# Bur3105
# 2D Barcode Scanner
# User Manual

Service mailbox

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V1

In order to correctly use the bar code scanner, please read the instruction carefully and do not arbitrarily scan the settings code otherwise some settings may not be available.

Please keep this instruction for reference in the future.

If you have any question or concern about the operation of the scanner, please contact us at Email:

**server@nadamoo.cn**
**nadamoo@126.com**

# Contents

# Product Specification

| | |
|---|---|
| Model-Number | Bur3105 |
| Connection | 433MHz Wireless |
| Memory | 2M = 10000 barcodes |
| Battery capacity | 2200mAh |
| Voltage | DC 5V |
| Standby current | 18uA-5mA |
| Charging power | 5V-400mA |
| Printing Contract | >25% |
| Light source | 617nm LED |
| LED life | 12000 hours |
| Button life | 8000,000 times |
| Sensor | 640*480 CMOS |
| Illumination | 6500K LEDs |
| Indication | Buzzer & LED |
| Resolution | 3 mil |
| CPU | ARM 32-bit Cortex |
| Printing Contract | >25% |
| Decoding speed | 500 times/sec |
| Scanning angle | Angle of rotation360°, inclination± 65°,declination ± 60° |
| Anti-interference | 0-100000Lux Max |
| Drop test | 2.0m |
| Certificate | CE，FCC，RoHS，IP54 |
| Applicable 1D barcode | UPC-A，UPC-E，EAN-8，EAN-13，Code 128， Code 39，Code 93，Code 11, Interleaved 2 of 5, Standard 2 of 5, Industrial 2 of 5,Coda bar MSI，etc. |
| Applicable 2D barcode | QR Code, Data Matrix，PDF417，Aztec code，Maxicode，etc |

# Packing List

•Bar code scanner*1
•USB cable*1
•Instruction manual*1
•USB base station*1

# LED Description
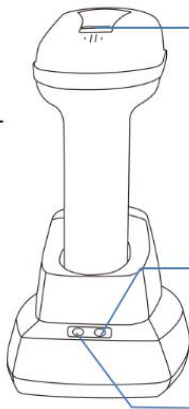
**Pink led 1: charging indicator**
During charging,the pink led 1 is flashing all the time.
When the pink led 1 is off, it is fully charged.

**Red led 2: Low power indicator**
The red led 2 flashs three times when the battery is running low.

**Blue led 3: decoder indicator**
Pull the trigger once, the blue led 3 flashes once.

**Green led 4: contact status indicator**
The scanner is in good contact with the base electrode, the green led 4 is on.

If the green led 4 is off, the contact isn't good.

**Blue led 5: Base receiving status indication**
The blue led 5 is always on, it means the base can receive data.   The base receives one bar code and the blue led 5 flashes once.

If the blue led 5 is flashing all the time, then the base can not receive data.

## Set Up Step

The scanner has been paired with the base station, and set up already.

**Step 1,** Power on the scanner by pressing the button. The buzzer has a triple beeps, the blue light on the top of scanner will be on.

**Step 2.** Insert the USB base station into the USB port of computer. The USB base station's blue light will be on.

**Step 3.** Open notepad on computer and move cursor to the blank where scanning output should be placed. Scanning results can be displayed on computer then.

If the barcode does not displayed, please set up the scanner again according to the following steps.

**Step 1.** Unplug the USB base station and plug it in again

**Step 2.** Within 30 seconds, scan these codes in order.



1. Resrore default



2. Match



3. Instant upload mode



4. USB_HID

**Step 3.** Open Word on computer, move cursor to the blank, scan a barcode to see if it can be uploaded.

# FAQs:

**Q1**. **If i scan a product barcode, will it include the name of the product in the file automatically?**

**Answer：**
The scanner works like a keyboard. The scanner does not interpret what the barcode is, it just "types" out a string of alphabet numeric characters that the barcode represents.

it's up to the database software you are using to interpret what that string of characters means. Once you acquire the barcodes, you have to correlate them to something more meaningful by either purchasing a software service that will interpret the barcode and relate it to a product, or you can use your own internal inventory system to assign the barcodes to specific products.

After creating the relationship between your barcode and the corresponded information, when you enter the barcode into the software by the scanner,your software will look up the barcode and then output the related information of your product.

