

# **Barcode Scanner**

## **User Manual**

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## General Settings



Factory Default

If the scanner can not work normally, Pls scan "Factory Default"



CR



Tab



LF+CR



NONE



Auto Sense Mode



Continue Scan Mode



All lowercase



All uppercase

## Buzzer Setup

Only scan "Factory Default" (on page 1) can open sound under "Volume Off" mode



High volume -Default



Medium volume



Low volume



Volume Off

## Invoice Function



ON



OFF

## Interface setup



USB KBW



USB COM



TTL 232-9600, NO, 8, 1 -Default

## Serial Port Setup



1200bps



2400bps



4800bps



9600bps



19200bps



38400bps



57600bps



115200bps



Odd



Even



None



1 Stop Bit



2 Stop Bit

# Language



American Keyboard



Germany



France



Sweden



Belgium



Finland



Russia



Turkey\_Q



Portugal



Norway



England



Denmark

|                                                                                                                    |                                                                                                      |
|--------------------------------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------------|
| <br>Spain                         | <br>Italy           |
| <br>Czech                          | <br>Japan           |
| <p align="center"><b>Output Interval of The Same Code</b><br/> In continuous mode and automatic induction mode</p> |                                                                                                      |
| <br>None                          | <br>Delay 1s        |
| <br>Delay3s                       | <br>Delay5s        |
| <br>Delay7s                     | <br>Delay forever |

## Barcode Type ON/OFF

|                                                                                                                |                                                                                                                  |
|----------------------------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------------------------|
|  <p>1D CODE(ON)</p>            |  <p>1D CODE(OFF)</p>            |
|  <p>2D CODE(ON)</p>            |  <p>2D CODE(OFF)</p>            |
|  <p>1D Reverse Code (ON)</p>   |  <p>QR Reverse Code (ON)</p>    |
|  <p>DM Reverse Code (ON)</p>   |  <p>PDF417 Reverse Code(ON)</p> |
|  <p>UPC-A(ON)</p>            |  <p>UPC-A(OFF)</p>            |
|  <p>UPC-A Check Bit (ON)</p> |  <p>UPC-A Check Bit(OFF)</p>  |
|  <p>UPC-E(ON)</p>            |  <p>UPC-E(OFF)</p>            |



|                                                                                                      |                                                                                                        |
|------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------|
|  UPC-e Check Bit(ON) |  UPC-e Check Bit(OFF) |
|  UPC-E toUPC-A(ON)   |  UPC-E to UPC-A(OFF)  |
|  UPC-A to EAN-13(ON) |  UPC-A to EAN-13(OFF) |
|  EAN-8 (ON)          |  EAN-8 (OFF)          |
|  EAN-13 (ON)        |  EAN-13 (OFF)        |
|  CODE 128 (ON)     |  CODE 128 (OFF)     |
|  GS1-128 (ON)      |  GS1-128 (OFF)      |

|                                                                                                                   |                                                                                                                    |
|-------------------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------|
|  <p>ISBT-128 (ON)</p>             |  <p>ISBT-128 (OFF)</p>            |
|  <p>Interleaved 2 of 5 (ON)</p>   |  <p>Interleaved 2 of 5 (OFF)</p>  |
|  <p>Matrix 2 of 5 (ON)</p>        |  <p>Matrix 2 of 5 (OFF)</p>       |
|  <p>CODE 39 (ON)</p>              |  <p>CODE 39 (OFF)</p>             |
|  <p>Code39 Check Bit (ON)</p>    |  <p>Code39 Check Bit (OFF)</p>   |
|  <p>Code 39 Full ASCII (ON)</p> |  <p>Code39 Full ASCII (OFF)</p> |
|  <p>CODE 32 (ON)</p>            |  <p>CODE 32 (OFF)</p>           |

|                                                                                                                |                                                                                                                  |
|----------------------------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------------------------|
|  <p>CODE 93 (ON)</p>           |  <p>CODE 93 (OFF)</p>           |
|  <p>CODE 11 (ON)</p>           |  <p>CODE 11 (OFF)</p>           |
|  <p>CODABAR (ON)</p>           |  <p>CODABAR (OFF)</p>           |
|  <p>PLESSEY (ON)</p>           |  <p>PLESSEY (OFF)</p>           |
|  <p>Industrial 2 of 5 (ON)</p> |  <p>Industrial 2 of 5 (OFF)</p> |
|  <p>MSI (ON)</p>             |  <p>MSI (OFF)</p>             |
|  <p>ITF14 (ON)</p>           |  <p>ITF14 (OFF)</p>           |

|                                                                                                                    |                                                                                                                      |
|--------------------------------------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------------------------|
|  <p>QR CODE (ON)</p>               |  <p>QR CODE (OFF)</p>               |
|  <p>Data Matrix (ON)</p>           |  <p>Data Matrix (OFF)</p>           |
|  <p>PDF417 (ON)</p>                |  <p>PDF417 (OFF)</p>                |
|  <p>Aztec code (ON)</p>            |  <p>Aztec code (OFF)</p>            |
|  <p>Maxi code (ON)</p>             |  <p>Maxi code (OFF)</p>             |
|  <p>GS1-Databar (ON)</p>         |  <p>GS1-Databar (OFF)</p>         |
|  <p>Brazilian Bank code (ON)</p> |  <p>Brazilian Bank code (OFF)</p> |

