

Wireless 2D Barcode Scanner Full Manual

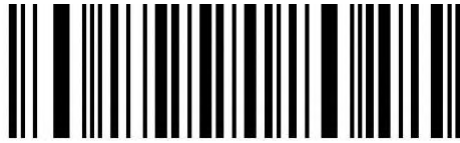
V4.5

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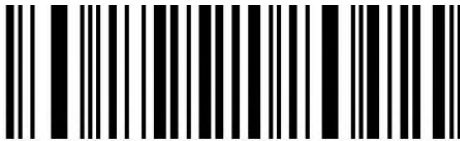
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Version No.



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

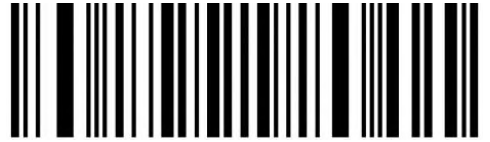
Note: USB, 2.4G or Bluetooth output at the same time(depending on the communication mode), Scanner will make an error sound if transfer is failed in whichever mode.

Data Transfer Mode



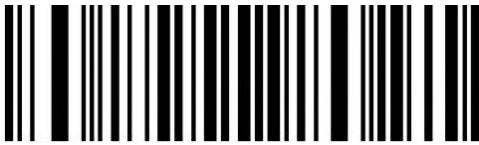
Immediate Mode

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



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: If the scanner is out of connection distance, the data will be saved automatically. please scan setting code 'upload all data' when you need to upload the saved data.

Communication Mode



2.4G Mode(*)

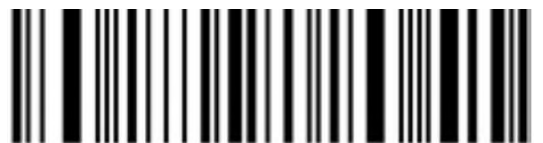


2.4G Pairing



Bluetooth HID Mode

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

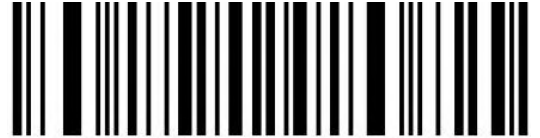


Bluetooth HID pairing



Bluetooth BLE Mode

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



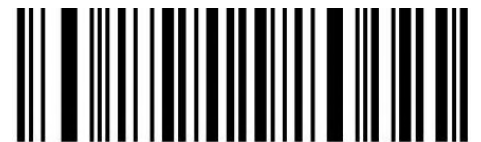
Bluetooth SPP Mode

Please download or develop low-power Bluetooth SPP transfer 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

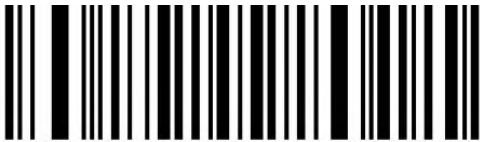


Keyboard+ASCII Mode 1



> 0x1F Send ASCII Mode 2

Inventory Mode



Clear All Saved Data



Statistical Information



Upload All Data

Scanner Sound Set



Mute



High(*)



Medium



Low

Base Sound Set

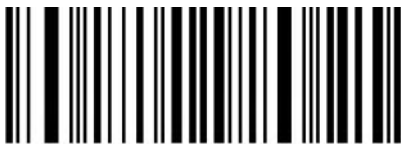


Mute Base

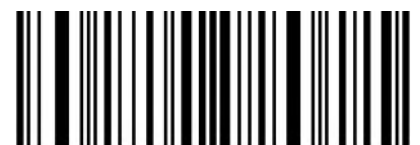


Enable Base Voice

Base LED Light Set



Enable(*)



Disable

Sleep Time Set



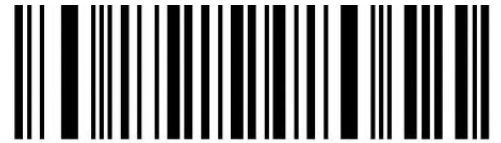
No Sleep



Sleep Now



10S



30S



1Min(*)



2Min



5Min



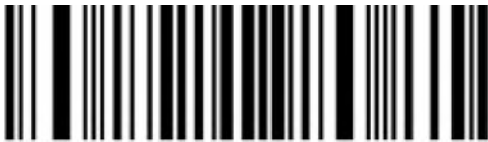
10Min



30Min

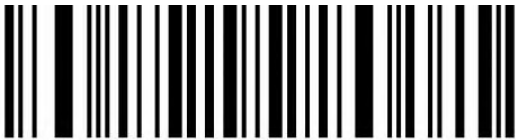
Note: Keep pressing the button until you hear the first beep for about 8 seconds, release the button and the scanner will enter sleep.