**Q2. Why does scanner not read the barcode exactly.　When I use the scanner to read a barcode of an item, I get a different result from the barcode itself.**

**Example 1**, There are two separate barcodes together. It scanned the first 12 digits in the barcode but not the last five.

**Solution：** Please scan the code" UPC/EAN extra code-ON" on page 30.

**Example 2**, The original barcode is "abc12345"， the scanning result is "+A+B+C+D12348"，the scanner put "+" between character.

**Solution：** Please scan the code "Code 39 FULL ASCII-On" on page 33.

If that is not your case, please send us a clear picture of the barcode and the result you get, our customer service will help you to solve the problem.

**Q3. Some barcodes can not be read, why?**

**Answer：**
A.  Incomplete and unclear barcodes might not be read.
B.  It is possible that the setting is off by default for some barcode types which are not commonly used. You need to activate a specific barcode type to get it working.

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

**Q4.Is there any barcodes to remove auto-enter after every scanning?**

**Answer:**
To remove the auto-enter, please read the code"Disable end character"on page 22.

**Q5. How to add Tab?**
**Answer:**
To add Tab, please read the code"Add tab"on page 22.

**Q6. Can the scanner send two enter after every scanning?**

**Answer:**
To add two enter, please read these codes in order. (on page 39-35)

**Q7**. Is there a way to make the scanner work with a white print on a black background?
**Answer:** To set the scanner to read white bar code on black ground，   please scan the code   "White in black background - On"on page 28，37, 38.

## Troubleshooting

| Problem | Possible Reason | Solution |
|---------|-----------------|----------|
| Insert the USB base station into the PC 's USB port, the base station' s blue led 5 is flashing all the time. | No driver in the computer. | Update USB driver |
| | The USB port is broken. | Connect the base station to another computer to see it works. |
| | The base station or the cable is broken. | Contact us for replacement. |
| Put the scanner on the base station, the green led 4 does not turn on. | bad contact of electrode. | Contact us for replacement. |
| Power on the scanner, the buzzer does not beep, the blue light on the top of scanner does not turn on, the red scanning laser does not show up. | The battery run out. | Charge the scanner |
| The scanner can not hold the charge. | The PC's USB port is broken. | Connect the base station ot anther USB port for charging. |
| | The base station or USB cable is broken. | Contact us for the replacement |

| | | |
|---|---|---|
| Power on the scanner, the buzzer beeps, the blue light on the top of scanner will be on, the red scanning laser does not show up or become a dot | The laser head is broken. | Contact us for the replacement |
| Scanner and USB base station are all in good condition. But the barcode can not be sent to computer. | The scanner failed to match the USB base station. | Unplug the base station and plug it in to PC's USB port, within 30 seconds scan the following codes in order:<br><br>"Resrore default"<br>"match"<br>"instantly upload mode"<br>"USB_HID" |
| | The scanner was set to storage mode, scanned data will be kept in the buffer of scanner | |
| | The scanner was set to USB virtual com. | |

# Optional Function settings

Settings of the bar code scanner can be changed by scanning the setup bar codes included in this manual.

## 1. Pairing Mode Setting **(for wireless mode only)**

**1.1 One scanner to one USB receiver**:

One scanner only transmits bar code to one USB receiver.

Pairing operation:

Plug the Blue USB receiver into your computer ,scan the code "match " to pair the scanner with the receiver
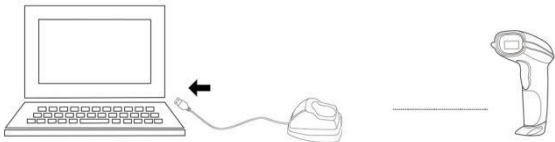


Match

Pairing indication:
   (1) If the pairing succeeds, the buzzer beeps "DI da""di di di"
   (2) If the pairing failed, the buzzer beeps "DI---en"

NOTE：30 seconds after the USB receiver is inserted, the scanner cannot match the USB receiver.  If the pairing failed, please unplug the USB receiver and plug it again, then scan the code "match

Several units can work independently with different computers in the same area. They won't interface with each other during work.

If you want to use them on multiple computers, each with own scanner and receiver. Please follow the steps.

