NEXA ZED-2651/2951
Wireless 2D Barcode Scanner
Full Manual

V4.5

Content

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.

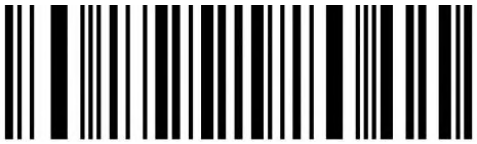
Output at the same time

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

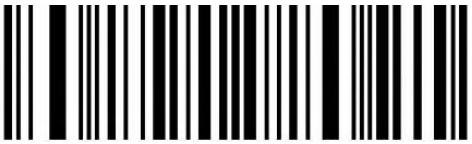
Bluetooth BLE Mode

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

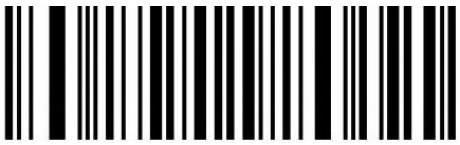
Bluetooth SPP Mode

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(*)

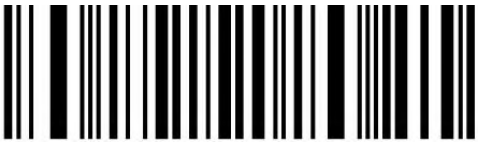
Medium

Low

Sleep Time Set

No Sleep

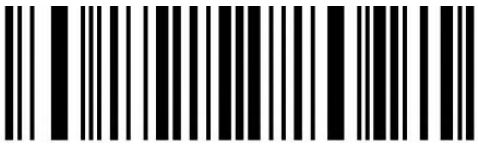
Sleep Now



10S

30S

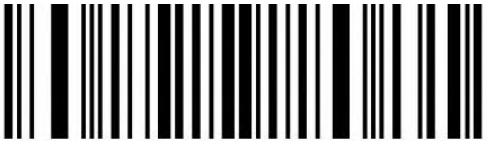
1Min(*)



2Min

5Min

10Min

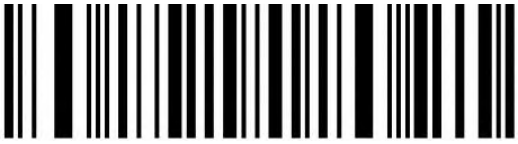


30Min

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

Code ID

Output Options

Off (Default)

Before Switch on

After Switch On

AIM ID

Off (Default)

Before Switch On

After Switch On

Inverse color barcode selection

(Only 1D/DataMatrix/Aztec)

Normal Color

Inverse Color

Both (Normal/Inverse)

Barcode Type Selection

Enable/Disable All barcodes

Enable all barcodes will low down decoding speed. So, we suggest you switch on scanner when needed. (Default is switch on state)

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/Terminal Character

Not Send Codabar Start/Terminal Character (Default)

Send Codabar Start/Terminal Character

Set Length Range For Codabar

Minimum Length (0~50bit)

Maximum Length (0~50bit)

Code 39

Enable

Disable

Code 39 Parity Check

Disable (Default)

Enable But Not Transfer

Enable & Transfer

Code 39 Full ASCII

Enable

Disable (Default)

Set Length Range For Code 39

Minimum Length (0~50bit)

Maximum (0~50bit)

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 Check Bit (Default)

Enable Check and Not Send Check Bit

Enable Check & Send Check Bit

Interleaved 2 of 5 (ITF25) Length Selection

Random Length (6-50bit) (Default)

6 Bit

8 Bit

10 Bit

12 Bit

14 Bit

16 Bit

18 Bit

20 Bit

22 Bit

24 Bit

Set Length Range for Interleaved 2 of 5

Minimum (0~50bit)

Maximum (0~50bit)

Industrial 2 of 5

Enable

Disable

Set Length Range for Industrial 2 of 5

Minimum (0~50bit)

Maximum (0~50bit)

Matrix 2 of 5 (4-24bit)

Enable

Disable

Set Length Range for Matrix 2 of 5

Minimum (0~50bit)

Maximum (0~50bit)

Code 93

Enable

Disable

Set Length Range for Code 93

Minimum (0~50bit)

Maximum (0~50bit)

Code 11

Enable

Disable (Default)

Code 11 Parity Check Output

Enable

Disable (Default)

Code 11 Parity Selection

Disable (Default)

1 Bit

2 Bit

Set Length Range for Code 11

Minimum (0~50bit)

Maximum (0~50bit)

Code 128

Enable

Disable

GS1-128

Enable

Disable

Set Length Range for CODE-128

Minimum (0~50bit)

Maximum (0~50bit)

