# Neo x100Pro
# Manual

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# 1:Start

## About user manual

**This user's manual includes code system settings, function settings (including lighting, keyboard type and factory settings) and interface settings. If you need to change the function you need, scan the configuration according to the configuration code below. All bands (*) are factory default values.**

## Restore original configuration




**(Recall Default)**




**(Read the Version Number)**

## Interface mode initialization

Identify as USB keyboard type, scan "USB keyboard" barcode.

In the environment of application software requiring serial port, USB can be identified as USB com type, which requires the user to install the driver.




**(USB Keyboard)**




**USB COM**

# 2:Function mode setting

### About function mode setting

This chapter can configure the function mode of the device, including working mode (such as image whitening), aimer setting, lighting configuration, LED indicator setting and horn setting. You only need to scan the corresponding configuration code in turn according to the requirements.

### Woking mode



7E9AA2

***Manual trigger mode**



7E9AA0

Auto scan mode

**The sensitivity of auto scan mode is 15 levels, 1 is the highest and 15 is the lowest**



B67A61



B67A62



B67A63



B67A64
















**Auto scan mode same barcode interval time setting**




**50ms**




**100ms**




**150ms**




**200ms**


7EFD65

**250ms**


7EFD66

**300ms**

## Barcode on / off


FFFEFD

**open all barcodes**


FFFEFC

**close all barcodes**


FFFEFB

**open all 1D barcodes**


FFFEFA

**close all 1D barcodes**


FFFEF9

**open all 2D barcodes**


FFFEF8

**close all 2D barcodes**

## Image whitening

B677A1

**Image whitening**

B677A0

**normal image barcode**

## light setting

B66771

***Aimer**

B66770

**Aimer**

B66781

***Light**

B66780

**Light**

B66890

**LED indicator is normal**

B66891

**LED indicator reverse**




**LED indicator always off**




**The indicator light is always on**

## sound setting




**Turn on the sound**




**sound off**

## Beeper duration




**normal**




**short**




**2.7KHz**




**1.6KHz**



7EB9B5

**2.0KHz**



7EB9B4

**2.4KHz**



7EB9B3

**3.1KHz**



7EB9B2

**3.5KHz**



7EB9B11

**4.2KHz**



7EB9B0

**silence**

Sleep settings



ADBE610

sleep after 10s



ADBE6100

After 100s will sleep

**Three level lighting setting**



ADC960

first level


ADC961

second level


ADC962

third level

## Code reading timeout setting


B6AE620

**30s**


B6AE640

**60s**


B6AE680

**120s**


B6AE6120

**180s**


B6AE6160

**240s**


B6AE6200

**240s**

## Interface setting

**RS232 interface**


FFBFFF

**RS232** Baud rate


7BEA60
**300**


7BEA61
**600**


7BEA63
**2400**


7BEA64
4800


7BEA65
9600


7BEA67
**19200**


7BEA68
**38400**


7BEA69
**57600**


7BEA610
**115200**

**Data bits**



7C6790
**7** bit



7C6791
**8** bit

**Stop bits**



7C67A0
**2** bit



7C67A1
**1** bit

**Check bit setting**



7C69B0
**O**



7C69B1
**S**



7C69B2
**E**



7C69B3
**M**



7C69B4
**N**

# output configuration

## About output configuration

In this chapter, you can configure the output of the device, including carriage return / line feed, adding prefix / suffix, setting the length of the barcode, removing the number of digits of the barcode (start / end removal) and multi keyboard switching settings. You only need to scan the corresponding configuration code in turn according to the requirements.

### Enter/Return setting




**add Return**




**cancle return**




**add shift**




**cancle shift**

### Remove barcode from start / end




**Remove the barcode from the beginning**




**Remove the code from end**




remove 1bit

**bar code length setting**


67EE61

**length is 1**


67EE6255

**Length is 255**


67FE60

**Bar code length locking**

## Additional code setting


6787D1

**Enable two digit additional code**


6787D0

**prohibit two digit additional code**


6787C1

**Enable five digit additional code**




**prohibit five digit additional code**




**All UPC / EAN codes must have additional codes**




Without additional codes

## Keyboard mode output Chinese

Keyboard mode can output in Chinese, if you need to output in Chinese, please scan the corresponding configuration code as required （ The default status is no Chinese, but other languages can be entered.)




