



NATIONAL INTERAGENCY INCIDENT COMMUNICATIONS DIVISION
 NATIONAL INTERAGENCY FIRE CENTER
 3833 SOUTH DEVELOPMENT AVENUE
 BOISE, IDAHO 83705-5354



RADIO EQUIPMENT DISINFECTING PROCEDURES VENDOR RECOMMENDATIONS

The National Interagency Incident Communications Division (NIICD) has worked with all their radio equipment manufacturers regarding the proper decontamination supplies and processes to be used on their equipment. The following is the information they provided.

Do not allow any solution to puddle or pool on the equipment. It is recommended to apply solution to a cloth in order to make it damp, wring the cloth out, and then apply to the radio equipment. If using pre-moistened wipes wring excess liquid from wipe prior to use.

In order to keep the number of disinfectants to a minimum the NIICD recommends the following:

Clorox Wipes with Bleach**	Isopropyl Alcohol or Isopropyl Alcohol Wipes	Lysol Spray	Caviwipes
Codan/Daniels	Motorola	Solar Panel Nylon Backing	Relm/BK
Midland	Skydyne Kit Boxes	Kit Foam Liners	
Solar Panel Cells	ICOM		
Pelican Cases			

** Ensure you use Clorox wipes with Bleach

BELOW IS THE COMPLETE LIST OF MANUFACTURER'S RECOMMENDATIONS:

RELm/BK

Service Bulletin BKSb-1058 issued 03/19/2020 <https://bktechnologies.com/service-portal//assets/images/BKSb-1058.pdf>

NOTE: Do not use chemical cleaners, spray, or petroleum-based products. Use of these can damage the radio and/or battery.

The following disinfectants that will not degrade the radio with normal usage:

- 1) Enviro-Tru-1453
- 2) T36 Disinfex (Viralex)
- 3) Clorox Bleach Solution (1:10, Bleach:Water)
- 4) CaviWipes
- 5) Accel PREvention Wipes

EQUIPMENT DISINFECTING VENDOR RECOMMENDATIONS

NOTE: The reason Clorox™ wipes were not put on the list is due to the wide variety of wipes available. The most common is the (Bleach free) however, they do contain other ingredients that have not been tested on the radio and accessories for long term effects.

Ensure no puddling or pooling of solution is left on the radio

1. Apply cleaning solution to a clean damp cloth and clean the radio. Do not spray cleaning solution directly onto radio. To clean the radio in the speaker and microphone areas, carefully wipe these areas but prevent the cleaning solution from entering the speaker or microphone openings.
2. Wipe off the radio with clean damp cloth using mild warm soapy water.
3. Follow by wiping off the radio with clean, warm damp cloth using water only.
4. Wipe dry with clean cloth.

MOTOROLA

Information Bulletin MTN-0038-20-GL issued 03/2020 https://lasd.org/pdf/RadioCleaning_MTN-0038-20-GL.pdf

NOTE: **Do not** use bleach, solvents or cleaning sprays to cleanse or disinfect your device.

- Devices may be disinfected by wiping them down with over-the-counter isopropyl alcohol (rubbing alcohol) with at least **70%** alcohol concentration.
 - When cleaning with isopropyl alcohol, **the alcohol should never be applied directly to the device.** It should be applied to a cloth, which is then used to wipe down the device.
- The effects of certain chemicals and their vapors can have detrimental effects on plastics and the metal platings.

IMPORTANT:

- Motorola Solutions, Inc. is unable to, and did not, determine whether any particular cleaning product is effective in removing specific foreign substances (including viruses) from the device, nor whether any disinfectant will remove all germs or viruses. However, the above cleaners, disinfectants and processes have been approved for use by Motorola Solutions, Inc. related to their less degrading effect on the physical device. Please consult the chemical manufacturers' documentation for specifics on cleaning product efficacy with regards to foreign substances (such as viruses).

MIDLAND website <https://midlandusa.com/best-practices-for-sanitizing-your-walkie-talkies/>

- Manufacturer recommended disinfectant spray and/or wipes such as Lysol
- Always ensure that the radios are turned OFF before cleaning them.
- Do NOT submerge the radios into any cleaning liquid, or spray the cleaner directly onto the radio. This can cause over-saturation. Liquid could soak into cracks on the device, and potentially cause serious damage.
- An antibacterial wipe is one reliable way to properly sanitize your walkie talkie. But before using it, make sure to squeeze out all of the excess liquid in the wipe. It can still be damp to the touch, just not dripping with cleaner.