UPC-A

Enable

Disable

UPC-A Check Bit

Send UPC-A Check Bit (Default)

Not send UPC-A Check Bit

UPC-A Convert to EAN-13

Enable UPC-A convert to EAN-13

Disable UPC-A convert to EAN-13 (Default)

UPC-E

Enable

Disable

UPC-E Check Bit

Send UPC-E Check Bit (Default)

Not send UPC-E Check bit

UPC-E Expand to UPC-A

Enable

Disable (Default)

EAN/JAN-8

Enable

Disable

EAN-8 Convert to EAN-13

Disable EAN-8 convert to EAN-13

Enable EAN-8 convert to EAN-13

EAN/JAN-13

Enable

Disable

UPC/EAN/JAN Add on code

Ignore UPC/EAN/JAN (Default)

Decode UPC/EAN/JAN

Custom UPC/EAN/JANA add on code

EAN13 Convert to ISBN

Enable

Disable (Default)

EAN13 Convert to ISSN

Enable

Disable (Default)

GS1 DataBar (RSS14)

Enable

Disable

GS1 DataBar Limited

Enable

Disable

GS1 DataBar Expanded

Enable

Disable

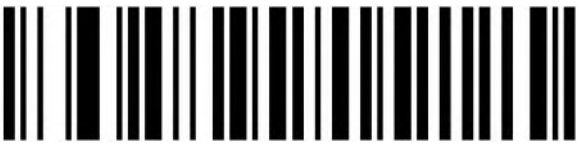
PDF417

Enable

Disable

Micro PDF417

Enable



Disable

QR Code

Enable

Disable

QR Code URL Link

Disable

Enable

Micro QR

Enable

Disable

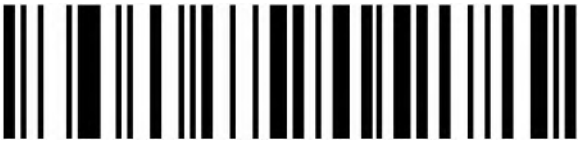
Data Matrix

Enable

Disable

Aztec Code

Enable



Disable

Scan Mode

Auto Sense Mode off

Decoding by pulling the trigger of the scanner when auto sense mode is off. It’s default mode.

Off (Default)

Auto Sense Mode on

The scanner can sense barcode for decoding automatically.

On

Repeat Barcode Detection

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

500ms

750ms (Default)

1s

2s

Light Configuration

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(*)

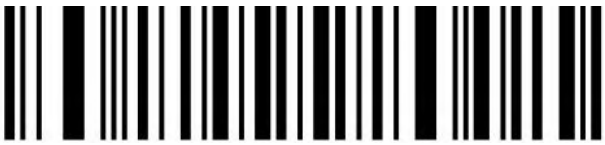
Low

Ultra-low speed

Ultra-fast speed

Data Editor

Suffix Terminator character Setting



Suffix-None

Suffix-Enter(*)

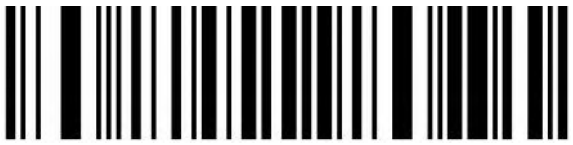
Suffix-Line

Suffix-Tab

Suffix-Enter&Line

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: "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 "ABCDEFGHIJKLMN";
The content after adding the prefix is ""ABCDE12345FGHIJKLMN"".
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.

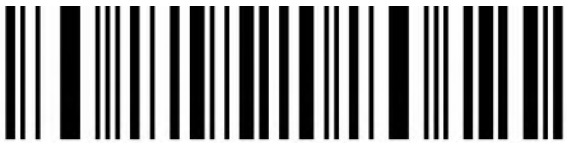
Add Suffix Setting

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 "ABCDEFGHIJKLMN";
The content after adding the prefix is ""ABCDE12345FGHIJKLMN"".
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

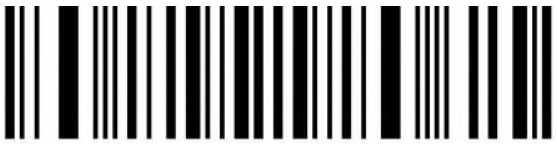


Hide the first 2 bits

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

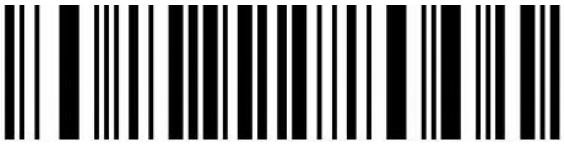
Hiding back character shortcut setting

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

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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

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