NETUM NT-W6-X

NETUM NT-W6-X Bluetooth CCD 1D Wireless Barcode Scanner User Manual

Model: NT-W6-X

1. Introduction

This manual provides detailed instructions for the setup, operation, and maintenance of your NETUM NT-W6-X Bluetooth CCD 1D Wireless Barcode Scanner. Please read this manual thoroughly before using the device to ensure proper functionality and to maximize its lifespan.

2. Package Contents

Verify that all items are present in your package:

- NETUM NT-W6-X Barcode Scanner
- USB Charging Cable
- 2.4G USB Receiver
- Instruction Manual

Image 2.1: Contents of the NETUM NT-W6-X package, including the scanner, stand, USB cable, 2.4G USB receiver, and manual.

3. Product Overview

The NETUM NT-W6-X is a versatile CCD 1D barcode scanner designed for efficient data capture. It supports multiple connection modes and is compatible with various operating systems.

Image 3.1: Front view of the NETUM NT-W6-X barcode scanner, showing the scanning window, trigger button, USB receiver, and charging cables.

3.1 Key Features

- **CCD Image Scanning:** Capable of reading 1D barcodes from various surfaces, including computer screens.
- **Multiple Connection Modes:** Supports 2.4G Wireless, Bluetooth, and Wired USB connections.
- **Two Upload Modes:** Instant Upload and Storage Mode for flexible data management.
- **High Decoding Ability:** Reads damaged or blurred 1D barcodes with precision.
- **Wide Compatibility:** Works with Mac, Windows, iOS, Android, and Linux operating systems.
- **Durable Design:** Eco-friendly ABS material with silicone protective cover for enhanced durability.

Image 3.2: Illustration of the CCD Image Scanning technology, showing the scanner reading a barcode from a smartphone screen.

4. Setup

4.1 Charging the Scanner

Before initial use, fully charge the scanner. Connect the USB charging cable to the scanner and a power source (e.g., computer USB port, USB wall adapter). A full charge typically takes 3-4 hours.

Image 4.1: Visual representation of the scanner's 2000mAh battery, indicating 3-4 hours for a full charge and approximately 30 hours of scanning time.

4.2 Connection Modes

The NT-W6-X scanner offers three connection options:

Image 4.2: Diagram illustrating the three connection methods: Bluetooth (max 50m), 2.4GHz Wireless (max 100m), and Wired USB (1m cable).

4.2.1 2.4G Wireless Connection

This mode uses the included USB receiver for wireless communication.

1. Plug the 2.4G USB receiver into an available USB port on your computer.
2. The scanner will automatically connect to the receiver. No software installation is required.

The 2.4G wireless connection provides a transmission range of up to 100 meters (328 feet) in an outdoor barrier-free environment and up to 30 meters (98 feet) indoors with obstacles.

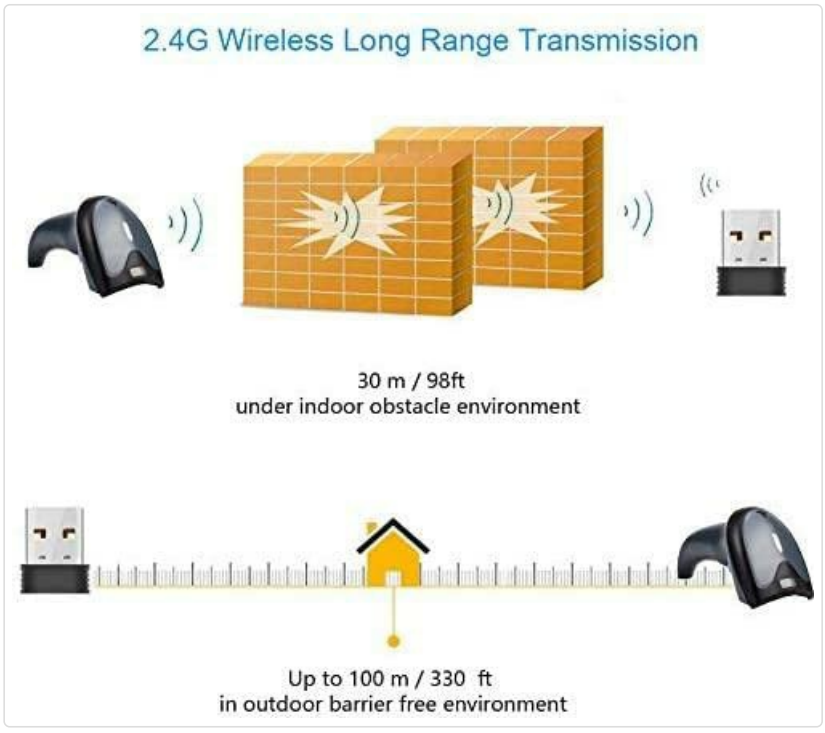


Image 4.3: Illustration of the 2.4G wireless transmission range, showing up to 30m indoors and 100m outdoors.

