

Portable 2D Barcode Scanner Full Manual

V4.5

Content

Version No	4
Factory Default Setting	4
Output Mode	4
Data Transfer Mode	4
Communication Mode	5
USB interface type	6
USB-HID Data type	6
Inventory Mode	7
Sound Set	7
Sleep Time Set	8
GS (group separator) characters conversion	9
Letter case conversion	10
Language Set	11
Scan Mode	14
Repeat Barcode Detection(Auto Sense)	15
Code ID	16
Inverse color barcode selection	16
Barcode Type Selection	17
Enable/Disable All barcodes	17
Enable/Disable All 1D barcodes	17
Enable/Disable All 2D barcodes	18
UPC-A	18
UPC-E	21
EAN-8	24
EAN-13	26
EAN13 Convert to ISBN	28
EAN13 Convert to ISSN	28
Code 128	29
Code 39	29
Code 32	31
Code 93	32
Codabar	32
Interleaved 2 of 5	34
Matrix 2 of 5	36
Industrial 2 of 5	37
Standard 2 of 5(IATA)	38
Code 11	39
MSI Plessey	39
QR Code	39
Micro QR Code	40
Data Matrix	40
PDF 417	41
2.4G Pairing	41
Bluetooth HID Pairing	42

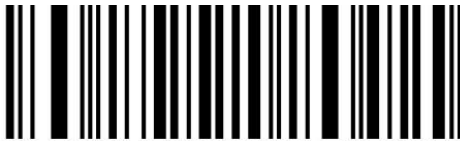
Show or Hide the Keyboard in IOS	42
Bluetooth HID Transfer Rate	42
Data Editor	43
Suffix Terminator character Setting	43
Hidden character Settings	44
Add prefix and suffix Settings	45
Hiding front character shortcut setting	47
Hiding back character shortcut setting	48
Data Code Table	49
ASCII Code Table	50

Version No.



Version Number

Factory Default Setting



Restore Factory Default

Note: the asterisk(*) is the factory default.

Output Mode



USB priority output(*)

Note: When inserting USB cable, data only output by USB.



Output at the same time

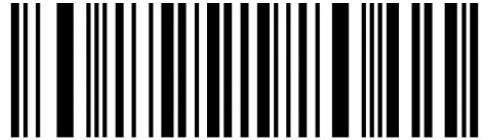
Note: USB and 2.4G or Bluetooth output at the same time (depending on the communication mode), in which 2.4g or Bluetooth output is unsuccessful, alarm will be given.

Data Transfer Mode



Immediate Mode

Note: The scanned data will be uploaded immediately, and the data will not be saved if the transmission fails.



Inventory Mode

Note: The scanned barcodes will be saved automatically, please scan setting codes if you need to view statistical data or upload data.



Automatic storage mode

Note: When the distance is beyond, the data will be saved automatically. please scan setting code 'upload all data' when you need to uploaded the saved data.

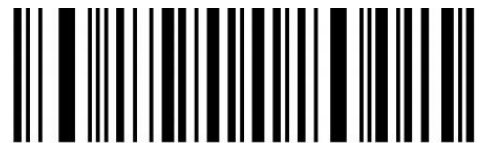
Communication Mode



2.4G Mode(*)

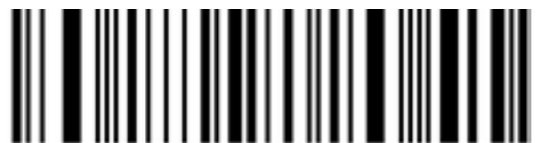


2.4G Pairing

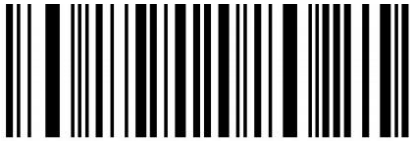


Bluetooth HID Mode

Note: Please scan 'Bluetooth HID pairing' setting code if you need to pair the scanner with a new device.

