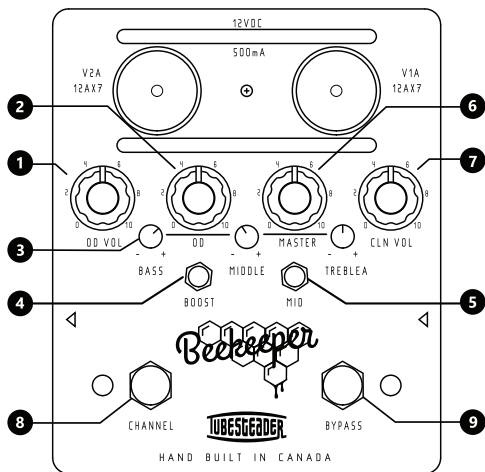
Congratulations on your purchase and thank you for supporting us! You rock!

### INTRODUCTION

The Beekeeper is a handbuilt guitar preamp in a pedal, featuring two vacuum tubes running at high voltage. Its design is based on the famous ODS circuit, usually associated with the signature sound of many legendary guitar players.

As a result, the Beekeeper is having a sparkling clean tone, which is gradually pushed into the smooth, rich and touch-sensitive overdrive as you crank up the gain.

## CONTROLS



- 1 OD VOL ----- Volume of the OD channel
- 2 OD ----- Gain of the OD channel
- 3 BASS, MIDDLE, TREBLE ----- Interactive 3-band EQ
- 4 BOOST ----- Gain boost by partial bypass of EQ
- 5 MID ----- Midrange boost
- 6 MASTER ----- Overall output level
- 7 CLN VOL ----- Volume of the clean channel
- 8 CHANNEL ----- CLN/OD footswitch with bi-colored light
- 9 BYPASS ----- True bypass footswitch w/status light

## SPECIFICATIONS

**Input Impedance :** 1M

**Output Impedance :** < 10K

**Power requirements :** 12VDC @ 500mA

**Power connector :** barrel 2.1mm, center tip negative

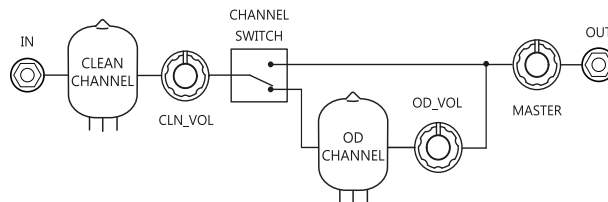
**Enclosure :** Die-cast aluminum

**Size :** 4.7"x5.7"x1.38" (120mm x 145mm x 35mm)

**Weight :** 1.7 lbs (800 gr.)

The topology of the Beekeeper consists of the two cascading channels, "stacked" on top of each other. So the "CLN" channel is also a part of the "OD" channel, and the amount of the overdrive can be managed not only using the OD control but also through effective use of the CLN\_VOL control.

The drawing below represents a block diagram



The EQ and the toggle switches are located within the Clean channel, right after the first gain stage, so they are affecting both Clean and OD channels at the same time.

## CIRCUIT

## CONNECTIVITY

### CONNECTING THE BEEKEEPER:

There are several ways to integrate the Beekeeper into the signal chain:

- 1 in-line with the other effect pedals.
- Place the Beekeeper after all the distortion and gain-altering effects and before the modulation and reverb effects.
- 2 into the regular input of an amp.
- 3 directly into a power amp or FX-return input.
- Since the levels and impedances of the FX-returns are different from one amp to another, the sound results may vary.
- 4 into the mixing console or recording interface.

We suggest to connect the Beekeeper via a hardware or software IR/cabsim modeler.

**To prevent malfunction and equipment failure,  
always turn down the volume before making any connections.**

The Beekeeper is coming with a pair of non-matched 12AX7 vacuum tubes. V1 tube is responsible for amplifying the Clean channel, and V2 - for the OD channel. To explore additional tonal possibilities, the stock tubes can be swapped with equivalent preamp tubes from the other brands.

Powering up from a cold state, please allow the Beekeeper to warm-up for a few minutes before playing, to extend the life of the tubes.

## TUBES