Bur3148
1D Barcode Scanner with Base
User Manual

Tech Support:

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V.3

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 temporarily.

Please keep this instruction for future reference .

If you have any question or concern about the operation of the scanner, please contact us at following Email:

server@nadamoo.cn
nadamoo@126.com

You are suggested to write down the model & the specific scenario and contact us if you find the scanner abnormal.

Contents

Technical Parameter

Model-Number	Bur3148
Connection	Bluetooth + 2.4GHz Wireless + wired
Distance	≤50m (Bluetooth) , ≤100m (Wireless)
Memory	16M = 100000 barcodes
Battery capacity	1200mAh
Sensor	CCD Image Sensor
Working current	4.1V
Charging power	5V-400mA
Printing Contract	>25%
Decoding accuracy	≥3.3mil@PCS90% CODE39
LED life	12000 hours
Button life	8000,000 times
Trigger Mode	Manual Trigger, Continuous Scanning, Auto-Sensing
Upload mode	Instant upload mode, Storage mode
Working time	Full load≈18hours, Normal use ≈3 to 10 days
CPU	ARM 32-bit Cortex
Printing Contract	>25%
Scanning angle	Angle of rotation360°, inclination± 65°,declination ±
Drop test	2.0m
Certificate	CE, FCC, RoHS, IP54
Drop test	2.0m
Barcode Type	1D: UPC, EAN, Code39, Code32, Codabar, Code128, Code93, Interleaved 2 of 5, ITF14, Industrial 2 of 5, Standard 2 of 5, Code 11, MSI/Plessey, GS1 Databar, Matrix 2 of 5.

Packing List

Barcode Scanner * 1
Mini USB receiver * 1
USB Cable * 1
Base * 1
User Manual * 1

Light Indicator Description

Dimensions：120X48x23mm

LED1:Decoder indicator

When the reading is successful,, the green light flashes once.

LED2: Bluetooth status indicator

* When the scanner enters into bluetooth pairing, the blue LED 2 and green LED 3 will flicker alternately .

*When bluetooth connection is complete, the blue LED 2 will be on steady and green LED 3 will be off.

LED3: Wireless status indicator

*When the scanner enters into 2.4g wireless pairing, green LED 3 will flicker.

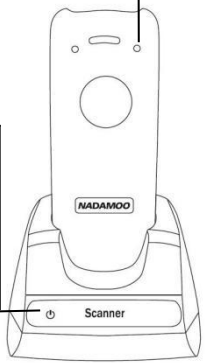
*When the 2.4g wireless connection is complete, the green LED 3 will be on steady.

LED4:Charge indicator

During charging, the green light is on steady.
When the green light is off, it is fully charged.

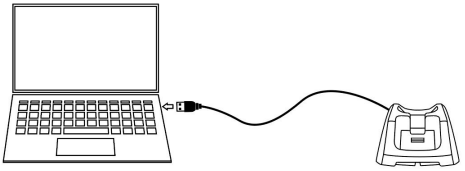
LED5:Base indicator

When the base is connected with computer by USB cable, the green light will turn on.



Note:

This base is connected to the computer via a USB cable.
The USB cable insert port is under the base corner.
Please refer to the figure below for the connection.



Quick Start Guide

The scanner support 3 connections: Bluetooth mode + wireless mode + wired mode.

It is suggested to use 2.4GHz wireless mode & wired mode on the computer, use bluetooth mode on the smartphone, tablets.

1. Bluetooth Mode Quick Start Guide

--To use the scanner on Android / iOS device

Step 1. Scan the code "Bluetooth mode", " Match " in order. At the time, blue light is blinking.

Bluetooth Mode

Match

Step 2. Enable bluetooth function on your device till find out "ScannerHID", and click it to pair. Wait a few seconds, the blue light will be on steady and the buzzer beeps once, which means bluetooth pairing is successful.

Step 3. Scan the code "Instant Upload Mode" to set the scanner instantly upload barcode.

Instant Upload Mode

Step 4. Test the scanner using notepad, put cursor to the blank, scan a barcode to see if it can be uploaded.

Note 1: Once the pairing is complete, the keyboard of your device will disappear.

****** To show or hide iOS keyboard.

Method 1: *S*can the following code, it will activate the soft keypad; scan the code again, the soft keypad will be hidden.

Show/Hide iOS keyboard

Method 2: Double click button quickly, it will active the soft keypad. Double click button quickly again, the soft keypad will be hidden.You can also set up the scanner to disable or enable double click function.