(1) Plug the USB receiver A into PC's USB port.
(2) Scan the code "match" using scanner A to pair the scanner A with the receiver A.
(3) 30 seconds after the USB receiver A is plugged , plug the USB receiver B into Another PC's USB port.
(4) Scan the code "match" using scanner B to pair the scanner B with the receiver B.
......



Match



base A                    scanner A



base B                    scanner B
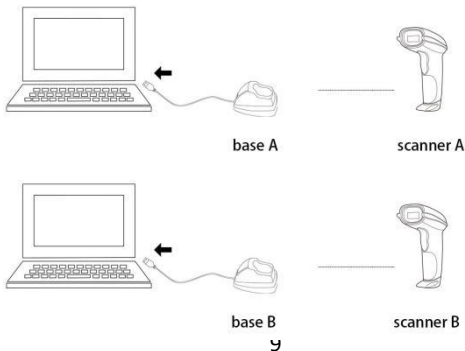
**1.2. Max.32 Scanner - to - One usb receiver**

Multiple scanners transmit barcode to one USB receiver.　One USB receiver can connect to 32 scanners at most.
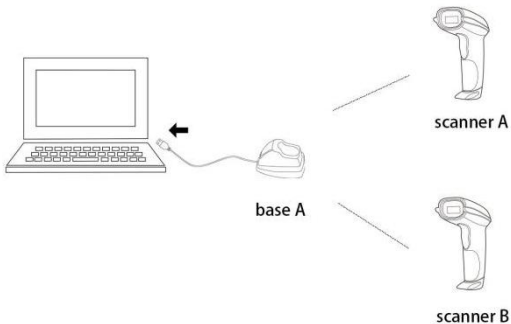
Pairing operation:

(1) Plug the USBreceiver A into PC 's USB port

(2) Scan the code "match" using scanner A to pair the scanner A with the receiver A

(3) Unplug the USB receiver A and plug it to PC 's USB port again

(4) Scan the code "match" using scanner B to pair the scanner B with the receiver A

…



Match



scanner A

base A

scanner B

## 2. Upload Mode Setting

### 1.1. Instant Upload Mode

Read barcodes and upload it straight to the file you have opened.

** To set the scanner to upload barcode instantly, scan the following code:

Instant upload mode

Scanning indication:
(1) The buzzer rang "DI" when the barcode is uploaded successfully.
(2) The buzzer rang a slow "DI---en" when the barcode can not be uploaded.

If some character are mixed up, please set the scanner to lower transmission speed. The transmission speed between every character can be changed by scanning the following code. The higher the value, the slower the speed is.

Speed 00 (default)                    Speed 15

Speed 30                    Speed 40

Speed 50



Speed 60

**1.2. Storage Mode**

Read bar codes and store the bar codes in scanner's own memory. You can upload the data to computer in batches when you need them. Internal storage saves up to 1,0000 bar codes.

**Note:** In storage mode, the bar code will be stored and will not come up on your computer instantly. The bar code comes up on your computer only when you scan the settings code "upload data".

**\*\*** To convert scanner from "instant upload mode" to "storage mode", scan the following bar code "Storage mode".



Storage mode

**\*\*** To upload data from memory, put the cursor in the blank, and then scan the 'Upload Data' barcode, it will upload all the stored barcode at a time.



Upload data

** To show total number of stored bar code, put the cursor in the blank, and then scan the "Show total storage" bar code. It will out put "TotalCounters：xx".



Show total storage

** Scan the barcode "Clear data" to clear all the stored barcode. (for storage mode only)



Clear data

Scanning indication:
(1) The buzzer rang a fast "DI-en" when the barcode is saved successfully in the built-in memory of the scanner
(2)The buzzer rang a slow "DI---en" when the barcode can not be saved in the built-in memory of the scanner. The space of memory is not enough and cannot store any more barcodes. Please upload the saved barcode by scanning the code "Upload Data" and then clear the saved barcode by scanning code "zero clearing".

Note: In storage mode, the transmission speed between every barcode can be changed by scanning the following code. If some barcodes are missing, please set the scanner to lower transmission speed.

The higher the value, the slower the speed is.

Speed 000

Speed 001

Speed 002

Speed 040

Speed 050

Speed 060

# 3. Scanning Mode Setting

Three kinds of scanning modes are supported.

**3.1. Manual Trigger mode (default) :**
Press the trigger, the scanner will emit light and read the barcode. Release the trigger, the scanner will stop reading barcode and the light will go off.

