



SKY[®]7Xi Handling

**If you have any questions, comments or
need to reorder this set of cards, please
call 1-800-558-2332**

Always wear personal protective equipment.

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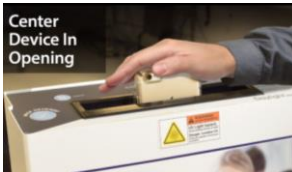


Answer the challenges of mobile device disinfection in healthcare environments.

- **Effective** – Targeted UVC light provides up to 5-log reduction*
- **Complete Coverage** – Unique design provides 360-degree coverage
- **Compatible** – Safe and effective for mobile devices
- **Nontoxic** – No fumes or chemicals
- **Versatile** – Accommodates devices up to 1" (2.54 cm) thick by 8" (20.3 cm) wide and 12" (30.5 cm) long



1

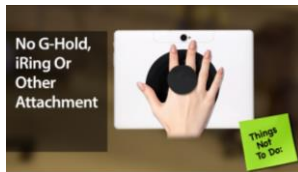


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3



Things not to do:



Status Indicators

The front panel includes LED-style indicator lights to provide overall status of the SKY.

The front panel LED lights will flash to signify the status of the system. Each light has multiple states. Green indicates proper operation, yellow indicates that an action will be required soon, such as replacing the UV-C cartridge, and Red indicates an error condition.

The system will be inoperable if any of the lights are red and action must be taken to restore proper function.

Here is a summary of the LED lighting on the front panel showing indicator status for the System and Cartridge:

- The System LED indicates the state of the SKY.

The following LED lighting conditions will be presented:

- Flashing green in one second intervals during power up indicates that the system is starting up or warming up from power off or standby mode.
- Solid green indicates that the system is functional and ready for use.
- During operation, flashing green in one second intervals indicates that the system is processing a device.
- Solid red and flashing red indicate a fault/error condition.
- When the system has entered standby mode due to inactivity, the System LED will be off and the Cartridge LED will be on displaying the status of the Cartridge.

NOTE: If the System LED is red, the SKY should be powered down and troubleshooting steps should be taken as described in the Troubleshooting section.

The Cartridge LED indicates the status and remaining life of the cartridge, which contains the ultraviolet C (UV-C) bulbs and other perishable items.

The following LED lighting conditions will be presented:

- Green indicates that the Cartridge is operating properly and there is greater than 200 hours of useful life remaining.
- Yellow indicates that there are 200 hours or less of Cartridge life remaining.
- Red indicates that the cartridge life has been consumed and the Cartridge needs to be replaced.

NOTE: The Cartridge LED may illuminate yellow and then return to green due to reduced output. Reduced output may occur if the power supplied to the unit is low, the unit is operated in hot or cold environments, or the bulb is nearing its end of useful life and the duty cycle is high or any of these items in combination. However, the system is fully functional and achieves the intended function in these conditions. The system will not allow processing if UV-C output is below appropriate levels to achieve the intended function.

NOTE: If the red Cartridge LED is illuminated, the SKY should be powered down for a Cartridge replacement as described in the “Installing the Cartridge” section.

The Max Defense LED indicates the state of the Max Defense option. Solid green indicates that the Max Defense option is selected and the system will process according to the Max Defense (slower) processing speed.

Troubleshooting Common Problems

The SKY system indicates problems and allows resolution in two levels. At the first level, the system will stop processing and the RED Cancel light will blink.

Upon addressing the issue immediately, such as removing an item left in the entrance slot for more than fifteen seconds after processing, pressing the Cancel button will return the system to full operation.

At the second level, the system will power down and turn off the UV-C bulbs. This action is taken to prevent any object from being positioned inside the UV-C cartridge for extended periods. In order to return the unit to full operation, the power must be cycled and this may be accomplished in the fastest manner by opening the tray a small amount to de-energize the system. Upon returning the tray to its closed position, power is restored and normal operation resumes.

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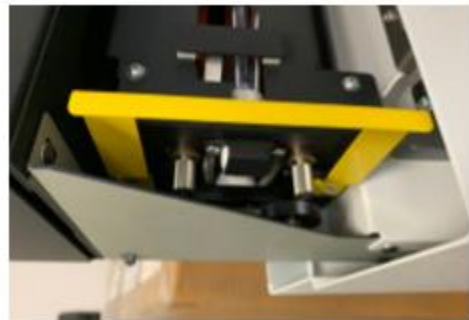
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Problem	Possible Causes	Solution
There is a chattering noise in the System.	An object is not feeding properly through the cartridge	Open the tray and remove the object. Look for protrusions or irregular surfaces that may prevent the device from properly running through the system. If no issues are observed, try running the device through again. Contact Technical Support for further resolutions.
	The Cartridge is not installed properly	Remove the Cartridge and try reseating in the unit or install a new Cartridge.
	The device being disinfected is not supported at this time	Try disinfecting a different type of device.
	A jam has occurred in the feed system	Open the tray and remove any jammed object and re-process. Continued jamming may reflect that the device cannot be disinfected in the System.

