

Quick Start Guide

In order to correctly use the bar code scanner, please read the instruction carefully and do not arbitrarily scan the settings code, otherwise some settings may not be available.

Please keep this instruction for reference in the future.

If you have any question or concern about the operation of the scanner, please contact us at Email: server@nadamoo.cn / burnfree@126.com.

Package Include:

- 1 x Bar code scanner
- 1 x USB cable
- 1 x USB Wireless receiver
- 1 x User manual

Charging

Please ensure that the scanner has enough power. If the scanner runs out of power, the buzzer will ring for seconds, and the scanner will shut down automatically. At this case, please stop scanning and recharge the scanner.

Please insert one end of USB cable into the scanner correctly, and insert another end to computer USB interface or 5V DC USB interface power (NOTE: please use computer USB interface or special 5V DC power supply to charge, the abnormal power will cause permanent damage to scanning gun and battery). Yellow LED light will light up when the scanner is at charge statue. It will take about 4 hours to recharge the scanner. After full charged, the LED light will go out automatically.

Connection Setting

This scanner has two connection mode:

Mode 1: Wired Mode.

Set by steps:

1. Connect the scanner to your computer via USB cable;
2. Scan the code " PS2 keyboard wired mode " to convert the scanner to wired mode.



PS2 keyboard wired mode

3. Test the scanner using Microsoft EXCEL, click any cell and scan a product bar code, the code will automatically appear in the cell.

In wired mode, user can set up the speed of uploading data.

** Scan one of the following bar code to select the speed mode for uploading.



Upload speed-fast



Upload speed-modest(default)



Upload speed-slow

Mode 2: Wireless Mode

Set up steps:

1. Plug the USB wireless receiver into a PC's USB port;

2. Scan the code "Match the receiver " to match the receiver with the scanner;



Match the receiver

3. Scan the code "Wireless mode" to convert the scanner to wireless mode;



Wireless mode

4. Scan the code "instant upload mode" to set the scanner to upload the barcode instantly;



instant upload mode

5. Test the scanner using Microsoft EXCEL, click any cell and scan a product bar code, the barcode will appear in the cell automatically.

Under wireless mode, except for instant upload mode, there is another collection upload mode.

In collection upload mode, the scanner will automatically store the data in it's own memory. Internal storage supports up to 30,000 barcodes. You can upload the data to computer when you need it.

**To convert from "instant upload mode" to "Collection upload mode", please scan the following barcode.



Collection upload mode

** Scan the following barcode to upload the stored data.



Upload data

**Scan the following barcode to show total number of stored barcode



Show total storage

**Scan the following barcode to clear all the stored barcode.



Clear data

Customer FAQ

Q1. If I scan a product barcode, will it include the name of the product in the file automatically?

The scanner works like a keyboard, it can't interpret what the barcode is, instead it just "types" out a string of alphabet numeric characters that the barcode represents. It's up to the database software you are using to interpret what the string of characters means.

Once you acquire the barcodes, you have to correlate them with something more meaningful by either purchasing a software service that will interpret the barcode and relate it to a product, or you can use your own internal inventory system to assign the barcodes to specific products.

After creating the relationship between your barcode and the corresponded information, scan the barcode into the software, your software will look up the barcode and then output the related information of your product.

Q2. Why can't the scanner read the bar codes?

There may be several reasons for this issue.

1) It may be due to setup errors.

If you want to use it in wired mode, please connect the scanner to your computer via usb cable and scan the code " PS2 keyboard wired mode".



PS2 keyboard wired mode

If you want to use it in wireless mode, please connect the scanner to you computer via USB receiver, and then scan the following codes "Match the receiver" "Wireless mode" "instant upload mode".



Match the receiver



Wireless mode



instant upload mode

NOTE: After reset the scanner into factory settings, you need to choose the connection mode again.

2) The other possible reason is that the setting is off by default, for some barcode types are not commonly used. You need to activate a specific barcode type to get it to work .