4.2.2 Bluetooth Connection

This mode allows connection to Bluetooth-enabled devices such as smartphones, tablets, and computers.

1. Turn on the scanner.
2. Activate Bluetooth on your host device (e.g., smartphone, tablet, computer).
3. Search for available Bluetooth devices and select the scanner (usually named 'NETUM Scanner' or similar).
4. Pair the devices. The scanner will indicate a successful connection.

The Bluetooth connection offers a range of up to 50 meters (164 feet).

Image 4.4: The NETUM NT-W6-X scanner with a Bluetooth logo, indicating its wireless connectivity capability.

4.2.3 Wired Connection

For a direct and stable connection, use the USB cable.

1. Connect the scanner to your computer using the provided USB cable.
2. The scanner will function as a wired device, and data will be transmitted directly.

Image 4.5: Diagram showing the scanner connecting to a computer via both 2.4GHz wireless (USB dongle) and wired USB cable, highlighting compatibility with PC, Laptops, iPad, and Phones.

4.3 Compatibility

The scanner is compatible with a wide range of devices and operating systems, including:

- Windows (7/8/10)
- Mac OS
- Linux
- Android
- iOS

Image 4.6: Icons representing compatibility with Mac OS, Linux, Windows, Android, and iOS, as well as computer, smartphone, and tablet devices.

5. Operating Instructions

5.1 Scanning Barcodes

Point the scanner's beam at the barcode and press the trigger button. A successful scan will typically be indicated by a beep and/or a light indicator.
For optimal scanning performance, ensure the scanner is held at the correct angle: Yaw (Skew) 45°, Pitch 60°.

Image 5.1: Illustration demonstrating the scanner's ability to read damaged and blurred barcodes, and its effective scanning angle up to 60 degrees.

5.2 Upload Modes

The scanner supports two data upload modes:

5.2.1 Instant Upload Mode

In this mode, scanned barcodes are immediately transmitted to your connected device.

5.2.2 Storage Mode

This mode allows you to scan and store barcodes in the scanner's internal memory. Data can then be uploaded in a batch to your device at a later time. The internal storage can save up to 5000 barcodes.

