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NADAMOO Bur3003

NADAMOO Wireless Barcode Scanner Bur3003 User Manual

Model: Bur3003

1. INTRODUCTION

This manual provides detailed instructions for the setup, operation, and maintenance of your NADAMOO Wireless Barcode Scanner, model Bur3003. Please read this manual thoroughly before using the device to ensure proper functionality and to prevent damage.



Image 1.1: NADAMOO Wireless Barcode Scanner Bur3003 with its USB receiver.

2. PRODUCT FEATURES

- **Wireless Transmission:** Up to 400m (437 yd) in open air, 100m (328 ft) indoors.
- **Battery Life:** 2600mAh rechargeable battery, providing approximately 35 hours of continuous scanning or 30 days of daily use (2000 scans/day).
- **Connection Modes:** Wireless (via USB dongle) and Wired (via USB cable).
- **Pairing Modes:** One-to-one (one scanner to one receiver) and Multiple-to-one (multiple scanners to one receiver).
- **Working Modes:** Instant Upload Mode and Storage Mode (up to 100,000 barcodes).
- **Scanning Modes:** Manual trigger scan or Automatic continuous scan.
- **Compatibility:** Works with Windows, Mac OS, and Linux operating systems. Requires USB port.

3. SETUP GUIDE

3.1 Initial Charging

Before first use, ensure the scanner has sufficient power. The red indicator light on top of the scanner will flash three times if the power is below 30%. Please charge the scanner immediately. The red light will flash continuously during charging and turn off when fully charged. A full charge takes approximately 4 to 5 hours.



Image 3.1: Battery capacity and usage duration.

3.2 Connection Methods

The scanner supports both wireless and wired connections.

2-in-1 Connections

Plug & Play, no driver needed



Wireless



USB Wired



Mac



Windows



Linux



PC



Laptop



Phone



Tablet

Image 3.2: Available connection methods and device compatibility.

3.2.1 Wireless Connection

1. Plug the USB receiver into an available USB port on your computer.
2. Within 30 seconds of plugging in the receiver, scan the following configuration barcodes in order:

How to Set Up

1. Make sure the scanner has enough power before use.

Low battery level indication

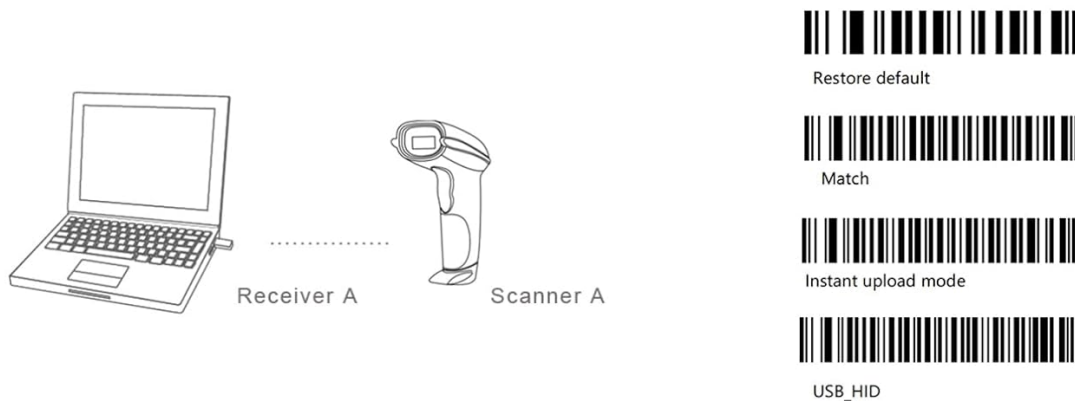
* The red indicator light on the top of scanner flashes three time, it indicates that the power is less than 30%. Please charge the scanner as soon as possible.

* The red light flashes three times and then cut down automatically, it indicates that the scanner enter into low voltage cut off mode. At that time, the scanner cannot be powered as it . please charge scanner.