default status




**Can be used for word, QQ, not for Excel, Notepad**




**can be used in Notepad and excel, but not in word**


7C8A60
**Belgium**


7C8A61
**britain**


7C8A62
**France**


7C8A63
**Germany**


7C8A64
**Italy**


7C8A65

Spain


7C8A66

**USA**


7C8A68

**Singapore**


7C8A69

**El Salvador**


7C8A610

**Japan**


7C8A611

**Sierra leone**


7C8A612

**Turkey**


7C8A613

**Russia**


7C8A614

**Hungary**


7C8A615

**Russian (Russia)**


A69E616

**Thai**

**Analog keyboard**

You may need to type your characters in the form of ASCII code. At this time, you can configure the corresponding configuration code to simulate keyboard according to the requirements


A6A761
**turn on analog keyboard**


A6A760
**shut off**


A6A771

**Turn on the analog keyboard, the front is zero**


A6A770

**shut off the analog keyboard, the front is zero**

**Shift Capital letter and lowercase**


A68861
**lowercase Data format**


A68862
**capital letter**


A68860
**Restore default**

**Data format**

The programming mode is that the user can edit the output prefix / suffix and lock the length of the bar code. The user needs to scan the configuration first, and then enter the programming mode, according to the configuration Set the bar code process for scanning configuration. Two examples of programming mode of configuration will be attached for users' reference. For details, please check the bar code length locking and add pre / suffix.

(bar code length locking supports up to 6 bar code type length locking configurations, prefix and suffix respectively

## Bar code system configuration About setting

**This chapter can configure the barcode system of the device, including UPC / ean, CodeBar, code39, full ASCII, code39, interleaved 2 of 5, code93, UPC-A, GS1 DataBar omnidirectional, GS1 DataBar expanded, PDF417, QR code, Hong Kong 2 of 5 (China Post) and airline 2 of 5, You just need to scan the corresponding configuration code in turn （ Default is *)**

