



[Manuals.plus](#) /

> [Inateck](#) /

> Inateck BCST-50 Barcode Scanner User Manual

Inateck BCST-50_black

Inateck BCST-50 Barcode Scanner User Manual

Model: BCST-50 Black

1. INTRODUCTION

The Inateck BCST-50 is a versatile 1D and 2D barcode scanner designed for efficient data collection. It supports various barcode types including QR, Data Matrix, PDF417, UPC/EAN, and Code 128. This scanner is capable of reading barcodes directly from digital screens, such as those on phones and laptops. It offers multiple connectivity options and operational modes to suit diverse user needs.

2. WHAT'S IN THE BOX

- Inateck BCST-50 Barcode Scanner
- USB Cable
- Instruction Manual
- 2.4GHz Wireless Adapter



Figure 2.1: Package contents of the Inateck BCST-50 barcode scanner.

3. SETUP AND CONNECTION

The BCST-50 scanner offers three primary connection modes for versatile use with various devices.

3.1 Connection Modes

2000 mAh built-in battery



- Last for 15 days under Bluetooth mode
- Last for 30 days under 2.4G mode



Figure 3.1: The three available connection modes for the BCST-50 scanner.

- **2.4GHz Wireless Connection:** Connects to a computer using the included 2.4GHz USB adapter. This mode provides a stable wireless connection.
- **Bluetooth Connection:** Allows connection to mobile phones, tablets, and other Bluetooth-enabled devices. This offers flexibility for on-the-go scanning.
- **Wired USB Connection:** Connects directly to a computer via the USB cable. This mode is plug-and-play and also charges the scanner.

To switch between wireless Bluetooth and 2.4GHz modes, scan the corresponding barcodes provided in the physical instruction manual or on the product packaging. For example, to enable Bluetooth mode, scan the "Wireless Bluetooth Mode" barcode. To enable 2.4GHz mode, scan the "2.4G Mode" barcode.



Figure 3.2: The BCST-50 scanner and its accessories, including setup barcodes.

4. OPERATING THE SCANNER

4.1 Barcode Reading Capabilities

The BCST-50 is designed to read a wide range of 1D and 2D barcodes efficiently.

1D&2D barcode reader

supports mainstream 2D& all 1D barcodes



Figure 4.1: Supported 1D and 2D barcode types.

- **1D Barcodes:** UPC/EAN, Code 128, Code 39, Code 93, Code 11, Interleaved 2 of 5, Industrial 2 of 5, Matrix 2 of 5, Standard 2 of 5, Codabar, MSI, etc.
- **2D Barcodes:** QR Code, Data Matrix, PDF417, MicroPDF417, Micro QR Code, Aztec, MaxiCode, Rectangular Data Matrix, etc.

4.2 Screen Barcode Reading

A key feature of the BCST-50 is its ability to read barcodes directly from digital displays, making it suitable for scanning e-tickets, mobile coupons, and other screen-based barcodes.

Able to read screen barcodes



Figure 4.2: The BCST-50 scanner reading a barcode from a digital screen.

4.3 Operational Modes

The scanner supports three operational modes to optimize workflow:

- **Touch-Activation Mode:** The scanner activates and scans when the trigger button is pressed.
- **Auto-Sensing Mode:** The scanner automatically detects and scans barcodes when they are presented within its scanning range.
- **Inventory Mode (Offline Data Storage):** This mode allows the scanner to store scanned data internally when not connected to a host device. It has 2MB of internal memory, capable of storing approximately 50,000 24-digit barcodes. Data can be uploaded later.

4.4 Data Upload Modes

Data collected by the scanner can be uploaded in two ways:

2 Upload Modes



Figure 4.3: Instant Upload Mode vs. Offline Storage Mode.

- **Instant Upload Mode:** Scanned barcodes are immediately transmitted to the connected device.
- **Offline Storage Mode:** Scanned barcodes are saved to the scanner's internal memory. This data can be uploaded to a device at a later time by scanning a specific upload barcode (refer to the full instruction manual for details).

4.5 Battery Life

The BCST-50 is equipped with a 2000mAh built-in battery, providing extended operational time.

1.5m Anti-shock

3.5mm~6.5mm thick TPU shield brings you Industrial Level Anti-shock



Figure 4.4: Battery life estimates for the BCST-50 scanner.

- Approximately **15 consecutive days** of use under Bluetooth connection.
- Approximately **30 consecutive days** of use under 2.4GHz connection.

Battery life may vary based on usage patterns and environmental conditions.

5. MAINTENANCE AND DURABILITY

The Inateck BCST-50 is designed with durability in mind to withstand daily use.

3 Connection modes



Figure 5.1: The anti-shock design of the BCST-50 scanner.

- **Anti-shock Design:** Features a 3.5mm to 6.5mm thick TPU shield, providing industrial-level anti-shock protection against drops and impacts.
- **Cleaning:** Use a soft, dry cloth to clean the scanner's exterior. Do not use abrasive cleaners or solvents. For the scanning window, use a lens cleaning cloth.
- **Storage:** Store the scanner in a cool, dry place away from direct sunlight and extreme temperatures.

6. TROUBLESHOOTING

If you encounter issues with your Inateck BCST-50 scanner, refer to the following common troubleshooting steps:

Problem	Possible Cause	Solution
Scanner does not power on.	Low battery or no charge.	Connect the scanner to a power source using the USB cable and allow it to charge.

Problem	Possible Cause	Solution
Scanner does not connect via Bluetooth/2.4GHz.	Incorrect pairing mode, out of range, or interference.	Ensure the scanner is in the correct pairing mode (Bluetooth or 2.4GHz) by scanning the appropriate setup barcode. Move closer to the host device. Check for other wireless devices causing interference. Re-pair the device.
Scanner reads barcodes but no data is transmitted to the computer/device.	Incorrect output mode, driver issue, or software conflict.	Ensure the scanner is not in Inventory Mode if you expect instant transmission. Check if the scanner is recognized as a keyboard device. Try connecting to a different USB port or computer. Reset the scanner to factory defaults (refer to the full manual for the reset barcode).
Cannot read certain barcode types.	Barcode type not enabled or damaged barcode.	Refer to the full instruction manual to enable specific barcode symbologies. Ensure the barcode is clear and undamaged. Adjust scanning distance.

For more detailed troubleshooting or advanced configurations, please refer to the complete user guide provided with your product or visit the Inateck support website.

7. SPECIFICATIONS

Feature	Detail
Model Number	BCST-50_black
Barcode Types Supported	1D (UPC/EAN, Code 128, etc.), 2D (QR, Data Matrix, PDF417, etc.)
Connectivity Technology	Bluetooth, 2.4GHz Wireless, USB Cable
Wireless Type	Bluetooth
Internal Memory	2MB (approx. 50,000 24-digit barcodes)
Battery Capacity	2000mAh Lithium Polymer
Operating System Compatibility	Windows, macOS
Hardware Platform	PC, Tablets, iPad
Item Weight	5.9 ounces (approx. 167g)
Product Dimensions (LxWxH)	6.38 x 3.54 x 2.4 inches (approx. 16.2 x 9.0 x 6.1 cm)
Color	Black
Manufacturer	Inateck Technology Inc

8. WARRANTY AND SUPPORT

Inateck products are designed for reliability and performance. For warranty information and technical support, please refer to the warranty card included with your product or visit the official Inateck website.

Inateck Official Website: www.inateck.com

For customer service inquiries, please contact Inateck support through their website or the contact information provided in your