## Hide the front characters



Hide the front characters

**The first:** Scan the set-up code “ON”.

**The second step:** Scan “Hide the front characters”.

**The third step:** Scan the number setting code corresponding to the character on page 13 (each character is 3 digits).

**E.g.** The bar code content is "123456789" , if you want to hide the previous two characters, then scan "0","0","2" settings code on page 13, then two front characters will be hidden when scanning this bar code,"3456789" will be shown.

## Hide the behind characters



Hide the behind characters

**The first:** Scan the set-up code “**ON**”.

**The second step:** Scan “**Hide the behind characters**”.

**The third step:** Scan the number setting code corresponding to the character on page 13 (each character is 3 digits).

**E.g.** The bar code content is "123456789" , If you want to hide the last two characters, then scan "0" and "0" and "2" settings code on page 13, then the last two characters will be hidden when scanning this bar code, "1234567" will be shown.

| Add Prefix/Suffix                                                                                  |                                                                                                     |
|----------------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------|
| <br>Add Prefix    | <br>Add Suffix     |
| <br>Finish Setting | <br>Output Setting |

**The first:** Scan the set-up code “**Add Suffix**” .

**The second step:** Scan the required character code. Refer to Appendix 1 and Appendix 2.

**The third step:** Scan “**Finish Setting**”.

**The fourth step:** Scan “**Output Setting**”.

**E.g.** The bar code content is "123456789", If you want to add B and 1 behind the bar code, scan "1", "0", "6", "6", "1", "0", "4", "9" in Appendix1 on page 13( In Appendix 2,B is 1066; In Appendix 2,1 is 1049), "123456789B1" will be shown.

For details, **Appendix 1** and **Appendix 2**

## Appendix 1: Numbered bar code



0



1



2



3



4



5



6



7



8



9

## Appendix 2: Character comparison table

| Scan Value | HEX Value | Keyboard Function Key | Keyboard Ctrl Combination |
|------------|-----------|-----------------------|---------------------------|
| 1000       | 00h       | Null                  | CTRL 2                    |
| 1001       | 01h       | Keypad Enter          | CTRL A                    |
| 1002       | 02h       | Caps lock             | CTRL B                    |
| 1003       | 03h       | Right Arrow           | CTRL C                    |
| 1004       | 04h       | Up Arrow              | CTRL D                    |
| 1005       | 05h       | Null                  | CTRL E                    |
| 1006       | 06h       | Null                  | CTRL F                    |
| 1007       | 07h       | Enter                 | CTRL G                    |
| 1008       | 08h       | Left Arrow            | CTRL H                    |
| 1009       | 09h       | Horizontal Tab        | CTRL I                    |
| 1010       | 0Ah       | Down Arrow            | CTRL J                    |
| 1011       | 0Bh       | Vertical Tab          | CTRL K                    |
| 1012       | 0Ch       | Backspace             | CTRL L                    |
| 1013       | 0Dh       | Enter                 | CTRL M                    |
| 1014       | 0Eh       | Insert                | CTRL N                    |
| 1015       | 0Fh       | Esc                   | CTRL O                    |
| 1016       | 10h       | F11                   | CTRL P                    |
| 1017       | 11h       | Home                  | CTRL Q                    |
| 1018       | 12h       | Print Screen          | CTRL R                    |
| 1019       | 13h       | Delete                | CTRL S                    |
| 1020       | 14h       | tab+shift             | CTRL T                    |
| 1021       | 15h       | F12                   | CTRL U                    |
| 1022       | 16h       | F1                    | CTRL V                    |
| 1023       | 17h       | F2                    | CTRL W                    |
| 1024       | 18h       | F3                    | CTRL X                    |
| 1025       | 19h       | F4                    | CTRL Y                    |
| 1026       | 1Ah       | F5                    | CTRL Z                    |
| 1027       | 1Bh       | F6                    | CTRL [                    |
| 1028       | 1Ch       | F7                    | CTRL \                    |
| 1029       | 1Dh       | F8                    | CTRL ]                    |
| 1030       | 1Eh       | F9                    | CTRL 6                    |
| 1031       | 1Fh       | F10                   | CTRL -                    |
| 1032       | 20h       | Space                 | Space                     |
| 1033       | 21h       | /A                    | !                         |
| 1034       | 22h       | /B                    | '                         |
| 1035       | 23h       | /C                    | #                         |
| 1036       | 24h       | /D                    | \$                        |
| 1037       | 25h       | /E                    | %                         |
| 1038       | 26h       | /F                    | &                         |
| 1039       | 27h       | /G                    | '                         |
| 1040       | 28h       | /H                    | (                         |



