



# ZEBRA Handheld Imagers User Manual

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**ZEBRA**

## ZEBRA Handheld Imagers



### Cleaning and Disinfecting Guidelines for Zebra Healthcare Scanners

In healthcare, there's no room for error. Zebra's scanners simplify caregivers' interactions with their patients. Scanning applications, though routine in nature to the caregivers, help prevent medical errors, improve patient safety and increase productivity. With imaging technology automating many of the caregivers' administrative requirements, caregivers can focus on the needs of the patient.

#### Introduction

This document provides guidelines to use when cleaning or disinfecting the Zebra scanners designed for use in various healthcare environments to protect the Zebra product and optimize its performance. Included is a list of cleaning agents that are approved by Zebra for use on devices listed below.

It is important to follow the cleaning and disinfecting product manufacturer directions regarding how to use their product to attain the efficacy indicated.

#### FACT SHEET

CLEANING AND DISINFECTING GUIDELINES FOR ZEBRA

DS8100-HC, DS4600-HC, CS60-HC, DS9900-HD, AND DS2200-HC

ONLY IN LATIN AMERICA, EUROPE, MIDDLE EAST, AFRICA, ASIA PACIFIC

### Cleaning and Disinfecting Guidelines

- Turn off and/or disconnect the device from AC/DC power.
- The use of non-approved cleaning or disinfecting agents on Zebra devices may void the warranty.
- To avoid damage to the device or accessory, use only approved Cleaning & Disinfecting agents indicated for the specific product.
- Follow the Manufacturer's directions on the approved Cleaning & Disinfecting agent for how to use their product properly and safely.
- Use pre-moistened wipes or dampen a soft sterile cloth (not wet) with the approved agent. Never spray or pour chemical agents directly onto the device.
- Use a moistened cotton-tipped applicator to reach tight areas. Be sure to remove any lint left over by the applicator.
- Do not allow liquid to pool.

- Allow the device to air dry, or dry with a soft lint-free cloth or towelette before use. Ensure electrical contacts are fully dry before reapplying power.

## Approved Cleaning and Disinfecting Agents for Zebra Healthcare Scanners

There are numerous cleaning agents used in the healthcare industry, some of which contain ingredients that are harmful to the devices. Therefore, it is important to use only Zebra-approved cleaning and disinfecting agents from the lists below.

**Note:** Any solution percentages specified in the list below should be adhered to and not exceeded.

### DS8100 Series for Healthcare and CS60 Series for Healthcare

<b>3% Hydrogen Peroxide and 97% Water Solution</b>	<b>Metrex CaviWipes</b>
<b>10% Bleach (Sodium Hypochlorite 0.55%) and 90% Water solution*</b>	<b>Metrex CaviWipes 1</b>
<b>91% Isopropyl Alcohol and 9% Water Solution</b>	<b>Mild Dish Soap</b>
<b>Azowipe</b>	<b>PDI Easy Screen® Cleaning Wipe</b>
<b>Bruhin BruTab 6S Tablets*</b>	<b>PDI Sani-Cloth AF3 Germicidal Disposable Wipe</b>
<b>Clinell Universal Sanitizing Wipes</b>	<b>PDI Sani-Cloth Bleach Germicidal Disposable Wipe *</b>
<b>Clinell Universal Wipes</b>	<b>PDI Sani-Cloth HB Sani-Germicidal Disposable Wipe</b>
<b>Clorox Dispatch Hospital Cleaner Disinfectant Towels with Bleach*</b>	<b>PDI Sani-Cloth Plus Germicidal Disposable Cloth</b>
<b>Clorox Formula 409 Glass and Surface Cleaner</b>	<b>PDI Super Sani-Cloth Germicidal Wipe</b>
<b>Clorox Healthcare Bleach Germicidal Wipes*</b>	<b>Progressive Products Wipes Plus</b>
<b>Clorox Healthcare Hydrogen Peroxide Wipes</b>	<b>Sani Professional Disinfecting Multi-Surface Wipes</b>
<b>Clorox Healthcare Multi-Surface Quat Alcohol Wipes</b>	<b>Sani-Hands® Instant Hand Sanitizing Wipes</b>
<b>Diversey D10 Concentrate Detergent Sanitizer</b>	<b>SC Johnson Windex Original Glass Cleaner with Ammonia-D</b>
<b>Diversey Dimension 256 Neutral Disinfectant Cleaner</b>	<b>Spartan Hepacide Quat II</b>
<b>Diversey Oxivir Tb Wipes</b>	<b>Sterets Alcowipe</b>
<b>Diversey Virex II 256 One-Step Disinfectant Cleaner</b>	<b>Steris Coverage Plus Germicidal Surface Wipes</b>
<b>Medipal Alcohol Wipes</b>	<b>Veridien Viraguard</b>
<b>Metrex CaviCide</b>	<b>WipesPlus Hospital/Surgical Wipes</b>
<b>Metrex CaviCide 1</b>	