### Barcode setting

#### 1. Airline 2 of 5




**Enable**




**prohibit**

#### 2. Aztec Code




**Enable**




***Prohibit**

#### 3. Codaba




***Enable**




**prohibit**

#### 4. Codablock A




**Enable**


8CA760
***Prohibit**

**5. Codablock F**


8CA771
**Enable**


8CA770
***Prohibit**

**6. Code 128**


667791
***Enable**


667790
**Prohibit**

**7. Code 11**


666791
**Enable**


666790
***Prohibit**

## 8. Code 32



6687B1

**Enable**



6687B0

***Prohibit**

## 9. Code 39



667771

***Enable**



667770

**Prohibit**

## 10. Code93



667781

**Enable**



667780

***Prohibit**

## 11.Composite



A66761

**Enable**



A66760

***Prohibit**

## 12. Data Matrix Code



66B791

***Enable**



66B790

**Prohibit**

## 13. EAN/UPC



6677C1

***Enable**



6677C0

**Prohibit**

## 14. EAN-8



6687A1

***Enable**



6687A0

**Prohibit**



6DF761

**Output ean-8 check bit**


6DF760

**Don't output ean-8 check bit**


6DB781

**EAN-8 to EAN-13**


6DB780

***prohibit EAN-8 to EAN-13**

**15. EAN-13**


668771

***Enable**


668770

**prohibit**


6DF781

***output EAN-13 Check digit**


6DF780

**Don’t output EAN-13 check digit**

### 16. Full ASCII Code39



6687D1

**Enable**



6687D0

***Prohibit**

### 17. GS1 DataBar Expanded



66A7B1

**Enable**



66A7B0

***Prohibit**

### 18. GS1 DataBar Limited



66A7A1

**Enable**



66A7A0

***Prohibit**

### 19. GS1 DataBar Omnidirectional



66A791

**Enable**



66A790

***Prohibit**

## 20. HANXIN


8D9771
**Enable**


8D9770
***Prohibit**

## 21. Hong Kong 2 of 5(China post)


6697C1
**Enable**


6697C0
***Prohibit**

**Notice: When reading a postal, all other postal need close.**

## 22. Interleaved 2 of 5


6677B1
***Enable**


6677B0
**Prohibit**

### 23. Matrix 2 of 5



6667B1

**Enable**



6667B0

***Prohibit**

### 24. Maxicode



66C7A1

**Enable**



66C7A0

***Prohibit**

### 25. MicroPDF417



66A7D1

**Enable**



66A7D0

***Prohibit**

### 26. Micro QR Code



66C7B1

**Enable**



66C7B0

***Prohibit**

## 27. MSI


668781
**Enable**


668780
***Prohibit**

## 28. PDF417


666761
***Enable**


666760
**Prohibit**

## 29. Pharmacode


ACF7B1
**Enable**


ACF7B0
***Prohibit**

## 30. QR Code


66C781
***Enable**


66C780
**Prohibit**


A6E760

*** Open URL QR code**


A6E761

**Turn off URL QR code**

## 31. Straight 2 of 5 Industrial


667761

**Enable**


667760

***Prohibit**

## 32. Telepen


6667D1

**Enable**


6667D0

***Prohibit**

## 33. Trioptic Code


669781

**Enable**


669780

***Prohibit**

## 34. UPC-A


6687C1

***Enable**


6687C0

**Prohibit**


6DB7D1

***UPC-A Output check bit**


6DB7D0

**UPC-A Prohibit**


6DB771

***Output UPC-A system character**


6DB770

**Prohibit UPC-A output**


6DB7A1

**UPC-A to EAN-13**


6DB7A0

***prohibit UPC-A to EAN-13**

## 35. UPC-E


668761

***Enable**


668760

**prohibit**


6DB7C0

***prohibit UPC-E output**


6DB7C1

**Open UPC-E output**


6DB790

***Prohibit UPC-E header characters output**


6DB791

**Output UPC-E header character**


6DB7B1

**Upc-e extended to 12 bits**


6DB7B0

*** Prohibit upc-e expansion to 12 bits**

# Special functions

## Setting Details

This chapter enumerates some configuration examples of equipment use, and specifically describes the configuration method of special functions, which is convenient for users to carry out actual operation, so as to be familiar with the use of products. You only need to scan the corresponding configuration code in turn according to the requirements to complete the configuration of special functions.

Only set the suffix before cross 25



A6A7D1

**open**



A6A7D0

**off**

### Scan billing data code

Scan setting code one by one:



A67962

**only use on notepad,excel, no word**



A6C791

**open**



A6C790

**off**

### The configuration outputs only the first 24 characters

For example: if need scan whole code is（9866986546666777969696123 and test 96969688）

Scan following code one by one:



B69781



B68E624

Display all information (Chinese output configuration required):

A67960

**default setting**

A67962

**Use in notepad,excel ,no word**

A67961

**Using in word，prohibit notepad,excel**

## Web Chinese input settings

Scan one by one:

FFFFFE

**Factory setting**

A67964

**Utf-8** code（using in **word,**prohibit notepad、**excel**）

7CC790

**Cancel Return**

7CC780

**Cancel Enter**

Add suffix (scan the following two bar codes to find the corresponding characters and numbers in turn)



