

- [Manuals.plus](#) /
- › [Datalogic](#) /
 - › Datalogic Gryphon I GFS4400 2D Fixed Mount Barcode Reader User Manual

Datalogic GFS4450-9

Datalogic Gryphon I GFS4400 2D Fixed Mount Barcode Reader

Model: GFS4450-9

INTRODUCTION

This user manual provides detailed instructions for the installation, operation, and maintenance of the Datalogic Gryphon I GFS4400 2D Fixed Mount Barcode Reader, model GFS4450-9. This device is designed for high-performance 2D barcode scanning in various applications, offering reliable data capture with its advanced imaging technology and RS232 interface.

PRODUCT OVERVIEW



Figure 1: Datalogic Gryphon I GFS4400 2D Fixed Mount Barcode Reader

An image showing the Datalogic Gryphon I GFS4400 2D fixed mount barcode scanner. The device is gray with a clear scanning window on the front. The top panel features the Datalogic logo, 'Gryphon' text, a blue trigger button, and indicator lights for 'TRIGGER', 'GOOD', and 'POWER'.

The Gryphon I GFS4400 2D is a compact, fixed-mount barcode scanner engineered for integration into various OEM applications. It features a high-speed imager capable of reading 1D and 2D barcodes, including QR codes, Data Matrix, and PDF417. Key components include:

- **Scanning Window:** The transparent area through which barcodes are read.
- **Indicator Lights:** LEDs indicating device status (Power, Good Read, Trigger).
- **Trigger Button:** For manual scanning activation (if applicable to the specific configuration).
- **Connectivity Port:** For connecting the RS232 interface cable.

SETUP

1. **Unpacking:** Carefully remove the scanner and all accessories from the packaging. Verify that all components are present.
2. **Cable Connection:** Connect the RS232 interface cable to the scanner's connectivity port. Ensure a secure connection.
3. **Host Connection:** Connect the other end of the RS232 cable to the appropriate serial port on your host device

(e.g., Desktop PC, Laptop, POS system).

4. **Power Connection:** Connect the power adapter (if supplied and required) to the scanner and then to a suitable power outlet. The scanner is powered by DC.
5. **Driver Installation (if necessary):** For some operating systems or specific configurations, a driver may be required. Refer to the Datalogic website for the latest drivers and installation instructions.
6. **Initial Power-Up:** Once connected, the scanner should power on. Observe the 'POWER' indicator light.

For optimal performance, ensure the scanner is mounted securely in its intended position, providing a clear line of sight to the barcodes to be scanned.

OPERATING INSTRUCTIONS

The Datalogic Gryphon I GFS4400 2D is designed for continuous or triggered scanning, depending on its configuration. Follow these general operating guidelines:

1. **Power On:** Ensure the scanner is properly connected and powered. The 'POWER' indicator light should be illuminated.
2. **Positioning:** Present the barcode to the scanner's window. Ensure the entire barcode is within the scanner's field of view.
3. **Scanning:**
 - **Continuous Mode:** If configured for continuous scanning, the scanner will automatically attempt to read barcodes presented to its window.
 - **Triggered Mode:** If configured for triggered scanning, press the blue trigger button (if present and enabled) to activate the scan engine.
4. **Good Read Indication:** Upon a successful read, the 'GOOD' indicator light will illuminate, and the scanner may emit an audible beep (if enabled). The decoded data will be transmitted to the host device.
5. **Adjusting Distance:** For optimal reading, adjust the distance between the barcode and the scanner. Different barcode types and sizes may require varying distances.
6. **Configuration:** The scanner can be configured using Datalogic's configuration software (e.g., Datalogic Aladdin) or by scanning specific programming barcodes found in the full product reference guide. This allows customization of symbologies, output formats, and operating modes.

MAINTENANCE

Proper maintenance ensures the longevity and optimal performance of your Gryphon I GFS4400 2D scanner.

- **Cleaning the Scanning Window:**

Regularly clean the scanning window with a soft, lint-free cloth. If necessary, use a mild, non-abrasive glass cleaner. Do not use harsh chemicals or abrasive materials, as they can scratch the window and impair scanning performance.

- **General Cleaning:**

Wipe the exterior of the scanner with a soft, damp cloth. Avoid getting moisture into any openings.

- **Cable Inspection:**

Periodically inspect the interface cable for any signs of damage, such as cuts, kinks, or frayed insulation. Replace damaged cables immediately to prevent malfunction or electrical hazard.

- **Storage:**

When not in use for extended periods, store the scanner in a clean, dry environment within the specified temperature range (refer to specifications).

TROUBLESHOOTING

This section addresses common issues you might encounter with your Datalogic Gryphon I GFS4400 2D scanner.

Problem	Possible Cause	Solution
Scanner does not power on.	No power supply; loose cable connection.	Check power adapter and cable connections. Ensure power outlet is functional.
Scanner does not read barcodes.	Barcode damaged/unreadable; incorrect symbology enabled; dirty scanning window; incorrect distance.	Try scanning a known good barcode. Ensure required symbologies are enabled via configuration. Clean scanning window. Adjust scanning distance.
Data is not transmitted to host.	Loose RS232 cable connection; incorrect host interface settings; driver issues.	Verify RS232 cable is securely connected to both scanner and host. Check host device's serial port settings (baud rate, parity, etc.) match scanner's configuration. Reinstall or update drivers if necessary.
Scanner beeps but no data.	Data format mismatch; host application not ready.	Check scanner's output format settings. Ensure the host application is active and ready to receive input.

If the problem persists after attempting these solutions, contact Datalogic technical support or your authorized dealer.

SPECIFICATIONS

Feature	Detail
Product Type	Fixed Mount Barcode Scanner
Model Number	GFS4450-9
Connectivity Technology	Wired (RS232 Interface)
Compatible Devices	Desktop, Laptop, POS Systems
Power Source	DC
Product Dimensions	1.54 x 2.24 x 2.28 inches
Item Weight	7.2 ounces
Manufacturer	Datalogic S.p.A
First Available Date	January 7, 2013
Maximum Storage Temperature	300 Kelvin (approx. 26.85°C / 80.33°F)

WARRANTY AND SUPPORT

For information regarding the product warranty, please refer to the warranty card included with your product or visit the official Datalogic website. Datalogic offers technical support and resources for their products.

- **Online Resources:** Visit www.datalogic.com for product documentation, FAQs, and software downloads.
- **Technical Support:** Contact Datalogic technical support for assistance with installation, configuration, or troubleshooting issues. Contact details can be found on the Datalogic website.

Protection plans may be available for extended coverage. Please check with your retailer or Datalogic for details on available protection plans.

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Model number, symptoms, what you tried, or the section of the manual you are using.

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