

BF0022 1D

Barcode Scanner

Manual

Service Mailbox:
server@nadamoo.cn
nadamoo@126.com

V31.4

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

Please note that this scanner is a laser bar code scanner, it can not scan barcode **on screen**. All the bar code on the digital manual should be printed to scan!

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 one of the following email address:

server@nadamoo.cn

nadamoo@126.com

You should write down the model & the specific scenario and consult us , when you find the scanner is abnormal.

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Technical Parameter

Mfr P/N	BF0022	
Connection technology	Bluetooth + 2.4 GHz Radio Wireless	
Max Transmission Range	50m in bluetooth mode, 100m in 2.4 GHz wireless mode	
Memory	100000 barcodes	
Battery capacity	1400mAh	
Charging power	DC 5V 400mA	
Light source	650±20nm VLD	
LED life	12000 hours	
Button life	8000,000 times	
Resolution	3. mil	
Scanning width	30cm	
CPU	ARM 32-bit Cortex	
Bit Error rate	1/20million	
Printing Contract	> 25%	
Decoding speed	300 times/sec	
Scanning angle	rotor angel±30°, inclination± 45°, declination ± 60°	
Drop test	2.0m	
Certificate	CE, FCC, RoHS , IP54	
Depth of Field	3mil	2mm-100mm
	10mil	2mm-350mm
	15mil	5mm-500mm
	30mil	10mm-800mm
Applicable 1D barcode	UPC/EAN、Code128、Code39、Code 39Full ASCII、Coda bar、industrial /Interleaved 2 of 5、Code93、MSI、Code11、ISBN、ISSN、etc.	

Packing list

- Barcode scanner*1
- USB Cable*1
- Instruction Manual*1
- USB Wireless Receiver*1

Battery & Charging

The scanner is powered by 1400mAh rechargeable battery.

Please charge the scanner at least 30 minutes before use to ensure that the scanner has enough power.

Insert one end of USB cable into the bottom of scanner, and insert another end to computer USB interface or 5V DC USB interface adapter.

Charging indicator:

The red indicator light on the top of the scanner will slightly strobe during charging.

The red light will go off when the scanner is fully charged.

NOTE:

1. Please use computer USB interface or 5V DC power adapter for charging, the abnormal power adapter will cause permanent damage to scanner and battery.
2. The USB cable is only used for charging, not for receiving the barcode.
3. When the top red indicator light cyclically flashes three times, it means the battery is at low power. Please stop using and recharge it. .

Quick Start Guide

The scanner support 2 connections: Bluetooth mode, 2.4Ghz wireless mode .

When turn the scanner on for the first time, the scanner will enter into Bluetooth pairing by default.

Connection mode indication:

When the light on the top of the scanner turns blue, it indicates the scanner is in bluetooth mode.

When the light on the top of the scanner turns green, it indicates the scanner is in 2.4 GHz wireless mode.

It is suggested to use 2.4GHz wireless mode on the computer, use bluetooth mode on the smartphone, tablets.

1. Bluetooth mode quick start guide

--To use the scanner on Android / iOS device

STEP1. Scan the following code "Bluetooth mode" to set the scanner to bluetooth mode. The blue light is on and the red light is flashing, which means the scanner enters into bluetooth pairing mode.



Bluetooth mode

STEP2. Enable bluetooth function till find out "Scanner XXX" (XXX is the scanner id), and click it to begin bluetooth pairing. Wait a few seconds, the red light will be off and the blue light is still on, and the buzzer beeps twice , which means bluetooth pairing is successful.

STEP3. Scan the code “instant upload mode” to set the scanner instantly upload barcode.



Instant upload mode

STEP4. Test the scanner using Numbers app (iOS) or Microsoft Excel (Android), click on any cell and then scan a barcode to see if the barcode comes up on the cell.

Note 1: Once the pairing is successful, the keyboard of your device will disappear.

** To show or hide iOS keyboard.

method 1: scan the following code , it will active the soft keypad; scan the code again,the soft keypad will hide.



Show/hide iOS keyboard

method 2: Double click trigger quickly, it will active the soft keypad. Double click trigger quickly again, the soft keypad will hide.

** To show Android keyboard, it needs to install the “CILICO Bluetooth barcode input method” APP. Please contact us for the app and tutorial.

