

COMPLIANCE

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

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 warranted 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 warranted 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. 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.

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



MANUAL v1.1

DUAL CHANNEL TUBE PREAMP



Congratulations on your purchase and thank you for supporting us!

INTRODUCTION

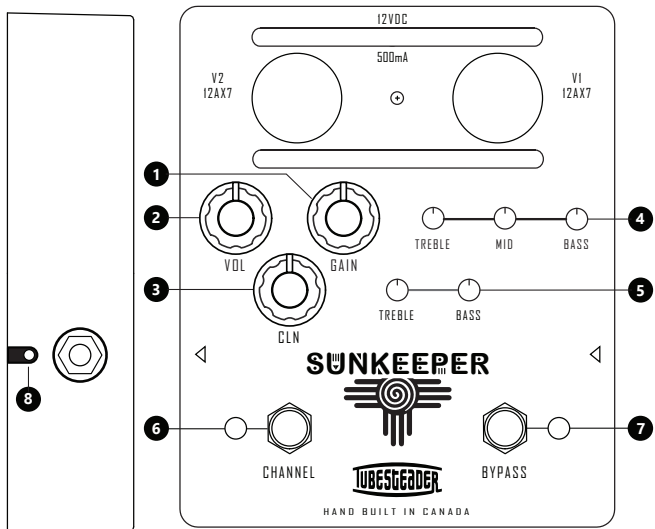
The Sunkeeper is a dual-channel tube preamp inspired by the distinctive sound of the Orange amps.

This is an extremely versatile sound machine that easily swaps from blues and classic rock tones such as Zeppelin and Sabbath, all the way to the modern progressive metal styles.

The clean channel has a sparkling and chimy tone, voiced for rock ballads or intros with plenty of clean headroom on offer. The dirty channel can do anything from light grit to massive, saturated fuzz with almost infinite sustain.

The Sunkeeper has a pure tube signal path. A pair of full-sized 12AX7 operate at the proper high voltage (around 260VDC) to provide the feel and response of a true tube amplifier.

CONTROLS



- 1 **GAIN** ----- OD channel gain level
- 2 **VOL** ----- OD channel volume level
- 3 **CLN** ----- Clean channel volume level
- 4 **BASS, MID, TREBLE** ----- OD channel 3-band EQ
- 5 **BASS, TREBLE** ----- Clean channel 2-band EQ
- 6 **CHANNEL** --- CLN/OD footswitch with bi-colored status light
- 7 **BYPASS** ----- True bypass footswitch with a status light
- 8 **OUT LVL** ----- Output level switch

SPECIFICATIONS

Input Impedance: 1MΩ

Vacuum Tubes: ECC83/12AX7 x 2

Power: 12VDC @ 500mA, power adapter supplied

Power connector: barrel 2.1mm, center negative

Enclosure: Die-cast aluminum

Size: 4.7" x 5.7" (120mm x 145mm)

Height: 2.75" (70mm) including tube protectors

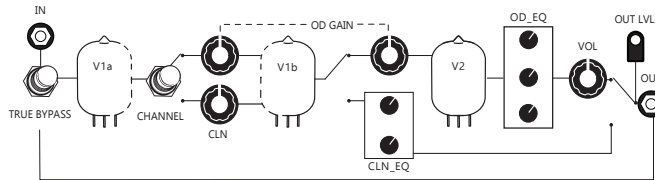
Weight: 1.6 lbs (800 gr.)

The CLN channel features a non-master volume circuit and provides volume, treble, and bass controls.

The OD channel has volume, gain, and bass, middle, and treble EQ controls. Both channels are fully independent of each other, allowing you to dial in a vast range of tones with just about any guitar.

The side-mounted OUT LVL switch offers two output options: a full output for connection to a power amp and an attenuated output with slight high-cut for connection to the front of an amp.

The drawing below represents a block diagram



CIRCUIT

CONNECTIVITY

CONNECT THE SUNKEEPER:

1 INTO THE FRONT OF A GUITAR AMP

Flip the OUT LVL switch down to engage the attenuation mode. Adjust the amp's tone control(s) to flat or centered. Let the Sunkeeper handle EQ and Gain preferences. The Sunkeeper may be chained with other pedals. Where there are no rules, we suggest running overdrive or distortion pedals in front of the Sunkeeper with ambient and modulation devices behind it.

2 DIRECTLY INTO A POWER AMP or powered speaker.

Flip the OUT LVL switch up to enable full output mode.

3 INTO FX-RETURN JACK

Since the FX-loop circuits differ between amp models, the choice of output level will depend on your amp.

4 INTO A MIXING CONSOLE OR RECORDING INTERFACE

Flip the OUT LVL switch down to engage the attenuation mode.

We suggest to use an IR/Cabinet simulator for this type of connection.

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

The Sunkeeper comes with a pair of 12AX7 vacuum tubes installed.

To explore additional tonal possibilities, the stock tubes can be swapped with equivalent preamp tubes from other brands.

When powering up from a cold state, please allow the Sunkeeper to warm-up a few minutes before playing. The tubes run warm to the touch under normal operation.

TUBES