

Equipment Disinfection Guidelines

This document is current as of August 10, 2020. Please note that revisions to our procedures will be ongoing in response to changing health authority recommendations and client feedback.

- **General**

The preferred disinfection method for all types of equipment is quarantine. Secondary methods should only be used when quarantine is otherwise impractical. During quarantine, equipment is stored in an area away from already disinfected equipment, and away from human contact. Where practical, it will be further isolated in large bins, pallet wrapped and marked with its quarantine date.

Lighting and electrical equipment should be powered off and cooled down during and after disinfection. Equipment must be dry prior to use.

All equipment must be clean and free of surface dust and dirt for any disinfection method (except for quarantine) to be effective.

Appropriate PPE must be worn when using disinfectants.



- **Sim-Approved Disinfection Products**

The products below have been evaluated and cleared for use on Sim equipment. This list is by no means exhaustive. If you've found another product you'd like to use, please reach out and we will evaluate/ test the product for inclusion in this list.

Preferred Choice:	
Armstrong "On the Mark"	Used in Sim's electrostatic sprayers and ammonia/ chlorine wipe downs.
Approved Alternatives:	
Avmor EP66	Ammonia/chlorine-based disinfectant
VitalOxide	Ammonia/chlorine-based disinfectant.
SOLX 5	Ammonia/chlorine-based disinfectant.
Clorox Total 360	Ammonia/chorine-based disinfectant
Virudex-7	Ammonia-based disinfectant

- **Products to Avoid**

AEGIS Microbe Shield	Trimethoxsilyl Propyldimethyloctadecyl Ammonium Chloride anti-microbial
BT KD700 Surface Disinfectant	Alcohol-based aerosol disinfectant



Lighting + Grip Equipment

Equipment	Disinfection Methods	Disinfection Process
Android Tablets	72 Hour Quarantine Wipe down with 70% alcohol.	Wipe down tablet with 70% alcohol.
Batteries: (Block, Litepanels, etc.)	72 Hour Quarantine Electrostatic Spray using liquid disinfectant. Wipe down with liquid disinfectant Wipe down with 70% alcohol.	Apply disinfectant using electrostatic sprayer. Allow disinfectant to stay on surfaces for the dwell time specified by the disinfectant manufacturer before wiping away excess. Wipe on disinfectant or 70% alcohol. Allow disinfectant to stay on surfaces for the dwell time specified by the disinfectant manufacturer before wiping away excess. Clean battery contacts with 70% alcohol afterwards.
Chargers & Power Supplies: External “wall wart” & desktop PSUs	72 Hour Quarantine Electrostatic Spray using liquid disinfectant. Wipe down with liquid disinfectant Wipe down with 70% alcohol.	Apply disinfectant using electrostatic sprayer. Do not spray directly into openings. Allow disinfectant to stay on surfaces for the dwell time specified by the disinfectant manufacturer before wiping away excess. Wipe on disinfectant or 70% alcohol. Allow disinfectant to stay on surfaces for the dwell time specified by the disinfectant manufacturer before wiping away excess.
Chimera: Hardware, Black Tents & Reflectors	72 Hour Quarantine Electrostatic Spray using liquid disinfectant. Wipe down with liquid disinfectant. Wipe down with 70% alcohol.	Apply disinfectant using electrostatic sprayer. Allow disinfectant to stay on surfaces for the dwell time specified by the disinfectant manufacturer before wiping away excess. Wipe on disinfectant or 70% alcohol. Allow disinfectant to stay on surfaces for the dwell time specified by the disinfectant manufacturer before wiping away excess.
Chimera” White fabrics (diffusers & baffles)	72 Hour Quarantine Electrostatic Spray using liquid disinfectant. Wipe down with liquid disinfectant.	Apply disinfectant using electrostatic sprayer. Allow disinfectant to stay on surfaces for the dwell time specified by the disinfectant manufacturer before wiping away excess. Wipe on disinfectant. Allow disinfectant to stay on surfaces for the dwell time specified by the disinfectant manufacturer before wiping away excess.
Computer Monitors	72 Hour Quarantine. Wipe down with 70% alcohol.	Wipe down monitor. Cables and case can be dealt with per instructions for Data Cable and Road Cases.
Data Cable: Ethernet, DMX	72 Hour Quarantine Electrostatic Spray using liquid disinfectant. Wipe down with liquid disinfectant. Wipe down with 70% alcohol.	Apply disinfectant using electrostatic sprayer. Allow disinfectant to stay on surfaces for the dwell time specified by the disinfectant manufacturer before wiping away excess. Wipe on disinfectant or 70% alcohol. Allow disinfectant to stay on surfaces for the dwell time specified by the disinfectant manufacturer before wiping away excess.
Data Networking Gear: Switches, Gateways, DMX Splitters	72 Hour Quarantine Electrostatic Spray using liquid disinfectant. Wipe down with liquid disinfectant. Wipe down with 70% alcohol.	Apply disinfectant using electrostatic sprayer. Do not spray directly into openings. Allow disinfectant to stay on surfaces for the dwell time specified by the disinfectant manufacturer before wiping away excess. Wipe on disinfectant or 70% alcohol. Allow disinfectant to stay on surfaces for the dwell time specified by the disinfectant manufacturer before wiping away excess.