|      |     |    |   |
|------|-----|----|---|
| 1041 | 29h | /I | ) |
| 1042 | 2Ah | /J | * |
| 1043 | 2Bh | /K | + |
| 1044 | 2Ch | /L | , |
| 1045 | 2Dh | -  | - |
| 1046 | 2Eh | .  | . |
| 1047 | 2Fh | /  | / |
| 1048 | 30h | 0  | 0 |
| 1049 | 31h | 1  | 1 |
| 1050 | 32h | 2  | 2 |
| 1051 | 33h | 3  | 3 |
| 1052 | 34h | 4  | 4 |
| 1053 | 35h | 5  | 5 |
| 1054 | 36h | 6  | 6 |
| 1055 | 37h | 7  | 7 |
| 1056 | 38h | 8  | 8 |
| 1057 | 39h | 9  | 9 |
| 1058 | 3Ah | /Z | : |
| 1059 | 3Bh | %F | ; |
| 1060 | 3Ch | %G | < |
| 1061 | 3Dh | %H | = |
| 1062 | 3Eh | %I | > |
| 1063 | 3Fh | %J | ? |
| 1064 | 40h | %V | @ |
| 1065 | 41h | A  | A |
| 1066 | 42h | B  | B |
| 1067 | 43h | C  | C |
| 1068 | 44h | D  | D |
| 1069 | 45h | E  | E |
| 1070 | 46h | F  | F |
| 1071 | 47h | G  | G |
| 1072 | 48h | H  | H |
| 1073 | 49h | I  | I |
| 1074 | 4Ah | J  | J |
| 1075 | 4Bh | K  | K |
| 1076 | 4Ch | L  | L |
| 1077 | 4Dh | M  | M |
| 1078 | 4Eh | N  | N |
| 1079 | 4Fh | O  | O |
| 1080 | 50h | P  | P |
| 1081 | 51h | Q  | Q |
| 1082 | 52h | R  | R |
| 1083 | 53h | S  | S |
| 1084 | 54h | T  | T |

|      |     |    |           |
|------|-----|----|-----------|
| 1085 | 55h | U  | U         |
| 1086 | 56h | V  | V         |
| 1087 | 57h | W  | W         |
| 1088 | 58h | X  | X         |
| 1089 | 59h | Y  | Y         |
| 1090 | 5Ah | Z  | Z         |
| 1091 | 5Bh | %K | [         |
| 1092 | 5Ch | %L | \         |
| 1093 | 5Dh | %M | ]         |
| 1094 | 5Eh | %N | ^         |
| 1095 | 5Fh | %O | _         |
| 1096 | 60h | %W | '         |
| 1097 | 61h | +A | a         |
| 1098 | 62h | +B | b         |
| 1099 | 63h | +C | c         |
| 1100 | 64h | +D | d         |
| 1101 | 65h | +E | e         |
| 1102 | 66h | +F | f         |
| 1103 | 67h | +G | g         |
| 1104 | 68h | +H | h         |
| 1105 | 69h | +I | i         |
| 1106 | 6Ah | +J | j         |
| 1107 | 6Bh | +K | k         |
| 1108 | 6Ch | +L | l         |
| 1109 | 6Dh | +M | m         |
| 1110 | 6Eh | +N | n         |
| 1111 | 6Fh | +O | o         |
| 1112 | 70h | +P | p         |
| 1113 | 71h | +Q | q         |
| 1114 | 72h | +R | r         |
| 1115 | 73h | +S | s         |
| 1116 | 74h | +T | t         |
| 1117 | 75h | +U | u         |
| 1118 | 76h | +V | v         |
| 1119 | 77h | +W | w         |
| 1120 | 78h | +X | x         |
| 1121 | 79h | +Y | y         |
| 1122 | 7Ah | +Z | z         |
| 1123 | 7Bh | %P | {         |
| 1124 | 7Ch | %Q |           |
| 1125 | 7Dh | %R | }         |
| 1126 | 7Eh | %S | ~         |
| 1127 | 7Fh |    | Undefined |