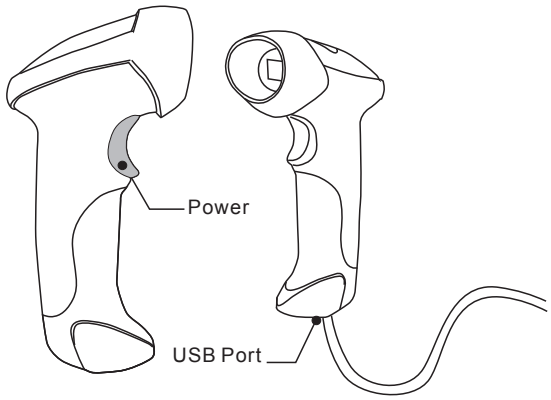
1 BCST-10 Barcode Scanner Overview

The BCST-10 integrates a high-performance processor with an effective decoding board, combining a fast decoding speed, high precision and a high anti-interference ability in one device. The device can easily read barcodes on paper and other surfaces. In comparison with similar products, the BCST-10 excells with lightning fast scanning speed, a powerful reading ability and high accuracy.

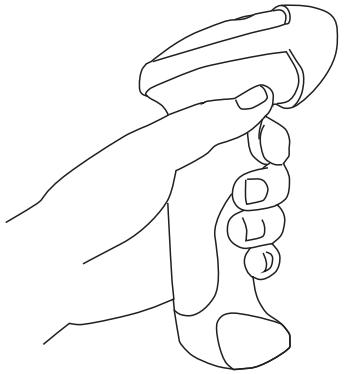
Appearance:



● Bluetooth Wireless mode ● USB Wired mode

Function Setup:

The BCST-10 Barcode Scanner changes all default settings by reading the setup barcodes.



Scan the 'Enter Setup' barcode.

You can always change your settings by scanning the specific setup barcode.

Scan the 'Exit with Save' barcode to finish the setting.

Performance Characteristics

Bluetooth	Bluetooth class 2.1, Version +EDR
Bluetooth Operating Frequency	2402-2480MHz
Bluetooth transmission Power	4dBm
Light Source (Laser)	Laser LED 650+/-20nm
Decode Capability	Codabar, USPS, FedEx, 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
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	SPP, HID, USB2.0
Processor	ARM7 72MHz
EEPROM	256K, can store thousands of barcodes
Wireless Communication	HID and SPP dual mode data transmission under Bluetooth class 2.1 protocol
Battery	1800mAh lithium battery

Note:

If you want to enter the setup of the BCST-10, please scan the 'Enter Setup' barcode, then the 'Function Setup' barcode, followed by the 'Exit with Save' barcode.

2 Pairing with Windows XP

1. Read the 'Enter Setup' barcode, the indicator blinks Blue and green light

Enter Setup

2. Read the 'Factory Reset' barcode, the indicator blinks green light

Factory Reset

3. Restart the BCST-10 barcode scanner
4. Open the Bluetooth panel on your computer, click 'Add a device...'
5. Click 'Next' to search for nearby devices
6. The computer will automatically search for nearby Bluetooth devices. After a few seconds 'CT********' will appear in the available devices list
7. Double click 'CT********' or click 'Next', select 'Enter the device's pairing code', put in the pairing code 10010, click 'next'
8. There will be a prompt at the lower right corner of your desktop indicating the adding of a new device. After 5 seconds you will hear a beep from the BCST-10 and the blue light flashes every three seconds, indicating a successful pairing.

3 Pairing with Windows 7/8/10

1. Read the 'Enter Setup' barcode, the indicator blinks Blue and green light

Enter Setup

2. Read the 'Factory Reset' barcode, the indicator blinks green light

Factory Reset

3. Read the 'Exit with save' barcode

Exit with Save

4. Turn on your Bluetooth within the Win7/8/10 OS, enter the 'Control Panel' - 'Devices and Printers' - 'Add a device' - select 'CT********' to add the device to your computer
5. Double click the device name and enter the code: 10010
6. Click 'Next', the BCST-10 will beep to indicate a successful pairing