Equipment	Disinfection Methods	Disinfection Process
Dimmer Racks, Packs & Singles	72 Hour Quarantine Electrostatic Spray using liquid disinfectant. Wipe down with liquid disinfectant. Wipe down with 70% alcohol.	Apply disinfectant using electrostatic sprayer. Do not spray directly into openings. Allow disinfectant to stay on surfaces for the dwell time specified by the disinfectant manufacturer before wiping away excess. Wipe on disinfectant or 70% alcohol. Allow disinfectant to stay on surfaces for the dwell time specified by the disinfectant manufacturer before wiping away excess.
Distro Cable & Boxes	72 Hour Quarantine Electrostatic Spray using liquid disinfectant. Wipe down with liquid disinfectant Wipe down with 70% alcohol.	Apply disinfectant using electrostatic sprayer. Allow disinfectant to stay on surfaces for the dwell time specified by the disinfectant manufacturer before wiping away excess. Wipe on disinfectant or 70% alcohol. Allow disinfectant to stay on surfaces for the dwell time specified by the disinfectant manufacturer before wiping away excess.
Dollies & Accessories	72 Hour Quarantine Electrostatic Spray using liquid disinfectant. Wipe down with liquid disinfectant. Wipe down with 70% alcohol.	Apply disinfectant using electrostatic sprayer. Allow disinfectant to stay on surfaces for the dwell time specified by the disinfectant manufacturer before wiping away excess. Wipe on disinfectant or 70% alcohol. Allow disinfectant to stay on surfaces for the dwell time specified by the disinfectant manufacturer before wiping away excess.
Generators	72 Hour Quarantine Wipe down high touch areas with liquid disinfectant or 70% Alcohol Exterior wash with soap & water	Wipe down control panel, connector panels, door handles, jack handle with disinfectant. Allow disinfectant to stay on surfaces for the dwell time specified by the disinfectant manufacturer before wiping away excess. Exterior wash with soap & water.
Grip Hardware, Stands & Frames	72 Hour Quarantine Electrostatic Spray using liquid disinfectant. Wipe down with liquid disinfectant. Wipe down with 70% alcohol.	Apply disinfectant using electrostatic sprayer. Allow disinfectant to stay on surfaces for the dwell time specified by the disinfectant manufacturer before wiping away excess. Wipe on disinfectant or 70% alcohol. Allow disinfectant to stay on surfaces for the dwell time specified by the disinfectant manufacturer before wiping away excess.
Grip Wood Products: Apple Boxes, Wedges, Cribbing	72 Hour Quarantine Electrostatic Spray using liquid disinfectant. Wipe down with liquid disinfectant. Wipe down with 70% alcohol.	Apply disinfectant using electrostatic sprayer. Allow disinfectant to stay on surfaces for the dwell time specified by the disinfectant manufacturer before wiping away excess. Wipe on disinfectant or 70% alcohol. Allow disinfectant to stay on surfaces for the dwell time specified by the disinfectant manufacturer before wiping away excess.
Grip: Flags & Fabrics	72 Hour Quarantine Electrostatic Spray using liquid disinfectant. Machine Wash.	Apply disinfectant using electrostatic sprayer. Allow to air dry. Machine wash, if practical.
Grip: Nets	72 Hour Quarantine Electrostatic Spray using liquid disinfectant.	Apply disinfectant using electrostatic sprayer. Allow to air dry.
“Hard” Lighting Accessories (Barndoors, Scrims, Snoots, etc.)	72 Hour Quarantine Electrostatic Spray using liquid disinfectant. Wipe down with liquid disinfectant. Wipe down with 70% alcohol.	Apply disinfectant using electrostatic sprayer. Allow disinfectant to stay on surfaces for the dwell time specified by the disinfectant manufacturer before wiping away excess. Wipe on disinfectant or 70% alcohol. Allow disinfectant to stay on surfaces for the dwell time specified by the disinfectant manufacturer before wiping away excess.

