

## 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 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](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 v1.0



## TUBE BOOSTER / LIGHT OVERDRIVE

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Congratulations on your purchase and thank you for supporting us!

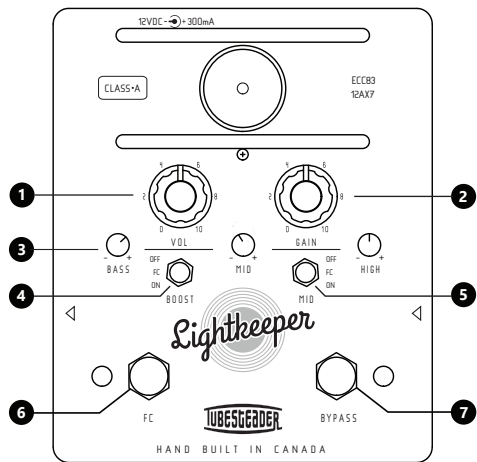
### INTRODUCTION

The Lightkeeper is a tube based, all-analog boost/overdrive pedal, designed to deliver that 'tube-feel' to any amp, house system, or recording interface. Inspired by Dumble's legendary clean channel sound with lush dynamics and touch-sensitive sound we crave. It's a portable tone palette that's perfect for enhancing the flat-sounding amps or tucking in your case for jam sessions.

Sculpt your base tone from crisp clean to an edge of breakup while reserving the footswitch boost/mid-punch for solos, thanks to the 3-way Mid and Boost footswitchable controls.

The Lightkeeper operates as a pure analog, Class A audio pre-amp offering high fidelity sound without semi-conductor or DSP in the signal path. It features a genuine ECC83/12AX7 vacuum tube operating at 250VDC high voltage and delivers a warm, rich tone with gentle and natural compression.

## CONTROLS



- 1 VOL ----- Output volume
- 2 GAIN ----- Amount of signal driving a 2nd gain stage
- 3 BASS, MIDDLE, TREBLE ----- 3-band interactive EQ
- 4 BOOST ----- Gain boost, partially bypassing the EQ
- 5 MID ----- Midrange shift
- 6 FC ----- Foot Control of MID/BOOST toggles
- 7 BYPASS ----- True bypass footswitch w/status light

## SPECIFICATIONS

**Input Impedance:** 1M

**Output Impedance :** < 10K

**Vacuum Tube:** ECC83/12AX7

**Power:** 12VDC @ 300mA (min.), power adapter supplied

**Power connector:** barrel 2.1mm, center negative  $\ominus \oplus$

**Enclosure:** Die-cast aluminum

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

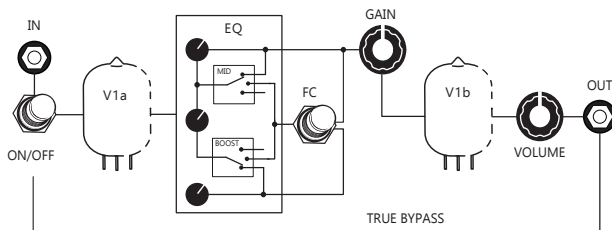
**Height:** 2.75" (70mm) including tube protectors

**Weight:** 1.6 lbs (700 gr.)

The figure below represents a block diagram

The 3-band controls of the EQ are interactive and also affect the gain levels – just like in a tube amp.

Note the optional footswitch control over the Mid and Boost toggle switches. When the lever is in the middle position, switching the Mid-shift, Boost, or both switches together is made by the panel-mounted footswitch, marked FC (Foot Control).



## SIGNAL PATH

## CONNECTIVITY

### CONNECT THE LIGHTKEEPER:

- 1 As a pedal plugged into the input of a guitar amp.  
Set the amp volume to normal listening level. Adjust the amp's tone control(s) to flat or centered. Let the Lightkeeper handle EQ and Gain preferences. The Lightkeeper may be chained with other pedals. Where there are no rules, we suggest running overdrive or distortion pedals in front of the Lightkeeper with ambient and modulation devices behind it.
- 2 Run directly into a power amp or powered speaker.
- 3 Lightkeeper Output to an Amp FX-return Input.  
Since the FX-return circuits differ between amp models, your overall levels and sound results may vary.
- 4 Straight into a mixing console or recording interface.  
We suggest to combine the Lightkeeper with an IR/Cabinet sim for recording.

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

The Lightkeeper ships with an ECC83/12AX7 vacuum tube installed. To explore additional tonal possibilities, the stock tube can be swapped with equivalent preamp tubes from other brands. When powering up from a cold state, please allow the Lightkeeper to warm-up a few minutes before playing. The tube runs warm to the touch under normal operation.

## TUBES