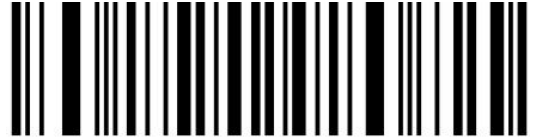


Bluetooth HID pairing



Bluetooth BLE Mode

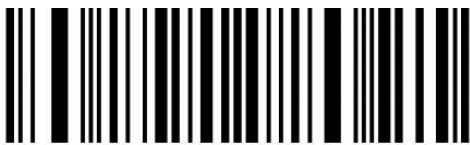
Please download or develop low-power Bluetooth BLE transmission software if you need to use this function.



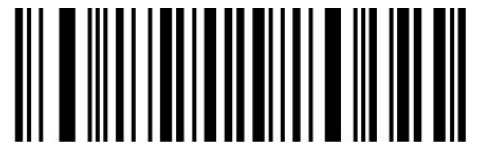
Bluetooth SPP Mode

Please download or develop low-power Bluetooth SPP transmission software if you need to use this function.

USB interface type



USB-HID(*)



USB-VCOM

USB-HID Data type



Transfer keyboard function keys



Send ASCII

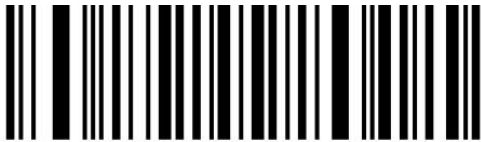


Keyboard+ASCII Mode 1



> 0x1F Send ASCII Mode 2

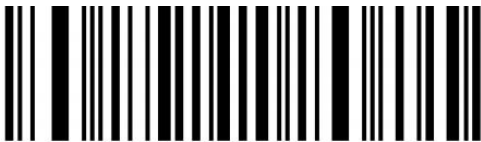
Inventory Mode



Clear All Saved Data



Statistical Information



Upload All Data

Sound Set



Mute



High(*)

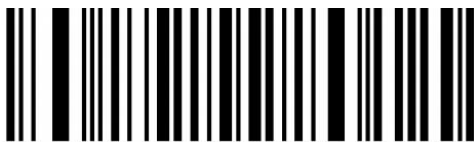


Medium



Low

Sleep Time Set



No Sleep



Sleep Now



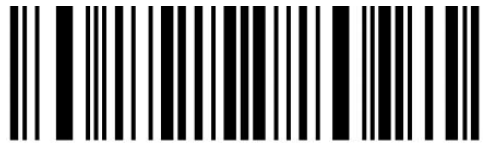
10S



30S



1Min(*)



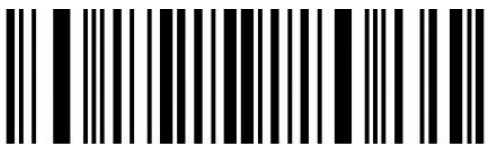
2Min



5Min



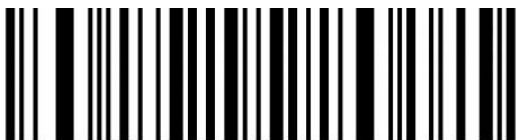
10Min



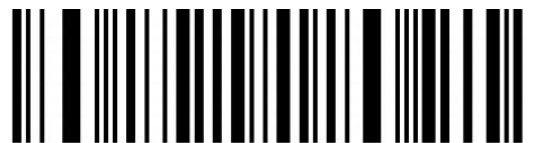
30Min

Note: Keep pressing the button until you hear the first beep for about 8 seconds, release the button and the scanner will enter sleep.

