

Daily Cleaning Instructions: KL1

Clean the following components at least once daily. Clean more frequently if your pharmacy dispenses many dust-generating medications or if you experience counting errors.

Materials: 70% isopropyl alcohol or mild soapy water (e.g., dish soap), lint-free cloth or paper towels. Do not use facial tissue, cotton balls or cotton swabs.

Before starting, turn off the unit and unplug it.

1. Funnel

- A. Remove the funnel from the unit.
- B. Clean outside and inside thoroughly with alcohol or mild soapy water.



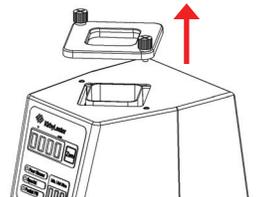
2. Glass Detector Windows

The unit's counting sensors are located behind the removable inside channel assembly.

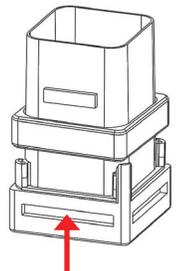
Most counting errors are caused by pill dust accumulating on the edges and corners of the windows on the channel assembly. Clean the windows well.

- A. Unscrew the two round thumb screws on top of the unit. Remove the square guard.
- B. Lift out the entire inside channel assembly. **Do not remove the individual glass panes** attached to the inside channel assembly.
- C. Wipe off excess pill dust on the inside of the four clear detector windows with a **dry** cloth.
- D. Wet a clean cloth with alcohol or mild soapy water and clean the inside of the four glass windows thoroughly to remove all remaining dust and residue. Wipe back-and-forth, not up-and-down. Do not press hard as this may break the glass windows. Do not remove the individual glass panes.
- E. Fold the cloth to form an edge to clean any edge dust can accumulate, especially corners.
- F. Wipe the glass windows dry with a clean cloth. Hold the windows up to a light to visually inspect the glass for any dust, fingerprints, or streaks. Re-clean if necessary. Wipe dry.
- G. Look down inside the KL1 device and visually inspect the four inside glass windows for dust or streaks. If necessary, clean with water and wipe dry.
- H. Replace the inside channel assembly and square guard. Tighten the round thumb screws until snug. **Do not over-tighten the thumb screws.**

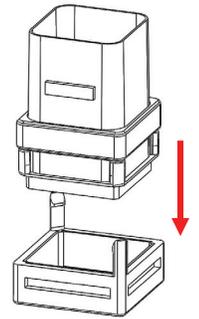
Step A – Remove Square Guard



Steps C-F, Inside Channel Assembly: Clean inside and outside of 4 glass windows without removing or damaging the panes



- I. If desired, the glass window holder can be removed from the inside channel assembly for a more thorough cleaning and visual inspection. Gently push down on the square sliding tube, which spreads the two black clips holding the glass window holder. Take special care not to break the black clips.



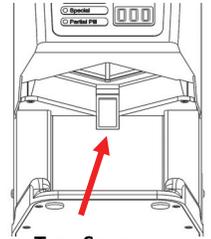
Step I – Visually Inspect Windows

3. Counting Tray

Clean thoroughly with mild soapy water. Do not use alcohol.

4. Tray Sensor

Located on the KL1 behind the counting tray when the tray is fully inserted. This sensor tells the unit that the tray is properly seated. With the tray removed, clean the sensor window with water. Wipe dry to remove streaks.



Tray Sensor

Note about the use of mild soapy water versus isopropyl alcohol: Mild soapy water and alcohol both provide appropriate sanitary cleansing. Water leaves fewer streaks than alcohol on a Kirby Lester device's inside glass sensor windows. If streaks are found after cleaning, use just water and wipe dry. In general, prolonged alcohol exposure causes faster wear-and-tear on plastic.

5. Cleaning and Troubleshooting

Problem or Error Code	Probable Cause	Possible Solution(s)
E-2, E-4, E-9, O-S or unit counts by itself	Tablet dust or residue on glass detector windows, or replace cracked glass detector window.	Clean glass detector windows thoroughly. Or replace cracked glass detector window.
Overcounts	Tablet fragments, or tablet dust on glass detector windows.	Check counted medications for tablet fragments. Clean glass detector windows thoroughly.
Undercounts	Pouring too fast, or pouring tablets directly into the funnel hole.	Slow pouring speed so the "Pour Slower" indicator does not activate.
Display reads "----" instead of "0000" with tray pushed in	Tray not fully inserted. Tray sensor window is dirty.	Clean tray sensor window. Fully insert tray.

6. Questions or Problems

Please contact Kirby Lester Service at 800.243.2465 or service@kirbylester.com.