

- ▶ USB wired + 2.4G wireless communication
- ▶ Built-in FLASH memory, supports breakpoint resume
- ▶ Can store 2600 pieces Code-128 codes under offline state
- ▶ Supports Windows XP, Win7/8, WinCE, mobile OS PC

## BCST-20 Barcode Scanner Quick Start Guide

### Packing list:

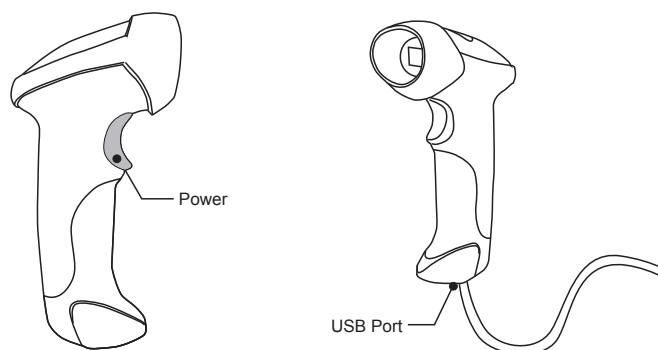
BCST-20\*1unit  
USB cable\*1pce  
Wireless Adapter\*1pce  
Quick Start Guide

**Note:** The device is not equipped with the charger, please charge the device via USB output charging equipment.

# 1 BCST-20 Barcode Scanner Overview

BCST-20 integrates high-performance processor and decoding board, it has fast decoding, high-precision reading ability, and high anti-interference ability. It can easily read barcodes on paper, goods and other media. The DOF has greatly improvement with similar products, also it has highly scanning speed, powerful reading ability with high accuracy.

### Appearance:

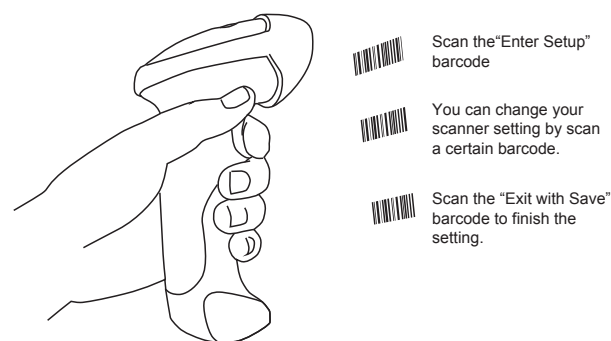


● 2.4G Wireless mode

● USB Wired mode

### Functions Setup:

BCST-20 Barcode Scanner change all the default functions setup through reading the setup barcodes.



## 2 Offline Mode

If you are heading for a working area which lies outside the Bluetooth signal range, you may activate the offline mode of the scanner, following the steps described below. Under this enhanced offline mode, all scanned data will be stored directly into the buffer memory of the device. Furthermore, the data entries will be permanently saved in the buffer memory prior to the manual upload into the working station, so that you may upload them time and again to your liking.

Due to the fact that the data entries will be automatically wiped from the buffer memory during upload, a data loss is possible when malfunctions occur during upload, e.g. if the working station suffers a unanticipated system shut down.

An operation in offline mode is strongly recommended under the following scenarios:

- 1) During the scanning process, the device often leaves the Bluetooth signal range;
- 2) Due to a high quantity of blocking objects, the Bluetooth signal's stability can't be ensured.

1. By scanning the following barcode, the offline mode will be activated.



Offline mode activation

2. By scanning the following barcode, all data in the buffer memory will be deleted (only in offline mode).



Buffer data purge

3. By scanning the following barcode, all data entries in the buffer memory can be manually uploaded after reconnecting to the working station (only in offline mode).



Manual data upload

4. By scanning the following barcode, the gross quantity of the uploaded data entries will be summarised (only in offline mode).



Summarising of uploaded data entry quantity

5. By scanning the following barcode, the device leaves the offline mode, normal mode will be reinitialised.



Quit offline mode

## 3 Keyboard Language Setting

Read 'Enter setup' Barcode - 'Select your keyboard language' - Exit With save - Change your PC language as selected.



