

[Manuals.plus](#) /

› [NetumScan](#) /

› NetumScan NSL5 Wired USB 1D 2D Barcode Scanner Instruction Manual

NetumScan NSL5

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Instruction Manual

INTRODUCTION

This manual provides detailed instructions for the setup, operation, and maintenance of your NetumScan NSL5 Wired USB 1D 2D Barcode Scanner. Please read this manual thoroughly before using the device to ensure proper functionality and to prevent damage.

PRODUCT OVERVIEW

The NetumScan NSL5 is a high-performance wired barcode scanner designed for efficient and accurate data capture. It supports both 1D and 2D barcodes, including QR codes and Data Matrix, from various surfaces such as paper and digital screens. Its robust design ensures durability in diverse environments.



Figure 1: NetumScan NSL5 Wired USB 1D 2D Barcode Scanner. This image shows the ergonomic design of the scanner with its blue trigger button and USB cable connection.

FEATURES

- **Excellent Recognition Capability:** Equipped with an upgraded CMOS sensor and a 32-bit CPU, the scanner offers high-speed and accurate reading, capable of up to 300 scans per second. It can read 1D and 2D barcodes (QR, PDF417, Data Matrix, etc.) from both printed materials and digital screens. It effectively scans distorted, dirty, damaged, blurry, or reflective barcodes.

Three Scanning Modes

① Key Trigger Mode

② Continuous Scan Mode

③ Auto-induction mode



Figure 2: The scanner's advanced decoding capability allows it to read various barcode conditions, including frayed, folded, profiled, color, 1D, and 2D codes. Example barcode data shown: 02312846837219, 1235489796529.

- **Three Scanning Modes:** The device supports Key Trigger Mode, Auto-Induction Mode, and Continuous Mode for flexible operation.



Figure 3: Visual representation of the three available scanning modes: Key Trigger Mode (manual scan), Continuous Scan Mode (constant scanning), and Auto-induction Mode (scans when a barcode is detected).

- **Plug and Play Functionality:** Connects directly to a standard USB port without requiring driver installations or external power.
- **System Compatibility:** Works seamlessly with Windows, Linux, and MacOS operating systems. Compatible with common software applications such as Quickbook, Word, Excel, and Novell.

Quick Capture 1D&2D Barcode on the Screen



Figure 4: The scanner is compatible with PC and Laptop devices, supporting Windows, Linux, and Mac OS operating systems via USB Plug & Play.

- **Professional Shockproof Design:** Features a silicone protective cover that safeguards the device from scratches and abrasions, withstanding drops from up to 6.56 feet (2 meters). IP54 rated for protection against dust and moisture.

SETUP

Setting up your NetumScan NSL5 barcode scanner is a straightforward process:

1. Unpack the scanner and its USB cable from the packaging.
2. Connect the USB cable to the scanner's port.
3. Plug the other end of the USB cable into an available USB port on your computer (PC or Laptop).
4. The operating system (Windows, Linux, or MacOS) will automatically detect and install the necessary drivers. No manual driver installation is required.
5. Once the installation is complete, the scanner is ready for use. Open any text editor, spreadsheet, or compatible software to test scanning.

OPERATING MODES

The NetumScan NSL5 offers three distinct scanning modes to suit various operational needs:

- **Key Trigger Mode:** In this mode, the scanner will only activate and read a barcode when the trigger button is pressed. This is ideal for precise scanning of individual items.
- **Auto-Induction Mode:** The scanner automatically detects a barcode within its scanning range and initiates a scan without the need to press the trigger. This mode is useful for hands-free operation.
- **Continuous Mode:** The scanner emits a continuous scan beam, reading any barcode that passes through its field of view. This mode is suitable for high-volume scanning environments.



Figure 5: The scanner can quickly capture 1D and 2D barcodes displayed on digital screens, such as a smartphone. Example barcode data shown: ISBN 9781565924796, 0104601234567893.

BARCODE COMPATIBILITY

The NetumScan NSL5 is designed to read a wide range of 1D and 2D barcode symbologies:

- **1D Barcodes:** UPC/EAN, Code128, Code39, Code11, Codabar, Interleaved 2 of 5, Industrial 2 of 5, Matrix 2 of 5, MSI, GS1

DataBar, etc.

- **2D Barcodes:** PDF417, Data Matrix, QR Code, Micro QR, Aztec Code, Maxicode, etc.



Figure 6: The scanner supports various 2D barcode formats, including Micro PDF417, standard PDF417, and QR Code.

CONFIGURATION (ADVANCED)

The scanner can be configured for specific behaviors, such as adding or deleting characters from scanned data. These configurations are typically performed by scanning special programming barcodes found in the full user manual (PDF). For example, you can set prefixes or suffixes to the scanned data.



Figure 7: Example of barcode configuration, demonstrating how to insert or delete characters (e.g., "NetumScan") before or after the scanned barcode data.

MAINTENANCE

To ensure the longevity and optimal performance of your scanner, follow these maintenance guidelines:

- Keep the scanner clean. Use a soft, dry cloth to wipe the exterior. For the scanning window, use a lens cleaning cloth to avoid scratches.
- Avoid exposing the scanner to extreme temperatures, direct sunlight, or high humidity.
- Do not use harsh chemicals or abrasive cleaners on the device.

- Store the scanner in a safe place when not in use to prevent accidental drops or damage.

TROUBLESHOOTING

If you encounter issues with your NetumScan NSL5, refer to the following common problems and solutions:

Problem	Possible Cause	Solution
Scanner does not power on.	USB cable not properly connected or faulty USB port.	Ensure the USB cable is securely connected to both the scanner and the computer. Try a different USB port.
Scanner does not read barcodes.	Incorrect scanning mode, barcode damaged/unreadable, or scanner window dirty.	Check the scanning mode. Ensure the barcode is clear and within range. Clean the scanner window. Try scanning a different, known good barcode.
Scanned data appears incorrectly.	Keyboard language mismatch or incorrect configuration.	Ensure your computer's keyboard language matches the scanner's default setting. Refer to the full user manual for advanced configuration barcodes to adjust data formatting.
Scanner beeps but no data is transmitted.	Application not in focus or not accepting input.	Click into the desired text field in your application to ensure it is active and ready to receive input.

SPECIFICATIONS

Specification	Detail
Brand	NetumScan
Model Number	NSL5
Connection Technology	USB Cable
Scan Rate	300 fps (frames per second)
CPU	32-bit
Sensor Type	CMOS
Drop Resistance	Up to 6.56 feet (2 meters)
Ingress Protection (IP) Rating	IP54 (Dust and moisture protected)
Operating Systems	Windows, Linux, MacOS
Country of Origin	China

WARRANTY AND SUPPORT

Your NetumScan NSL5 Barcode Scanner comes with a **1-year manufacturer warranty** from the date of purchase. This warranty covers defects in materials and workmanship under normal use.

For technical support, warranty claims, or further assistance, please contact NetumScan customer service through the retailer where you purchased the product or visit the official NetumScan website for contact information.

Please retain your proof of purchase for warranty purposes.

ASK A QUESTION ABOUT THIS MANUAL

Ask about setup, troubleshooting, compatibility, parts, safety, or missing instructions. Manuals+ will review the question and use this page's manual context to help answer it.

Name

Anonymous

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After a successful submission, we securely hash the supplied account or form email before sending it to Microsoft Advertising for conversion attribution. [Privacy details](#).

Question

Example: How do I reset this device or fix this error?

Details

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

Submit question