Equipment	Disinfection Methods	Disinfection Process
Hardware: Stands, Clamps etc.	72 Hour Quarantine Electrostatic Spray using liquid disinfectant. Wipe down with liquid disinfectant. Wipe down with 70% alcohol.	Apply disinfectant using electrostatic sprayer. Allow disinfectant to stay on surfaces for the dwell time specified by the disinfectant manufacturer before wiping away excess. Wipe on disinfectant or 70% alcohol. Allow disinfectant to stay on surfaces for the dwell time specified by the disinfectant manufacturer before wiping away excess.
HMI Ballasts & Cables	72 Hour Quarantine Electrostatic Spray using liquid disinfectant. Wipe down with liquid disinfectant. Wipe down with 70% alcohol.	Apply disinfectant using electrostatic sprayer. Do not spray directly into openings. Allow disinfectant to stay on surfaces for the dwell time specified by the disinfectant manufacturer before wiping away excess. Wipe on disinfectant or 70% alcohol. Allow disinfectant to stay on surfaces for the dwell time specified by the disinfectant manufacturer before wiping away excess.
HMI Fixtures	72 Hour Quarantine Electrostatic Spray using liquid disinfectant. Wipe down with liquid disinfectant. Wipe down with 70% alcohol.	Apply disinfectant using electrostatic sprayer. Do not spray directly into openings. Allow disinfectant to stay on surfaces for the dwell time specified by the disinfectant manufacturer before wiping away excess. Wipe on disinfectant or 70% alcohol. Allow disinfectant to stay on surfaces for the dwell time specified by the disinfectant manufacturer before wiping away excess. Bulbs and lenses must be cleaned with 70% Alcohol afterward.
LED Fixtures: Skypanel, Celeb, etc.	72 Hour Quarantine Electrostatic Spray using liquid disinfectant. Wipe down with liquid disinfectant. Wipe down with 70% alcohol.	Diffusion panels must be in place to protect light engines from disinfectant. Apply disinfectant using electrostatic sprayer. Do not spray directly into openings. Allow disinfectant to stay on surfaces for the dwell time specified by the disinfectant manufacturer before wiping away excess. Wipe on disinfectant or 70% alcohol. Allow disinfectant to stay on surfaces for the dwell time specified by the disinfectant manufacturer before wiping away excess.
LED Tubes: Astera, Quasar, Colt, Mac-Tech	72 Hour Quarantine Electrostatic Spray using liquid disinfectant. Wipe down with liquid disinfectant. Wipe down with 70% alcohol.	Apply disinfectant using electrostatic sprayer. Allow disinfectant to stay on surfaces for the dwell time specified by the disinfectant manufacturer before wiping away excess. Wipe on disinfectant or 70% alcohol. Allow disinfectant to stay on surfaces for the dwell time specified by the disinfectant manufacturer before wiping away excess.
Lighting Soft Goods: Snapgrids, Chimera Grids, DOP Choice etc.	72 Hour Quarantine Electrostatic Spray using liquid disinfectant. Wipe down with liquid disinfectant.	Apply disinfectant using electrostatic sprayer. Allow disinfectant to stay on surfaces for the dwell time specified by the disinfectant manufacturer before wiping away excess. Wipe on disinfectant. Allow disinfectant to stay on surfaces for the dwell time specified by the disinfectant manufacturer before wiping away excess.
Lighting Consoles	72 Hour Quarantine. Wipe down with 70% alcohol.	Wipe down entire console. Pay special attention to high touch areas like faders, encoders, touchscreens, keyboard, mouse, etc.
LiteGear: Litemats & LiteTiles	72 Hour Quarantine Electrostatic Spray using liquid disinfectant. Wipe down with liquid disinfectant. Wipe down with 70% alcohol.	Avoid getting disinfectant on the LED elements. Apply disinfectant using electrostatic sprayer. Do not spray directly into openings. Allow disinfectant to stay on surfaces for the dwell time specified by the disinfectant manufacturer before wiping away excess. Wipe on disinfectant or 70% alcohol. Allow disinfectant to stay on surfaces for the dwell time specified by the disinfectant manufacturer before wiping away excess.

