NADAMOO Bur3072

NADAMOO QR Code Scanner User Manual

Model: Bur3072

1. Introduction

This manual provides comprehensive instructions for the setup, operation, and maintenance of your NADAMOO Wireless 2D Barcode Scanner (Model: Bur3072). This device is designed for efficient and reliable barcode scanning, supporting both 1D and 2D barcodes from various surfaces, including paper and digital screens.

Image 1.1: The NADAMOO Wireless 2D Barcode Scanner, including the scanner unit, USB receiver, and a flexible stand.

The NADAMOO Bur3072 scanner utilizes advanced CMOS imaging technology, enabling it to capture barcodes quickly and accurately. Its versatile connectivity options and multiple operating modes make it suitable for a wide range of applications.

2. Product Features

- **1D & 2D Barcode Compatibility:** Capable of capturing 1D barcodes (UPC, EAN, Code128, Code39, etc.) and 2D barcodes (QR Code, PDF417, Data Matrix, Aztec Code, Maxicode).
- **CMOS Imaging Technology:** Advanced digital image acquisition function allows identification of barcodes from screens (computer monitors, smartphones, tablets) and paper, even if blurred, colored, or distorted.
- **Dual Connection Modes:** Supports both wireless (433MHz with Mini USB Receiver) and wired (USB 2.0) connections for flexible deployment.
- **Extended Wireless Range:** Offers up to 400 meters (0.25 mile) transmission in open environments and up to 100 meters (328 feet) indoors with obstacles.
- **Two Upload Modes:**
  - **Instant Upload Mode:** Transmits scanned data directly to your connected device.
  - **Storage Mode:** Stores up to 10,000 barcodes internally when out of range, allowing for batch

upload later.

- **Three Trigger Modes:**
  - **Manual Trigger:** Scan by pressing the trigger button.
  - **Auto-sensing:** Automatically scans when a barcode is presented within its field of view.
  - **Continuous Scanning:** Scans continuously without requiring trigger presses.
- **Hands-Free Stand:** Includes a stand that supports auto-sensing mode for convenient, hands-free operation.

Image 2.1: Illustration of the two connection modes: USB 2.0 wired and 433MHz wireless via a Mini USB receiver.