Double Click Show/Hide iOS keyboard-On *

Double Click Show/Hide iOS keyboard-Off

** To show Android keyboard, it needs to install the "CILICO Bluetooth barcode input method" APP. Please contact us (server@nadamoo.cn) for the app and tutorial.

Note 2: If scanner leaves out character, please slow down speed .

High Speed*

Medium Speed

Low Speed

Very Low Speed

Note 3: When the scanner switches to Bluetooth mode, the scanner will automatically reconnect to the last connected Bluetooth device.

If you do not want to connect the scanner to the last device, double click the button before the Bluetooth automatically reconnection succeeds, it will switch to the Bluetooth pairing state to connect to the new device. And double click the button again, the scanner will automatically connect to the last device.

You can also delete the scanner from last connected device and connect the scanner to the new device.

2. 2.4GHz Wireless Mode Quick Start Guide

--To use the scanner on computer

Step 1. Scan the code "2.4GHz wireless mode" "Match" in order. The green LED 3 flashes.

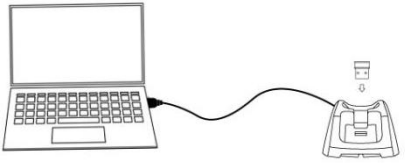
2.4G Wireless Mode

Match

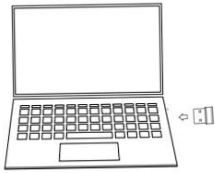
Step 2. Plug the mini USB receiver into the USB port of the charging Base.

Please make sure that the scanner base has already connected to the computer by USB cable.

After a few seconds, the scanner will emit one beep. The green LED 3 will be on steady, that means the scanner wireless pairing is successful.



Notice 1*: Or you can plug directly the mini USB receiver in to computer ‘s USB port.*



Step 3. Scan the code “Instant Upload Mode” to set the scanner instantly upload barcode.

Instant Upload Mode

Step 4. Test the scanner using notepad, put cursor to the blank, scan a barcode to see if it can be uploaded.

Note 1: If the pairing failed, please unplug the mini USB receiver, then repeat the steps above.

Note 2: If you want to set the scanner back to bluetooth mode, please press and hold the button for 8 seconds or scan the code “bluetooth mode” ” Match” . When the blue LED 2 turns on, it means the scanner successfully changes mode to bluetooth mode.

3. Wired Mode Quick Start Guide

--To use the scanner on computer

STEP1. Connect the scanner to your computer via USB cable. When the USB cable is plugged, the scanner will automatically switch to the wired mode.

STEP2. Open notepad on computer, put cursor in the blank, scan a barcode to see if it can be uploaded.

NOTE 1:

After unplugging the USB cable, the scanner will automatically switch to the previous mode. (bluetooth mode or 2.4GHz wireless)

Note 2:

** To turn off auto-wired mode，scan the code below.

Auto-wired Mode - Off

** To turn on auto wired mode，scan the code below.

Auto-wired Mode- On*

After scanning the code “Auto-wired Mode-Off/On”, please unplug the USB cable and plug it again, then the setting will take effect.

FAQs:

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

The scanner works like a keyboard. The scanner does not interpret what the barcode is, 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 that string of characters means. Once you acquire the barcodes, you have to correlate them to 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 ,when you enter the barcode into the software by the scanner,your software will look up the barcode and then output the related information of your product.

Q2. My phone can not find the scanner.

A. Make sure the phone is android 3.0 or above, it can be connected directly

B. The scanner was set to wired mode or 2.4GHz wireless mode.
Or the scanner is not in pairing status.
Please unplug the cable first, and then scan the code "bluetooth mode" " match" to switch mode.

C. The scanner has been connected with other phone. Please disconnect the scanner from the Bluetooth connection of other phone.

Q3. Scanner is connected, but the barcode can not be sent to my phone/tablet/PC.

The scanner was set to storage mode. All scanned data are stored in the buffer of scanner.

Please set the scanner to instantly upload data by scanning the code "Instant upload mode" on page 12.

Q4. Some barcodes can not be read, why?

A. Incomplete and unclear barcodes might not be read.
B. It is possible that the setting is off by default for some barcode types which are not commonly used. You need activate a specific barcode type (on page 20) to get it working. Please feel free to contact our Customer Service Team for further assistance if you don't know the exact type of barcode that you are referring to.

Q5. Why does scanner not read the barcode exactly. When I use the scanner to read a barcode of an item, I get a different result from the barcode itself.

Example 1, There are two separate barcodes together. It scanned the first 12 digits in the barcode but not the last five.