Removing a Stuck Object There are three ways to remove an object not fully processed or stuck within the system. In order of recommended practice:

1. Lift the Receiving Area Door until mild resistance is felt on the handle. The Manual Release label provides direction for this action and this motion lifts the top of the cartridge allowing anything within to be freed.
2. If the object is visible, lift the Receiving Area Door and gently pull downward on the object. Do not insert hands above the bottom of the door.
3. Press the Open button on the Front Panel of the SKY and push down on the front panel to release the safety catch. Then, pull up on the knob to expose the device Tray. The object should be visible within the cartridge area and the knobs on the side of the cartridge may be rotated to release the object.



The following table lists common problems, their possible causes, and how to solve them. Additionally, the SKY provides error codes by flashing the System LED. The SKY flashes the error code number on the System LED, pauses, and then repeats the error code. Count the number of flashes of the System LED and refer to the following table.

Problem	Possible Causes	Solutions
The System LED flashes red.	2 Flashes - Something is stuck in the cartridge	Check the Cartridge for any items/devices stuck in the cartridge.
	3 Flashes - Something is in the entrance slot	Clear any objects from within the entrance slot.
	4 Flashes - The Cartridge has exceeded its useful life	Replace it with a new Cartridge.
	5 and 6 Flashes are not used currently	
	7 Flashes - The UV-C bulb output is too low	The system environment may be too cold or too hot - move the device to a warmer area or, if too warm is suspected, temporarily discontinue use of the device to allow it to cool and try again or move the device to a cooler environment.
	8 Flashes - The system temperature is too high	The voltage applied to the unit may be low from the outlet - try relocating the device to use a different outlet in the room. The UV-C bulb output may be low due to normal aging of the bulb and combined with any other operational influence of higher temperature, lower voltage, continuous product use with longer products in Max Defense mode – ensure operating voltage and temperature are within established limits and, if needed, temporarily discontinue use of the device to allow it to cool and try again. Continued indication of this code reflects that the cartridge needs to be replaced. The system environment may be too hot - temporarily discontinue use of the device to allow it to cool and try again or move the device to a cooler environment.
9 Flashes - The cartridge version does not work with the system version	The software version on the system must operate with the cartridge version. Contact Technical Support to obtain the appropriate free software for your system. The software may be downloaded from our website and loaded on to an SD card for use in the system.	

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Problem	Possible Causes	Solutions
The System LED flashes red. <i>(continued)</i>	10 Flashes - The cartridge version is not compliant with the system	Contact your sales representative to order the correct cartridge. Software loading will not resolve the issue.
	11 Flashes - The Cartridge ID does not match	Contact Technical Support.
	12 Flashes - The Cartridge OEM ID does not match	Contact Technical Support.
The Cartridge LED is red.	A Cartridge is not installed	Install a Cartridge.
	The Cartridge is not seated properly	Remove the Cartridge and try reseating in the System.
	Cartridge needs to be replaced as it reached its life span	Install a new Cartridge.
	There is something in the rollers of the Cartridge	Open the System and remove any devices or other items in the rollers of the Cartridge.
The Cartridge LED is yellow.	The Cartridge is nearing end of life	Order a new Cartridge and prepare to replace the consumed Cartridge when the Cartridge LED turns red.
	The UV-C output is below optimum <i>(Note that it is fully acceptable to operate the system if the cartridge LED is yellow, he system will not allow the device to operate if there is not sufficient power to disinfect properly)</i>	The UV-C bulb output may be low due to normal aging of the bulb and combined with any other operational influence of higher temperature, lower voltage, continuous product use with longer products in Max Defense mode – ensure operating voltage and temperature are within established limits and, if needed, temporarily discontinue use of the device to allow it to cool and try again. Continued indication of this code reflects that the cartridge needs to be replaced.
The LED lights are not illuminated on the front of the System.	The power cord is disconnected	Check the power cables. Check the power supply switch on the rear panel.
	The Front Panel is not fully closed	Depress the Open button until it is flush with the System face. Make sure the tray is firmly locked into place.
	A fuse may be blown	Contact Technical Support for replacement fuse information.

Problem	Possible Causes	Solutions
The System flashes the red Cancel button.	A device is left in the inlet slot of the System after processing or there is something stuck in the cartridge	Open the tray and remove any jammed or left behind devices. The knurled knobs on the side of the Cartridge may assist in rolling out the jammed device.



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