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NYEAR NT800-U

NYEAR 2D&1D&QR USB Barcode Scanner User Manual

Model: 2D Wired (NT800-U)

Product Overview

The NYEAR 2D&1D&QR USB Barcode Scanner (Model NT800-U) is a versatile handheld device designed for efficient barcode reading. It supports both 1D and 2D (including QR) barcodes from various media, such as printed labels and digital screens. This wired scanner offers plug-and-play functionality via USB, making it suitable for use with tablets, computers, POS systems, and cashier stations. It features a durable, anti-shock design and comes with a standard configuration bracket for automatic scanning modes.

Package Contents

Upon opening the package, verify that all components are present. The standard package for the NYEAR NT800-U Barcode Scanner includes the following items:

- NYEAR 2D&1D&QR USB Barcode Scanner (NT800-U)
- USB Cable (1.5 meters, integrated)
- Adjustable Stand/Bracket
- User Manual (Quick Start Guide)

Your browser does not support the video tag.

Video: Unboxing the NYEAR NT800-U Barcode Scanner. This video demonstrates the contents of the product packaging and the initial setup of the scanner and its stand.

Product Components

Familiarize yourself with the key components of the NYEAR barcode scanner:

- **LED Indicator:** Provides visual feedback on scanner status (e.g., power, successful scan).
- **Buzzer:** Emits audible alerts for successful scans or errors.
- **Scan Window:** The area through which the barcode is read.
- **Trigger:** Activates the scanning beam when pressed.
- **Connection Port:** USB port for connecting the scanner to a host device.
- **Stent Installation:** Points for attaching the scanner to its included stand.



Image: Detailed view of the NYEAR barcode scanner highlighting its main components and their functions.



Image: The NYEAR barcode scanner mounted on its adjustable stand.



Image: The adjustable stand, demonstrating its 70-degree windmill rotation capability for flexible positioning.

Setup Instructions

The NYEAR NT800-U barcode scanner is designed for simple plug-and-play operation. No additional drivers or software installation is typically required for basic functionality.

1. **Connect the USB Cable:** Locate the USB cable attached to the scanner.
2. **Plug into Host Device:** Insert the USB connector into an available USB port on your computer, laptop, POS system, or tablet.
3. **Power On:** The scanner will typically power on automatically once connected. The LED indicator may light up to confirm power.

4. **Install Stand (Optional):** If using the stand for hands-free operation, assemble the stand components as shown in the unboxing video and secure the scanner onto it.

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Video: Demonstration of basic function and scan effect. This video illustrates connecting the scanner and performing scans on various barcode types.

Operating Instructions

The NT800-U scanner can read 1D, 2D, and QR barcodes from both printed materials and digital screens.

1. **Handheld Scanning:** Hold the scanner with the scan window facing the barcode. Press the trigger button to activate the scanning beam. Position the beam over the entire barcode. A successful scan will be indicated by a beep and/or a change in the LED indicator.
2. **Automatic Scanning (with Stand):** When the scanner is placed on its stand, it can be configured for automatic scanning. In this mode, the scanner will continuously or automatically detect and read barcodes placed within its scan field without requiring the trigger to be pressed. Refer to the included Quick Start Guide for specific programming barcodes to enable automatic mode.
3. **Scanning from Screens:** The CMOS image sensor allows the scanner to read barcodes displayed on LCD screens, such as those on smartphones, tablets, or computer monitors. Ensure the screen brightness is sufficient for optimal reading.
4. **Offline Storage:** The scanner supports offline storage of up to 60,000 QR codes. This feature allows you to scan barcodes even when not connected to a host device, and then upload the data later. Consult the user manual for instructions on enabling and managing offline storage.



Image: The scanner's capability to read various barcode types from both printed and screen sources, highlighting its compatibility with Mac OS, Windows, and Linux operating systems. An example barcode NYEAR-123456-PERFECT is shown.

Maintenance

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

- **Cleaning:** Regularly wipe the scan window with a soft, lint-free cloth. For stubborn smudges, a slightly dampened cloth with water or a mild, non-abrasive cleaner can be used. Avoid harsh chemicals or abrasive materials.
- **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, as this can damage internal wires.
- **Impact Protection:** While the scanner features a rugged anti-shock design (tested for drops up to 1.5m), avoid unnecessary drops or impacts to prevent potential damage.



Image: The anti-shock design of the scanner, indicating its durability against drops from up to 1.5 meters.

Troubleshooting

If you encounter issues with your NYEAR barcode scanner, refer to the following common troubleshooting steps:

Problem	Possible Cause	Solution
Scanner does not power on.	USB cable not properly connected or faulty USB port.	Ensure the USB cable is securely plugged into both the scanner and the host device. Try a different USB port or a different host device.

Problem	Possible Cause	Solution
Scanner does not read barcodes.	Barcode damaged, poor lighting, incorrect scanning angle, or scanner in an incompatible mode.	Ensure the barcode is clear and undamaged. Adjust lighting conditions. Vary the distance and angle of the scanner to the barcode. Ensure the scanner is not in a mode that disables certain barcode types. Refer to the Quick Start Guide for factory reset or mode programming barcodes. Note: Not suitable for reading barcodes from silver foil paper that reflects light.
Scanned data is incorrect or incomplete.	Partial scan, incorrect data format settings, or interference.	Ensure the entire barcode is within the scan beam. Check the host application's input settings. If using programming barcodes, ensure the correct settings for data suffix/prefix are applied.
Scanner intermittently fails to scan or laser is too narrow.	Internal issue or specific barcode type not supported.	Try resetting the scanner to factory defaults using the programming barcodes in the manual. If the issue persists, contact NYEAR customer support.

For advanced configuration or persistent issues, refer to the comprehensive user manual (if available for download) or contact NYEAR customer support.

Specifications

Feature	Detail
Model Number	NT800-U (2D Wired)
Decoding Capability	1D, 2D, QR Barcodes (from printed and screen media)
Connectivity	USB Wired (1.5M cable)
Sensor Type	CMOS Image
Offline Storage	Supports up to 60,000 QR Codes (offline)
Durability	Rugged Anti-Shock Design (bears drops from 5 ft / 1.5m height)
Product Dimensions	6.38 x 3.94 x 2.87 inches
Item Weight	8 ounces
Compatible Devices	Laptop, Desktop, POS, Tablet, Smartphone
Power Source	Corded Electric, USB Cable
Manufacturer	NYEAR
Country of Origin	China

Warranty and Support

NYEAR is committed to providing reliable office essentials. For any product-related inquiries, technical assistance, or warranty claims, please contact NYEAR customer support. Information regarding specific warranty periods and support channels can typically be found on the official NYEAR website or through the seller's contact information provided at the point of purchase. As per the manufacturer's information, NYEAR aims to provide trusted solutions and continuous improvements to ensure product quality.

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