You don't have any clue about how to set the scanner, please feel free to contact our Customer Service Team (**Email: server@nadamoo.cn/ burnfree@126.com**) for further assistance. Please include the model of the product and a clear picture of the barcode, which will allow us to identify the issue and provide assistance as quick as possible.

Q3. Why does scanner not read the barcode exactly. When using the scanner to read a barcode of an item, I get a different result from the barcode itself. For example, I use Code 39. it puts an * at the beginning and a * at the end. How can I program the scanner to read whole barcode? The barcode that computer received is 123456789. The barcode we need is *123456789*.

The scanner was set to not read the extra start and end characters of code39 by default. Please scan the code "Code39 start/stop digit-On" (on page 13) to activate the settings.

If that is not your case, please send us a clear picture of the barcode and the result you get, our customer service will help you to solve the problem.

Scanning Mode Setting

Key trigger mode: Red laser light only show up when you press the button.

Continuous scanning mode: Red laser light always on when the scanner is electrified.
The scanner reads barcode without pressing any buttons.

** Scan one of the following barcode to select scanning mode.



Keys Trigger mode (default)



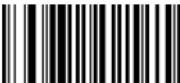
Continuous Mod

Buzzer settings:

* * Scan one of the following barcode to ON / OFF the buzzer.



Open voice



Close voice

* * Scan one of the following barcode to change the voice volumn.



High volumn



Low volumn

Case sensitivity settings

* * Scan one of the following bar code to choose letter size.



All in lower-case letters



All in capital letters



Change lower-case to capital
Change capital to lower-case



Turn off letter conversion

Insert character as prefix

(1) Step 1: scan the set up code (Add prefix) below:



Add prefix

(2) Step 2: scan the needed character code (**character-table is on page 15**)

E.g. To add prefix " RST", scan the character R , S ,T one by one.



1082 R



1083 S



1084 T

Now the "RST" will be added, then scan the normal bar code.

(3) Step 3: Scan your goal barcode, e.g. scan the below code "X001E52257", the bar code "RSTX001E52257" will be showed.



X001E52257

Insert character as suffix

(1) Step 1: scan the set up code below:



Add suffix

(2) Step 2: scan the needed character code (**character-table is on page 15**)

E.g. To add suffix " RST", scan the character R , S ,T in order.



1082 R



1083 S



1084 T

Now the "RST" will be added, then scan the normal bar code.

(3) Step 3: Scan your goal barcode, e.g. scan the below code "X001E52257", the barcode "X001E52257RST" will appear.



X001E52257

Clear Prefix / suffix character



Clear all character suffix



Clear all character prefix

Terminator setting:

Before add/ change any Terminator, scan the following code "Disable Format character " at first, then to scan corresponded code.



Disable Format character

Example 1: To add **TAB** after barcode, scan above code "Disable Format character " at first, then scan the code "Add suffix" & "TAB" in turn.



Add suffix



1009 TAB

Example 2: To add **CR/Enter** after barcode, scan above code "Disable Format character " at first, then scan the code "Add suffix" & "CR " one by one.

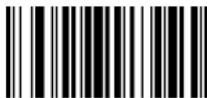


Add suffix



1013 CR

Example 3: To add **CR&LF** after barcode , scan above code "Disable Format character " at first, then scan the code "Add suffix" & "CR" & "LF" one by one.



Add suffix



1013 CR



1010 LF

Hide characters from start position of Code

Shorten the barcode from start position as followed:

(1) Step 1: scan the set up code "Hide characters from start position" below:



Hide characters from start position

(2) Step 2: scan one of the following code to set how many characters you want to hide, e.g. Code "1050 2" means the starting 2 characters in the barcode that you scanned will be hidden.



1049 1



1050 2



1051 3



1052 4



1053 5



1054 6



1055 7



1056 8



1057 9

Example: For barcode 123456789, if you want to shorten the result characters to 456789, you can scan these codes one by one:

"Hide characters from start position" --- "1051 3".