Display Battery Status



Battery Indicator

GS (group separator) characters conversion



None(*)



GS converts to <GS>



GS converts to |



GS converts to]



GS converts to ^]

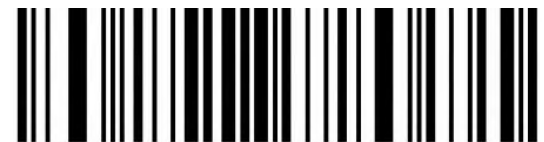


GS converts to F8

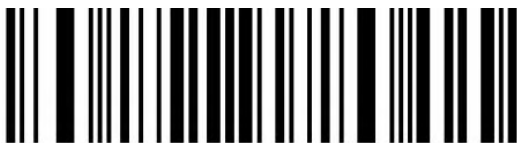
Letter case conversion



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



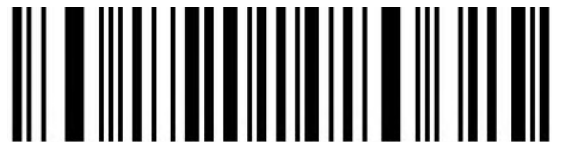
Latin America



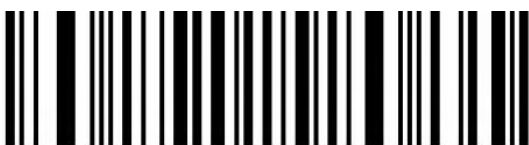
Serbia



Hungary



Denmark



Norway



Japan



KORI-8 Convert to Russian



UTF-8 Convert to Turkey



UTF-8 Convert to Czech



Czech

Code ID

Output Options



Disable(Default)



Enable Code ID In Front Of Barcode



Enable Code ID Behind Of Barcode

Edit



Set Custom Code ID

(Please refer to appendix ID type table, data and edit barcode)



Clear All Custom Code ID

AIM ID



Disable(Default)



Enable AIM ID In Front Of Barcode



Enable AIM ID Behind Of Barcode

Prefix And Suffix Order Setting

Prefix



Start Character+CODE ID+AIM ID+Custom Prefix (Default)



Start Character+Custom Prefix+CODE ID+AIM ID

Suffix



Custom Suffix+CODE ID+AIM ID+Terminal Character (Default)



CODE ID+AIM ID+Custom Suffix+Terminal Character

Inverse Color Barcode Setting

(Only 1D/DataMatrix/Aztec)



Normal Color



Inverse Color



Both (Normal/Inverse)

Non-standard Barcode Option

When non-standard barcode decoding enabled, scanner can be better compatible with some non-standard barcodes, but the probability of reading errors will increase.



Disable(Default)



Enable

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

Codabar



Enable



Disable

Codabar Start/End Character Transfer



Disable(Default)



Enable

Set Length Range For Codabar



Minimum Length(0~50bits)



Maximum Length(0~50bits)

Code 39



Enable



Disable

Code 39 Check Bit



Disable(Default)



Enable But Not Transfer



Enable & Transfer

Code 39 Full ASCII



Enable



Disable(Default)

Code39 Start/End Character Transfer



Enable



Disable(Default)

Set Length Range For Code 39



Minimum Length(0~50bits)



Maximum(0~50bits)

Code 32(Enable Code39 First)



Enable



Disable

Code 32 Prefix



Enable



Disable

Interleaved 2 of 5 (ITF25)



Enable



Disable

Interleaved 2 of 5 (ITF25) Check Bit



Disable(Default)



Enable But Not Transfer



Enable & Transfer

Interleaved 2 of 5 (ITF25) Length Setting



Random Length(6-50bits) (Default)