Note 2: If some characters are missing, please slow down the character transmission speed. The default instant upload speed is “**speed 30**” . The higher the value, the slower the speed is.



Speed 30*



Speed 40



Speed 50



Speed 60

2. 2.4GHz wireless mode quick start guide

--To use the scanner on computer

You may sometimes want to use the scanner on computer, in this case , please set up the scanner according to the following steps.

STEP1. Scan the following code “2.4GHz Wireless Mode” to change the connection mode from bluetooth mode to 2.4Ghz wireless mode. When the light on the top of the scanner turns green, it means the scanner successfully changes mode to 2.4GHz Wireless Mode.



2.4GHz wireless mode

Note: if you want to set the scanner back to bluetooth mode, please press and hold the button for 10 seconds or scan the code “bluetooth mode” . When the light on the top of the scanner turns blue, it means the scanner successfully changes mode to bluetooth mode.

STEP2. Plug the USB receiver in to USB port of your computer, and then scan the code “match” to pair the scanner with the USB receiver.



Match

Note: 30 seconds after the USB receiver is plugged, the scanner cannot match the USB receiver. If the pairing fails, the scanner will emit sound like “di en” . Please unplug the USB receiver and plug it again, then scan the code “match”

STEP3. Scan the code “instant upload mode” to set the scanner to instantly upload the barcode



Instant upload mode

STEP4. Test the scanner using Microsoft Excel , click on any cell and then scan a barcode to see if the barcode comes up on the cell.

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 all barcode can not be read?

Answer:

After resetting the scanner into factory settings, the scanner was set to bluetooth mode by default.

If you want to use it in 2.4G wireless mode, please connect the scanner to your computer via USB receiver, and then scan the following codes "2.4GHz Wireless mode" "Match" "instant upload mode".

If you want to use it in bluetooth mode, please scan the code "Bluetooth mode" to change the scanner bluetooth mode first, and enable the bluetooth on your smartphone/tablet.

There may be some other reasons for this issue. Please troubleshoot the product according to the troubleshooting instruction on page 11.

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 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. 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-Enable" on page 31.

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 "Code39 FullASCII-Enable" on page 31.

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.

Q5. Is there any barcodes to remove auto-enter after every scanning?

Answer:

To remove the auto-enter, please read the code "disable suffix" on page 28.

Q6. Why does scanner not read the first digit of UPCE barcode.

Answer:

The first digit of UPCE barcode is system character. The scanner does not output the system character by default.

To enable the scanner to read the first digit of UPCE, read the code "Show UPCE system digit" on page 30.

Q7. How to add TAB?

Answer:

To add TAB, read the code "TAB" on page 28.

Q8. Can the scanner send two enter after every scanning?

Answer:

To add two enter, please read these codes in order.

"Insert character" (on page 34)

"All barcode type" (on page 34)

"Data group 1" (on page 35)

"After barcode" (on page 37)

"013 CR/ENTER" (on page 41)

"013 CR/ENTER" (on page 41)

"Save settings" (on page 38)

Troubleshooting (Bluetooth Mode)

Problem	Possible Reason	Solution
Power on the scanner, the scanner has no reaction. 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	Recharge the scanner
The scanner can not hold the charge	The PC's USB port is damaged	Using another USB port for charging
	The USB cable is damaged	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 damaged	Contact us for the replacement
Scanner is in good condition. But the barcode can not be sent to my phone/tablet	The scanner was set to 2.4Ghz wireless mode	Enable the bluetooth in your device, and then scan the code"
	The scanner was set to storage mode , scanned data will be kept in the buffer of scanner	"bluetooth mode" "instantly upload mode"
	The bluetooth is disabled.	

Troubleshooting (2.4Ghz wireless Mode)

Problem	Possible Reason	Solution
Insert the USB receiver into the PC 's USB port, the receiver' s light does not light up.	1. The PC' s USB port is damaged	Connect the USB receiver to another USB port
	2. The USB receiver is damaged	Contact us for the replacement.
Power on the scanner, the scanner has no reaction. the buzzer does not beep, the green light on the top of scanner does not turn on, the red scanning laser does not show up.	The battery run out	Recharge the scanner
The scanner can not hold the charge.	The PC' s USB port is damaged.	Using another USB port for charging
	The USB cable is damaged	Contact us for the replacement
Power on the scanner, the buzzer beeps, the green 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 damaged	Contact us for the replacement
Scanner and USB receiver are all in good condition. But the barcode can not be sent to my computer.	The scanner was set to bluetooth mode	Unplug the receiver and plug it in to PC' s USB port, and scan the following codes:
	The scanner failed to match the USB receiver	
	The scanner was set to storage mode , scanned data will be kept in the buffer of scanner	"2.4GHz wireless mode" "match" "instantly upload mode"

Optional Function Settings

Settings of the barcode scanner can be changed by scanning the setup barcodes included in this manual.