* scan the code below to reinstate the hidden leading character



cancel shorten leading character

Hide characters from end part of Code

Shorten the bar code from end part as following steps showed:

- (1) Step 1: scan the set up code "Hide characters from end position" below:



Hide characters from end position

- (2) Step 2: scan one of the following code to set how many characters you want to hide, e.g. Code "1050 2" means the ending 2 characters in the barcode that you scanned will be hidden.



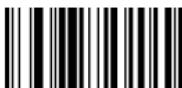
1049 1



1050 2



1051 3



1052 4



1053 5



1054 6



1055 7



1056 8



1057 9

Example: For barcode 123456789, if you want to limit the result characters to 123456, you can scan these codes in turn:

"Hide characters from end position" --- "1051 3"

* scan the code below to reinstate the hidden ending character



cancel shorten ending character

Hide characters from specific part

Hide a partial of the barcode from specific place in the middle of the barcode.

Following the steps to set up:

- (1) Step 1: scan the set up code "Hide characters from m" below:



Hide characters from m

- (2) Step 2: scan one of the following code to decide from which character you want to hide ("m" means the beginning place of the character) , e.g. Code "1050 5" means from 5th character in the barcode that you scanned will begin to be hidden.



1049 1



1050 2



1051 3



1052 4



1053 5



1054 6



1055 7



1056 8



1057 9

- (3) Step 3: scan the code "Hide middle n characters" below:



Hide middle n characters

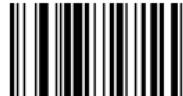
- (4) Step 4: scan one of the following code to set how many characters you want to hide ("n" means how many characters that you want to hide), e.g. Code "1055 2" means from the 5th character in the example in Step 2 the successive 2 characters in the barcode that you scanned will be hidden.



1049 1



1050 2



1051 3



1052 4



1053 5



1054 6



1055 7



1056 8



1057 9

Example: For barcode 123456789, if you want to limit the result characters to 126789 ("345" in the barcode is hidden), you can scan these codes one by one, any wrong scanning order will result in failure setting:

"Hide characters from m" --- "1051 2"--- "Hide middle n characters"--- "1051 3"



Hide characters from m



1050 2



Hide middle n characters



1051 3

* scan the code below to reinstate the hidden middle character



cancel shorten middle character

Identify Barcode type

This setting is to identify what type of the barcode is, follow the below steps to confirm:

Situation 1: Scan the code "Add Code ID as prefix" below, then scan your goal barcode, there will be a character **BEFORE** the barcode you scanned, and this character states your Barcode Type. After that, if you don't need this prefix any more, please scan the code "Turn off ID (default)" to hide it.



Add Code ID as prefix

Scan
Goal Barcode



Turn off ID (default)

Situation 2: Scan the code "Add Code ID as suffix" below, then scan your goal barcode, there will be a character **AFTER** the barcode you scanned, and this character states your Barcode Type. After that, if you don't need this suffix any more, please scan the code "Turn off ID (default)" to hide it.



Add Code ID as suffix

Scan
Goal Barcode



Turn off ID (default)

| Barcode type | ID | Barcode type | ID |
|--------------|----|--------------------|----|
| Code 39 | m | Code 93 | i |
| UPCA | e | Code 128 | a |
| UPCE | f | Codabar | v |
| EAN 13 | d | Interleaved 2 of 5 | n |
| EAN 8 | c | Industrial 2 of 5 | o |
| MSI | s | Code 11 | u |

Barcode setting

When scanning the code ending with word "On" means the this type of code / function is available, while scanning the code ending with word "Off" means this type of code / function is disable.



