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› [Inateck](#) /

› Inateck BCST-23 2D Barcode Scanner User Manual

Inateck BCST-23-BK

Inateck BCST-23 2D Barcode Scanner User Manual

Model: BCST-23-BK | Brand: Inateck

1. INTRODUCTION AND OVERVIEW

The Inateck BCST-23 is a versatile 2D barcode scanner designed for efficient and reliable data capture. It features advanced decoding capabilities, supporting most 1D and 2D barcodes, even those that are blurry, damaged, or distorted. With multiple connection modes and long-lasting battery life, it is suitable for various professional environments.



Image: The Inateck BCST-23 2D Barcode Scanner shown with its accompanying USB wireless dongle.

2. SETUP AND CONNECTIVITY

The BCST-23 offers three primary connection modes for broad compatibility:

- **2.4G Wireless:** Connects via the included USB wireless adapter. Ideal for desktop computers and systems requiring a dedicated wireless connection.
- **Bluetooth:** Pairs with Bluetooth-enabled devices such as laptops, smartphones, and tablets. Provides flexibility and mobility.
- **Wired:** Connects directly to a device via a USB cable. Ensures a stable and reliable connection, also used for charging.

Superb Compatibility

3 Connection Modes

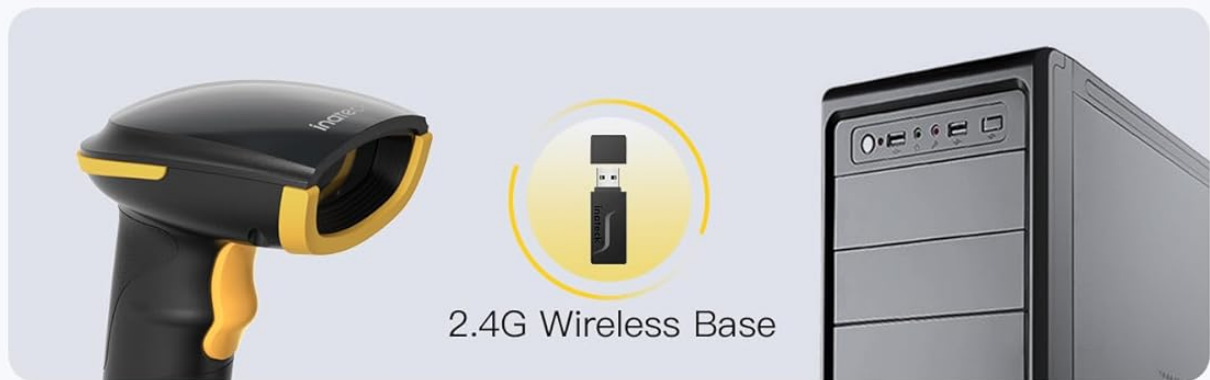


Image: Visual representation of the three connection modes: 2.4G Wireless via USB dongle to a desktop, Bluetooth to a tablet, and Wired via USB cable to a laptop.

