

Vocera Devices and Accessories Cleaning Guide

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Cleaning Vocera Devices and Accessories

This document provides guidance on safe processes to clean the Vocera B3000n Badge, Vocera V5000 Smartbadge, C1000 Minibadge (collectively known as Vocera Devices), and accessories without causing damage.



Note: These guidelines do not address hospital requirements regarding disinfection.

Cleaning the Vocera Devices

- The Vocera Devices, and wearable accessories are not designed for immersion in liquids.
- Always clean the Vocera Devices with the battery attached.
- Wipe down the Vocera Devices outer surfaces and wearable accessories with a damp cloth, wipe, or applicator using cleaning agents defined below.
- Do not pour liquids directly onto or immerse the Vocera Devices.
- Opening the Vocera Devices voids all warranties. The Vocera Devices should not be opened for any reason.
- Do not put the Vocera Devices through an autoclave or other heat cleaning process.

Acceptable Commercial Cleaning Agents

The following commercial cleaning agents have been tested and found to be acceptable

- Metrex CaviWipes
- Clorox Hydrogen Peroxide Wipes
- Clorox Bleach Germicidal Wipes
- *PDI Super SANI-WIPES (Purple top)
- *PDI Sani-Cloth AF3 (Gray top)

Purple top Sani-wipes and gray top Super Sani-Cloths require the device surface to remain wet. Follow the instructions for use provided by the manufacturer to reach the advertised disinfectant rate.



Note: If the cleaning agent leaves a residue on the smooth surfaces of the devices, Vocera recommends the following cleaning process:

1. Disinfect the Vocera Device using the manufacturer's recommended contact time.
2. Wipe again and then wipe dry with a soft cloth to remove the residue for a perfect cosmetic appearance.

The following commercial cleaning agents have not been tested extensively by Vocera.

- Diversey, Oxivir® disinfectant
- 3M SoluPrep wipes
- Germiphene Ultra Swipes

However, based on the Material Safety Data Sheet (MSDS) for these cleaning agents, Vocera believes that these are acceptable for cleaning Vocera Devices.

Vocera cannot test all the commercially available disinfectant products. We recommend that you refer to the ingredient list or MSDS for products, not on the list recommended by Vocera. If the primary ingredient of the product is one of the recommended cleaning agents listed by Vocera, it should be acceptable for use.

Acceptable Common Cleaning Agents

Do not immerse the Vocera Devices in any liquid.

- Water
- Mild dish soap
- Hydrogen Peroxide (3%)
- Ethyl alcohol (70%)
- Isopropyl alcohol (70%) (alcohol wipes)

Unacceptable Cleaning Agents

Products containing the following chemical compounds are known to cause damage to Vocera Device and should not be used:

- Acetones
- Ketones
- Ethers
- Toluene
- Aromatic and chlorinated hydrocarbons
- Compounds of amines or ammonia
- Inorganic hypochlorites - including bleach, unless noted above
- Hydrofluoric or hydrochloric acids

The use of cleaning agents containing these chemical compounds will result in a reduction of structural integrity in the Vocera Devices, leading to cracks and eventual failure of the device.

Common Cleaning Agents to be Used with Discretion

Hospital cleaning and infection guidelines may mandate the use of some cleaning agents that could possibly cause damage or discoloration to a Vocera Device over time. For patient and staff safety, hospital guidelines should always take precedence. Vocera will replace damaged Vocera Devices caused by cleaning agents (other than those stated to be “unacceptable”) as long as it is still under warranty.

Vocera continues to evaluate materials for safe use with the Vocera Device. If in any doubt as to whether a cleaning agent would cause damage to a Vocera Device please contact your Vocera representative for additional guidance.

There is a “no return” policy for any Vocera Device considered to be a bio-hazard, and there is no cleaning process for Vocera Device dropped in any liquids or body fluids. Disposal is the only option in these scenarios.

Lanyards and Other Wearable Accessories

The Vocera lanyards are made of synthetic material. It can either be washed in a commercial washing machine and allowed to air dry or wiped with the same recommended cleaning agents used for other Vocera Device products.

Ultraviolet Cleaning

Ultraviolet (UV-C) cleaning has become more popular as a non-contact method for disinfection. Several products are now being built specifically for mobile communication devices. The resin used in Vocera devices has been explicitly selected for its resistance to chemicals and to UV degradation. Although no long-term evaluation has yet been conducted, early test exposure to UV cleaning indicates that this would cause no adverse effects to Vocera devices. It is considered an acceptable method for disinfecting Vocera devices.

Wired Headset Cleaning

Vocera wired headsets used with the Vocera Devices and Vocera Devices contain different resins. The wired headsets must be cleaned with the following cleaning agents:

- Hydrogen Peroxide (3%)
- Ethyl alcohol (70%)
- Isopropyl alcohol (70%) (alcohol wipes)

Commercial cleaning agents listed by Vocera for cleaning Vocera Devices may also be used to clean wired headsets if the hospital cleaning and infection guidelines require its use. However, the cleaning agents will cause some visible or functional damage over time.

Ultra Violet cleaning using UV-C light is also an acceptable method of cleaning wired headsets.

For wired headsets that are not supplied by Vocera, please refer to the guidelines for cleaning provided by the manufacturer.