1. Switch Connection Mode

There are 2 operations to switch the mode.

1) Scan one of the following settings barcode to select the mode.



Bluetooth-mode



2.4GHz wirelessmode

2) Press and hold the button for 10seconds to change the mode

► In Bluetooth mode, press and hold the button for 10seconds, the buzzer emits sound like "Di-da-di", "DI-di-di", which means the switching operation is complete, release the button, the green light is on which means the scanner successfully switches to 2.4GHz wireless mode.

► In 2.4GHz wireless mode, press and hold the button for 10seconds, the buzzer emits sound like "Di-da-di", "DI-di-di" which means the switching operation is complete, release the button, and the blue light is on which means the scanner successfully switches to Bluetooth-mode.

Connection mode indication:

When the light on the top of the scanner turns blue, it indicates the scanner is in bluetooth mode.

When the light on the top of the scanner turns green, it indicates the scanner is in 2.4 GHz wireless mode.

2. Bluetooth Mode Pairing Setting

Enable bluetooth function till find out "Scanner XXX" (XXX is the scanner id), and click it to begin bluetooth pairing. Wait a few seconds, the red light will be off and the blue light is still on, and the buzzer beeps twice , which means bluetooth pairing is successful.

If you want to disconnect the bluetooth pairing, please scan the following code:



disconnect the bluetooth pairing

If you want to set the scanner to connect the recently matched device, please scan the following code:



Connect the recently matched device

If you want to clear all the pairing records of the scanner, please scan the following code:



Clear all the pairing records

3. 2.4GHz Wireless Mode Pairing Setting

In 2.4GHz wireless mode, two kinds of pairing modes are supported.

3.1 One scanner to one receiver: One scanner only sends barcode to one receiver.



Pairing operation:

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



Match

Pairing indication:

- (1) If the pairing succeeds, the buzzer beeps "DI-en""di di di"
- (2) If the pairing faileds, 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 sets.



- (1) Plug the USB receiver A into PC A.
- (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 (or unplug the receiver A), plug the USB receiver B into PC B USB port
- (4) Scan the code "match" using scanner B to pair the scanner B with the receiver B.

.....



Match

3.2. Max.32 Scanner - to - One receiver

Multiple scanners send barcode to one USB receiver. One USB receiver can connect to 32 scanners at most.

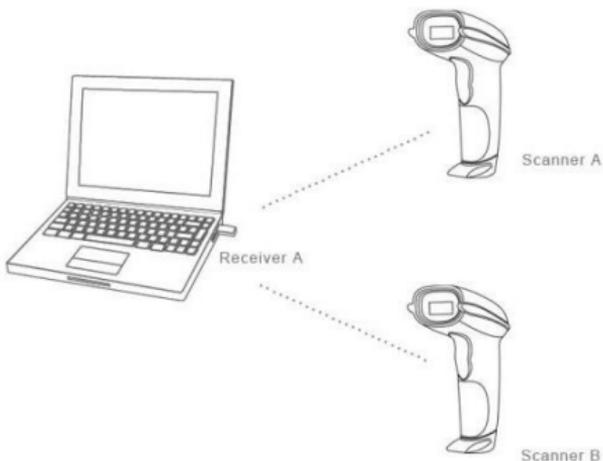
Pairing operation:

- (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) 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



4. Upload Mode Setting

Two kinds of upload modes are supported in both bluetooth mode & 2.4GHz wireless mode.

4.1. 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 blue/green indicator light flashes once and the buzzer beeps once when the barcode is uploaded successfully.

(2) The red indicator light flashes once and the buzzer emits sounds like slow "DI---en" when the barcode can not be uploaded.