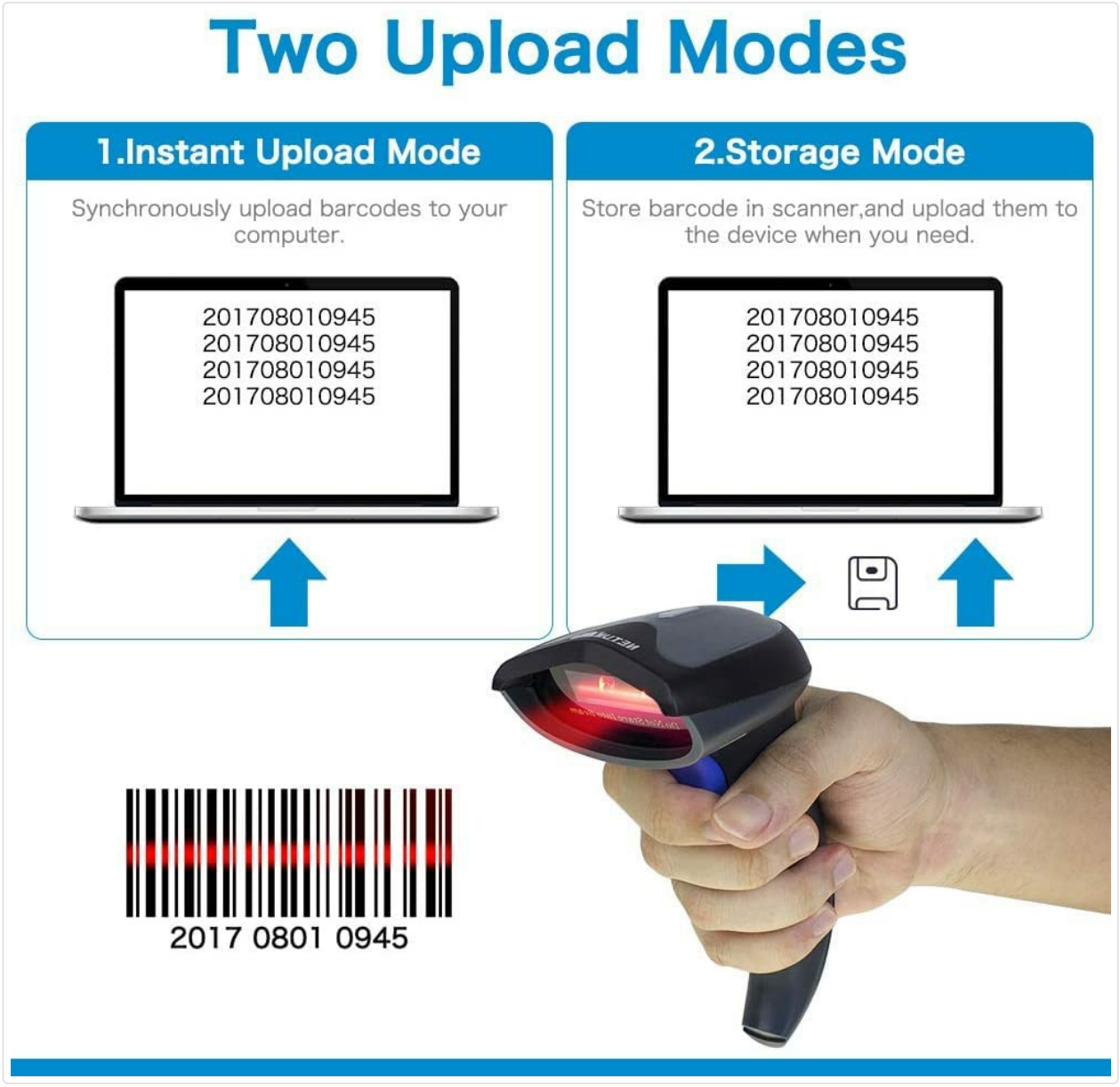


Image 5.2: Comparison of Instant Upload Mode, where barcodes are sent synchronously to a computer, and Storage Mode, where barcodes are saved internally and uploaded in batch.

Image 5.3: Simplified diagram showing the two upload modes: Storage Mode (upload later) and Instant Upload Mode (upload immediately).

5.3 Decoding Capabilities

The scanner provides advanced decoding precision of ≥4mil (0.1mm) for 1D codes. It can achieve a fast

decoding speed of up to 200 scans per second and supports various 1D barcode types, including:

- UPC/EAN
- Code128
- Code39
- Full ASCII
- Coda bar
- Industrial/Interleaved 2 of 5
- Code93
- MSI
- Code11
- ISBN
- ISSN
- China Post
- GS1 Databar
- Code32

6. Advanced Features

6.1 Auto-Induction Scanning

The scanner can be configured for auto-induction scanning, where it automatically detects and scans barcodes without requiring a trigger press when a barcode is presented within its field of view.

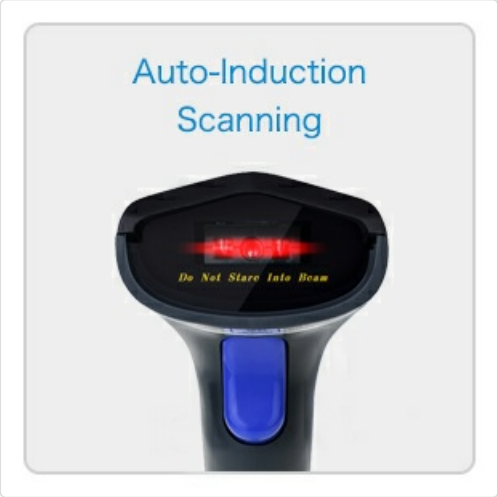


Image 6.1: Close-up of the scanner's head, illustrating the auto-induction scanning capability with the red scanning beam active.

6.2 Adding Prefix/Suffix

The scanner allows for the addition of custom prefixes or suffixes to scanned barcode data. This feature can be configured by scanning specific programming barcodes found in the full user manual (not included here).

Image 6.2: Example of adding a prefix (ABC) or suffix (ABC) to a scanned barcode number.

7. Maintenance

7.1 Battery Care

The scanner is equipped with a 2000mAh built-in rechargeable Li-ion battery. To ensure optimal battery life:

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

A full charge provides approximately 20-30 hours of continuous scanning and up to 100 days of standby time.

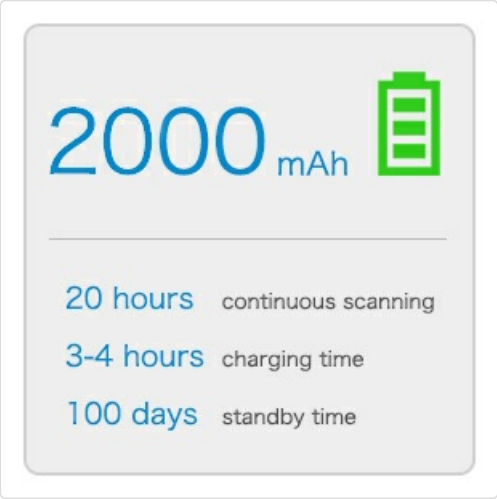


Image 7.1: Details on the 2000mAh battery, showing 20 hours continuous scanning, 3-4 hours charging time, and 100 days standby time.