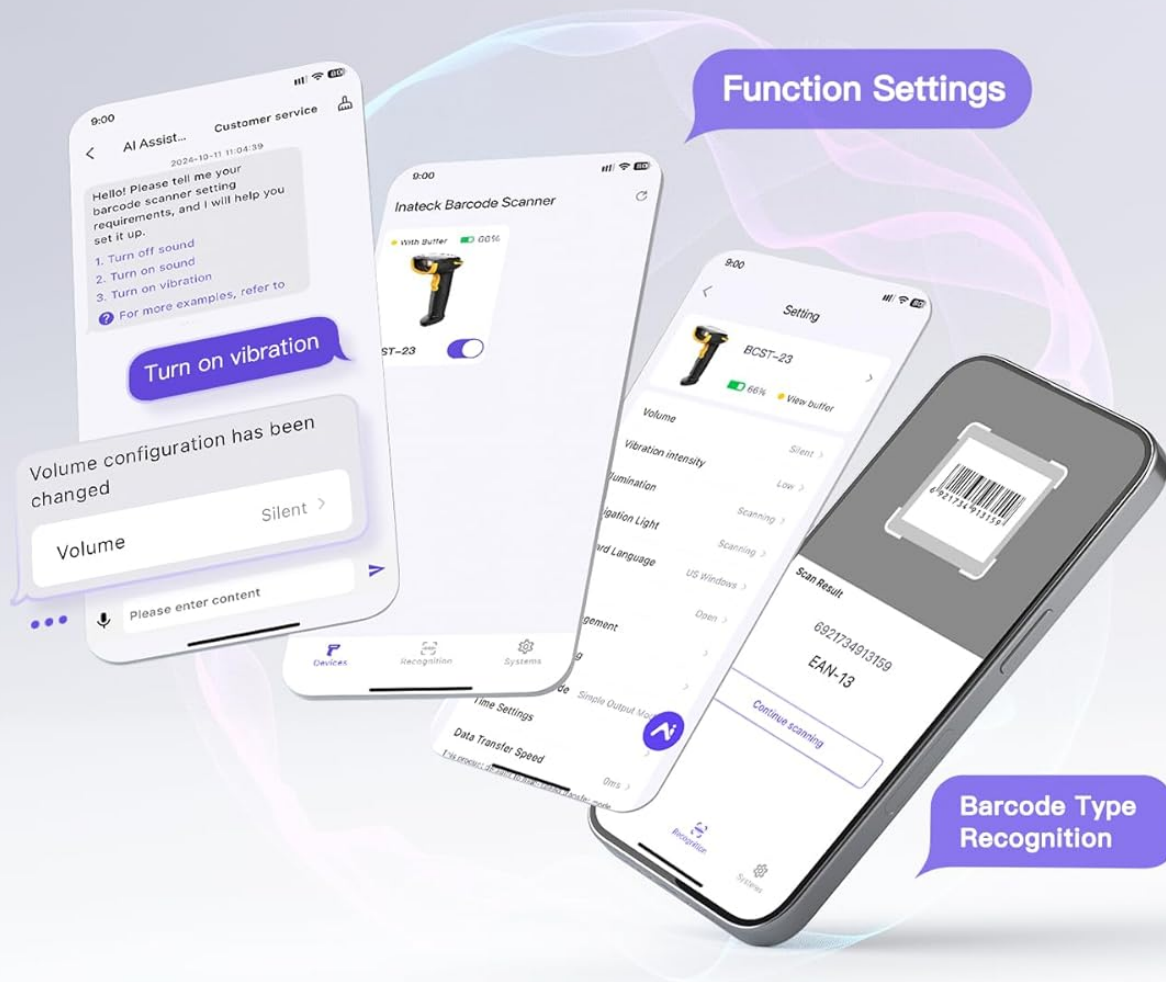
2.1. Using the Inateck APP and SDK

The Inateck BCST-23 can be configured and managed using the dedicated Inateck APP, available for Android and iOS devices. This app allows for easy adjustment of settings such as barcode type recognition, Bluetooth connection management, battery level display, and alert preferences, eliminating the need for a physical manual for common configurations.

For developers, the Inateck SDK provides seamless integration with existing ERP systems, supporting various programming languages (Python, Kotlin, Java, C, JavaScript/TypeScript, Objective-C, Swift) and operating systems (Windows, Android, Mac OS/iOS).

Support Inateck Scanner APP

Effortless and efficient configuration



Android



iOS

Image: Screenshots of the Inateck Scanner APP interface, highlighting function settings and barcode type recognition features.