GS (group separator) characters conversion



None(*)



GS converts to <GS>



GS converts to |



GS converts to]



GS converts to ^]

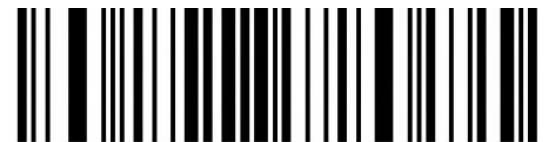


GS converts to F8

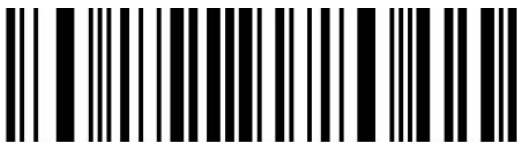
Letter case conversion



Normal Letter Case(*)



All Uppercase



All Lowercase



Case Inversion

Language Set



USA(*)



German



France



Italy



Canadian



Spain



Brazil



Sweden



Portugal



Belgium



TurkeyF



TurkeyQ



Italian14



Netherlands



Poland



Finland



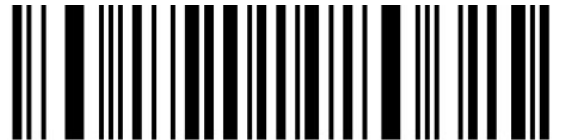
Latin America



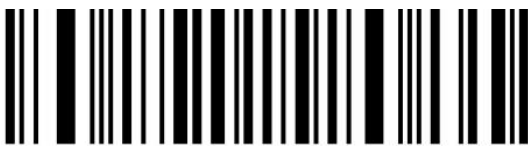
Serbia



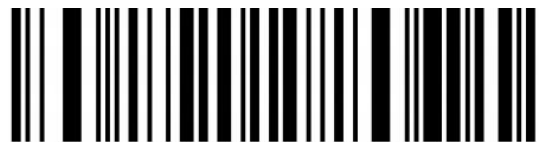
Hungary



Denmark



Norway



Japan



KORI-8 Convert to Russian



UTF-8 Convert to Turkey



UTF-8 Convert to Czech



Czech

Scan Mode



Auto Sense Mode



Manual Mode

Repeat Barcode Detection(Auto Sense)

Use for decode same barcode of interval time, it will decode only one time if not exceeded set time.



0ms



1000ms



1500ms*



3000ms



5000ms

Code ID

Output Options



Off (Default)



On

Inverse color barcode selection



Enable



Disable*

Barcode Type Selection

Enable/Disable All barcodes



Enable All



Disable All

Enable/Disable All 1D barcodes



Enable All



Disable All

Enable/Disable All 2D barcodes



Enable All



Disable All

UPC-A



Enable*



Disable

UPC-A Check Bit



Send UPC-A Check Bit (Default)



Disable UPC-A Check Bit

UPC-A System Bit

The first character of UPC-A is system bit, it has a fixed value '0'.