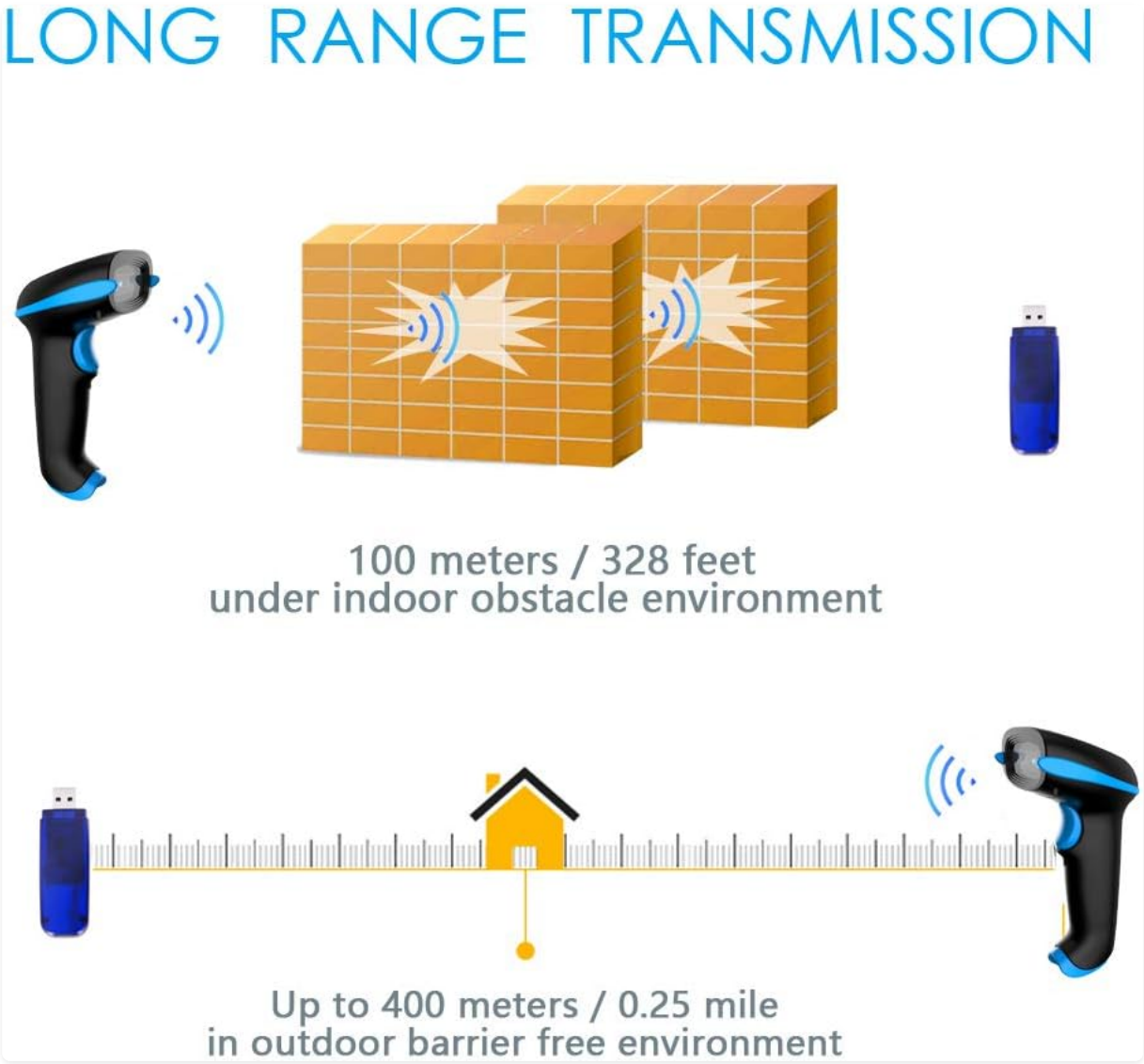

Image 2.2: Visual representation of the scanner's long-range transmission, showing up to 100 meters indoors with obstacles and 400 meters in open environments.

Image 2.3: Depiction of the two data upload modes: instant upload to a connected computer and storage mode for offline data collection.

Image 2.4: The scanner demonstrating its ability to read barcodes from digital screens and paper using CMOS imaging technology.

Image 2.5: The scanner positioned on its hands-free stand, highlighting its flexibility and suitability for auto-sensing operation.

3. Package Contents

Please verify that all items are present in your package:

- NADAMOO Wireless 2D Barcode Scanner (Bur3072)
- Mini USB Receiver
- USB Charging Cable
- Adjustable Hands-Free Stand
- User Manual (this document)

4. Setup Guide

4.1 Charging the Scanner

Before first use, ensure the scanner is fully charged. Connect the USB charging cable to the scanner's charging port and the other end to a USB power source (e.g., computer USB port, USB wall adapter). The indicator light will show charging status.

4.2 Connecting the Scanner

The scanner offers two primary connection methods:

4.2.1 Wireless Connection (Recommended)

1. Insert the Mini USB Receiver into an available USB port on your computer or host device.
2. Turn on the barcode scanner. It should automatically pair with the receiver. A successful connection is usually indicated by a specific beep sound or LED indicator on the scanner.
3. The scanner will function as a keyboard input device. Open a text editor (e.g., Notepad, Word) and scan any barcode to test the connection. The barcode data should appear in the text editor.

4.2.2 Wired Connection

1. Connect the USB charging cable directly from the scanner to a USB port on your computer.
2. The scanner will be recognized as a USB HID device. No additional drivers are typically required.
3. Test the connection by scanning a barcode into a text editor.

5. Operating Instructions

5.1 Basic Scanning

To scan a barcode, aim the scanner's light beam at the center of the barcode. Ensure the entire barcode is within the scanning area. Press the trigger button (if in manual mode) or present the barcode (if in auto-sensing/continuous mode). A successful scan is indicated by a beep and/or a green light.

5.2 Trigger Modes Configuration

The scanner supports three trigger modes. To switch between modes, scan the corresponding configuration barcode from the included quick setup guide or the full user manual (PDF available online). Common modes include:

- **Manual Trigger Mode:** Requires pressing the trigger for each scan. (Default mode)
- **Auto-sensing Mode:** The scanner automatically detects and scans barcodes when they enter its field of view, ideal for use with the hands-free stand.
- **Continuous Scanning Mode:** The scanner continuously emits a scanning light and reads any barcode it detects without requiring a trigger press.