Charging indicator:

The red indicator light on the top of the scanner will flash all the time during charging; And it will go off when the scanner is fully charged.

2. Plug the receiver into your computer, within 30 seconds, scan following codes in order.



NOTE:

30 seconds after the receiver is inserted, the scanner cannot match the receiver.

If the pairing failed and made a "di-en" sound, please unplug the USB receiver and plug it again, then scan the code "match" again.

3. Open Word on computer, put cursor to the blank, scan a barcode to see if it can be uploaded.

Image 3.3: Barcodes for initial wireless setup.

- Scan the '**Restore default**' barcode.
- Scan the '**Match**' barcode.
- Scan the '**Instant upload mode**' barcode.
- Scan the '**USB_HID**' barcode.

Note: If the pairing fails (indicated by a 'di-en' sound), unplug the USB receiver, plug it back in, and rescan the 'Match' barcode.

The wireless frequency offers freedom of movement. The transmission distance can reach up to 400m (437 yd) in an open, barrier-free environment and up to 100m (328 ft) in environments with obstacles.

Stronger penetration

Longer transmission distance



Image 3.4: Wireless transmission range capabilities.

3.2.2 Wired Connection

Connect the scanner directly to your device using the provided USB cable. In wired mode, the scanner can be used while charging.

3.3 Pairing Modes

The scanner supports two pairing configurations:

- **One Scanner-to-One Receiver:** Each scanner transmits data to its dedicated USB receiver. Multiple units can operate independently in the same area without interference.
- **Multiple Scanners-to-One Receiver:** Up to 32 scanners can transmit data to a single USB receiver. This is suitable for environments where multiple users scan to one central computer.

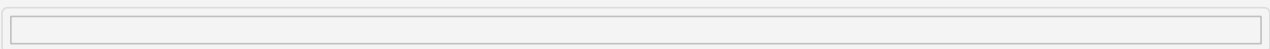


Image 3.5: Illustration of one-to-one and multiple-to-one pairing modes.

4. OPERATING INSTRUCTIONS

4.1 Scanning Modes

The scanner offers two primary scanning modes:

- **Instant Upload Mode:** Barcode data is transmitted to your connected device immediately after scanning.
- **Storage Mode:** Barcodes are stored in the scanner's internal memory (up to 100,000 codes) and can be uploaded to your device later. This is useful when operating outside the wireless transmission range.



Image 4.1: Instant Upload and Storage Modes.

Additionally, you can choose between manual trigger scanning or automatic scanning:

- **Manual Scan:** Press the trigger button to initiate each scan.
- **Automatic Scan:** The scanner continuously scans without requiring a button press. Refer to the full user manual for the specific barcode command to switch to automatic mode.

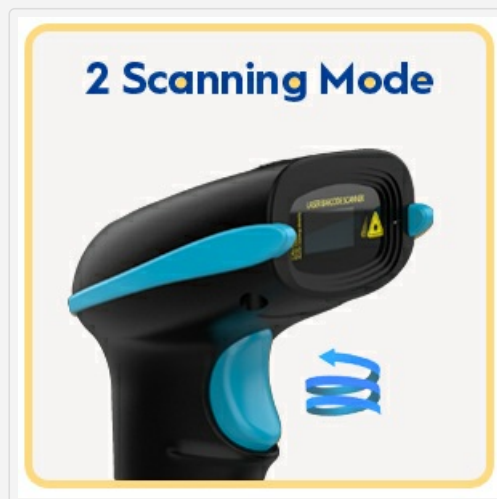


Image 4.2: Two scanning modes.

4.2 Supported Barcode Types

The NADAMOO Bur3003 scanner is designed to read 1D linear barcodes. It is not compatible with 2D barcodes such as QR codes, Data Matrix, MaxiCode, PDF417, or Aztec codes.



Image 4.3: Supported 1D barcode types.

