

CLEANING HCI TOUCH-ENABLED INTERACTIVE DEVICES



REDUCING VIRAL LOAD



1 in 25 patients will contract a Hospital-Acquired Infection (HAI).

24% of keyboards in an Army ICU were found to have MRSA living on them.

Properly cleaning hospital equipment is critical to patient safety, especially those devices that are installed in patient rooms or regularly used by staff. *The Journal of Hospital Infection* advises Coronavirus or endemic human coronaviruses (HCoV) can live on plastic and siliconized rubber surfaces for an estimated 5 days; can persist on inanimate surfaces like metal, glass or plastic for up to 9 days; and persist on steel for as much as 5 days.

Cleaning glass, touch-enabled surfaces thoroughly and with the right products is critical to lowering the viral load on inanimate surfaces to help stop the spread of the disease.

A Two-Step Process: Disinfecting and Cleaning

Cleaning and disinfecting are two steps needed for thorough cleaning. Cleaning removes dirt, grease, dust and other contaminants. Disinfecting is a separate process that uses a chemical designed to destroy bacteria.

More information from the EPA on recommended disinfectants for Coronavirus and other pathogens can be [found here](#).

The World Health Organization recommends that "environmental cleaning and disinfection procedures are followed consistently and correctly."



Preparing to Clean Your HCI Devices

- Wear disposable gloves and gowns for all tasks in the cleaning process, including handling trash.
- Additional personal protective equipment (PPE) might be required based on the cleaning/disinfectant products being used and whether there is a risk of splash.
- Gloves and gowns should be removed carefully to avoid contamination of the wearer and the surrounding area and disposed of according to the facility guidelines and the recommendations of the CDC.
- Hand sanitizer: If soap and water are not available and hands are not visibly dirty, an alcohol-based hand sanitizer that contains at least 60% alcohol may be used. However, if hands are visibly dirty, always wash hands with soap and water.
- If using reusable gloves, those gloves should be *dedicated for cleaning and disinfection of surfaces for COVID-19* and should not be used for other purposes.
- Dispose of gloves in a dedicated container, and thoroughly clean hands for at least 20 seconds immediately after gloves are removed.



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STEP 1: Cleaning Your HCI Glass Screen Products

- 1) To prepare for cleaning touchscreens and other electronic touch devices, power down the device (if possible), or ensure your on-screen software can tolerate false touches while you clean.
- 2) Do not get liquids inside the unit. Do not spray the product directly. Instead, use wet wipes, a sprayed cloth or a dampened cloth with the excess moisture squeezed off.
- 3) Select only non-abrasive cleaning wipes or cloths to avoid scratching touchscreens.
- 4) Avoid highly concentrated alcohol (> 70%), non-diluted bleach or ammonia solutions, as these may cause discoloration.
- 5) Wipe the surfaces with the appropriate wipes or cloths and approved cleaning products, and allow them to dry.

STEP 2: Disinfecting your HCI Glass Screen Products

- 1) To prepare for disinfecting the touchscreen, power down the device (if possible) or ensure your on-screen software can tolerate false touches while you clean.
- 2) Dampen a new clean, non-abrasive cloth with a disinfectant chosen from the list below. Ensure excess liquid is squeezed from the cloth. You may also use recommended pre-dampened wipes.
- 3) Read the manufacturer's instructions carefully. Many manufacturers require the surface to remain wet for a few minutes, so continuous wiping might be required.
- 4) Disinfect the surfaces by wiping them with the cloth or wipe, and allow the surface to dry.

These disinfectants are recommended for use with HCI touch-enabled products:

Product

EPA Registration Number (Link)

- Clorox Disinfecting Wipes
- Clorox Healthcare Bleach Germicidal Wipes
- Clorox Commercial Solutions Hydrogen Peroxide Cleaner Disinfectant Wipes
- Lonza Disinfectant Wipes
- Lysol Brand Clean & Fresh Multi Surface Cleaner (20% cleaner solution to water ratio)
- Purell Professional Surface Disinfectant Wipes
- Sani-Cloth Prime Germicidal Disposable Wipes

- [Registration Number 5813-79](#)
- [Registration Number 67619-12](#)
- [Registration Number 67619-25](#)
- [Registration Number 6836-313](#)
- [Registration Number 777-89](#)
- [Registration Number 84150-1](#)
- [Registration Number 9480-12](#)

What NOT to Use for Cleaning or Disinfecting

- Isopropyl Alcohol at concentrations > 70%
- Methyl Alcohol at concentrations > 35%
- Thinner, benzine or acids of any kind
- Strong alkalis or solvents
- Detergents with fluoride, or ammonia at concentrations > 1.6%
- Ethyl Alcohol at concentrations > 35%
- Abrasive cleaners or detergents with abrasives
- Formula 409
- Steel wool, steel blades or cloth with steel threads
- Sponges with abrasives

