

# THE LIGHT

## Instrument Sanitizer

### The User Manual

#### THE SILVERSTEIN LIGHT

Cleaning a musical instrument can be difficult and inconvenient for woodwind and brass instrument players. Most musicians use different methods of wiping, but real health concerns come from germs that cannot be seen with the naked eye in hard-to-reach corners of an instrument. The build-up of germs can be detrimental to a musician's health and respiratory system.

The Silverstein Light is ergonomically designed to sanitize mouthpieces, instruments, and reeds with the use of ultraviolet and ozone technology. The Silverstein Light has been lab tested against various strains of bacteria and infection-causing microbes that when left unattended can lead to a variety of health concerns. The Silverstein Light is 99.9% effective against several notable infections, including:

- **Escherichia coli (E. coli)** – can cause food poisoning and gastroenteritis
- **Staphylococcus aureus** – can cause Staph infections, skin infections, respiratory disease, and food poisoning
- **Klebsiella pneumoniae** – can cause destructive changes to lungs via inflammation and hemorrhaging, notably causing pneumonia, bronchitis, and respiratory disease
- **MRSA** – classified as antibiotic-resistant Staphylococcus aureus, particularly difficult to treat because of their learned resistance to conventional antibiotics

*\* Testing of the Silverstein Light was conducted on a mouthpiece by KCL, a third party medical research laboratory. For more information on testing results, visit [www.silversteinworks.com](http://www.silversteinworks.com).*

#### CAUTION

- Avoid direct skin and eye contact with the UV lamp during operation.
- Use the Main Cap as instructed above to properly shield the UV lamp from skin and eye contact during operation. Please exercise caution during use.
- Ozone has a distinctive odor which is expected and normal.
- Keep out of reach from children.
- Use device for its intended purpose only.
- Keep away from water and humidity.
- This device should not be exposed to extreme temperatures. Keep away from fire.
- For indoor use only.
- Do not use for clinical or medical use.
- The effectiveness of the device may vary according to shape and size of the mouthpiece and instrument.
- This device should not be used as a sole method of instrument cleaning. This device is designed to work in supplement to other conventional cleaning methods, and not to replace them.
- This device is RoHS compliant.
- Practice proper recycling when discarded

#### WARRANTY

The Silverstein Light comes with a 1-year limited warranty to the original owner against defects in material and workmanship. Warranty does not cover damage from water, abuse, wear and tear, accident, negligence, or usage not intended for original purpose. Disassembly, and/or any alteration of the device will void the warranty. Damage not covered under warranty can be repaired for a reasonable rate. If the product ever fails due to a manufacturing defect, even after extended use, we will repair the product without charge, or replace it at our discretion. The Silverstein Light must be sent for warranty service with all parts included. Any missing parts will void the warranty. The customer will be responsible for all shipping charges for any warranty services. To obtain warranty service, please contact us at (201) 471-0700 or [cs@silversteinworks.com](mailto:cs@silversteinworks.com).

#### DIRECTIONS

##### Mounting on Your Mouthpiece

1. Remove the Main Cap<sup>1</sup>, and the Bell Cap<sup>2</sup> (\*) from the main body of the device revealing the UV lamp<sup>4</sup>.
2. Gently place the bore of the mouthpiece over the UV lamp<sup>4</sup>.
3. The mouthpiece should rest lightly on the rubber Mounter<sup>3</sup> covering the bottom of the UV lamp<sup>4</sup>. Do not push down on the mouthpiece to prevent damage to the UV lamp<sup>4</sup>!



Screw the Main Cap<sup>1</sup> back in place until the tip of the mouthpiece lightly touches the inside of the Main Cap<sup>1</sup>. Inside of the Main Cap<sup>1</sup> is outfitted with a food-grade silicon pad to protect the tip of your mouthpiece. Make sure not to overtighten, which may result in damaging the mouthpiece and the UV lamp<sup>4</sup>.

##### Mounting on Your Instrument

1. To clean from the bell of the instrument, remove the Main Cap<sup>1</sup>, but leave the Bell Cap<sup>2</sup> (if supplied\*) attached to the main body of the device. Then insert the device "cap-first" into the horn.
2. To clean from the upper opening or any part of the instrument that has a smaller opening than the bell, remove the Bell Cap<sup>2</sup> from the main body of the device revealing the UV lamp<sup>4</sup>. Then gently place the UV lamp<sup>4</sup> into the opening to be cleaned, and situate the device carefully.
3. Do not move the instrument during operation. For better results, secure the instrument in an enclosed space, such as inside of an instrument case.



##### Mounting on Your Reed

1. Remove the Main Cap<sup>1</sup>, and the Bell Cap<sup>2</sup> from the main body of the device revealing the UV lamp<sup>4</sup>.
2. Gently situate the reeds in the rubber Reed Holder<sup>5</sup> that surrounds the base of the UV lamp<sup>4</sup>. Reeds should be standing up right facing outward away from the UV lamp<sup>4</sup>. Rubber reed holder<sup>5</sup> holds up to 4 reeds at a time.
3. Screw the Main Cap<sup>1</sup> back in place. Tighten just enough so the inside of the cap does not touch the tip of the reeds. Overtightening may result in damaging your reeds.

*\*Bell Cap<sup>2</sup> and reed holder<sup>5</sup> are optional accessories, and are sold separately in some cases.*

*\*\*For best results, the Silverstein Light should be used after every session or as often as possible to not only sanitize your instrument, but also prevent against build-up of germs.*

##### Setting the Timer

1. Turn on the device by press-and-holding the touch-sensitive power button<sup>7</sup> (located on the bottom surface of the device) for three seconds until the multi-LED<sup>6</sup> blinks three times. Turn off the device by press-and-holding the touch-sensitive power button<sup>7</sup> for three seconds until the multi-LED<sup>6</sup> blinks one time.
2. Once the device is turned on, set the time of operation by lightly tapping the touch-sensitive power button<sup>7</sup>. The device counts down ten seconds (indicated by beeping noise and blinking LED<sup>6</sup>) for the user to set the time before beginning cleaning process.



**First tap:** 15 minute runtime displayed by white light (recommended for mouthpieces and reeds)

**Second tap:** 30 minute runtime displayed by green light (recommended for small instruments, i.e. clarinet, soprano saxophone, trumpet)

**Third tap:** 60 minute runtime displayed by blue light (recommended for large instruments).

**Fourth tap:** Turn off

\*when battery is low (indicated by red-LED<sup>6</sup>), the timer can only be set for the amount of time that the battery has left to perform.

3. The device will automatically turn off once cleaning cycle is complete.

##### Charging

- Fully charge device before first time usage.
- Red-LED<sup>6</sup> will light up when battery is low.
- Red-LED<sup>6</sup> blinks when charging.
- Red-LED<sup>6</sup> will stop blinking when charging is complete.
- To recharge, use the USB-to-microUSB cable supplied in the package. Insert the micro-USB end of the cord to the device and insert the USB end of the cord into an USB port or an USB wall adapter.
- With a 5V, 1A power source (plugged into an outlet) it may take about 2~2.5 hours to fully charge the battery.
- With a 5V, 0.5A power source (such as your computer) it may take about 4~5 hours to fully charge the battery.
- Actual performance of the battery may vary depending on usage and other circumstances.

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