\*\* Scan the following codes to set the scanner to Manual trigger mode .



Manual trigger mode (default)

**3.2. Continuous Scanning Mode**

There′ s no need to click the trigger in this mode. The red light of the scanner will be on at a certain frequency.
The red scanning light will go off once the scanner scans barcode successfully and the scanner will enter into next scanning automatically after a intermittent time . And the red scanning light of the scanner will be on again once the waiting time passes

**\*\*** Scan the following codes to set the scanner to Continuous Scanning Mode.

.



Continuous Scanning Mode

### 3.3. Auto-induction Mode

There′s no need to click the trigger under the Auto-induction Mode. Users just need to move the barcodes in front of the scanner. A red light band will show up to read the barcode.
The red light band will go off once the scanner scans barcode successfully or pre-set timeout expires.

** Scan the following codes to set the scanner to Auto-induction Mode .

.



Auto-induction Mode

** Scan one of the following codes to select the induction sensitivity.

      

High sensitivity (default)      Medium sensitivity                    Low sensitivity

Note：In Auto-induction Mode. It will be better to set the scanner out to be longer stand-by time interval.  Please refer to the instruction on page 25.

# 4.Anti-duplication Setting

In continuous scanning mode or auto-induction mode, maybe the same bar code is read two or more times.

Here are two ways to avoid this problem.

**Method1.** *Turn on the Anti-duplication function*
\*\* Scan the following code to turn on Anti-duplication function.

If you turn on the function, the scanner can not upload the barcode it has read before.



Anti duplication - ON

\*\* Scan the following code to turn off Anti-duplication function.



Anti-duplication-Off

**Method 2 :** *Set the time interval.*
\*\* Scan one of the following code to set the time interval.
After reading a bar code, at the pre-set time interval, the scanner can not read the same bar code.
The scanner can read the same bar code only when pre-set time interval passes.

1s


2s


3s


4s


5s


10s


15s


25s

## 5.Battery Remaining

To show up how much the Battery is left, put the cursor in the blank, and then scan the following barcode. It will output "DumpEnergy: xx%".


Battery Reserve

# 6. Aiming & LED Light Setting

### 5.1 Aiming Mode

The red beam that projected by the scanner can help user to find out the best reading distance.

Normal mode：red beam appears when the user press the trigger

Always on ： red beam always appears when the scanner is electrified

** Scan one of the following code to select the Aiming mode



Normal mode(default)



Always on

### 5.2 White LED light Mode

The white beam offers auxiliary lighting for reading.

When the white beam projects on the target object, it can improve the decoding performance and the adaptability of weak ambient light.

Normal mode：  white beam appears when the user press the trigger

Always on ： white beam always appears when the scanner is electrified

** Scan one of the following code to select the led light mode



Normal mode(default)



Always on

## 7. Case Sensitivity Setting

The scanner can change all the letter cases of barcode into uppercase or lowercase. It takes "Not to Alter the Letter Case of barcodes" as default, letter case of barcodes can be altered through scanning correspondent bar code below.

*Note:* Please deactivated caps lock on keyboard first.

**\*\*** Scan one of the following code to select the letter case



All upper case



All lower case



Swap upper case/ lower case



Not altering the Letter Case (default)

## 8. Identify Barcode Type

This is to identify what type of the barcode is, follow the below steps to confirm:

Scan code "Add Code ID " below, then scan your goal barcode, there will be a character BEFORE the barcode you scanned, and this character states your Barcode Type. After that, if you don't need this ID any more, scan the code "Turn off ID (default)" to hide it.



Add Code ID

Scan
Goal Barcode



Turn off ID (default)

| Code ID | Barcode Type |
|---------|--------------|
| A | UPC-A, UPC-E, EAN-8, EAN-13 |
| B | Code 39 |
| C | Codabar |
| D | Code 128 |
| E | Code 93 |
| F | Interleaved 2 of 5 |
| H | CODE11 |
| I | MSI |
| N | GS1 DataBar-14, GS1 DataBar Limited, GS1 DataBar Expanded |
| P | PDF417 |
| Q | DataMatrix(DM) |
| R | QR |
| S | Aztec Code |
| T | Maxi Code |

## 9. Frequently-used End Character Setting

By default，the scanner is sending a 'carriage return' after scanning a code (the same as pressing the 'enter' key) .
To add TAB Key, please scan the code " TAB"



Disable end character



Carriage Return



Carriage Return & Line-Feed



TAB

# 10. Beep Setting

\*\*Scan one of the following bar code to select the decoding beep mode

Beep-Off

Low volume

Medium volume

High volume -Default

\*\* Scan one of the following barcode to select the booting beep mode

Beep-Off

Low volume

Medium volume

High volume -Default

# 11. Interface Setting

## 11.1 USB-HID mode

In the HID protocol, there are 2 entities: the "host" and the "device".