Send System Bit*



Disable System Bit

UPC-A 2/5 Additional Bits



Enable 2 Additional Bits



Disable 2 Additional Bits*



Enable 5 Additional Bits

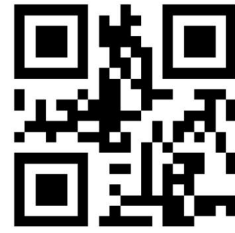


Disable 5 Additional Bits*

UPC-A Convert to EAN-13



Enable UPC-A convert to EAN-13



Disable UPC-A convert to EAN-13*

UPC-E

Enable/Disable UPC-E0



Enable*



Disable

UPC-E0 Check Bit



Send UPC-E0 Check Bit*



Disable UPC-E0 Check bit

UPC-E0 System Bit



Send System Bit*



Disable System Bit

Enable/Disable UPC-E1



Enable*



Disable

UPC-E1 Check Bit



Send UPC-E0 Check Bit*



Disable UPC-E0 Check bit

UPC-E1 System Bit



Send System Bit*



Disable System Bit

2/5 Additional Bits



Enable 2 Additional Bits



Disable 2 Additional Bits*



Enable 5 Additional Bits



Disable 5 Additional Bits*

EAN-8



Enable*



Disable

EAN-8 Check Bit



Send EAN-8 Check Bit*



Disable EAN-8 Check bit

2/5 Additional Bits



Enable 2 Additional Bits



Disable 2 Additional Bits*



Enable 5 Additional Bits



Disable 5 Additional Bits*

EAN-13



Enable*



Disable

EAN-13 Check Bit



Send EAN-13 Check Bit*



Disable EAN-13 Check bit

2/5 Additional Bits



Enable 2 Additional Bits



Disable 2 Additional Bits*



Enable 5 Additional Bits



Disable 5 Additional Bits*

EAN13 Convert to ISBN



Enable



Disable*

EAN13 Convert to ISSN



Enable



Disable*

Code 128



Enable*



Disable

Code 39



Enable*



Disable

Code 39 Parity Check



Disable*



Enable But Not Transfer



Enable & Transfer

Code 39 Start and End Bits



Send Start and End Bits



Disable Start and End Bits*

Full ASCII Reading Range



Read All ASCII Bits



Disable All ASCII Bits*

Code 32



Enable*



Disable

Code 93



Enable*



Disable

Codabar



Enable*



Disable

Codabar Check Bit



Disable*



Mode 10 Enable & Transfer



Mode 10 Enable & Not Transfer



Mode 16 Enable & Transfer



Mode 16 Enable & Not Transfer

Codabar Start and End Bits



Disable Start and End Bits*



Start/End ABCD/ABCD*



Start/End ABCD/TN*E



Start/End abcd/abcd



Start/End abcd/tn*e

Interleaved 2 of 5



Enable*



Disable

Interleaved 2 of 5 Check Bit



Disable*



USS Enable & Transfer



USS Enable & Not Transfer

Matrix 2 of 5



Enable



Disable*

Matrix 2 of 5 Check Bit



Disable*



Enable & Transfer



Enable & Not Transfer

Industrial 2 of 5



Enable



Disable*

Industrial 2 of 5 Check Bit



Disable*



Enable & Transfer



Enable & Not Transfer

Standard 2 of 5(IATA)



Enable



Disable*

Standard 2 of 5 Check Bit



Disable*



Enable & Transfer



Enable & Not Transfer

Code 11



Enable



Disable*

MSI Plessey



Enable



Disable*

QR Code



Enable*



Disable

Micro QR Code



Enable*



Disable

Data Matrix



Enable*



Disable

PDF 417



Enable*



Disable

2.4G Pairing



2.4G Pairing

Bluetooth HID Pairing



Bluetooth HID Pairing

Show or Hide the Keyboard in IOS



Show or hide the virtual keyboard under IOS system

Bluetooth HID Transfer Rate



Fast



Medium(*)



Low



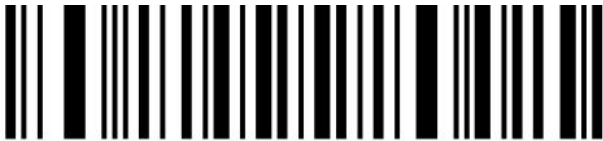
Ultra-low speed



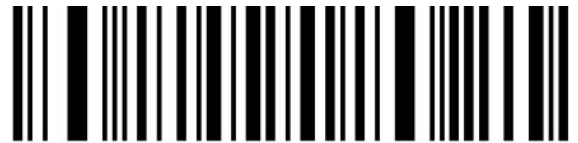
Ultra-fast speed

Data Editor

Suffix Terminator character Setting



Suffix-None



Suffix-Enter(*)



Suffix-Line



Suffix-Tab

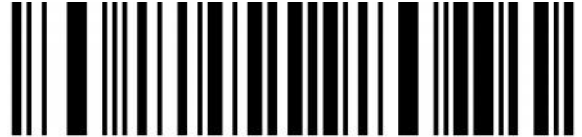


Suffix-Enter&Line

Hidden character Settings



Hide front character



Hide back character

Hide front character

Steps:

- (1) Scan the setting code "Hide front character"
- (2) Set the first few digits of the sequence to hide, and use two data codes to represent the decimal number XX
- (3) Set how many digits (including their own data) are hidden from the first few digits in the sequence, using two digits

Data code represents decimal number YY

- (4) Finally scan the setting code "Saved and Finished Set".

