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## Genérico MDK104

# Generic MDK104 Fixed USB 1D/2D Barcode Scanner User Manual

Model: MDK104 | Brand: Genérico

## 1. INTRODUCTION

Thank you for choosing the Generic MDK104 Fixed USB 1D/2D Barcode Scanner. This device is designed for fast, accurate, and reliable scanning of various barcode types, including 1D, 2D, and QR codes. Its omnidirectional laser technology ensures efficient data capture, making it ideal for retail, inventory management, and other point-of-sale environments. This manual provides essential information for setting up, operating, and maintaining your scanner.

## 2. SAFETY INFORMATION

- Do not look directly into the scanner's light source.
- Keep the device away from water and other liquids.
- Avoid dropping or subjecting the scanner to severe impacts.
- Do not attempt to disassemble or repair the scanner yourself. Contact qualified personnel for service.
- Use only the provided USB cable for connection.

## 3. PACKAGE CONTENTS

Please check the package contents upon unboxing:

- Generic MDK104 Fixed USB 1D/2D Barcode Scanner
- USB Connection Cable
- User Manual (this document)

## 4. PRODUCT OVERVIEW

Familiarize yourself with the components of your barcode scanner.



Figure 4.1: Various angles of the MDK104 Fixed USB Barcode Scanner, showing its compact design and scanning window.



**Figure 4.2:** Front view displaying the scanning window and indicator lights, and the back view showing the USB port.



Figure 4.3: Close-up of the scanner's front with the USB cable connected, highlighting the connection point.

## 5. SETUP

### 5.1 Connecting the Scanner

1. Ensure your computer is powered on.
2. Connect the USB cable to the scanner's USB port.
3. Plug the other end of the USB cable into an available USB port on your computer.
4. The operating system (Windows) will typically detect and install the necessary drivers automatically. Wait for the installation to complete.
5. Once installed, the scanner is ready for use.



Figure 5.1: The MDK104 scanner with its integrated USB cable, ready for connection to a computer.

## 6. OPERATING INSTRUCTIONS

The MDK104 scanner is designed for ease of use. Simply place the barcode within the scanning area.

### 6.1 Scanning Barcodes

1. Ensure the scanner is connected to your computer and recognized.
2. Open an application where you want the scanned data to appear (e.g., a text editor, POS software, spreadsheet).
3. Position the barcode in front of the scanner's window. The scanner uses omnidirectional laser technology, allowing

for scanning from various angles without precise alignment.

4. The scanner will emit a light and a beep (if enabled) upon successful reading. The data will then appear in your active application.



**Figure 6.1:** The MDK104 scanner actively reading a QR code displayed on a mobile phone screen, demonstrating its capability to scan digital barcodes.

## 6.2 Supported Barcode Types

The MDK104 supports a wide range of 1D and 2D barcode symbologies, including:

- **1D Codes:** EAN13, EAN 8, UPC-A, UPC-E0, UPC-E1, Code128, Code39, Code93, Interleaved 2 of 5, Industrial 25, Matrix 2 of 5, CodeBar, MSI, RSS-14, RSS-Ltd, RSS-Exp, Standard 2 of 5, Plessey, ChinaPost 25, GS1 Composite.
- **2D Codes:** QR Code, Data Matrix (DM), PDF417, Han Xin, Micro PDF417, Micro QRCode, MaxiCode, Aztec Code, Code16K.
- Supports mobile screen reading.

# 1D/2D/QR Codes

1D: EAN13, EAN 8, UPC-A, UPC-E0, UPC-E1, Code128, Code39, Code93, Interleaved 2 of 5, Industrial 25, Matrix 2 of 5, Code11, CodeBar, MSI, RSS-14, RSS- Ltd, RSS- Exp, Standard 2 of 5, Plessey, ChinaPost 25, GS1 Composite

2D: QR Code, Data Matrix (DM), PDF417, Han Xin, Micro PDF417, Micro QRCode, MaxiCode, Aztec Code, Code16K, support mobile screen reading



Figure 6.2: Visual representation of various 1D and 2D barcode types, including QR codes, that the MDK104 scanner can read.

## 6.3 Advanced Scanning Capabilities

The MDK104 features CMOS Global Exposure technology, enabling fast recognition of challenging barcodes:

- Incomplete barcodes
- Reflective barcodes
- Distorted barcodes
- Smudged barcodes
- Barcodes with watermarks
- Blurred barcodes

# CMOS Global Exposure

Fast recognition of incomplete, reflective, distorted, smudge, water mark, blur and other bar codes.



Incomplete ✓



Reflect light ✓



Contort ✓



Smudge ✓



Water mark ✓



Blur ✓

Figure 6.3: The MDK104 scanner's CMOS Global Exposure technology, illustrating its capability to accurately read various types of damaged or imperfect barcodes.

## 7. MAINTENANCE

- **Cleaning:** Use a soft, dry cloth to clean the scanner's exterior. For the scanning window, use a soft, lint-free cloth lightly dampened with a mild glass cleaner. Do not spray cleaner directly onto the scanner.
- **Storage:** Store the scanner in a cool, dry place away from direct sunlight and extreme temperatures.
- **Cable Care:** Avoid bending or twisting the USB cable excessively to prevent damage.

## 8. TROUBLESHOOTING

Problem	Possible Cause	Solution
Scanner not recognized by computer.	Loose USB connection, faulty USB port, driver issue.	<ul style="list-style-type: none"> <li>• Ensure USB cable is securely connected to both scanner and computer.</li> <li>• Try a different USB port on your computer.</li> <li>• Restart your computer.</li> </ul>
Scanner does not read barcodes.	Barcode damaged, incorrect positioning, scanner window dirty, incompatible barcode type.	<ul style="list-style-type: none"> <li>• Ensure the barcode is clear and undamaged.</li> <li>• Position the barcode directly in front of the scanning window.</li> <li>• Clean the scanning window with a soft, lint-free cloth.</li> <li>• Verify the barcode type is supported (refer to Section 6.2).</li> </ul>
Scanned data appears incorrectly.	Keyboard language settings, software conflict.	<ul style="list-style-type: none"> <li>• Check your computer's keyboard language settings.</li> <li>• Ensure no other input devices are interfering.</li> </ul>

## 9. SPECIFICATIONS

Feature	Detail
Brand	Genérico
Model	MDK104
Connectivity	USB
Scanner Type	Fixed, Omnidirectional
Sensor Technology	Laser, CMOS Global Exposure (300,000 pixels)
Scanning Capability	1D and 2D barcodes (including QR Code, Data Matrix, PDF417)
Supported OS	Windows
Power Source	USB Bivolt
Dimensions (W x D x H)	94 mm x 92 mm x 158 mm (approximately 3.7 x 3.6 x 6.2 inches)
Weight	<i>Information not available</i>



Figure 9.1: Detailed dimensions of the MDK104 barcode scanner, showing its height, width, and depth in millimeters.

## 10. WARRANTY AND SUPPORT

This product comes with a **7-day warranty** from the date of purchase confirmation. This warranty covers manufacturing defects. Please retain your proof of purchase for warranty claims.

For technical support or warranty inquiries, please contact your retailer or the manufacturer (LEITOR-BARRAS) through the contact information provided at the point of purchase.