## DS4600 Series for Healthcare

3% Hydrogen Peroxide and 97% Water Solution	Clorox Healthcare Bleach Germicidal Wipes
10% Bleach (Sodium Hypochlorite 0.55%) and 90% Water Solution	Mild Dish Soap
70% Isopropyl Alcohol and 30% Water Solution (including wipes)	PDI Sani-Cloth Bleach Germicidal Disposable Wipe
Clorox Dispatch Hospital Cleaner Disinfectant Towels with Bleach	

## DS2200 Series for Healthcare

3% Hydrogen Peroxide and 97% Water Solution	Mild Dish Soap
Clorox Dispatch Hospital Cleaner Disinfectant Towels with Bleach*	PDI Sani-Cloth Bleach Germicidal Disposable Wipe*
Clorox Healthcare Bleach Germicidal Wipes*	

\* Not for use on cradles

## DS9900 Series for Labs



**Warning:** The combining of chemical agents may be hazardous both to the user as well as to the device and is not approved. Always follow the safety instructions provided by the manufacturer of the approved cleaning agent, along with the Zebra cleaning guidelines, for safe handling and use.

## Special Precaution for Bleach-based Disinfectants

Bleach-based cleaners are not approved for use on cradles. Bleach products are known to corrode metals very quickly. Avoid allowing any bleach-based cleaner to touch the electrical contacts. If the contacts are exposed to bleach, it is important to completely remove it using only water or isopropyl alcohol solution. Use gloves during application and remove the residue afterwards with a damp cloth to avoid prolonged skin contact while handling the scanner.

## **Special Precaution for Hand Sanitizers**

Some hand sanitizers contain ingredients that can be harmful to the device. Hands should be completely dry before handling the device and cradles to prevent damage.

## **Additional Periodic Deep Cleaning Maintenance**

Keep your Zebra device and cradle in good working order with regular and comprehensive cleaning to remove the natural build-up of dirt that occurs with everyday use. Deep cleaning maintenance is recommended on a monthly basis.

### **1. Scanner Exit Window:**

- Wipe the scanner exit window with a lens tissue or other material suitable for cleaning optical materials such as

### **2. Charging Contacts**

- Dip the cotton portion of a cotton-tipped applicator in isopropyl
- Gently rub the cotton portion of the cotton-tipped applicator back and forth across the connector contacts of the Zebra
- Using a dry cotton-tipped applicator, rub across the connector contacts of the Zebra device back and forth several
- Carefully inspect and remove any cotton or other residue that remains on the
- Allow the isopropyl alcohol to air dry, or dry with a soft lint-free cloth or towelette. Ensure electrical contacts are fully dry before reapplying

### **3. Cradles and Battery Chargers**

- Remove the power cable from the cradle or
- Dip a cotton-tipped applicator in isopropyl
- Gently rub the moistened cotton-tipped applicator along the pins of the connector. Slowly move the applicator back and forth from one side of the connector to the
- Rub all sides of the connector with the cotton-tipped
- Spray compressed air in the connector area by pointing the tube/nozzle about 1/2 inch (12.7 mm) away from the (Caution: When using compressed air, follow the product manufacturer's directions for safe usage.)
- If grease or other types of debris are found on other areas of the cradle, use a lint free cloth and isopropyl alcohol or a pre-moistened alcohol wipe to
- Inspect and remove any residue (e.g., cotton, cloth, ) that may have attached to the connector during the cleaning process.

**For more information, visit [zebra.com](https://zebra.com)**

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## Documents / Resources

 <p><b>Cleaning and Disinfecting Guidelines for Zebra Healthcare Scanners</b></p> <p>Handheld barcode scanners are used in healthcare settings to track patient care, inventory, and equipment. To ensure the safety of patients and staff, it is important to follow proper cleaning and disinfecting procedures. This document provides guidelines for cleaning and disinfecting Zebra handheld scanners.</p> <p><b>Guidelines:</b></p> <ul style="list-style-type: none"><li>Use a mild detergent and warm water to clean the scanner.</li><li>Use a disinfectant that is approved for use on electronic equipment.</li><li>Follow the manufacturer's instructions for the disinfectant.</li><li>Allow the scanner to dry completely before use.</li></ul>	<p><a href="#">ZEBRA Handheld Imagers</a> [pdf] User Manual DS8100-HC, DS4600-HC, CS60-HC, DS9900-HD, DS2200-HC</p>
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