EQUIPMENT DISINFECTING VENDOR RECOMMENDATIONS

- Last but not least, the best method for cleaning & sanitizing your walkie talkies is to apply/spray an anti-bacterial cleaner directly to a microfiber cloth, and then use that cloth to clean your radio.
- Once again, always making sure that the cloth isn't soaking wet—to avoid over-saturating your radio and potentially causing damage.

CODAN/DANIELS

Email from manufacturer

Codan is following the recommendation of the Centers for Disease Control (CDC). More detailed instructions can be found at: <https://www.cdc.gov/coronavirus/2019-ncov/prevent-getting-sick/cleaning-disinfection.html>

- In all cases, wear disposable gloves when cleaning and disinfecting surfaces. Gloves should be discarded after each cleaning. Consult the manufacturer's instructions for cleaning and disinfection products used. Wash hands immediately after gloves are removed.
- For disinfection, most common EPA-registered household disinfectants should be effective. A list of products that are EPA-approved for use against the virus that causes COVID-19 is available on CDC's website. Follow manufacturer's instructions for all cleaning and disinfection products for (concentration, application method and contact time, etc.), making sure to use the appropriate solution for the surface you are treating.
- Spray the disinfectant on a clean lint-free cloth and wipe the areas clean. Repeat if necessary.
- Do not spray the equipment directly. Do not disassemble to treat the inside of the equipment. Do not allow the equipment to appear saturated with the solution.
- To clean coax and RJ45 cables and the microphones, use isopropyl/rubbing alcohol wipes at a 70% concentration.
- **Do not** use bleach or Lysol on aluminum module and racks.
- Codan's manufacturing manager recommended a product called Spray Nine which can be found at the following website.
 - a. https://www.spraynine.com/product/spray-nine-cleanerdegreaser-8/?cat_refer=10

SKYDYNE

Email from manufacturer

- Alcohol is the **best option** for both cases (molded-in color and painted), and it is the option we recommend.
 - For the molded-in color fiberglass reinforced plastic cases you should be fine with:
 - Alcohol (recommended)
 - Water Bleach Solution
 - Lysol
 - MEK
 - Acetone
 - Paint Thinner
 - For the painted fiberglass reinforced plastic cases you can use:
 - Alcohol (recommended)
 - Water Bleach Solution
 - Lysol

EQUIPMENT DISINFECTING VENDOR RECOMMENDATIONS

PELICAN

Website, <https://mailchi.mp/thecasestore.com/cleaning-tips?e=799f5bf80b>

EFFECTIVE DISINFECTANTS:

- Rubbing Alcohol
- Disinfectant wipes (Clorox, Windex, and store brands acceptable)
- Diluted Bleach Solutions
 - (4tsp. bleach / 1qt.water)
- Common household disinfectant sprays
- Most industrial, medical and military decontaminate solutions.

METHOD:

1. Clean your case before disinfecting
 - remove all solids (dust, debris, dirt, grease, etc.) using warm soapy water and brush
2. Wipe case surfaces from the inside out in this order
 - Case interior surfaces
 - O-Ring seal (tongue and groove sides)
 - Latches (including under-side)
 - Handles
 - case exterior surfaces

KIT POLYURETHANE FOAM LINERS

Email from manufacturer

- Because the inserts are a polyurethane foam you can use Lysol Spray to disinfect without damaging the product.

Manufacturers Recommendations:

Disinfectant	Equipment Manufacturer Recommendation								
	Codan/ Daniels	Relm/ BK	Motorola	Midland	Skydyne	Solar Panels	Pelican	ICOM	Foam Liners
Accel Prevent Wipes		X							
Bleach Solution (1:10, Bleach:Water)	X	X					X	X	
Calla 1452		X							
Caviwipes		X							
Clorox Wipes	X			X		Solar Cells	X		
Enviro-Tru-1453		X							
Isopropyl Alcohol			X		X		X	X	
Isopropyl Alcohol Wipes			X		X		X	X	
T36 Disinfex		X							
Lysol Spray						Nylon Back	X		X
Lysol Wipes				X	X	Solar Cells			
Spray Nine	X								

These processes will be updated as more information becomes available.

Last Update: 05/07/2020