XX represents the number of digits from the top, that is, it is hidden from the number of characters in the top (including itself);

YY represents how many digits are hidden, that is, how many digits are hidden in the future

For example: the barcode content is: "ABCDEFGH IJKLMN", hide these characters DEFGH, Make the output bar code "ABCD IJKLMN".

- (1) Scan the setting code "Hide front character"
- (2) The position of the character 'E' is the 4th bit, so "XX" is '0', '4',
Look up the data code table and scan the data code table '0' and '4' in turn;
- (3) Hidden "DEFGH" means a total of 5 characters, so "YY" is '0', '5',
Look up the data code table and scan the data code table '0' and '5' in turn;
- (4) Finally, scan the setting code "Saved and Finished Set".

Remarks: Only operate (1) and (4), then you can clear the character settings before hiding or restore the factory.

Hide back character

Steps:

- (1) Scan the setting code "Hide back character"
- (2) Set the last few digits of the countdown to be hidden (including its own data), represented by two data codes

Decimal number XX

(3) Set the number of digits to be hidden forward from the penultimate digit, and use two data codes to represent decimal

System number YY

(4) Finally scan the setting code "Saved and Finished Set".

XX represents the penultimate digit, that is, hidden from the penultimate character (including itself);

YY represents how many digits are hidden, that is, how many digits are hidden forward

For example: the barcode content is: "ABCDEFGHijklmn", hide these characters DEFGH,

Make the output bar code "ABCDijklmn".

(1) Scan the setting code "Hide front character"

(2) The position of the character 'H' is the 7th bit, so "XX" is '0', '7',

Look up the data code table and scan the data code table '0' and '7' in turn;

(3) Hidden "DEFGH" means a total of 5 characters, so "YY" is '0', '5',

Look up the data code table and scan the data code table '0' and '5' in turn;

(4) Finally, scan the setting code "Saved and Finished Set".

Remarks: Only operate (1) and (4), the character setting after clearing hidden or restoring to factory can also be cleared.

Add prefix and suffix Settings



Add Prefix setting



Add Suffix Setting



Saved and Finished Set

Add Prefix Setting

Steps:

(1) Scan the setting code "Add Prefix setting"

(2) Set the first few digits of the sequence to start inserting characters (including its own data), use two-digit "data code"

Represents the decimal number XX (the first setting can be omitted, which is equivalent to

setting "0", "1"),

Please check the corresponding data code table

(3) Scan the content that needs to be added in turn, please find the ASCII code table

(4) Finally scan the setting code "Saved and Finished Set".

For example: the original barcode content is "ABCDEFGHJKLMN";

The content after adding the prefix is ""ABCDE12345FGHJKLMN"".

1. Scan the setting code "Add prefix"

2. In the original barcode, the prefix "12345" is added before the character 'F', while the original
The position of the code content 'F' is the 6th character, so the data code "XX" is "0",

"6", search the data code table, and scan the barcode corresponding to the data code in turn.

3. The content added in the original bar code is "12345", a total of 5 characters. Find ASCII
Code table, characters "1", "2", "3", "4", "5", corresponding to ASCII code in turn

"31", "32", "33", "34", "35", and scan the corresponding barcode in turn

4. Finally scan the setting code "Saved and Finished Set".

Remarks: Only operate (1) and (4), you can also clear the content of adding prefix for clearing or
restoring factory.

Add Suffix Setting

Steps:

(1) Scan the setting code "Add Suffix Setting"

(2) Set the penultimate digit to start inserting characters (including its own data), use two-digit
"data code"

Represents the decimal number XX (the last can be omitted to set the same as "0", "1"),

Please check the corresponding data code table

(3) For the content that needs to be added for one scan, please find the ASCII code table

(4) Finally scan the setting code "Saved and Finished Set".

For example: the original barcode content is "ABCDEFGHJKLMN";

The content after adding the prefix is ""ABCDE12345FGHJKLMN"".