Solution: Pleae scan code "Output 2/5 Extra Code -On" on page 22.

Example 2, The original barcode is "abc12345", the scanning result is "+A+B+C+D12348", the scanner put "+" between character.

Solution: Please scan the code "Code 39 Full ASCII-On " on page 23.

If this 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.

Q6. Is there any barcodes to remove auto-enter after every scanning?

To remove the auto-enter, please read the code "None" on page 17.

Optional Function Settings

Settings of the barcode scanner can be changed by scanning the setup barcodes included in this manual.

1.Upload Mode Setting

Three kinds of upload mode are supported under Bluetooth mode and 2.4GHz wireless mode.

A.Instant upload mode: Scanning barcode and real-time upload the barcode straight to the file you have open.

**To set the scanner to instant upload mode, scan the following barcode.

Instant Upload Mode

B.Storage mode: Under storage mode, all scanned data will be stored in the memory of the scanner and will not comes up instantly. You can batch upload all barcode when ready. Internal storage supports up to 100000 barcodes .

An operation in storage mode is strongly recommended under the following scenarios:

1) During the scanning process, the device often leaves the Bluetooth / wireless signal range;

2) Due to a high quantity of blocking objects, the Bluetooth / wireless signal's stability can't be ensured.

**To set the scanner to storage mode , scan the following barcode.

Storage mode

** To upload data from memory, open the notepad, put the cursor in the blank, and then scan the 'Upload Data' barcode, it will upload all the stored barcode at a time.

Upload data

** To show total number of stored barcode, put the cursor in the blank, and then scan the "Show total storage" barcode. It will out put "The total numbers: xxxxxxx".

Show total storage

**Scan the barcode "Clear data" to clear all the stored barcode. (for storage mode only).

Clear data

2.Scanning Mode Setting

Three kind of scanning modes are supported.

2.1. Manual Trigger Mode (default)

In this Manual Trigger Mode , the barcode reader starts reading after pressing the button, and the barcode reader stops reading after successfully reading or unlocking the trigger button.

** Scan the following codes to set the scanner to Manual trigger mode.

Manual Trigger Mode

2.2. Continuous scanning mode

There' s no need to click the trigger in this mode. The red light of the scanner will be on all the time.

** Scan the following code to set the scanner to Continuous Scanning Mode.

Continuous scanning mode

2.3. Auto-Sensing Mode

After the setting is completed, there is no need to press the button, and the scanner starts detecting the change of the environment before the window. After the reading is complete, it stops and is in the monitoring state waiting for the next environmental change. In this mode, pressing the button can also start reading.

** To set the scanner to auto-sensing mode, scan code "Manual Trigger Mode" first, then scan code" Auto-sensing Mode-On" .

Auto-sensing Mode-On

Auto-sensing Mode-Off

3.Beep Setting

Scanning Beep (Module) - On

Scanning Beep (Module) - Off

High Tone

Low Tone

Shutdown- Off

To turn off the shutdown sound and the startup sound, please read "Scanning Beep (Module) - Off" and "Shutdown- Off" .

4.Vibration Setting

Vibration-On*

Vibration-Off

5. Stand-by Setting

By default, the scanner will start standby mode if there is no operation on it over 5 mins. Short press on the button can wake it up.

To change the sleeping time interval, scan one of the following barcode to set the time interval, when it's idle exceeding the time interval you set, the scanner will enter into stanyby mode.


30 seconds


1 minutes


2 minutes


5 minutes*


10 minutes


30 minutes


Never Sleep


Power Off

6. Battery Level

Put the cursor in the blank, scan the following barcode, the battery remaining voltage will comes up in the location of cursor. If the corresponding residual power percentage lower than 10%, please stop using the scanner and charging it immediately.


Battery Level

7. Terminator Setting

To add Tab after barcode , scan the code "Tab"
To add Enter after barcode , scan the code "Carriage Return "
To set no-termination, scan the code "None".

Carriage Return (ENTER) *

Tab

None

8. Lower & Upper Case Setting

The scanner can change the letter case of barcode into uppercase or lowercase.

Letter case conversion - off*

All upper case

All lower case

9. Keyboard Language Setting

The scanner support 10 international keyboards.
You are suggested to set the keyboard language of the scanner to be in agreement with that in real use by scanning the correspondent barcode listed below.

English

German

French

Spanish

Italian

Japanese

Belgian

Universal

10.Restore Default

All barcode readers have a default setting. Reading the "below configuration barcode in order will restore all barcode reader property settings to the default state.