4 Pairing with MAC OS

1. Read the 'Enter Setup' barcode, the indicator blinks Blue and green light

Enter Setup

2. Read the 'Factory Reset' barcode, the indicator blinks green light

Factory Reset

3. Read the 'Enter Setup' barcode

Enter Setup

4. Read the 'One-click Mac OS Connection' barcode

One-click Mac OS Connection

5. Read the 'Exit with Save' barcode

Exit with Save

6. Restart the BCST-10 barcode Scanner
7. Open the Bluetooth panel in your operating system, click 'Bluetooth Setup Assistant' to search for new devices
8. The computer will automatically search for nearby Bluetooth devices. After a few seconds 'CT********' will appear in the available devices list
9. Double click 'CT********' or click 'continue', a bluetooth pairing request will pop up. (Note: The PIN code contains too many digits by default, which could result in a failed pairing. Please click 'Passcode Option' and select 'Use a specific passcode' and put in a new PIN code with fewer digits.)
10. Find the above mentioned numbers in the following barcodes, scan them contiously and then select the 'Exit without Saving' barcode to finish the pairing

0

1

2

3

4

5

6

7

8

9

Exit Without Saving

5 Pairing with IOS devices

1. Read the ‘Enter Setup’ barcode, the indicator blinks Blue and green light

Enter Setup

2. Read the ‘Factory Reset’ barcode, the indicator blinks green light

Factory Reset

3. Read the ‘Enter Setup’ barcode

Enter Setup

4. Read the ‘One-click Mac OS Connection’ barcode

One-click IOS Connection

5. Read ‘Exit with Save’ barcode

Exit with Save

6. Restart the BCST-10 barcode scanner
7. Turn on the Bluetooth on your iOS device, search for ‘CT********’ barcode scanner
8. Click ‘CT********’ in the available devices list, a Bluetooth pairing request will pop up with a PIN code
9. Find the left mentioned numbers in the following barcodes, scan them contiously and then select the ‘Exit without Saving’ barcode to finish the pairing

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Exit Without Saving

6 Pairing with Android devices

1. Read the ‘Enter Setup’ barcode, the indicator blinks Blue and green light

Enter Setup

2. Read the ‘Factory Reset’ barcode, the indicator blinks green light

Factory Reset

3. Read the ‘Exit with Save’ barcode

Exit with Save

4. Turn on the Bluetooth on your Android device and search for ‘CT********’
5. Input the pairing code 10010 in the pairing request dialog
6. Click the ‘OK’ button, you will hear a beep upon successful pairing

7 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 an 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

8 Keyboard Language Setting

Scan the ‘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

Spainish Keyboard

Exit With save

Eg: Switching to German keyboard

Read ‘Enter setup’ Barcode

German Keyboard

Exit With save

9 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

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*** for the number and symbol barcode list.)

0

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4. Scan the “Exit with Save” barcode.

Exit With save

10 Function Setup Barcodes

(Note: the barcode with * is default setting of BCST-10)

(*) Enable Code bar

Disable Code bar

Enable Industral 25

(*) Disable Industrial 25

(*) Enable Interleaved 25

Disable Interleaved 25

Enable Matrix 25

(*) Disable Matrix 25

(*) Enable Standard 25

Disable Standard 25

(*) Enable Code 39

Disable Code 39

(*) Enable Code 93

Disable Code 93

(*) Enable Code 128

Disable Code 128

(*) Enable EAN-8

Disable EAN-8

(*) Enable EAN-13

Disable EAN-13

(*) Enable UPC-E

Disable UPC-E

Enable MSI

(*) Disable MSI

11 Common Function Barcodes

Do not Apply Enter for suffix

Apply Tab for suffix

Exit without Save

Factory Reset

Exit Auto Power Off

Disable Auto Upload

(*) Apply Enter for suffix

Enable Auto-induction Mode

Bluetooth Input Method

Enble SPP

SPP Batch Upload

Enter Setup

Exit with Save

Warning:

1. Please remove the power and USB cable during thunderstorms to avoid electrical damage to circuits caused by lightning.
2. Keep the device away from heat sources and avoid extreme temperatures
3. Keep the device away from humid and wet places during storage and transportation

LED Indicators

Indicator Colour	Meaning
Green LED on and off quickly	Good Read, with one short beep (high tone)
Red LED keep on	Charging, red LED will off when the battery full charged
Green LED Flashing (On/Off ratio 1:1)	Power on, Bluetooth unpaired
Blue LED Flashing (On/Off ratio 1:1)	Bluetooth paired, waiting for connection
Blue LED Flashing (On/Off ratio 20ms:3s)	Bluetooth paired, connected
The blue and green LED Flashing (On/Off ratio 1:1)	Indicates the Scanner is in setting mode