The host communicates with the device and receives input data from the device on actions performed by the human.

The most common example of a "host" is a PC.

The "device" is the entity that directly interacts with a human, such as a keyboard or mouse.

If you want to set the scanner as a keyboard to enter the barcode , please read code "USB_HID"



USB_HID

## 11.2 USB virtual COM mode

In USB virtual COM mode, the scanner needs to work with driver and serial software.

Expected final behavior is that even if you open up another page , the scanned information will show up in the window of serial software.

Please let us know if you need to set it to USB virtual COM mode, we will send you the driver.

## 12.Stand-by Setting

By default, it is set to be 1 minutes. The scanner will enter into stand-by mode if there is no operation on it over 1 minutes. In stand-by mode, the CPU is still working. Short press on the trigger can wake it up.

\*\*Scan one of the following barcode to set the time interval, when it's idle exceeding the time interval you set,the scanner will enter into stand-by mode.


30 seconds


1 minutes -Default


5 minutes


30 minutes


60 minutes


166 minutes

\*\* Scan the following code to power off the scanner. The electricity consumption is 0.


Power off

# 13.Keyboard Language Setting

The scanner support 25 international keyboards.

You are suggested to set the keyboard language of the scanner to be in agreement with that in real use by scanning the correspondent barcode listed below.

UNITED STATES

BELGIUM

SPAIN

BRAZIL

DENMARK

SWEDEN

FRANCE

GERMANY

HUNGARY

LATIN AMERICA

ITALY

NETHERLANDS

NORWAY


PORTUGAL


SERBIA/YUGOSLAVIA


SLOVENIA


FINLAND


CANADIAN-FRENCH


CROATIA


SWITZERLAND (FRENCH)


CZECHOSLOVAKIA (CZECH)


SWITZERLAND (GERMAN)


CZECHOSLOVAKIA (SLOVAK)


POLAND


UNIVERSAL

## 14.Enable / Disable Barcode Type

**One-dimensional code**


All 1D code-On


All 1D code-Off*

**1D code   (white in black background)**


White in black background-On


White in black background-Off*

**UPC-A**


UPCA-On*


UPCA-Off


UPCA Check digit-On*


UPCA Check digit-Off

UPCA to EAN13-On



UPCA to EAN13-Off*

**UPC-E**



UPCE-On*



UPCE-Off



UPCE Check digit-On*



UPCE Check digigt-Off



UPCE to UPCA-On



UPCE to UPCA-Off*

**EAN-8**



EAN8-On*



EAN8-Off

**EAN-13**


EAN13-On*


EAN13-Off

**UPC/EAN Extra Code**


UPC/EAN extra code-On


UPC/EAN extra code-Off*

**Code 128**


Code128-On*


Code128-Off

**Interleaved 2 of 5**


Interleaved 2 of 5-On, Code1


Interleaved 2 of 5-On, Code2

Interleaved 2 of 5-Off*



Interleaved 2 of 5 check digit-On



Interleaved 2 of 5 check digit-Off*

**Matrix 2 of 5**



Matrix 2 of 5-On，code 1



Matrix 2 of 5-On，code 2

*Note: To enable it to read the Matrix 2 of 5, please read the 2 setting code above orderly.*



Matrix 2 of 5-Off*



Matrix 2 of 5 check digit-On



Matrix 2 of 5 check digit-Off*

**Industrial 2 of 5**



Industrial 2 of 5-On, code 1



Industrial 2 of 5-On, code 2

*Note: To enable it to read the Industrial 2 of 5code,    please read the 2 setting code above orderly.*