Read 'Enter setup' Barcode



Italian Keyboard



US Keyboard



German Keyboard



French Keyboard



Spanish Keyboard



Exit With save

Eg: Switching to German keyboard



Read 'Enter setup' Barcode



German Keyboard



Exit With save

## 4 Prefix and Suffix Setting

1. Scan the "Enter Setup" barcode



Enter setup

2. Scan the "Prefix Setting" or "Suffix Setting" scanner



Prefix Setting



Suffix Setting



0



1



2



3



4



5



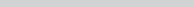
6



7



8



9

4. Scan the "Exit with Save" barcode.



Exit With save

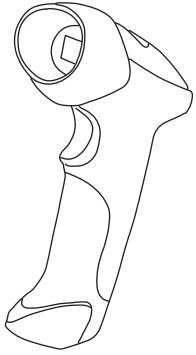
3. Scan certain barcodes sequentially to generate your own prefix/suffix. Example: If you want to add "#" as prefix or suffix, according to the barcode list provided on our website, you need to scan the "3" barcode first and then scan the "5" barcode.  
(Please refer to [www.inateck.com](http://www.inateck.com) for the number and symbol barcode list.)

## Performance Characteristics

Light Source (Laser)	Laser LED 650+/-20nm
Decode Capability	Codabar, Code 93, MSI, Code 128, UCC/ EAN-128, Code 39, EAN-8, EAN-13, UPC-A, UPC-E, ISBN, Industrial 25, Interleaved 25, Standard 25, 2/5 Matrix, USPS, FedEx
Resolution	3mil
Nominal Working Distance	6~30cm
Decode Rate	100 decodes per second
Scan width	30mm
Decode mode	Single-Line Aiming
Scan mode	Manual mode
Print Contrast Minimum	30%
Scan angles	Roll 30° Pitch 75° Yaw65°
Cylinder Horizontal Scan	Diameter 35mm
Indication	Beeper, LED
Radio Range	10m Visual range
Interfaces Supported	USB2.0
Processor	ARM 772MHz
EEPROM	256K, can store thousands of barcodes
Wireless Communication	2.4G Wireless transmission
Battery	1500mAh lithium battery

#### Note:

1. If you want to setup the function of BCST-20. Read 'Enter Setup' barcode, then 'Function Setup' barcode, and read 'Exit with Save' at last.
2. Please remove the power and USB cable under thunderstorm weather, to avoid damage from thunder and lightning.
3. Away heat source, keep ventilating.
4. Pay attention to waterproof during storage, transportation and running.



## LED Indicators

Indicator Colour	Meaning
Blue LED on (1s) and off quickly	Good Read, with one short beep (high tone)
Green, Flashing (On/Off ratio 1:1)	Indicates the BCST-20 Scanner in Setting mode
Blue, Flashing (On/Off ratio 20ms:3s)	Indicates the BCST-20 Scanner establish a wireless connection successfully
Red, Charging indicator	The red indicator will light during charging, and off when full charged.

## Beeper

Beeping	Meaning
One short beep, high tone	Read barcode, with blue LED on (1s) and off quickly
One long beep, low tone	Configuration error, with purple flashing; Or transmit buffer full, with green LED on and off quickly
Two short beeps, high tone	Power off
Three short beeps, tone descending from high to low	Enter or Exit Setting mode, with green LED flashing
Three short beeps, tone ascending from low to high	Configuration correct, with green LED flashing

## 5 Common function Barcodes



## 6 Function Setup Barcodes

(Note: the barcode with \* is default setting of BCST-20)



## 7 Features

1. Supports a wide range of barcode types. FedEx and USPS barcodes are all supported.
2. Anti-crash and anti-shock design.
3. Ergonomic design. Up to 3 million keystroke life expectancy.
4. Unrivalled battery life.
5. Press to scan - powered by deep sleep mode.
6. USB mode: 64 bit barcodes. 2.4G wireless mode: 57 bit barcodes.
7. Prefix and suffix are allowed to be added. Reset to factory default settings by scanning the "Factory Reset" barcode.

## 8 FAQ

1. Some barcodes cannot be read, why?
  - a. Dirty or unclear barcodes might not be read.
  - b. Digital barcodes displayed on phones, computers or tablets cannot be read.
  - c. The possible reason is that the setting for some barcode types are not commonly used is off by default. You need to activate a specific barcode type to get it to work. Please feel free to contact our Customer Service Team for further assistance if you don't know the exact type of barcode that you are referring to.
2. Is there any barcodes for apply or remove Enter for suffix?
 

Yes, you can refer to the Common Function Barcodes to reverse the setting.
3. The data cannot be sent to my computer or cellphone. Why?

Please make sure if you have turned on the offline mode. Because it will store your scans internally instead of instantly transmitting them to the connected device. You need to scan the "Manual data upload" barcode to send the scanned codes to your connected device.

4. Is it compatible with MID, iPad and Android devices?
 

No.
5. How to solve the messy code problem encountered while using other foreign languages?
 

The default language is English. Please refer to "Language Setting" chapter to change the setting.

## 9 Support

For any inquiries or comments concerning our products, please send an email to [support@inateck.com](mailto:support@inateck.com), and we will respond to you as soon as possible.

### Contact Information

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