Note:

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



Speed 00 * (wireless default)



Speed 05



Speed 10



Speed 15



Speed 20



Speed 30* (bluetooth default)



Speed 40



Speed 50



Speed 60

4.2. Storage mode : Read barcodes and store the barcodes in scanner' s own memory. You can upload the data to computer in batches when you need them. Internal storage saves up to 100,000 barcodes.

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

** To convert scanner from "instant upload mode" to "storage mode", please scan the following barcode "Storage mode " .



Storage mode

** Scan 'Upload Data' barcode to upload data from memory . (for storage mode only)



Upload data

** Scan the "Show total storage" barcode to show total number of stored barcode. (for storage mode only)



Show total storage

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



Zero clearing

Scanning indication:

(1) The blue/green indicator light flashes once and the buzzer rang a fast "DI-en" when the barcode is saved successfully in the built-in memory of the scanner

(2) The red indicator light flashes once and the buzzer rang a slow "DI---en" when the barcode can not be saved in the built-in memory of the scanner, because 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 1:

In storage mode, the transmission speed between every barcode can be changed by scanning the following code. The higher the value, the slower the speed is.

Note 2:

If the character upload speed (on page 18) is set to a slower speed, and the barcode upload speed is set to a higher speed. When uploading data in storage mode, the data maybe be lost. If some character or barcode are missing, please set the scanner to lower barcode transmission speed.



Speed 000* (wireless default)



Speed 005



Speed 010* (bluetooth default)



Speed 040



Speed 050



Speed 060

5. Voice Setting

**Scan one of the following barcode to select the decoding beep mode



Low volume



Medium volume



High volume (default)



Close Beep

** Scan one of the following barcode to select the start-up beep mode



High volume (default)



Medium volume



Low volume



Close Beep

6. Scanning Mode Setting

Two kinds of scanning modes are supported in both bluetooth mode & 2.4GHz wireless mode.

6.1. Manual trigger mode (default) :

User press the trigger, the scanner will emit a red light to read the barcode. When user release the trigger, the red light will go off.

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



Manual trigger mode (default)

6.2. Continuous scanning mode

There' s no need to click the trigger in this mode. The red light of the scanner will be on all the time.

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



Continuous Scanning Mode

7. Battery Remaining

Put the cursor in the field, scan the following barcode, the battery remaining tip " DumpEnergy: xxx%" will comes up in the location of cursor



Battery Reserve

8. Interface Setting

Two kind of Interface are supported.

8.1. 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.

** To set the scanner as a keyboard to enter the barcode , please read the following code "USB_HID(default)"



USB_HID (default)

8.2. USB virtual COM mode

In USB virtual COM mode, when you pull the trigger, the barcode won't come up on universal software like notepad, excel, word etc.

The scanner needs to work with driver and serial software, please contact us if you need to set it to USB virtual COM mode, we will send you the driver and tutorial.

9. Identity Barcode Type

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

Situation 1: Scan the code "Add ID front-on" 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 prefix any more, please scan the code "Add ID front-Off (default)" to hide it.



Add ID front - ON

Scan Goal Barcode



Add ID front-Off

Barcode type	ID	Barcode type	ID
CODE 93	h	MSI/PLESSEY	f
CODABAR	k	EAN-8	d
UPC-A	b	EAN-13	e
UPC-E	c	INTERLEAVED 2/5	i
ISBN	f	CODE 11	m
CODE 39	a	CODE 128	g

10. Keyboard Language Setting

The scanner support 25 international keyboards:

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



UNITED STATES (default)



FRENCH



SERBIA/YUGOSLAVIA



BELGIUM



GERMANY



SLOVENIA



BRAZIL



HUNGARY



SPAIN



NADIAN-FRENCH



ITALY



SWEDEN



CROATIA



LATIN AMERICA



SWITZERLAND (FRENCH)



CZECHOSLOVAKIA (CZECH)



NETHERLANDS



SWITZERLAND (GERMAN)



CZECHOSLOVAKIA (SLOVAK)



NORWAY



UNITED KINGDOM



DENMARK



POLAND



UNIVERSAL



FINLAND



PORTUGAL

11. Case Sensitivity Setting

The scanner can change all the letter cases of barcode into uppercase or lowercase.

Letter case of barcodes can be altered through scanning correspondent bar code below.