The scanner supports various 1D barcode formats, including reverse barcodes and those with 2 or 5 extra codes.



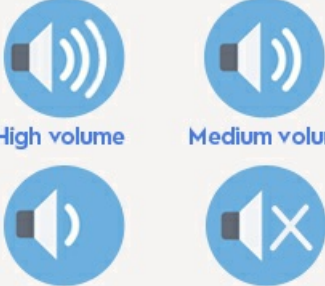
Image 4.4: Examples of supported 1D barcode variations.

4.3 Advanced Settings

The scanner offers several customizable settings, configurable by scanning specific barcodes found in the comprehensive user manual.

- **Adjustable Beep:** Control the volume of the scan confirmation beep (High, Medium, Low, Off).
- **Adjustable Speed:** Modify the scanning speed.
- **Language Support:** Supports 25 languages, including English, German, Spanish, French, Italian, and Brazilian Portuguese.
- **Duplicate Barcode Detection:** Enable or disable detection of duplicate barcode scans.
- **Intelligent Group Data Editing:** Configure prefix/suffix addition, character deletion, and embedding characters between data based on barcode type or specific location.

Adjustable Beep



High volume Medium volume

Low volume Off

Adjustable Beep

Adjustable Speed



1254897523 445752121
445752121
783135312

Adjustable Speed

Support 25 Languages



English German Spanish

French Italian Brazilian

Support for 25 Languages



Duplicate Barcode Detection

Intelligent Group Data Editing






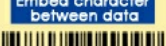







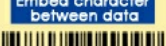






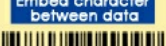




 NADAMOO Bur3003 series Scanner	Data editing by barcode type grouping	Data editing by location grouping							
	<p>Example :</p> <p>When scanning USPS Code128 , delete first 8 characters.</p> <p>When scanning Code39, delete first 2 characters and add 2 TAB-characters in between code39.</p> <p>When scanning UPC barcode, delete last character.</p> <p>When scanning other barcode types, the data will not be edited.</p>	<table style="width: 100%; text-align: center;"> <tr> <td style="width: 50%;"> <p>Add Prefix</p>  ABC123456789 </td> <td style="width: 50%;"> <p>Delete Prefix</p>  123456789 </td> </tr> <tr> <td> <p>Add Suffix</p>  123456789ABC </td> <td> <p>Delete Suffix</p>  123456789 </td> </tr> <tr> <td> <p>Embed character between data</p>  1234ABC56789 </td> <td> <p>Delete character Between data</p>  123456789 </td> </tr> <tr> <td> <p>Embed character between data</p>  12A34B567C89 </td> <td> <p>Delete character Between data</p>  123456789 </td> </tr> </table>	<p>Add Prefix</p>  ABC123456789	<p>Delete Prefix</p>  123456789	<p>Add Suffix</p>  123456789ABC	<p>Delete Suffix</p>  123456789	<p>Embed character between data</p>  1234ABC56789	<p>Delete character Between data</p>  123456789	<p>Embed character between data</p>  12A34B567C89
<p>Add Prefix</p>  ABC123456789	<p>Delete Prefix</p>  123456789								
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<p>Embed character between data</p>  12A34B567C89	<p>Delete character Between data</p>  123456789								
 No-branded Scanner	No barcode type grouping Once set, the data of all barcode types will be edited.	No location grouping Can not embed or delete character in between data or at the specified location.							

Image 4.5: Intelligent Group Data Editing features.

5. MAINTENANCE

5.1 Battery Care

The scanner is equipped with a 2600mAh Lithium Ion battery. To maximize battery life:

- Charge the scanner fully before its first use.
- Avoid completely draining the battery regularly.
- Store the scanner in a cool, dry place when not in use for extended periods.

5.2 Cleaning

Use a soft, dry cloth to clean the scanner's exterior. Do not use abrasive cleaners or solvents, as these can damage the device.