FFFFFF



6ABF60

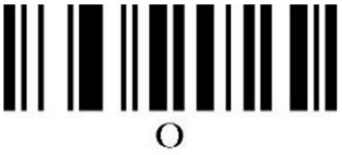
**Attachment: ASCII code table**

| Decimal number | character | Decimal number | character | Decimal number | character | Decimal number | character |
|---|---|---|---|---|---|---|---|
| 000 | NUL | 032 | SP | 064 | @ | 096 | ‘ |
| 001 | SOH | 033 | | 065 | A | 097 | a |
| 002 | STX | 034 | " | 066 | B | 098 | b |
| 003 | ETX | 035 | # | 067 | C | 099 | c |
| 004 | EOT | 036 | $ | 068 | D | 100 | d |
| 005 | ENQ | 037 | % | 069 | E | 101 | e |
| 006 | ACK | 038 | & | 070 | F | 102 | f |
| 007 | BEL | 039 | ` | 071 | G | 103 | g |
| 008 | BS | 040 | ( | 072 | H | 104 | h |
| 009 | HT | 041 | ) | 073 | I | 105 | i |
| 010 | LF | 042 | * | 074 | J | 106 | j |
| 011 | VT | 043 | + | 075 | K | 107 | k |
| 012 | FF | 044 | , | 076 | L | 108 | l |
| 013 | CR | 045 | — | 077 | M | 109 | m |
| 014 | SOH | 046 | . | 078 | N | 110 | n |
| 015 | SI | 047 | / | 079 | O | 111 | o |
| 016 | DLE | 048 | 0 | 080 | P | 112 | p |
| 017 | DC1 | 049 | 1 | 081 | Q | 113 | q |
| 018 | DC2 | 050 | 2 | 082 | R | 114 | r |
| 019 | DC3 | 051 | 3 | 083 | S | 115 | s |
| 020 | DC4 | 052 | 4 | 084 | T | 116 | t |
| 021 | NAK | 053 | 5 | 085 | U | 117 | u |
| 022 | SYN | 054 | 6 | 086 | V | 118 | v |
| 023 | ETB | 055 | 7 | 087 | W | 119 | w |
| 024 | CAN | 056 | 8 | 088 | X | 120 | x |
| 025 | EM | 057 | 9 | 089 | Y | 121 | y |
| 026 | SUB | 058 | : | 090 | Z | 122 | z |
| 027 | ESC | 059 | ; | 091 | [ | 123 | { |
| 028 | FS | 060 | < | 092 | \ | 124 | \| |
| 029 | GS | 061 | = | 093 | ] | 125 | } |
| 030 | RS | 062 | > | 094 | ^ | 126 | ~ |
| 031 | US | 063 | ? | 095 | _ | 127 | DEL |

## ASCII Code extension character (CP-1252 codes)

| Decimal number | character | Decimal number | character | Decimal number | character | Decimal number | character |
|---|---|---|---|---|---|---|---|
| 128 | € | 160 | | 192 | À | 224 | à |
| 129 | | 161 | ¡ | 193 | Á | 225 | á |
| 130 | ‚ | 162 | ¢ | 194 | Â | 226 | â |
| 131 | ƒ | 163 | £ | 195 | Ã | 227 | ã |
| 132 | „ | 164 | ¤ | 196 | Ä | 228 | ä |
| 133 | … | 165 | ¥ | 197 | Å | 229 | å |
| 134 | † | 166 | ¦ | 198 | Æ | 230 | æ |
| 135 | ‡ | 167 | § | 199 | Ç | 231 | ç |
| 136 | ˆ | 168 | ¨ | 200 | È | 232 | è |
| 137 | ‰ | 169 | © | 201 | É | 233 | é |
| 138 | Š | 170 | ª | 202 | Ê | 234 | ê |
| 139 | ‹ | 171 | « | 203 | Ë | 235 | ë |
| 140 | Œ | 172 | ¬ | 204 | Ì | 236 | ì |
| 141 | | 173 | | 205 | Í | 237 | í |
| 142 | Ž | 174 | ® | 206 | Î | 238 | î |
| 143 | | 175 | ¯ | 207 | Ï | 239 | ï |
| 144 | | 176 | ° | 208 | Ð | 240 | ð |
| 145 | ‘ | 177 | ± | 209 | Ñ | 241 | ñ |
| 146 | ’ | 178 | ² | 210 | Ò | 242 | ò |
| 147 | “ | 179 | ³ | 211 | Ó | 243 | ó |
| 148 | ” | 180 | ´ | 212 | Ô | 244 | ô |
| 149 | · | 181 | µ | 213 | Õ | 245 | õ |
| 150 | – | 182 | ¶ | 214 | Ö | 246 | ö |
| 151 | — | 183 | · | 215 | × | 247 | ÷ |
| 152 | ˜ | 184 | ¸ | 216 | Ø | 248 | ø |
| 153 | ™ | 185 | ¹ | 217 | Ù | 249 | ù |
| 154 | š | 186 | º | 218 | Ú | 250 | ú |
| 155 | › | 187 | » | 219 | Û | 251 | û |
| 156 | œ | 188 | ¼ | 220 | Ü | 252 | ü |
| 157 | | 189 | ½ | 221 | Ý | 253 | ý |
| 158 | ž | 190 | ¾ | 222 | Þ | 254 | þ |
| 159 | Ÿ | 191 | ¿ | 223 | ß | 255 | ÿ |

## Bytecode value (decimal)







2


3


4


5


6


7


8


9