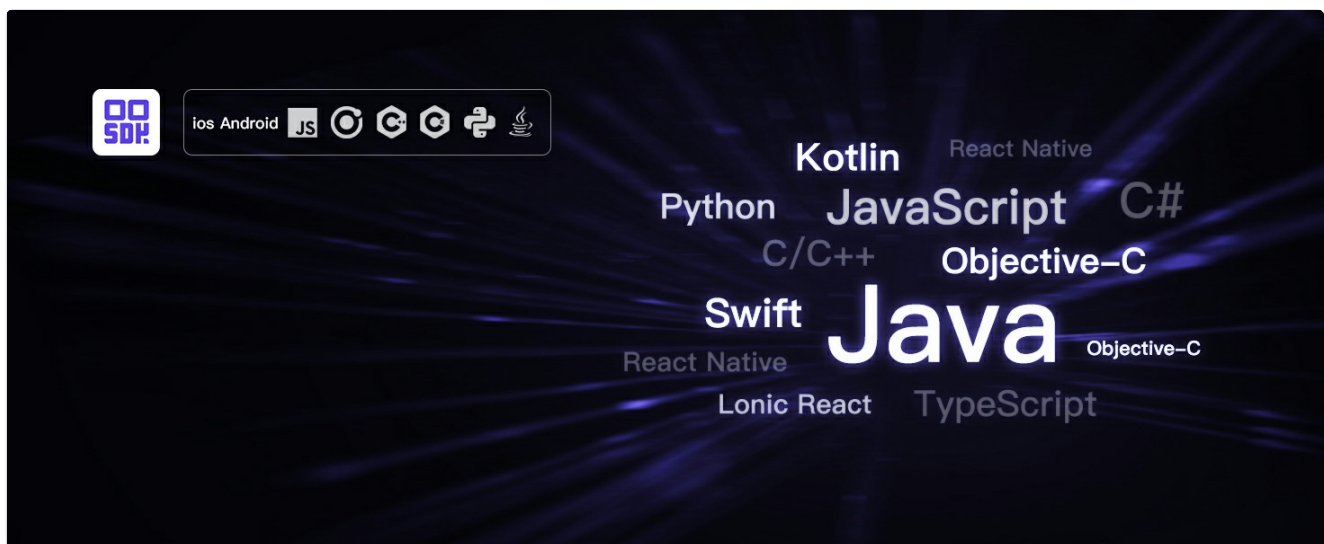


Image: A visual representation of the various programming languages and platforms supported by the Inateck SDK, including Kotlin, Python, Java, C, JavaScript, Swift, and React Native.

3. OPERATING THE SCANNER

3.1. Decoding Capabilities

The BCST-23 utilizes a 300,000-pixel 2D module, enabling it to recognize and decode most 1D and 2D barcodes. This includes barcodes that are blurry, damaged, dirty, wrinkled, or distorted, even under varying lighting conditions. Note that Inverted DM barcodes are not supported.

Super Decoding Ability

Support most of 1D and 2D barcodes

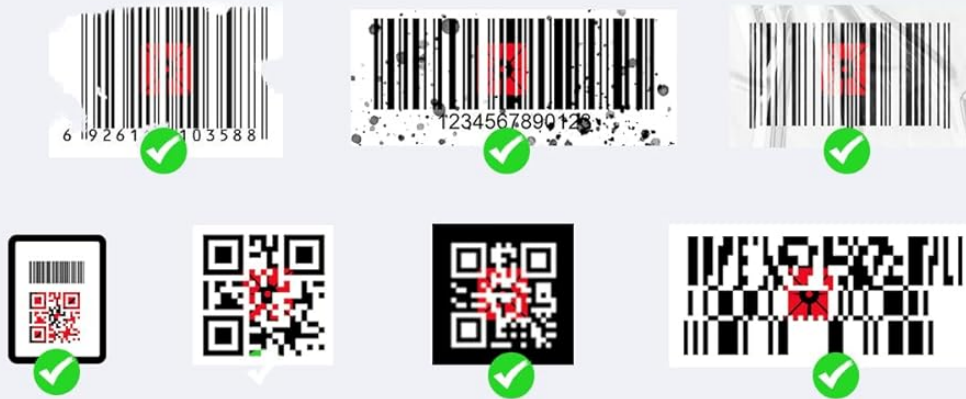


Image: The scanner's ability to decode various types of 1D and 2D barcodes, including QR codes and standard barcodes, is highlighted.

3.2. Data Upload Modes

The scanner supports two primary data upload modes:

- **Instant Upload Mode:** Data is immediately transmitted to the connected device upon scanning.
- **Storage Mode:** In inventory mode, the scanner can store up to 270,000 barcodes (with 13 characters each) internally, allowing for batch upload later.

Two Upload Modes

Instant Upload Mode

Instantly update data to device when scanning



Storage mode

In inventory mode, 270,000 barcodes with 13 characters can be stored.



Image: A diagram showing how data is instantly uploaded to a laptop in one mode, and stored internally (represented by a SIM card icon) for later upload in storage mode.