Industrial 2 of 5-Off*

**Standard 2 of 5**



Standard 2 of 5-On, code1



Standard 2 of 5-On Code2

*Note: To enable it to read the Standard 2 of 5 code,    please read the 2 setting code above orderly.*



Standard 2 of 5-Off*

Standard 2 of 5 check digit-On


Standard 2 of 5 check digit-Off*

**Code 39**


Code39-On*


Code39-Off


Code39 Full ASCII-On


Code39 Full ASCII-Off*


Code39 start&stop digit -On


Code39 start&stop digit -Off*


Code39 check digit-On


Code39 check digit-Off*

Code39 any length string-On

**Code 93**


Code93-On


Code93-Off*

**Code 11**


Code11-On


Code11-Off*


Code11 check digit-On


Code11 check digit-Off*

**ITF14**


ITF14-On


ITF14-Off*

ITF14 Check digit-On


ITF14 Check digit-Off*

**Codabar**


Codabar - On


Codabar-Off*

**MSI**


MSI - On，code1


MSI - On，code2

*Note: To enable it to read the MSI code, please read the 2 setting code above orderly.*


MSI-Off*

**PLESSEY**


Plessey-On


Plessey-Off*

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**GS1-128**



GS1-128-On*



GS1-128-Off*

**GS1-Databar**



GS1-Databar-On



GS1-Databar-Off*

**Code 32**



Code32-On



Code32-Off*



Code32 prefix A-on



Code32 prefix A-Off*

**QR code**


QR code-On*


QRcode-Off


White in black background-On


White in black background-Off*

**Data Matrix**


Data Matrix-On*


Data Matrix-Off


White in black background-On


White in black background-Off*

**PDF 417**


PDF 417-On*


PDF 417-Off

White in black background-On

White in black background-Off*

**Aztec code**

Aztec code-On

Aztec code-Off*

**Maxi Code**

Maxi Code-On

Maxi Code-Off*

# 15. Insert and delete Character

The barcode scanners permit special characters to be added at the beginning (prefix) or end (suffix) of the scanned barcode.
The character also can be deleted.

**First step： Scan one of the following setup code to choose the event.**



Insert character



Delete character

**Second step： Scan one of the following setup code to choose the barcode type.**
Note： if you do not choose the barcode type, the setting will take effect for all barcode type by default.



All barcode type*



UPC&EAN



Code39



Coda bar



Code128



Code93

Interleaved 2 of 5



Code11



MSI



GS1-Databar



Data Matrix



QR



Aztec Code



Maxi Code



Industrial 2 of 5, ITF14



Matrix 2 of 5



Bookland EAN/ISBN,ISSN



PDF417

**Third step : Scan one of the following setup code to choose the data group.**

*Note 1* :   *if you do not choose the data group, the scanner will take   "Data group 1" as default setting.*



Data group 1*          Data group 2          Data group 3          Data group 4



Data group 5          Data group 6          Data group 7          Data group 8

**Note 2**

*The data group is used to distinguish between different setting events.*
*it work on the following circumstances:*
*1).Differentiating the setting for different barcode types*
*2).Distinguish add / delete prefix or suffix*

*Different events can take effect at the same time.*
*Example 1 :*
*If you want to put   "A"   before the Code39 type barcode,   put "B" before the Code128 type barcode .*
*The setting steps is :*
*Insert charater> Code39>**Data group 1** > Before barcode> 065 A> Saving settings*
*Insert charater> Code128>**Data group 2** > Before barcode> 066 B> Saving settings*

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*After that,*

*when the scanner read a Code39  barcode, it will add  " A "  before the barcode.*
*When it read a Code128 barcode, it will add  "B"  before the barcode.*
*when it read other type barcode ,like UPC, it will not add any character.*

*Example 2:*
*If you want to put "A" before barcode, put "B" after barcode.*
*The setting steps is :*
*Insert charater > All barcode type > **Data group 1** > Before barcode > 065 A > Saving settings*
*Insert charater> All barcode type > **Data group 2** > After barcode > 066 B> Saving settings*

*After that,*
*when the scanner read barcode 123456789, the barcode received by the computer will be A123456789B.*

**Fourth steps :  Scan one of the following setup code to choose the position**


Before barcode


After barcode

**Fifth steps : Choose the character you want to add or the digit you want to delete.**
Character table please see page 44.