code39-On



Code39-Off



Code39 check digit-On



Code39 check digit-Off



code39 Full
ASCII-On



code39 Full
ASCII-Off



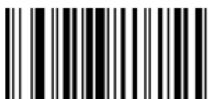
Code 39 start/stop
digit-On



Code39 start/stop
digit-Off



UPCA-ON



UPCA-Off



UPCA-check digit - ON



UPCA-check digit - Off



UPCA to EAN 13-On



UPCA TO EAN13-Off



UPCE-On



UPCE-Off



UPCE-check digit - ON



UPCE-check digit - Off



UPCE to UPCA-On



UPCE to UPCA - Off



EAN13-On



EAN13-Off



EAN13-check digit -On



EAN13-check
digit-Off



EAN13 to ISBN- On



EAN13 to ISBN- Off



EAN8 -On



EAN8-Off



EAN8-check digit- On



EAN8-check
digit-Off



EAN8-2digit
extracode-On



EAN8-5 digit
extracode-On



EAN8- extracode-Off



Code93-On



Code93-Off



Code128-On



Code128-Off



Codabar-On



Codabar-Off



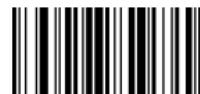
Codebar start/end
digit-on



Codebar start
/end digit-off



Interleaved 2 of
5-On



Interleaved 2 of
5-Off



Industrial 2 of 5
-On



Industrial 2 of
5-Off



MSI -On



MSI-Off



Code11-On



Code11-Off

Character-table



1001 SOH



1002 STX



1003 ETX



1004 EOT



1005 ENQ



1006 ACK



1007 BEL



1008 Backspace



1009 TAB



1010 LF



1011 VT



1012 FF



1013 CR



1014 SO



1015 SI



1016 DLE



1017 DC1



1018DC2



1019 DC3



1020 DC4



1021 NAK



1022 SYN



1023 ETB



1024 CAN



1025 EM



1026 SUB



1027 ESC



1028 FS



1029 GS



1030 RS



1031 US



1032 SPACE



1033 !



1034 "



1035 #



1036 \$



1037 %



1038 &



1039 '



1040 (



1041)



1042 *



1043 +



1044 ,



1045 -



1046 .



1047 /



1048 0



1049 1



1050 2



1051 3



1052 4



1053 5



1054 6



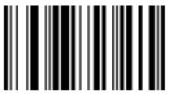
1055 7



1056 8



1057 9



1058 :



1059 ;



1060 <



1061 =



1062 >



1063 ?



1088 X



1089 Y



1090 Z



1091 [



1092 \



1093]



1094 ^



1095 _



1096 `



1097 a



1098 b



1099 c



1100 d



1101 e



1102 f



1103 g



1104 h



1105 i



1106 j



1107 k



1108 l



1109 m



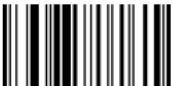
1110 n



1111 o



1139 F12



1140 INSERT



1141 HOME



1142 Page up



1143 Delete



1144 END



1145 Page down



1146 Right arrow



1147 Left arrow



1148 Down arrow



1149 Up arrow

Power off

The system default standby time is 30s. If non-operation in 30s, the scanner will issue a long beeping and shut down automatically.

Scan the following code to set standby time.



30s auto power off (default)



60s auto power off



5min auto power off



10min power off



20min auto power off



power off

Reset the factory default setting

If you do not need the previously configured functions, please reset the scanner to the factory settings by scanning the following code.



reset the factory default

NOTE: After resetting the scanner, you need to choose the connection mode again.
Operation steps see above in Page 1

Technical Parameters

Interface: USB Wires + 2.4 G Wireless

Transmission distance: 30m/98ft

Light source: Red LED (Aiming)

Storage: 30000 barcode

Decoding capability: UPC-A, UPC-E, EAN-13, EAN-8, ISBN/ISSN code, code 39, code 39 Full ASCII, code93, code 128, code128 Full ASCII, Codabar, Interleaved 2 of 5, industrial 2 of 5, Chinese Postal code, MSI, Code11

Decoding speed: 260 scan /s

Error rate: 1/500million

Trigger mode: Manual trigger, Continuous scanning

Scanning area: 5*5 cm² ~ 30-30cm²

Indicator mode: Buzzer indicator light

Charging time: 4 hours

Shock resistance: design to fall from 1.5meters from concrete surface

For any specific requests, please contact us:

server@nadamoo.cn , burnfree@126.com