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NYEAR NT1000-1D

NYEAR Mini 1D Barcode Reader NT1000-1D Instruction Manual

Model: NT1000-1D

1. Introduction

This manual provides detailed instructions for the NYEAR Mini 1D Barcode Reader, model NT1000-1D. Please read this guide thoroughly before operating the device to ensure correct usage, optimal performance, and proper maintenance. This device is designed for efficient 1D barcode scanning in various environments, including retail, offices, logistics, warehouses, and libraries.

2. Product Overview

2.1 Package Contents

Upon unpacking, verify that all the following items are included in your package:

- NYEAR Mini 1D Barcode Reader (NT1000-1D)
- USB Charging/Data Cable
- Bluetooth Adapter
- User Manual (this document)



The image displays the complete package contents: the NYEAR NT1000-1D barcode scanner, a USB charging/data cable, a Bluetooth adapter for wireless connectivity, and the user manual.

2.2 Key Features

- **Bluetooth 4.0 Wireless Connectivity:** Enables easy connection to various devices without driver installation (Plug and Play).
- **Wide Compatibility:** Supports connection with Windows PCs, iOS devices, and Android devices.
- **High-Capacity Battery:** Equipped with a 1500mAh long-life lithium-ion battery, supporting 2A fast charging and up to 30 days of standby time. Charges via USB cable.
- **Offline Storage:** Features 16MB of built-in memory, capable of storing tens of thousands of 100-digit barcodes for offline scanning operations.
- **High Performance:** Utilizes a 32-bit high-speed CPU, achieving a scan speed of 200 scans per second.
- **Strong Decoding Capability:** Supports various 1D barcode types, including EAN, UPC A, UPC E, ITF 14, NW 7 (Codabar), Code39, CODE93, Code128, and GS1-128.
- **Compact and Portable Design:** Lightweight at 150g with dimensions of 12.4 x 6.2 x 6.1 cm, making it easy to handle and carry.

- **Type-C Interface:** Modern USB Type-C port for both charging and data transmission.
- **Wireless Transmission Range:** Offers a transmission distance of up to 10 meters.



The image displays the compact dimensions of the scanner (L108*W49*H21mm), its Type-C USB interface for charging and data, and highlights the 1500mAh large capacity lithium-ion battery.



This image demonstrates the comfortable grip of the scanner and the placement of its main scan button, indicating ease of use.

3. Setup

3.1 Charging the Device

Before first use, fully charge the barcode reader. Connect the provided USB cable to the Type-C port on the scanner and the other end to a USB power adapter (not included) or a computer's USB port. The indicator light will show charging status.

3.2 Powering On/Off

To power on the device, press and hold the main scan button for a few seconds until the indicator light illuminates. To power off, press and hold the main scan button again until the light turns off.

3.3 Bluetooth Pairing

1. Ensure the barcode reader is powered on.
2. On your host device (PC, iOS, Android), enable Bluetooth.
3. Search for available Bluetooth devices. The scanner should appear as "NYEAR Barcode Scanner" or similar.

4. Select the scanner to pair. No PIN is typically required for this device.
5. Once paired, the scanner's indicator light will change, confirming a successful connection.

3.4 USB Connection

Alternatively, you can connect the scanner directly to your computer using the USB cable. The device will function as a USB HID keyboard, and scanned data will be input directly into any active text field. No additional drivers are typically needed for this mode.

4. Operating Instructions

4.1 Basic Scanning

To scan a barcode:

1. Ensure the scanner is powered on and connected to your host device (via Bluetooth or USB).
2. Point the scanner's laser window at the barcode you wish to scan.
3. Press the main scan button. A red laser line will appear.
4. Position the laser line across the entire barcode. A successful scan will be indicated by an audible beep and/or a change in the indicator light.
5. The scanned data will be transmitted to your connected device.



The image illustrates the scanner's ability to read different 1D barcode types, showing a red laser line actively scanning a barcode. It indicates support for types like EAN, UPC, Code 128, and Code 39, while not supporting QR codes or Data Matrix.

4.2 Scanning Modes

The scanner supports different scanning modes. Refer to the included quick start guide or specific configuration barcodes (if provided) to switch between modes such as single scan, continuous scan, or automatic detection.

4.3 Offline Storage Mode

When out of Bluetooth range or not connected to a host device, the scanner can store scanned barcodes in its internal 16MB memory. To activate or deactivate offline storage mode, scan the appropriate configuration barcode (usually found in the quick start guide). Once reconnected, scan the "Upload Data" barcode to transfer all stored data to your host device.



This image shows the barcode reader wirelessly connected to a laptop, emphasizing its 10-meter transmission distance. It also notes that data can be stored internally if the transmission range is exceeded.

5. Maintenance

5.1 Cleaning

To maintain optimal scanning performance, keep the scanner's window clean. Use a soft, lint-free cloth lightly dampened with water or a mild cleaning solution. Avoid abrasive cleaners or solvents that could damage the device.

5.2 Battery Care

To prolong battery life:

- Avoid fully discharging the battery frequently.
- Charge the device regularly, even if not in constant use.
- Store the device in a cool, dry place away from extreme temperatures.

5.3 Storage

When not in use for extended periods, store the scanner in its original packaging or a protective case to prevent damage from dust or impacts.

6. Troubleshooting

- **Device not connecting via Bluetooth:**
  Ensure the scanner is powered on and fully charged. Turn off and on Bluetooth on your host device. Delete the scanner from your device's paired list and attempt to re-pair. Ensure the scanner is within the 10-meter transmission range.
- **Barcode not scanning:**
  Check if the scanner is powered on and the laser is active. Ensure the barcode is clean, undamaged, and well-lit. Adjust the distance between the scanner and the barcode; typically, a few centimeters to 20 centimeters is optimal. Verify that the barcode type is supported by the scanner.
- **"Low Power" warning or unexpected shutdown:**
  The battery level is low. Connect the scanner to a power source using the USB cable to recharge it.
- **Scanned data is incorrect or garbled:**
  Ensure the scanner is correctly paired and the input method on your host device is set appropriately (e.g., a text editor or spreadsheet). Try resetting the scanner to factory defaults by scanning the relevant configuration barcode (refer to the quick start guide).

7. Specifications

Feature	Specification
Model	NT1000-1D
Brand	NYEAR
Connectivity	Bluetooth 4.0, USB Type-C
Battery	1500mAh Lithium-ion
CPU	32-bit High-Speed Processor
Scan Speed	200 scans/second
Internal Memory	16MB (for offline storage)
Dimensions (L x W x H)	12.4 x 6.2 x 6.1 cm
Weight	150 g
Transmission Range	Up to 10 meters (Bluetooth)
Supported Barcodes	EAN, UPC A, UPC E, ITF 14, NW 7 (Codabar), Code39, CODE93, Code128, GS1-128

8. Warranty and Support

For warranty information, technical assistance, or customer support, please refer to the documentation provided at the time of purchase or contact your retailer. You may also visit the official NYEAR website for further resources and contact details.

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