| | |
|---|---|
| 001 SOH | One character |
| 002 STX | Two characters |
| 003 ETX | Three characters |
| 004 EOT | Four characters |
| 005 ENQ | Five characters |
| 006 ACK | Six characters |
| 007 BEL | Seven characters |
| 008 Back Space | Eight characters |
| 009 HT/TAB | Nine characters |
| 010 LF | Ten characters |

**Sixth steps:   Scan the below code to save the setting**



Save setting

*Note :   In the course of character setting, if other unrelated barcodes are scanned, the scanner will exit the character setting.*

# Insert character operation example

Original barcode : 123456789 [barcode]

| | Insert A before barcode | Insert C after third bits of barcode | Insert E after barcode |
|---|---|---|---|
| Step 1 | [QR code] | [QR code] | [QR code] |
| | . Insert character | Insert character | Insert character |
| Step 2 | [QR code] | [QR code] | [QR code] |
| | All barcode type | All   barcode type | All   barcode type |
| Step 3 | [QR code] | [QR code] | [QR code] |
| | Data group 1 | Data group 1 | Data group 1 |
| Step 4 | [QR code] | [QR code] | [QR code] |
| | Before barcode | 003    ETX | After barcode |

| Step 5 |  @09065@ **065 A** |  @09067@ **067 C** |  @09069@ **069 E** |
|---|---|---|---|
| Step 6 |  Save setting |  Save setting |  Save setting |
| Result: | **A**123456789 | 123**C**456789 | 123456789**E** |

If you want to clear the previous inserted character, please scan the following codes orderly:



Insert character



Clear setting

# Delete character operation example

Original barcode : 123456789 

| | Delete one character before barcode | Delete two character after third bits of barcode | Delete three character after barcode |
|---|---|---|---|
| Step 1 | <br>Delete character | <br>Delete character | <br>Delete character |
| Step 2 | <br>All barcode type | <br>All   barcode type | <br>All   barcode type |
| Step 3 | <br>Data group 1 | <br>Data group 1 | <br>Data group 1 |

| Step 4 | \nBefore barcode | \n003    ETX | \nAfter barcode |
|---|---|---|---|
| Step 5 | \n@09001@\n001 SOH | \n@09002@\n002 STX | \n@09003@\n003 ETX |
| Step 6 | \nSave setting | \nSave setting | \nSave setting |
| Result: | 23456789 | 1236789 | 123456 |

If you want to cancel the previous deleted character, please scan the following codes orderly:



delete character



Clear setting

**ASCLL Barcode Table**

| @09000@ | @09001@ | @09002@ |
|---------|---------|---------|
| 000  NUL/SP | 001  SOH | 002  STX |

| @09003@ | @09004@ | @09005@ |
|---------|---------|---------|
| 003  ETX | 004  EOT | 005  ENQ |

| @09006@ | @09007@ | @09008@ |
|---------|---------|---------|
| 006  ACK | 007  BEL | 008  Back Space |

**@09009@**

009    HT/TAB



**@09010@**

010    LF



**@09011@**

011    VT



**@09012@**

012    FF



**@09013@**

013    CR/ENTER



**@09014@**

014    SO



**@09015@**

015    SI



**@09016@**

016    DLE



**@09017@**

017    DC1



**@09018@**

018    DC2



**@09019@**

019    DC3



**@09020@**

020    DC4

**@09021@**

021    NAK

**@09022@**

022    SYN

**@09023@**

023    ETB

**@09024@**

024    CAN

**@09025@**

025    EM

**@09026@**

026    SUB

**@09027@**

027    ESC

**@09028@**

028    FS

**@09029@**

029    GS

**@09030@**

030    RS

**@09031@**

031    US

**@09032@**

032    SP

**@09033@**

033    !


**@09034@**

034    "


**@09035@**

035    #


**@09036@**

036    $


**@09037@**

037    %


**@09038@**

038    &


**@09039@**

039    '


**@09040@**

040    (


**@09041@**

041    )


**@09042@**

042    *


**@09043@**

043    +


**@09044@**

044    ,

@09045@

045　-



@09046@

046　.