5.3 Data Upload Modes

The scanner can operate in two data upload modes:

- **Instant Upload Mode:** Scanned data is immediately transmitted to the connected device. This is the standard operating mode when within wireless range or connected via USB.
- **Storage Mode:** When out of wireless range, the scanner can store up to 10,000 barcodes in its

internal memory. To upload stored data, bring the scanner back into range or connect via USB, then scan the "Upload Data" configuration barcode (refer to the full manual).

6. Maintenance

6.1 Cleaning

To maintain optimal performance, regularly clean the scanner's lens and exterior. Use a soft, lint-free cloth slightly dampened with water or a mild, non-abrasive cleaning solution. Avoid using harsh chemicals, solvents, or abrasive materials that could damage the scanner.

6.2 Battery Care

- Charge the battery fully before first use.
- Avoid completely draining the battery frequently, as this can reduce its lifespan.
- If storing the scanner for an extended period, charge the battery to approximately 50% and store in a cool, dry place.
- Do not expose the scanner to extreme temperatures.

6.3 Storage

Store the scanner in a clean, dry environment away from direct sunlight, excessive heat, or cold. When not in use, it is recommended to place the scanner on its stand or in a protective case to prevent damage.

7. Troubleshooting

Problem	Possible Cause	Solution
Scanner not connecting to computer.	USB receiver not properly inserted; scanner not powered on; out of wireless range; driver issue.	Ensure receiver is fully inserted. Turn on scanner. Move scanner closer to receiver. Try a different USB port. Restart computer.
Scanner not reading barcodes.	Barcode damaged/unreadable; incorrect trigger mode; insufficient lighting; scanner lens dirty; barcode type not enabled.	Check barcode integrity. Verify trigger mode (e.g., manual, auto-sensing). Ensure adequate lighting. Clean scanner lens. Scan configuration barcodes to enable specific barcode types if necessary.
Scanned data is incorrect or incomplete.	Partial scan; incorrect data format settings.	Ensure the entire barcode is within the scan area. Refer to the full manual for data format configuration barcodes (e.g., adding prefix/suffix).
Scanner beeps but no data appears.	Not connected to host device; application not ready for input.	Confirm wireless connection (receiver inserted, scanner paired). Ensure the cursor is active in the target application (e.g., text editor, spreadsheet).
Battery drains quickly.	Frequent use; aging battery; continuous scanning mode enabled unnecessarily.	Charge scanner fully. Consider replacing battery if old. Switch to manual or auto-sensing mode when not actively scanning to conserve power.

For more detailed troubleshooting or advanced configurations, please refer to the complete user manual available for download from the NADAMOO website or contact customer support.

8. Specifications

Feature	Detail
Model Number	Bur3072
Decoding Capability	1D: UPC, EAN, Code128, Code39, Code11, Code93, Codebar, MSI, GS1, Matrix 2 of 5, Interleaved 2 of 5, Industrial 2 of 5, Standard 2 of 5. 2D: QR Code, PDF417, Data Matrix, Aztec Code, Maxicode.
Sensor Type	CMOS Imager
Connectivity	433MHz Wireless (with Mini USB Receiver), USB 2.0 Wired
Wireless Range	Up to 400m (0.25 mile) in open space; Up to 100m (328 feet) indoors with obstacles.
Internal Storage	Up to 10,000 barcodes (in Storage Mode)
Battery Type	1 Lithium Ion battery (required)
Item Weight	11.4 ounces (approximately 323 grams)
Dimensions	7.05 x 4.25 x 3.39 inches (Package Dimensions)
Compatible Devices	Laptop, Desktop, Smartphone (via compatible adapters/OTG if applicable)

9. Warranty and Support

NADAMOO products are designed for reliability and performance. For information regarding warranty coverage, please refer to the warranty card included with your product or visit the official NADAMOO website.

For technical support, troubleshooting assistance, or any inquiries about your NADAMOO QR Code Scanner, please contact NADAMOO customer service. You can often find contact information on the manufacturer's website or through your point of purchase.

Visit the official NADAMOO Store for more products and information:NADAMOO Store