6 Bits



8 Bits



10 Bits



12 Bits



14 Bits



16 Bits



18 Bits



20 Bits



22 Bits



24 Bits

Set Length Range for Interleaved 2 of 5



Minimum(0~50bits)



Maximum(0~50bits)

Industrial 2 of 5



Enable



Disable

Set Length Range for Industrial 2 of 5



Minimum(0~50bits)



Maximum(0~50bits)

Matrix 2 of 5 (4-24bits)



Enable



Disable

Set Length Range for Matrix 2 of 5



Minimum(0~50bits)



Maximum(0~50bits)

Code 93



Enable



Disable

Set Length Range for Code 93



Minimum(0~50bits)



Maximum(0~50bits)

Code 11



Enable



Disable(Default)

Code 11 Check Bit Output



Enable



Disable(Default)

Code 11 Check Bit Setting



Disable(Default)



1 Bit



2 Bits

Set Length Range for Code 11



Minimum(0~50bits)



Maximum(0~50bits)

Code 128



Enable



Disable

Code 128 Leading 0 Ignore



Disable



Enable

GS1-128



Enable



Disable

ISBT



Enable



Disable

Set Length Range for Code 128



Minimum (0~50bits)



Maximum (0~50bits)

UPC-A



Enable



Disable

UPC-A Check Bit Output



Enable(Default)



Disable

UPC-A Leading Characters



UPC-A convert to EAN-13(Output Country Code+System Characters)



Output System Characters(Default)



Disable

UPC-E



Enable(Default)



Disable

UPC-E Check Bit Output



Enable(Default)



Disable

UPC-E Expand to UPC-A



Enable



Disable (Default)

UPC-E Leading Characters



Output Country Code+System Characters



Output System Characters(Default)



Disable

EAN/JAN-8



Enable



Disable

EAN-8 Convert to EAN-13



Disable(Default)



Enable

EAN-8 Check Bit Output



Enable(Default)



Disable

EAN/JAN-13



Enable



Disable

EAN 13 Check Bit Output



Enable(Default)



Disable

UPC/EAN/JAN Additional Code



Disable(Default)



Enable



Self-adaption

EAN13 Convert to ISBN



Enable



Disable(Default)

EAN13 Convert to ISSN



Enable



Disable(Default)

GS1 DataBar (RSS14)



Enable(Default)



Disable

GS1 DataBar Limited



Enable(Default)



Disable

GS1 DataBar Expanded



Enable(Default)



Disable

PDF417



Enable(Default)



Disable

Micro PDF417



Enable(Default)



Disable

QR Code



Enable(Default)



Disable

QR Code URL Link



Disable



Enable(Default)

Micro QR



Enable(Default)



Disable

Data Matrix



Enable(Default)



Disable

Aztec Code



Enable(Default)



Disable

Hanxin Code



Enable



Disable(Default)

Scan Mode

Auto Sense Mode off



Off (Default)

Auto Sense Mode on



On

Repeat Barcode Detection

Setting for the interval time of decoding the same barcode, scanner will only decode the same barcode one time if not exceeding the set time.



500ms



750ms (Default)



1s



2s

Center Mode

Scanner only reads the barcode in the center area of the scan window if enabling center mode.



Enable



Disable(Default)

LED Indicator Light

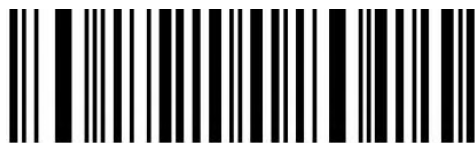


Off



On (Default)