1. Scan the setting code "Add Suffix Setting"

2. In the original bar code, the suffix "12345" is added after the character 'E', while the original
bar code

The position of the code content 'E' is the 10th last character, so the data code "XX"

For "1", "0", look up the data code table, and scan the barcode corresponding to the data code in
turn.

3. The content added in the original bar code is "12345", a total of 5 characters. Find ASCII
Code table, characters "1", "2", "3", "4", "5", corresponding to ASCII code in turn

"31", "32", "33", "34", "35", and scan the corresponding barcode in turn

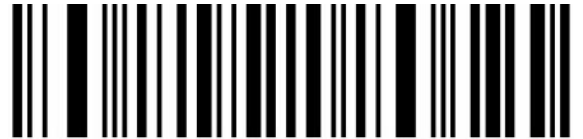
4. Finally scan the setting code "Saved and Finished Set".

Remarks: Only operate (1) and (4), you can also clear the contents of adding suffixes or restoring
the factory.

Hiding front character shortcut setting



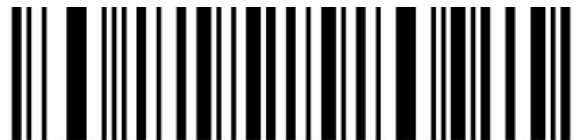
Hide the first 1 bit



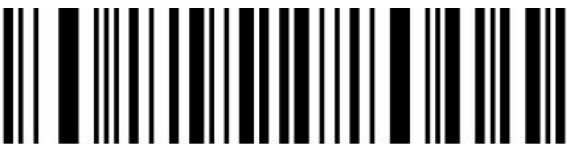
Hide the first 2 bits



Hide the first 3 bits



Hide the first 4 bits



Hide the first 5 bits



Hide the first 6 bits



Hide the first 7 bits

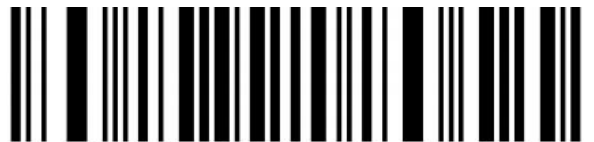


Hide the first 8 bits

Hiding back character shortcut setting



Hide the back 1 bit



Hide the back 2 bits



Hide the back 3 bits



Hide the back 4 bits



Hide the back 5 bits



Hide the back 6 bits



Hide the back 7 bits



Hide the back 8 bits

Data Code Table



0



1



2



3



4



5



6



7



8



9

ASCII Code Table



Null



SOH(start of headline)



STX (start of text)



ETX



EOT



ENQ
50



ACK



BEL



BS



HT



LF



VT



FF



CR



SO



SI



DLE



DC1



DC2



DC3



DC4



NAK



SYN



ETB



CAN



EM



SUB



ESC



FS



GS



RS



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Caps Lock



F1



F2



F3



F4



F5



F6



F7



F8



F9



F10



F11



F12



PrintScreen



Scroll Lock



Pause



Insert



Home



PageUp



Delete



PageDown



End



RightArrow



LeftArrow



DownArrow



UpArrow



Num Lock(keypad)



/(keypad)



*(keypad)



-(keypad)



+(keypad)



Enter(keypad)



1(keypad)



2(keypad)



3(keypad)



4(keypad)



5(keypad)



6(keypad)



7(keypad)



8(keypad)



9(keypad)



0(keypad)



.(keypad)

Add Ctrl、 Shift、 Alt、 GUI function key

Note: When there is a press, there must be a release. Press and release must be used in pairs
Otherwise, there will be hot key issues such as data not uploading and computer lock screen



L-Ctrl Press



L-Shift Press



L-Alt Press



M-GUI Press



R-Ctrl Press



R-Shift Press



R-Alt Press



R-GUI Press



L-Ctrl Release



L-Shift Release



L-Alt Release



L-GUI Release



R-Ctrl Release



R-Shift Release



R-Alt Release



R-GUI Release