6. TROUBLESHOOTING

6.1 Scanner Not Reading Barcodes Accurately

If the scanner is not reading barcodes correctly or producing unexpected results:

- **Incorrect Barcode Type:** Ensure the scanner is configured for the specific barcode type you are scanning. Refer to the full user manual for barcode commands to switch between types.
- **Damaged Barcode:** The barcode might be damaged, smudged, or poorly printed. Try scanning a different, known-good barcode.
- **Quiet Zones:** Ensure there is sufficient clear space (quiet zones) around the barcode. The scanner requires at least 1/4 inch of clear space on both sides of a 1D barcode.
- **Check Digit Issues:** If the scanner expects a check digit and the barcode does not have one, or vice versa, it may fail to scan. Adjust settings if necessary.

FAQ

Why does scanner not read the barcode exactly? When I use the scanner to read a barcode of an item, i get a different result from the barcode itself.

Example 1. There are two separate barcodes together. It scanned the first 12 digits in the barcode but not the last five.

Solution: Please scan the code "UPC/EAN extra code-ON" on page 24.

Example 2. The original UPCE barcoe is "01234565", but the program ask for filling in 12 digits on the cell.

Solution: Please scan the setting code "UPCE to UPCA-On" on page 24.

Example 3. The original barcode is "abc12345", the scanning result is "+A+B+C+D12348", the scanner put "+" between character.

Solution: Please scan the code "Code 39 FULL ASCII-On" on page 25.

If i scan a product barcode, will it include the name of the product in the file automatically?

Answer:

The scanner works like a keyboard. The scanner does not interpret what the barcode is, it just "types" out a string of alphabet numeric characters that the barcode represents. It's up to the database software you are using to interpret what that string of characters means. Once you acquire the barcodes, you have to correlate them to something more meaningful by either purchasing a software service that will interpret the barcode and relate it to a product, or you can use your own internal inventory system to assign the barcodes to specific products.

After creating the relationship between your barcode and the corresponded information, when you enter the barcode into the software by the scanner, your software will look up the barcode and then output the related information of your product.

Is the scanner compatible with my Square software?

Answer:

Not completely compatible with Square POS, as Square has its own custom scanner to prevent user to use barcode scanner of other brand in Square system. Our Barcode scanner can scan item barcode into search box and it will automatically search the item, but you have to manually click searched item to add it to the bill.

6.2 Wireless Connection Issues

- **Re-pairing:** If the scanner loses connection, unplug the USB receiver, plug it back in, and rescan the 'Match' barcode (refer to Section 3.2.1).
- **RF Interference:** Wireless performance can be affected by radio frequency (RF) noise from other devices or the computer itself. If experiencing intermittent connection, try using a USB extension cable to position the receiver away from the computer's main chassis.
- **Distance/Obstacles:** Ensure the scanner is within the effective transmission range (100m indoors, 400m open air) and minimize physical obstacles between the scanner and receiver.

6.3 Compatibility with Square POS

The NADAMOO Bur3003 scanner is not fully compatible with Square POS systems. While it can scan item barcodes into a search box, you may need to manually select the item to add it to a transaction. Square POS often uses its own custom scanners.

7. SPECIFICATIONS

Feature	Specification
Model Number	Bur3003
Brand	NADAMOO
Connectivity Technology	USB Cable, Wireless (433MHz)
Transmission Distance	Up to 400m (open air), 100m (indoors)
Battery	1 Lithium Ion (2600mAh)
Item Weight	10.8 ounces
Package Dimensions	7.05 x 4.17 x 3.35 inches
Compatible Devices	Desktop, Laptop
Operating Systems	Windows, Mac OS, Linux
Supported Barcodes	1D Linear Barcodes

8. WARRANTY AND SUPPORT

For warranty information or technical support, please refer to the product packaging or contact NADAMOO customer service directly. Contact details can typically be found on the manufacturer's official website or through your point of purchase.