Beeper

Beeping	Meaning
One long beep, high tone	Power on.
One short beep, high tone	Read barcode, with green LED on (1s) and off quickly
One long beep, low tone	Configuration error, with blue and green LED flashing; Or transmit buffer full, with green LED on and off quickly
Two short beeps, high tone	Power off
Two short beeps, low-high tone	BT connection established, with blue LED flashing (On/Off ratio 20ms:3s).
Two short beeps, low-high tone	BT connection out of range or suspended, with blue LED flashing (On/Off ratio 1:1)
Three short beeps, tone descending from high to low	Enter or Exit Setting mode, with blue and green LED flashing
Three short beeps, tone ascending from low to high	Configuration correct, with blue and green LED flashing

12 FAQ

A. Reconnect the scanner (How to reconnect the scanner to computers or smartphones you have successfully paired with before?)
Warning: Reconnecting the scanner will empty its stored data.
1. Select and remove the paired scanner in PC Bluetooth devices list, or cancel paired scanner in smartphone Bluetooth devices list.
2. Set up the scanner by scanning barcodes 'Enter Setup' and then 'Factory Reset' until indicator blinks green light.
3. Follow the instruction manual, reconnect devices according to different systems.

B. Why can't I upload the data saved in the scanner via Bluetooth?
1. Connect USB cable to computer to see if data will be uploaded automatically.
2. If not, please scan 'Manual data upload' barcode to upload.

C. Why does 'Device cannot start' display after inserting Bluetooth adapter to computer?
1. Check if the Bluetooth adapter is working and Bluetooth indicator lights up.
2. Make sure the Bluetooth device of your computer is turned off.
3. Please use another USB port or computer to retry.

D. Why does Computer or smartphone fail to find the Bluetooth scanner?
1. Make sure the scanner is turned on.
2. Don't pair devices until indicator blinks green light.
3. Please try '**Reconnect the scanner**'.

E. Why can't I upload Barcodes to my computer or smartphone which has been automatically paired?
1. Make sure devices are paired and indicator turns to blue light.
2. Check out if 'Offline Mode' switches on. Under this mode, barcodes won't upload automatically, please scan barcode 'Manual data upload' to retry.

F. Why does the scanner fail to connect to Android smartphones?
1. Make sure the smartphone runs Android 4.0 and above
2. If the device runs Android 2.2 or 2.3 the smartphone needs to by connected by the Bluetooth input method. Please contact the customer service for technical support.

G. Some barcodes cannot be read, why?
1. Dirty or unclear barcodes might not be read.
2. Digital barcodes displayed on phones, computers or tablets cannot be read.
3. Some uncommon barcode types are not commonly used and thus not activated by default. You need to activate a specific barcode type first. Please feel free to contact our customer service for further assistance.

H. Can the scanner connect to smartphone or tablet after connecting to computers?
A scanner can only connect to one device at a time. If you want to change device, please try '**Reconnect the scanner**'.

I. Why can't the scanner connect automatically after restarting the computer?
1. Make sure the scanner is turned on.
2. Use 'USB wired mode' or try '**Reconnect the scanner**'.

J. Are there any barcodes to apply or remove Enter for suffix?
Yes, please follow page 'Common Function Barcodes' on the instruction manual or contact customer service for support.

K. Why is the smartphone paired but disconnected to scanner?
It happens in following scenarios:
1. Connected by Bluetooth input method. Please refers to Bluetooth input method operating instruction and follow the method strictly.
2. Using SPP mode. Install Bluetooth Serial Port APP in smartphones and connect through it.

L. Why is the response speed a little slower after reconnecting the scanner?
1. Hold and press the power button for 3 seconds to restart the scanner.
2. Please try '**Reconnect the scanner**'.

M. When connecting to computers via Bluetooth and inputting paring code, why does a PIN code display, such as 19179411?
1. Hold and press the power button for 3 seconds to restart the scanner.
2. Set up the scanner by scanning barcodes 'Enter Setup' and then 'Factory Reset' until indicator blinks green light.
3. Follow the steps on instruction manual, reconnect devices according to different systems.

N. 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.

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- ▶ USB wired + Bluetooth wireless communication
- ▶ Built-in FLASH memory, supports breakpoint resume
- ▶ Can store 2600 pieces EAN-13 codes under offline state
- ▶ Supports Windows XP, Win7/8/10, Wince, mobile OS PC and android, iOS devices

BCST-10 Barcode Scanner Quick Start Guide

Packing list:

BCST-10*1unit
USB cable*1pcs
Quick Start Guide

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

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