Daily Cleaning Instructions: KL1Plus

Choose Your Model

Clear Top Funnel
P. 2-3

Gray Top Funnel
P. 4-5
Daily Cleaning Instructions: KL1Plus (Clear Top Funnel)

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 and channel from the unit.
   B. Clean outside and inside thoroughly with mild soapy water. **Do not** use alcohol.

2. **Glass Detector Windows**
The unit’s counting sensors are located behind the four glass detector windows (windows) inside the square hole. **Most counting errors are caused by pill dust accumulating on the edges and corners of the windows.** Clean the windows well.
   
   A. Wipe off excess pill dust on the four windows with a **dry** cloth.
   B. Wet a clean cloth with mild soapy water or alcohol and clean the four 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 windows.
   C. Wipe glass windows dry with clean cloth to remove streaks.

3. **Counting Tray**
Clean thoroughly with mild soapy water. **Do not** use alcohol.

4. **Tray Sensor**
   Located on the KL1Plus 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.

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. **As Needed: Clean Touch Screen**
As needed, carefully clean with a non-ammonia glass cleaner or a computer screen cleaner and a clean, lint-free cloth. **Do not** spray any liquid directly onto the touch screen. Instead, spray onto the cloth first.

6. **Customize Onscreen Cleaning Reminders**
You can customize the automatic cleaning reminder function of your KL1Plus. See the KL1Plus operating manual for full instructions on making these adjustments:
- Turn the cleaning checklist off
- Change the frequency of the cleaning reminder (default 150 scripts)
- Add medications that automatically trigger a cleaning reminder (e.g., sulfa)

7. **Cleaning and Troubleshooting**

<table>
<thead>
<tr>
<th>Problem or Error Code</th>
<th>Probable Cause</th>
<th>Possible Solution(s)</th>
</tr>
</thead>
<tbody>
<tr>
<td>E-1, E-9, O-S or unit counts by itself</td>
<td>Glass detector windows contains dust, residue or are cracked.</td>
<td>Clean glass detector windows thoroughly. Send unit in for repair if glass detector window is cracked.</td>
</tr>
<tr>
<td>Overcounts (more counted than poured)</td>
<td>Glass detector windows contains dust, residue or are cracked. Or pill fragments were poured through.</td>
<td>Clean glass detector windows thoroughly. Send unit in for repair if glass detector window is cracked. Remove pill fragments.</td>
</tr>
<tr>
<td>Undercounts (fewer counted than poured)</td>
<td>Pouring too fast, or pouring tablets directly into the funnel hole.</td>
<td>Slow pouring speed so the &quot;Pour Slower&quot; indicator does not activate.</td>
</tr>
<tr>
<td>Display flashes &quot;----&quot; instead of &quot;0000&quot; with tray pushed in</td>
<td>Tray not fully inserted. Tray sensor window is dirty.</td>
<td>Fully insert tray. Clean tray sensor window.</td>
</tr>
<tr>
<td>Display reads &quot;0000&quot; even though counting tray is not fully inserted</td>
<td>Tray sensor is dirty or damaged.</td>
<td>Clean tray sensor window. Send unit in for repair if tray sensor is damaged.</td>
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</tbody>
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8. **Questions or Problems**
Please contact Service at 800.243.2465 or techsupport@capsahealthcare.com.
Daily Cleaning Instructions: KL1Plus (Gray Top Funnel)

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 soap (e.g., dish soap), lint-free cloth or paper towels, computer screen cleaner. Do not use facial tissue, cotton balls or cotton swabs.

Before starting, turn off the unit and unplug it.

1. **Funnel**
   - Remove the funnel from the unit.
   - 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 glass windows on the inside channel assembly. Clean the windows well.

   D. Unscrew the two round thumb screws on top of the unit. Remove the square guard.
   E. Lift out the entire inside channel assembly.
   F. Wipe off excess pill dust on the inside of the four glass windows with a dry cloth.
   G. 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. Carefully 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 unless Service instructs you to.
   H. Fold the cloth to form a “point” to carefully clean any edge or corner where dust can accumulate. Pay special attention to corners.
   I. Wipe the glass windows dry with a clean cloth. Hold the inside channel assembly up to a light to visually inspect the glass windows for any dust, fingerprints, or streaks. Re-clean if necessary. Wipe dry.
   J. Look down inside the device and visually inspect the four inside glass windows for dust or streaks. If necessary, clean with water and wipe dry.
   K. Replace the inside channel assembly and square guard. Tighten the two round thumb screws until snug. Do not over-tighten the thumb screws.
   L. 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 ring, which spreads the two black clips holding the glass window holder. Take special care not to break the black clips.

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   - Change the frequency of the cleaning reminder (default 150 scripts)
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<td>In KL1 Mode only: E-2, E-4, E-9, O-S or unit counts by itself</td>
<td>Tablet dust or residue on glass windows, or replace cracked glass window.</td>
<td>Clean glass windows thoroughly. Or replace cracked glass window.</td>
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<td>Overcounts (more counted than poured)</td>
<td>Tablet fragments, or tablet dust on glass windows.</td>
<td>Check counted medications for tablet fragments. Clean glass windows thoroughly.</td>
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