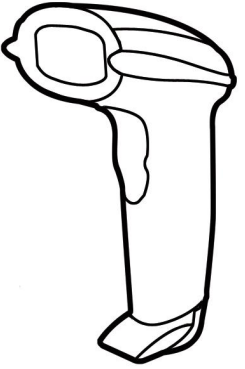
Barcode Scanner Manual



Contents

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 temporarily.

Please keep this instruction for reference in the future.

Technical Parameter：

Radio Frequency	1D Wired
Mode	Plug and Play
Working Power	USB 5V＋5%
Standby current	12μA typical / 60 μA max
Working current	86 mA typical / 214 mA max
Printing Contract	>25%
Light source	Laser
Button life	8000,000 times
Resolution	0.004 in. minimum element width
CPU	ARM 32-bit Cortex
Bit Error rate	1/20million
Decoding speed	10ms/times, Continuous static decoding without interval
Scanning angle	Pitch Angle±65°, Skew±50°, Roll±35°
Drop test	1.5 m
Certificate	CE, FCC，RoHS，IP54,BIS
Applicable 1D barcode	1D: EAN13、EAN8、UPC-A、UPC-E0、UPC-E1、Code128、Code39、Code93、CodaBar、Interleaved 2 of 5、Industrial 2 of 5、Matrix 2 of 5、Code11、 MSI-Plessey、Standard 2 of 5、Plessey、China Post、GS1 Databar(RSS-Expand, RSS-Limited, RSS-14)

1. Fectory Default

** Scan the following codes to reset the scanner to factory default.

Factory Default

2. Communication Mode

USB-HID

Serial COM

3.Serial port baud rate

1200bps

2400bps

4800bps

**9600bps

14400bps

19200bps

38400bps

57600bps

115200bps

4.Serial port verification mode

None

Odd Parity

Even Parity

5.Triggering Modes

Manual Trigger Mode

Continuous Trigger Mode

Enable Auto-sensing

Disable Auto-sensing

6.Manual Trigger Mode

****Edge triggering**

Level triggering

7.Single code reading time

1000ms

3000ms

5000ms

Unlimited length

8.Read interval length

**No interval

500ms

1000ms

3000ms

5000ms

9.Same code reading delay switch and delay time

Same code read delay on

Same code read delay off

Unlimited delay

**500ms

1000ms

3000ms

5000ms

Note: The length setting needs to be enabled for the time delay function

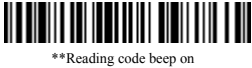
10.Beep Setting

**Buzzer on

Buzzer off

Power-on beep on

Power-on beep off



**Reading code beep on

Reading code beep off

11.Keyboard Language

**United States

Czech

France

Germany

Hungary

Italy

Japanese

Spain

Turkish Q

Turkish F

Brazil

Netherlands

United Kingdom

Switzerland

Canada

12.Data Editor

In practical applications, barcode data sometimes needs to be edited.
Data editing includes:

- **Add Prefix (Prefix)**
- **Add suffix (Suffix)**
- **Data Data Intercept**
- **Output Barcode Code ID**
- **Add end character (Tail)**

Processed output data format:
[Code ID][Prefix] [Data 段] [Suffix] [Tail]

Prefix

The prefix is located before the barcode data and is a user-defined string. The user can add and modify the prefix by reading the following setting code.


Modify prefix


Enable Prefix


Disable Prefix

Note: Read the "Modify Prefix" setting code first, then the "Data Code" setting code and the "Save" setting code, and finally the "Enable Prefix" setting code
See the appendix for the data code.
Prefixes are allowed up to 16 characters

Suffix

The suffix is located after the barcode data and is a string defined by the user. The user can add and modify the suffix by reading the following setting code


Modify Suffix


Enable Suffix


Disable Suffix

Note: Read the "Modify Suffix" setting code first, then the "Data Code" setting code and the "Save" setting code, and finally the "Enable Suffix" setting code
See the appendix for the data code.
Suffixes are allowed up to 64 characters.

Code ID

The Code ID uses a single character that the user adds by reading "Allow Add Code ID" to indicate a different barcode type. Please refer to Appendix X for the default Code ID.

Enable Code ID

Disable Code ID

Restore Code ID default

Modify Code ID Setting Code

Modify EAN13 Code ID

Modify EAN8 Code ID

Modify UPC-A Code ID

Modify UPC-E0 Code ID

Modify UPC-E1 Code ID

Modify CODE128 Code ID

Modify CODE39 Code ID

Modify CODE93 Code ID

Modify Codabar Code ID

Modify InterLeaved 2 of 5 Code ID

Modify Industrial 25 Code ID

Modify Matrix 2 of 5 Code ID

Modify MSI Code ID

Modify RSS Code ID

Modify Limited RSS Code ID

Modify Extended RSS Code ID

Tail

Disable Tail

Add CR

Add LF

Add Tab

Add CRLF

Data Section

The barcode information Data consists of 3 parts: [Start] [Center] [End]
The user can select the part of information to be output by reading the following setting code.

**Transfer of entire Data

Transfer Start only

Transfer Center only

Transfer End only

Transfer Start + End only

Modify the Start length

Modify the End length

Note: The user can modify the length of the Start segment and the length of the End segment by reading the following setting code, both the Start segment and the End segment are allowed to have a maximum of 99 characters, and both lengths are expressed in one decimal character. Both Start and End segments are allowed to have a maximum of 99 characters, and both of them are represented by one decimal character.

Code system setting

The user can read the following setting codes to allow/disallow global reading of all supported code systems and turn on the default type of operation. After disabling the reading of all types of code system, only the setting code is allowed to be read.