Equipment	Disinfection Methods	Disinfection Process
LiteGear: PSUs, Dimmers & Cables	72 Hour Quarantine Electrostatic Spray using liquid disinfectant. Wipe down with liquid disinfectant. Wipe down with 70% alcohol.	Apply disinfectant using electrostatic sprayer. Do not spray directly into openings. Allow disinfectant to stay on surfaces for the dwell time specified by the disinfectant manufacturer before wiping away excess. Wipe on disinfectant or 70% alcohol. Allow disinfectant to stay on surfaces for the dwell time specified by the disinfectant manufacturer before wiping away excess.
Road Cases: Exterior	72 Hour Quarantine Electrostatic Spray using liquid disinfectant. Wipe down with liquid disinfectant. Wipe down with 70% alcohol.	Apply disinfectant using electrostatic sprayer. Allow disinfectant to stay on surfaces for the dwell time specified by the disinfectant manufacturer before wiping away excess. Wipe on disinfectant or 70% alcohol. Allow disinfectant to stay on surfaces for the dwell time specified by the disinfectant manufacturer before wiping away excess.
Road Cases: Interior	72 Hour Quarantine Electrostatic Spray using liquid disinfectant. Wipe down with liquid disinfectant. Wipe down with 70% alcohol.	Apply disinfectant using electrostatic sprayer. Allow disinfectant to stay on surfaces for the dwell time specified by the disinfectant manufacturer before wiping away excess. Wipe on disinfectant or 70% alcohol. Allow disinfectant to stay on surfaces for the dwell time specified by the disinfectant manufacturer before wiping away excess.
Tungsten Fixtures: Fresnels & Open Face	72 Hour Quarantine Electrostatic Spray using liquid disinfectant. Wipe down with liquid disinfectant. Wipe down with 70% alcohol.	Apply disinfectant using electrostatic sprayer. Do not spray directly into openings. Allow disinfectant to stay on surfaces for the dwell time specified by the disinfectant manufacturer before wiping away excess. Wipe on disinfectant or 70% alcohol. Allow disinfectant to stay on surfaces for the dwell time specified by the disinfectant manufacturer before wiping away excess. Bulbs and lenses must be cleaned with 70% Alcohol afterward.
Vehicles	72 Hour Quarantine Wipe down high touch areas with liquid disinfectant or 70% Alcohol Exterior wash with soap & water	Wipe down door handles, seat, dash steering wheel, shifter and any other high touch areas with disinfectant. Allow disinfectant to stay on surfaces for the dwell time specified by the disinfectant manufacturer before wiping away excess. Exterior wash with soap & water.



POST PRODUCTION EQUIPMENT

Equipment	Disinfection Methods	Disinfection Process
Bare Drives	72 Hour Quarantine Use UV-C Cabinet	Insert drive into the UV-C Cabinet for 60 seconds
Color Panels & Mix Consoles	72 Hour Quarantine Wipe down with liquid disinfectant. Wipe down with 70% alcohol.	Wipe on disinfectant or 70% alcohol using a microfiber cloth. Allow disinfectant to stay on surfaces for the dwell time specified by the disinfectant manufacturer before wiping away excess. Do not douse equipment as it can cause damage
Condenser Microphones	72 Hour Quarantine Spray with liquid disinfectant. Spray with 70% alcohol.	Remove the head and clean with antibacterial spray that dissipates quickly. The base unit should be wiped down with antibacterial wipes.
Dynamic Microphones	72 Hour Quarantine Spray with liquid disinfectant. Spray with 70% alcohol.	Remove the head and clean with antibacterial spray that dissipates quickly. The base unit should be wiped down with antibacterial wipes.
Encased Drives	72 Hour Quarantine Use UV-C Cabinet Wipe down with liquid disinfectant. Wipe down with 70% alcohol.	Insert drive into the UV-C Cabinet for 60 seconds Wipe on disinfectant or 70% alcohol using a microfiber cloth. Allow disinfectant to stay on surfaces for the dwell time specified by the disinfectant manufacturer before wiping away excess. Do not douse drives or get inside the ports as it can cause damage
Keyboard, Mouse, & Wacom Tablet	72 Hour Quarantine UV Light Wand Wipe down with liquid disinfectant. Wipe down with 70% alcohol.	Move UV Light Wand slowly across surface for 40 seconds. Wipe on disinfectant or 70% alcohol using a microfiber cloth. Allow disinfectant to stay on surfaces for the dwell time specified by the disinfectant manufacturer before wiping away excess. Do not douse equipment as it can cause damage