All Capital



All lowercase



Swap Capital/ lowercase



Cancel capital/lowercase settings

12. Power Off Setting

The scanner will be powered off if there is no operation on it in 2 mins by default. 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 be power off.



10s Automatic power off



50s Automatic power off



5mins Automatic power off



30mins Automatic power off



Power off



Never power off

13. Restore factory setting

To set the scanner to factory settings, please scan the code:



Restore factory setting

14. End character setting

By default, the scanner is sending a 'carriage return' after scanning a code (the same as pressing the 'enter' key) .



CR/ENTER (default)



CR+LF



Tab



Disable suffix

To add Enter Key, please read code " CR/ENTER(default) "

To disable Carriage Return, please read code " Disable suffix "

To add TAB, please read code "TAB"

To disable TAB, please read this code " Disable suffix "

Note: if you need other Terminator, please contact us.

15.Barcode Setting

The code ending with word "*" is the default settings.

UPCA:	
 UPCA-Enable*	 UPCA-Disable
 Show UPCA check digit*	 Hide UPCA check digit
 Show UPCA system digit*	 Hide UPCA system digit
 UPCA to EAN13-Enable	 UPCA to EAN13-Disable*
UPCE	
 UPCE-Enable*	 UPCE- Disable

 <p>Show UPCE check digit*</p>	 <p>Hide UPCE check digit</p>
 <p>Show UPCE system digit</p>	 <p>Hide UPCE system digit*</p>
 <p>UPCE to UPCA-Enable</p>	 <p>UPCE to UPCA-Disable*</p>
<p>EAN13</p>	
 <p>EAN13-Enable*</p>	 <p>EAN13-Disable</p>
 <p>Show EAN13 check digit*</p>	 <p>Hide EAN13 check digit</p>
 <p>EAN13 to ISBN-Enable</p>	 <p>EAN13 to ISBN - Disable*</p>
 <p>EAN13 to ISSN - Enable</p>	 <p>EAN13 to ISSN - Disable*</p>

EAN8



EAN8 - Enable*



EAN8-Disable



Show EAN8 check digit*



Hide EAN8 check digit

UPC/EAN Extra code



UPC/EAN extra code-Enable



UPC/EAN extra code-Disable*

Code39



Code39-Enable*



Code39-Disable



Code39 FullASCII-Enable



Code39FullSCII-Disable*



Show Code39 start/stop digit



Hide Code39 start/stop digit*

Code32

Code32- Enable



Code32-Disable*



Show Code32 check digit



Hide Code32 check digit*

Code128

Code128-Enable*



Code128-Disable

Code93

Code93-Enable*



Code93-Disable

Code11

Code11-Enable*



Code11-Disabel

CODABAR



CODABAR-Enable*



CODABAR-Disable



Show CODABAR start/stop digit



Hide CODABAR start/stop digit

Industrial 2 of 5



Industrial 2 of 5 -Enable*



Industrial 2 of 5 -Disable

Interleaved 2 of 5



Interleaved 2 of 5 -Enable*



Interleaved 2 of 5 -Disable

MSI



MSI-Enable



MSI-Disable

16. 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.



All barcode type



UPCE



UPCA



EAN8



EAN13



ISBN/ISSN



Code39



Code128



Code93



Codabar

 Interleaved 2 of 5	 Industrial 2 of 5
 MSI	 Code11
 China post	 GS1D
 GD1L	 GS1E
 Code32	

Note: if you do not choose the barcode type, the setting will take effect for all barcode type by default.

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

 Group 1	 Group 2
 Group 3	 Group 4



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

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

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 character > All barcode type > **Data group 1** > Before barcode > 065 A > Saving settings

Insert character > All barcode type > **Data group 2** > After barcode > 066 B > Saving settings

After that,

when the scanner reads 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 refer to ASCII code table on page 41.

Note 1:

Ten characters can be added or deleted at most.

Note 2:

For the character deleting event, below is the corresponding deleting characters table.

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

To remove the insert setting, scan the following code in order



Insert character



Clear setting

To remove the insert setting, scan the following code in order



Delete character



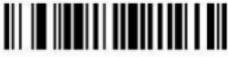
Clear setting

Insert or delete operation for example

In the process of setting, scan the irrelevant barcode, the scanner will exit setting status.