Enable reading of all types

Disable reading all types

Default reading type

Commodity barcode check digit

The following setting codes can be read to allow/disallow the check digit output of commodity barcode (commodity barcode includes: EAN13/EAN8/UPC-A/UPC-E).

Enable product check digits

Disable product check digits

EAN13 setting

Enable EAN13 reading

Disable EAN13 and UPC-A reading

UPC-A Setting

**Allows UPC-A format

UPC-A format disabled (only EAN13 format output)

UPC-A Converted EAN13

Enable UPC-A to EAN13 (required to allow UPCA format output)

Disable UPC-A to EAN13

Save and Cancel


Save


Cancel Setting

Note: 1. When editing barcode data, after reading the "data code", you need to read the "save" setting code to save

2. After reading the "Cancel" setting code, all the data codes previously read will be canceled. After canceling, you need to set again.

Appendix A: Data Code


NULL


SOH


STX


ETX


EOT


ENQ


ACK


BEL


BS


HT


LF


VT

FF

CR

SO

SI

DLE

DC1

DC2

DC3

DC4

NAK

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DEL

F1

F2

F3

F4

F5

F6

F7

F8

F9

F10

F11

F12

INSERT

HOME

Page UP

Page Down

Delete

End

Appendix B: Parameter Settings and Examples

Example 1: Modify the prefix customization to "ABC", there are spaces after ABC, total 4 bits of data

1, query the hexadecimal value corresponding to the 4 characters of "ABC space": "A", "B", "C", "SP".

2. Read the "Modify prefix "setting code"
3. Read the data code "ABC space" in turn.
4. Read the "Save" setting code
5. Read the "Enable Prefix" setting code.

Note: If step 4 is entered incorrectly, read the "Cancel" setting code and reset from step 2.

Example 2: Modify the suffix customization to "ABC", there are spaces after ABC, total 4 bits of data

1, query the hexadecimal value corresponding to the 4 characters of "ABC space": "A", "B", "C", "SP".

2. Read the "Modify suffix "setting code"
3. Read the data code "ABC space" in turn.
4. Read the "Save" setting code
5. Read the "Enable suffix" setting code.

Note: If step 4 is entered incorrectly, read the "Cancel" setting code and reset from step 2.

Example 3: Modify the CODE ID of EAN13 to "C"
1. Read the "Enable Setup Code", (if it is already enabled, you can skip this step). 3. Read the "Modify CODE ID of EAN13" setting code. 4.
3. Read the character code 'C'.

Note: If step 4 is entered incorrectly, read the "Cancel" setting code and reset from step 2.

Example 4: [Transmit Start segment only] The decoding information is "0123456789ABCDEFGH", and the first 10 characters are output as "0123456789". 1, Query the decimal value corresponding to the character "10" in the character table: "10".
2, read "Enable Setup Code", (if it is already enabled, you can skip this step).
3, read the "Modify Start Segment Length" setting code.
4, Read ASCII characters '1', '0' in sequence.
5, Sound prompt to finish.

Note: If step 4 is entered incorrectly, read the "Cancel" setting code and reset from step 2.

Example 5: [End segment only] The decoding message is "0123456789ABCDEFGH", and the last 10 characters are output as "89ABCDEFGH". 1, Query the decimal value corresponding to the character "10" in the character table: "10".
2, Read "Enable Setup Code", (if it is already enabled, you can skip this step).
3, Read the "Modify End segment length" setting code.
4, Read "10" in sequence.
6, Sound prompt to finish.
7, Read the "Transfer End Segment Only" setting code.

Note: If step 4 is entered incorrectly, read the "Cancel" setting code and reset from step 2.

Example 6: [Transfer Center segment only] Decode the message as "0123456789ABCDEFGH" and output the middle 3 characters "789".
1, the data is divided into 3 segments, Start: 0123456, Center: 789, End: ABCDEFGH, the length of Start segment is 7 characters, the middle segment is 3 characters, and the End segment is 8 characters. 2, query the character table "07" character corresponding to the value of the decimal system: "07".
3, Read "Enable Setup Code", (if it is already enabled, you can skip this step).
4, Read the "Modify Start segment length" setting code.
5, Read "0", "7" in order.
6、 Read the "Save" setting code.
7、 Query the decimal value corresponding to the character "08" in the character table: "08".
8, Read "Turn on the setting code", (if it is already enabled, you can skip this step).
9, read the "Modify End segment length" setting code.
10, Read "0", "8" in sequence.
11, Sound prompt to finish.
12, Read the "Transfer Center segment only" setting code.

Example 7: [Transmit Start + End segment only] The decoded message is "0123456789ABCDEFGH", output the first 0123456 + the last ABCDEFGH.
1, the data is divided into 3 segments, Start: 0123456, Center: 789, End: ABCDEFGH, the length of Start segment is 7 characters, the middle segment is 3 characters, and the End segment is 8 characters.
2, query the character table "07" character corresponding to the value of the decimal system: "07". 3, Read "Enable Setup Code", (if it is already enabled, you can skip this step). 4, Read the "Modify Start segment length" setting code.
5, Read "0", "7" in order.
6、 Read the "Save" setting code.
7、 Query the decimal value corresponding to the character "08" in the character table: "08". 8, Read "Turn on the setting code", (if it is already enabled, you can skip this step).
9, read the "Modify End segment length" setting code.
10, Read "0", "8" in sequence.
13, Sound prompt to finish.
14, Read the "Transfer Start + End segments only" setting code.