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Datalogic QD2430

Datalogic Quickscan QD2430 2D Barcode Scanner

Model: QD2430

1. INTRODUCTION

The Datalogic Quickscan QD2430 2D Barcode Scanner is a general-purpose handheld imager designed for various retail, supply chain, and distribution environments. This manual provides essential information for the proper setup, operation, and maintenance of your scanner, ensuring optimal performance and longevity.



Figure 1: Datalogic Quickscan QD2430 2D Barcode Scanner

2. SAFETY INFORMATION

Please read and follow all safety instructions before using the Datalogic Quickscan QD2430 scanner to prevent injury or damage to the device.

- Do not look directly into the scanner's illumination window when the device is active.

- Do not attempt to open or modify the scanner. Refer all servicing to qualified personnel.
- Keep the device away from water and other liquids.
- Use only the power source and cables specified by Datalogic.
- Dispose of the device and its components according to local environmental regulations.

3. PACKAGE CONTENTS

Verify that all items are present and in good condition upon opening the package:

- Datalogic Quickscan QD2430 2D Barcode Scanner
- USB Cable (for connectivity and power)
- Quick Start Guide (if included)

If any items are missing or damaged, contact your supplier immediately.

4. SETUP

Follow these steps to set up your Datalogic Quickscan QD2430 scanner:

1. **Connect the USB Cable:** Insert the smaller end of the USB cable into the port at the base of the scanner. Connect the larger USB-A end of the cable to an available USB port on your computer or host device.



Figure 2: Scanner with USB cable attached

2. **Power On:** The scanner will typically power on automatically once connected to a powered USB port. A successful connection is usually indicated by an audible beep and/or an LED indicator on the scanner.
3. **Driver Installation:** For most operating systems (Windows, macOS, Linux), the scanner will be recognized as a standard USB HID (Human Interface Device) keyboard and will not require specific driver installation. The operating system will install generic drivers automatically.
4. **Initial Configuration (Optional):** If specific settings are required (e.g., keyboard language, symbology enabling/disabling), refer to the full product reference guide for configuration barcodes. These barcodes are typically

scanned to program the scanner's behavior.

5. OPERATING INSTRUCTIONS

Operating the Datalogic Quickscan QD2430 is straightforward:

1. **Hold the Scanner:** Grip the scanner comfortably in your hand. The trigger button is located on the underside of the handle.
2. **Aim and Scan:** Point the scanning window towards the barcode you wish to read. Press and hold the trigger button. The scanner will project an aiming pattern (typically a cross or dot) and illumination.



Figure 3: Scanning window detail

3. **Successful Read:** Upon a successful read, the scanner will emit an audible beep and/or an LED indicator will illuminate (e.g., green light). The decoded data will be transmitted to your host device as if typed from a keyboard.
4. **Adjust Distance:** For optimal scanning, adjust the distance between the scanner and the barcode. The ideal distance varies depending on the barcode size and type.
5. **2D Barcodes:** The QD2430 is designed to read both 1D (linear) and 2D (matrix) barcodes. Ensure the entire 2D barcode is within the aiming pattern for a successful read.

6. MAINTENANCE

Proper maintenance ensures the longevity and performance of your scanner:

- **Cleaning the Scanning Window:** Use a soft, clean, lint-free cloth, slightly dampened with water or a mild, non-abrasive cleaner, to gently wipe the scanning window. Avoid harsh chemicals or abrasive materials that could scratch the surface.
- **Cleaning the Casing:** Wipe the exterior casing with a soft, damp cloth.
- **Storage:** When not in use, store the scanner in a clean, dry environment, away from extreme temperatures and direct sunlight.

- **Cable Inspection:** Periodically inspect the USB cable for any signs of wear or damage. Replace damaged cables immediately.

7. TROUBLESHOOTING

If you encounter issues with your scanner, try the following troubleshooting steps:

- **Scanner Not Reading Barcodes:**
 - Ensure the scanner is properly connected to the host device.
 - Verify that the barcode is not damaged or poorly printed.
 - Check the distance and angle between the scanner and the barcode.
 - Clean the scanning window if it is dirty.
 - Confirm that the barcode symbology is enabled in the scanner's configuration (refer to the full product manual for configuration barcodes).
- **No Power/No Indication:**
 - Ensure the USB cable is securely connected to both the scanner and the host device.
 - Try connecting the scanner to a different USB port or a different host device to rule out port issues.
 - Check if the host device's USB ports are powered.
- **Incorrect Data Transmission:**
 - Verify the keyboard layout settings on your host device match the scanner's configuration.
 - Ensure no other applications are interfering with keyboard input.
- **Scanner Not Recognized by Host:**
 - Restart the host device.
 - Try a different USB cable.

If these steps do not resolve the issue, contact Datalogic support or your reseller.

8. SPECIFICATIONS

Feature	Specification
Model Number	QD2430-BK
Product Type	2D Barcode Scanner
Connectivity Technology	USB Cable
Compatible Devices	Desktop, Laptop
Power Source	Corded Electric (via USB)
Product Dimensions	6.4 x 1.6 x 3.6 inches
Item Weight	5.1 ounces
Manufacturer	Datalogic Scanning
UPC	758399857742
Date First Available	June 14, 2016

9. WARRANTY INFORMATION

Datalogic products are manufactured to high-quality standards. For specific warranty terms and conditions applicable to your Quicksan QD2430 scanner, please refer to the warranty card included with your product or visit the official Datalogic website. Keep your proof of purchase for warranty claims.

10. SUPPORT

For technical assistance, product documentation, or customer service, please visit the official Datalogic support website or contact your local Datalogic representative. You can find contact information and resources at www.datalogic.com.