@09047@

047　/



@09048@

048　0



@09049@

049　1



@09050@

050　2



@09051@

051　3



@09052@

052　4



@09053@

053　5



@09054@

054　6



@09055@

055　7



@09056@

056　8

**@09057@**
057    9


**@09058@**
058    :


**@09059@**
059    ;


**@09060@**
060    <


**@09061@**
061    =


**@09062@**
062    >


**@09063@**
063    ?


**@09064@**
064    @


**@09065@**
065    A


**@09066@**
066    B


**@09067@**
067    C


**@09068@**
068    D

@09069@

069    E



@09070@

070    F



@09071@

071    G



@09072@

072    H



@09073@

073    I



@09074@

074    J



@09075@

075    K



@09076@

076    L



@09077@

077    M



@09078@

078    N



@09079@

079    O



@09080@

080    P

@09081@

081   Q


@09082@

082   R


@09083@

083   S


@09084@

084   T


@09085@

085   U


@09086@

086   V


@09087@

087   W


@09088@

088   X


@09089@

089   Y


@09090@

090   Z


@09091@

091   [


@09092@

092   \

@09093@

093    ]



@09094@

094    ^



@09095@

095    _



@09096@

096    `



@09097@

097    a



@09098@

098    b



@09099@

099    c



@09100@

100    d



@09101@

101    e



@09102@

102    f



@09103@

103    g



@09104@

104    h

@09105@

105    i

@09106@

106    j

@09107@

107    k

@09108@

108    l

@09109@

109    m

@09110@

110    n

@09111@

111    o

@09112@

112    p

@09113@

113    q

@09114@

114    r

@09115@

115    s

@09116@

116    t

**@09117@**

117   u



**@09118@**

118   v



**@09119@**

119   w



**@09120@**

120   x



**@09121@**

121   y



**@09122@**

122   z



**@09123@**

123   {



**@09124@**

124   |



**@09125@**

125   }



**@09126@**

126   ~



**@09127@**

127   DEL



**@09128@**

128   F1

| | | |
|---|---|---|
| @09129@ | @09130@ | @09131@ |
| 129  F2 | 130  F3 | 131  F4 |
| @09132@ | @09133@ | @09134@ |
| 132  F5 | 133  F6 | 134  F7 |
| @09135@ | @09136@ | @09137@ |
| 135  F8 | 136  F9 | 137  F10 |
| @09138@ | @09139@ | @09140@ |
| 138  F11 | 139  F12 | 140  l_Shift on |

| @09141@ | @09142@ | @09143@ |
|---|---|---|
| 141  l_Shift off | 142  r_Shift on | 143  r_Shift off |

| @09144@ | @09145@ | @09146@ |
|---|---|---|
| 144  l_Alt on | 145  l_Alt off | 146  r_Alt on |

| @09147@ | @09148@ | @09149@ |
|---|---|---|
| 147  r_Alt off | 148  l_Ctrl on | 149  l_Ctrl off |

| @09150@ | @09151@ | @09152@ |
|---|---|---|
| 150  r_Ctrl on | 151  r_Ctrl off | 152  /(KP) |

| @09153@ | @09154@ | @09155@ |
|---------|---------|---------|
| 153   *(KP) | 154   -(KP) | 155   +(KP) |

| @09156@ | @09157@ | @09158@ |
|---------|---------|---------|
| 156   _(KP) | 157   Enter(KP) | 158   0(KP) |

| @09159@ | @09160@ | @09161@ |
|---------|---------|---------|
| 159   1(KP) | 160   2(KP) | 161   3(KP) |

| @09162@ | @09163@ | @09164@ |
|---------|---------|---------|
| 162   4(KP) | 163   5(KP) | 164   6(KP) |

@09165@

165　　7(KP)



@09166@

166　　8(KP)



@09167@

167　　9(KP)



@09168@

168　　Inert



@09169@

169　　Delete



@09170@

170　　Home



@09171@

171　　End



@09172@

172　　Page Up



@09173@

173　　Page Down



@09174@

174　　Up



@09175@

175　　Down



@09176@

176　　Left

@09177@

177    Right



@09178@

178    Center



@09179@

179    Insert



@09180@

180    Delete



@09181@

181    Home



@09182@

182    End



@09183@

183    Page Up



@09184@

184    Page Down



@09185@

185    Up



@09186@

186    Down



@09187@

187    Left



@09188@

188    Right

**@09189@**

189


**@09190@**

190    Num Lock


**@09191@**

191    caps lock


**@09192@**

192    scroll lock