3.3. Transmission Range

The BCST-23 offers impressive transmission ranges:

- **2.4G Wireless Adapter:** Up to 100 meters (328 feet) transmission range.
- **Bluetooth:** Up to 40 meters (131 feet) transmission range.

Hyper Long Transmission Range



Image: A visual depiction of the scanner's wireless transmission capabilities, showing a 100m range with the wireless adapter and a 40m range with Bluetooth.

3.4. Application Scenarios

The scanner's robust features make it suitable for various applications, including retail, inventory management, and logistics.

Supports reading 1D and 2D barcodes:

Codabar, Code 11, Code 128, Code 39, Code 93,
EAN-8, EAN-13, ISBN, ISSN, MSI, UPC-A, UPC-E,
Industrial 25 / Standard 25, Interleaved 25, Matrix 25,
FedEx, USPS, QR Code, Data Matrix, PDF417, Aztec.



Image: A person using the scanner in a retail environment, possibly for point-of-sale or inventory checks.

2600mAh



Superb Scanning Algorithm for Lower Power Consumption



Regular Scanning

1 Charge Every 3 Months



High-Intensity Scanning

1 Charge Per Month

Image: A pharmacist scanning medication with the Inateck barcode scanner, demonstrating its use in healthcare or pharmaceutical settings.



Image: The scanner positioned to scan packages on a conveyor belt, illustrating its utility in warehouse or logistics operations.

4. MAINTENANCE

4.1. Durability and Protection

The Inateck BCST-23 is designed for durability, encased in soft rubber to withstand daily use. It is 1.2 meters drop-resistant, providing protection against accidental falls.



Image: A graphic illustrating the scanner's 1.2-meter drop resistance, emphasizing its robust design.

4.2. Battery Life and Charging

Equipped with a 2600mAh battery and advanced power management algorithms, the scanner offers extended battery life:

- **Normal Scanning Frequency:** One charge lasts for approximately 3 months.

- **High-Frequency Usage:** One charge lasts for approximately 1 month.

To charge the device, connect it via the USB cable to a power source (e.g., computer USB port, USB wall adapter). Ensure the scanner is fully charged before first use and when the battery indicator shows low power.

inateck

Exclusive Scanning Algorithm

Lower Power Consumption

2600mAh



Image: The scanner highlighting its 2600mAh battery capacity and an internal view showing the battery, indicating long-lasting power.

4.3. Cleaning

To maintain optimal performance, regularly clean the scanner's lens and exterior. Use a soft, lint-free cloth. For stubborn dirt, a slightly damp cloth with mild soap can be used, ensuring no liquid enters the device. Do not use abrasive cleaners or solvents.

5. TROUBLESHOOTING

If you encounter issues with your Inateck BCST-23 scanner, consider the following common troubleshooting steps:

- **No Connection:** Ensure the scanner is fully charged. For 2.4G wireless, verify the USB adapter is securely plugged in. For Bluetooth, ensure the scanner is in pairing mode and your device's Bluetooth is enabled and discoverable. Try re-pairing the device.
- **Scanning Issues:** Check if the barcode is clean and not excessively damaged. Ensure adequate lighting. Verify that the barcode type is supported by the scanner.
- **Incorrect Data Output:** Use the Inateck APP or refer to the full manual (if available) to check and adjust barcode output settings, such as prefixes, suffixes, or data formatting.
- **Battery Not Charging:** Ensure the USB cable is properly connected to both the scanner and the power source. Try a different USB port or cable.

For more detailed troubleshooting or specific configuration needs, utilize the Inateck APP for guided settings or consult the official Inateck support resources.

6. SPECIFICATIONS

Feature	Detail
Product Dimensions	3.58 x 2.69 x 6.5 inches
Item Weight	7.2 ounces
Item Model Number	BCST-23-BK
Batteries	1 Lithium Ion batteries required (included)
Manufacturer	Inateck
Country of Origin	China
Compatible Devices	Laptop, Desktop, Smartphone
Power Source	Battery Powered
Connectivity Technology	Bluetooth, 2.4G Wireless, Wired

7. WARRANTY AND SUPPORT

Inateck products are manufactured with high-quality materials and superb technology. For warranty information and

technical support, please refer to the official Inateck website or contact their customer service directly. Keep your purchase receipt for warranty claims.

For further assistance, visit the [Inateck Store on Amazon](#).