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



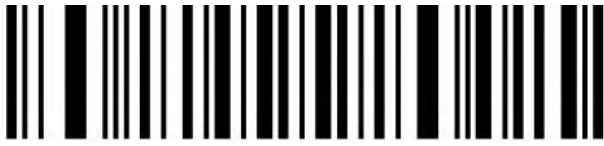
Ultra-low speed



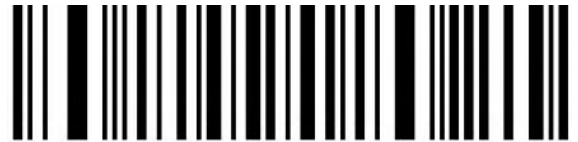
Ultra-fast speed

Data Editor

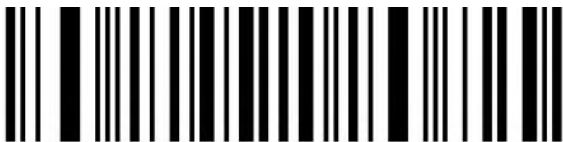
Suffix Terminator character Setting



Suffix-None



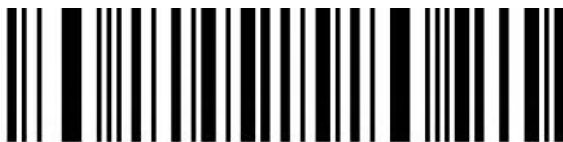
Suffix-Enter(*)



Suffix-Line



Suffix-Tab



Suffix-Enter&Line

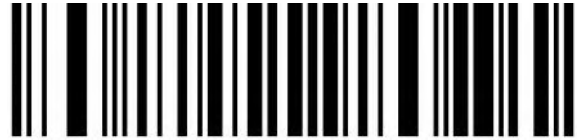


Replace 0x0A to 0x0D

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: "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 '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: "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 '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;

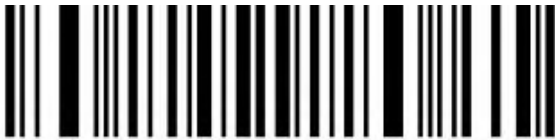
(3) Hidden "DEFGH" means a total of 5 characters, so "YY" is '0', '5',

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

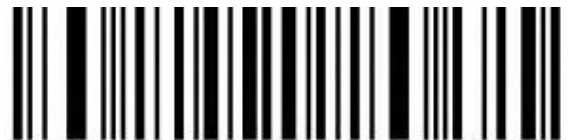
(4) Finally, scan the setting code "Saved and Finished Set".

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

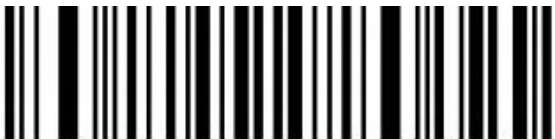
Add prefix and suffix Settings



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 "ABCDEFGH IJKLMN";

The content after adding the prefix is ""ABCDE12345FGH IJKLMN"".

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

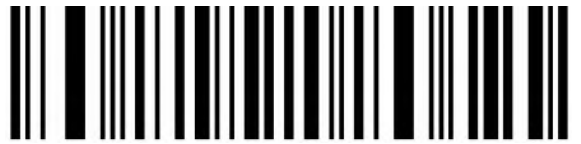
4. Finally scan the setting code "Saved and Finished Set".

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



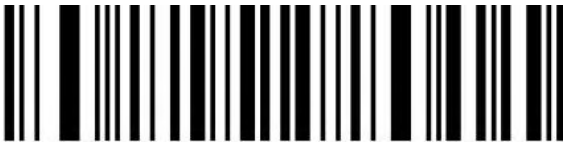
Hide the first 2 bits



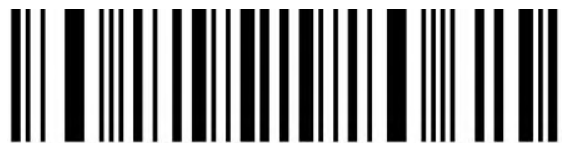
Hide the first 3 bits



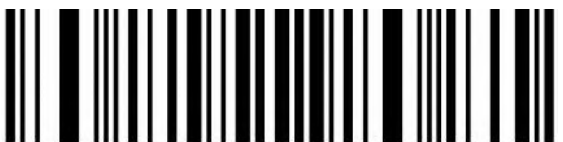
Hide the first 4 bits



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



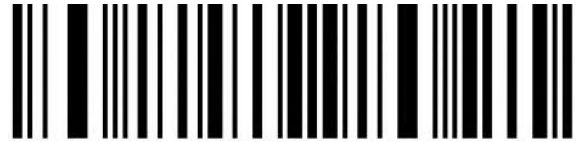
4



5



6



7



8



9

ASCII Code Table



Null



SOH(start of headline)



STX (start of text)



ETX



EOT



ENQ



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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v



w



x



y



z



{



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}



~



DEL



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



L-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