7.2 Cleaning and Durability

Clean the scanner's exterior with a soft, dry cloth. Avoid using harsh chemicals or abrasive materials. The scanner features an eco-friendly ABS material and a silicone protective cover, designed to withstand drops from up to 1.5 meters (5 feet).

8. Troubleshooting

- **Scanner not turning on:** Ensure the battery is charged. Connect to a power source using the USB cable.
- **Scanner not connecting:**
  - For 2.4G wireless, ensure the USB receiver is properly inserted and recognized by the computer.
  - For Bluetooth, ensure Bluetooth is enabled on your host device and the scanner is in pairing mode. Try re-pairing.
  - For wired, ensure the USB cable is securely connected to both the scanner and the computer.
- **Scanner not reading barcodes:**
  - Ensure the barcode is not severely damaged or poorly printed.
  - Check the scanning angle and distance.
  - Verify that the barcode type is supported by the scanner.
- **Scanned data not appearing:** Ensure the scanner is successfully connected to your device and the application receiving the input is active.

9. Specifications

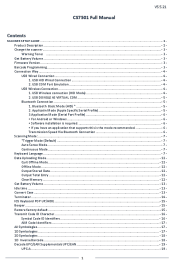
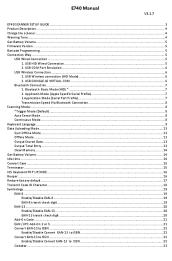
Feature	Specification
Brand	NETUM
Model	NT-W6-X (W6X 1D wireless Barcode Scanner)
Connectivity Technology	Wireless (2.4G, Bluetooth), Wired (USB)
Compatible Devices	Desktop, Laptop, Smartphone, Tablet
Power Source	Battery Powered (2000mAh Li-ion)
Charging Time	3-4 hours
Continuous Scanning Time	Approx. 20-30 hours
Standby Time	Approx. 100 days
Decoding Precision	≥4mil (0.1mm)
Decoding Speed	Up to 200 scans/second
Supported Barcodes	1D: UPC/EAN, Code128, Code39, Coda bar, Industrial/Interleaved 2 of 5, Code93, MSI, Code11, ISBN, ISSN, China Post, GS1 Databar, Code32, etc.
2.4G Wireless Range	Up to 100m (328ft) outdoor, 30m (98ft) indoor

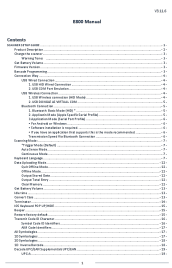
Bluetooth Wireless Range	Up to 50m (164ft)
Internal Storage	Up to 5000 barcodes
Product Dimensions	20 x 10 x 5 cm
Item Weight	300 g

10. Warranty and Support

The NETUM NT-W6-X Barcode Scanner comes with a **3-month warranty** from the date of purchase. This warranty covers manufacturing defects under normal use. For technical support or warranty claims, please contact your retailer or the manufacturer directly.

Related Documents - NT-W6-X

	CS7501 Full Manual - Netum Barcode Scanner Guide Comprehensive manual for the Netum CS7501 barcode scanner, covering setup, connection modes (USB, Bluetooth, Wireless Dongle), scanning modes, keyboard language settings, and detailed barcode symbology configurations.
	Netum E740 Barcode Scanner Setup Guide and Configuration Comprehensive setup guide for the Netum E740 barcode scanner, covering connection methods (USB, Bluetooth), scanning modes, symbology configuration, data handling, and customization options.
	Netum NT-1228BL Barcode Scanner Quick Setup Guide A quick setup guide for the Netum NT-1228BL barcode scanner, covering USB and Bluetooth connection, pairing with Windows, Android, and iOS devices, barcode programming, scan modes, and factory default restoration.

	[NETUM NT-1698W 2.4G Wireless Barcode Scanner: Overview and Programming Guide] Comprehensive guide to the NETUM NT-1698W 2.4G Wireless Barcode Scanner, covering features, setup, offline mode, keyboard language settings, and detailed programming barcodes for various symbologies.
	[NETUM NT-2050 Barcode Scanner Configuration Guide] This document provides a comprehensive guide to configuring the NETUM NT-2050 omnidirectional desk barcode scanner. It details specific barcodes for enabling, disabling, and setting various symbologies and parameters, including factory reset and suffix settings, to customize scanner behavior.
	[Netum E800 Barcode Scanner User Manual] Comprehensive user manual for the Netum E800 barcode scanner, detailing setup, connectivity options (USB, Bluetooth), scanning modes, and configuration for various barcode symbologies. Optimize data capture and device integration.