Example 1: Insert character: 123456789(Code128)



Insert Ab before barcode	Insert Cd after the third digit of the barcode	Insert Ef after barcode
1,  Insert Characters		
2,  All barcode types		
3,  Data Group 1		
4,  Before barcode	 003 ETX	 After Barcode
5,  065 A	 067 C	 069 E
6,  098 b	 100 d	 102 f
Each data group can insert within 10 characters		
7,  Save Settings		
Setup result		
Ab123456789	123Cd456789	123456789Ef
Removal of insert character settings, Please scan in turn	 Insert Characters	 Clear settings

I : Can set different bar code type, make this setting to this kind of bar code is effective

II : Can set different data group, make different Settings take effect at the same time

Example 2: Delete Character, 123456789(Code128)



Delete one digit before barcode	Delete two digit after the third digit of the barcode	Delete three digit after barcode
1,  Delete characters		
2,  All barcode types		
3,  Data Group 1		
4,  Before barcode	 003 ETX	 After Barcode
5,  001 SOH	 002 STX	 003 ETX
6,  Save Settings		
Setup result		
23456789	1236789	123456
Removal of delete character settings, Please scan in turn	 Delete characters	 Clear settings

I : Can set different bar code type, make this setting to this kind of bar code is effective

II : Can set different data group, make different Settings take effect at the same time

ASCII Table

 000 NUL/SP	 001 SOH	 002 STX
 003 ETX	 004 EOT	 005 ENQ
 006 ACK	 007 BEL	 008 Back Space
 009 HT/TAB	 010 LF	 011 VT
 012 FF	 013 CR/ENTER	 014 SO
 015 SI	 016 DLE	 017 DC1
 018 DC2	 019 DC3	 020 DC4
 021 NAK	 022 SYN	 023 ETB
 024 CAN	 025 EM	 026 SUB
 027 ESC	 028 FS	 029 GS
 030 RS	 031 US	 032 SP
 033 !	 034 "	 035 #
 036 \$	 037 %	 038 &
 039 '	 040 ( 041)
 042 *	 043 +	 044 ,
 045 -	 046 .	 047 /

 048 0	 049 1	 050 2
 051 3	 052 4	 053 5
 054 6	 055 7	 056 8
 057 9	 058 :	 059 ;
 060 <	 061 =	 062 >
 063 ?	 064 @	 065 A
 066 B	 067 C	 068 D
 069 E	 070 F	 071 G
 072 H	 073 I	 074 J
 075 K	 076 L	 077 M
 078 N	 079 O	 080 P
 081 Q	 082 R	 083 S
 084 T	 085 U	 086 V
 087 W	 088 X	 089 Y
 090 Z	 091 [ 092 \
 093]	 094 ^	 095 _

 096	 097 a	 098 b
 099 c	 100 d	 101 e
 102 f	 103 g	 104 h
 105 i	 106 j	 107 k
 108 l	 109 m	 110 n
 111 o	 112 p	 113 q
 114 r	 115 s	 116 t
 117 u	 118 v	 119 w
 120 x	 121 y	 122 z
 123 {	 124	 125 }
 126 ~	 127 DEL	 128 F1
 129 F2	 130 F3	 131 F4
 132 F5	 133 F6	 134 F7
 135 F8	 136 F9	 137 F10
 138 F11	 139 F12	 140 l_Shift on
 141 l_Shift off	 142 r_Shift on	 143 r_Shift off

 144 l_Alt on	 145 l_Alt off	 146 r_Alt on
 147 r_Alt off	 148 l_Ctrl on	 149 l_Ctrl off
 150 r_Ctrl on	 151 r_Ctrl off	 152 /(KP)
 153 *(KP)	 154 -(KP)	 155 +(KP)
 156 _(KP)	 157 Enter(KP)	 158 0(KP)
 159 1(KP)	 160 2(KP)	 161 3(KP)
 162 4(KP)	 163 5(KP)	 164 6(KP)
 165 7(KP)	 166 8(KP)	 167 9(KP)
 168 Inert	 169 Delete	 170 Home
 171 End	 172 Page Up	 173 Page Down
 174 Up	 175 Down	 176 Left
 177 Right	 178 Center	 179 Insert
 180 Delete	 181 Home	 182 End
 183 Page Up	 184 Page Down	 185 Up
 186 Down	 187 Left	 188 Right
 189	 190 Num Lock	 191 caps lock
 192 scroll lock		