Camera Equipment

Equipment	Disinfection Methods	Disinfection Process
Cables	<p>72 Hour Quarantine Electrostatic Spray using liquid disinfectant. Wipe down with liquid disinfectant. Wipe down with 70% alcohol.</p>	<p>Apply disinfectant using electrostatic sprayer. Allow disinfectant to stay on surfaces for the dwell time specified by the disinfectant manufacturer before wiping away excess. Wipe on disinfectant or 70% alcohol using a microfiber cloth. Allow disinfectant to stay on surfaces for the dwell time specified by the disinfectant manufacturer before wiping away excess. Do not connect cables to electronic devices until any liquid applied is complete dry.</p>
Camera Bodies	<p>72 Hour Quarantine Use UV-C Cabinet Wipe down with liquid disinfectant. Wipe down with 70% alcohol.</p>	<p>Insert Camera Body into the UV-C Cabinet and let the disinfection timer elapse. (EVF OLED and lens port area must be protected, or damage may occur) Wipe on disinfectant or 70% alcohol using a microfiber cloth. Allow disinfectant to stay on surfaces for the dwell time specified by the disinfectant manufacturer before wiping away excess. Do not use disinfectant on Camera Lens Port area. Never apply disinfectant, alcohol or any other liquid cleaner to electronic equipment while they are powered on.</p>
Electronic Devices (excluding monitors): FIZ Units, TX/RX & Card Readers	<p>72 Hour Quarantine Use UV-C Cabinet Wipe down with liquid disinfectant. Wipe down with 70% alcohol.</p>	<p>Insert device into the UV-C Cabinet and let the disinfection timer elapse. Wipe on disinfectant or 70% alcohol using a microfiber cloth. Allow disinfectant to stay on surfaces for the dwell time specified by the disinfectant manufacturer before wiping away excess. Do not douse Electronic Equipment or get inside ports or connectors, it can cause damage Never apply disinfectant, alcohol or any other liquid cleaner to electronic equipment while they are powered on.</p>
Equipment Cases	<p>72 Hour Quarantine Electrostatic Spray using liquid disinfectant. Wipe down with liquid disinfectant. Wipe down with 70% alcohol.</p>	<p>Apply disinfectant using electrostatic sprayer. Allow disinfectant to stay on surfaces for the dwell time specified by the disinfectant manufacturer before wiping away excess. Wipe on disinfectant or 70% alcohol. Allow disinfectant to stay on surfaces for the dwell time specified by the disinfectant manufacturer before wiping away excess.</p>
Lenses & Filters	<p>72 Hour Quarantine Use UV-C Cabinet Wipe down with liquid disinfectant. Wipe down with 70% alcohol.</p>	<p>Insert lens into the UV-C Cabinet for and let the disinfection timer elapse with lens port caps on. Wipe on disinfectant or 70% alcohol using a microfiber cloth. Allow disinfectant to stay on surfaces for the dwell time specified by the disinfectant manufacturer before wiping away excess. Do not use disinfectant on glass lens elements. Specific glass cleaners to be used ONLY on lens glass/elements and filters.</p>

Equipment	Disinfection Methods	Disinfection Process
Mechanical Devices Heads, Sticks, & Matteboxes	72 Hour Quarantine Electrostatic Spray using liquid disinfectant. Wipe down with liquid disinfectant. Wipe down with 70% alcohol.	Apply disinfectant using electrostatic sprayer. Allow disinfectant to stay on surfaces for the dwell time specified by the disinfectant manufacturer before wiping away excess. Wipe on disinfectant or 70% alcohol using a microfiber cloth. Allow disinfectant to stay on surfaces for the dwell time specified by the disinfectant manufacturer before wiping away excess.
Media Cards & Drives	72 Hour Quarantine Use UV-C Cabinet Wipe down with liquid disinfectant. Wipe down with 70% alcohol.	Insert card / drive into the UV-C Cabinet and let the disinfection timer elapse. Wipe on disinfectant or 70% alcohol using a microfiber cloth. Allow disinfectant to stay on surfaces for the dwell time specified by the disinfectant manufacturer before wiping away excess. Do not douse cards / drives or get liquid inside the ports or connectors, it can cause damage.
Monitors	72 Hour Quarantine Wipe down with liquid disinfectant. Wipe down with 70% alcohol.	Wipe on disinfectant or 70% alcohol using a microfiber cloth. Allow disinfectant to stay on surfaces for the dwell time specified by the disinfectant manufacturer before wiping away excess. Do not douse Electronic Equipment or get inside ports or connectors, it can cause damage Never apply disinfectant, alcohol or any other liquid cleaner to electronic equipment while they are powered on.