You are most likely to use this bar code in the following situations:
1、You have forgotten what settings were made for the barcode reader before, and you do not want to use the previous settings。
2、Accidentally scan to other function settings code, which led to the scanning function can not be used normally.

Restore wireless default

Restore module factory setting-1

TTL

Module high volume

Disable module CR

11. Barcode On & Off

Reverse 1D barcode


Reverse 1D barcode-Off*


Reverse 1D barcode-On

EAN 8


EAN8-On*


EAN8- Off


EAN8 Check Digit-On*


EAN8 Check Digit-Off

EAN13


EAN13-On*


EAN13-Off


EAN13 Check Digit-On*


EAN13-Check Digit-Off


EAN13 To ISBN-On


EAN13 To ISBN-Off*

EAN13 To ISSN-On

EAN13 To ISSN-Off*

UPCE

UPCE-On*

UPCE-Off

UPCE Check Digit-On*

UPCE Check Digit-Off

The UPCE barcode contains 8 digits. The 8th digit is the check digit. It is used to verify the accuracy of the bar code. The scanner outputs check digit by default.

UPCE System Digit-On*

UPCE System Digit-Off

The first digit of the UPCE is fixed at 0. The scanner out system digit by default.

UPCE to UPCA - On

UPCE to UPCA - Off*

UPCA

UPCA-On*

UPCA-Off

UPCA Check Digit - On*

UPCA Check Digit - Off

The UPCA barcode contains 12 digits. The 12th digit is the check digit. It is used to verify the accuracy of the bar code. The scanner outputs check digit by default.

UPCA System Digit - On*

UPCA System Digit - Off

The first digit is the system digit, which identifies the commodity category. The scanner out system digit by default.

UPCA to EAN13-Off*

UPCA to EAN13-On

UPC/EAN Extra Code

Output 2/5 Extra Code -On

Output 2/5 Extra Code -Off*

Extra code refers to the 2 or 5 digit bar code added after the UPC&EAN bar code. As shown in the following example, one is the UPCA with 2 code (right end 23), and the other is the EAN8 with 5 code (right end 23456).

By default, the scanner does not output the extra code.

Code39


Code39-On*


Code39-Off


Start / Stop Digit-Off*


Start / Stop Digit-On


Code 39 Full ASCII-Off


Code 39 Full ASCII-On*

Code 93


Code 93-On*


Code 93-Off

Code 11


Code 11-On*


Code 11-Off

Interleaved 2 of 5


Interleaved 2 / 5 - On*


Interleaved 2/ 5 - Off

Industrial 2 of 5


Industrial 2 of 5 - On*


Industrial 2 of 5 - Off

Standard 2 of 5 (IATA)


Standard 2 of 5 - On*


Standard 2 of 5 - Off

China Post


China Post - Off*


China Post - On

Codebar (NW7)


Codebar - On*


Codebar - Off


Codebar Start & End Digit - Off*


Codebar Start & End Digit - On

Plessy & MSI Plessy


Plessy - Off*


Plessy - On


MSI Plessy - Off*


MSI Plessy - On

Rss Limited


Rss Limited - Off*


Rss Limited - On

GS1 DataBar Omnidirectional (RSS Omnidirectional)


GS1 DataBar Omnidirectional -Off*


GS1 DataBar Omnidirectional - On

12. Insert and Delete Character

The barcode scanners permit special characters to be added / deleted at the beginning (prefix) or end (suffix) of the scanned barcode. During setup, please do not scan other unrelated barcodes, otherwise the scanner will exit the character addition settings.

12.1 Insert Character Before Barcode

Step1: Scan the code below to enter setting mode.

Insert character before barcode

Step2. Scan the character code. (character tablet is on page 30)
E.g. To add prefix A,b, scan the character code one by one.

A

b

After that, if you scan your goal barcode, the Ab will be add at the begging of the scanned barcode.

Note 1: 32 character can be added at most.

Note 2: To clear previously added prefix characters, scan the code below.

Clear all prefix

12.2. Insert Character After Barcode

Step1: Scan the code below to enter setting mode.

Insert character after barcode

Step2. Scan the character code. (character tablet is on page 30)
E.g. To add prefix C,d, scan the character code one by one.

C

d

After that, if you scan your goal barcode， the Cd will be add at the end of the scanned barcode.

Note 1: 32 character can be added at most.

Note 2: To clear previously added suffix characters, scan the code below.

Clear all suffix

12.3 Hide character From Start Position

Step1: Scan the code below.

Hide character from start position

Step 2: Scan desired code to hide the corresponding character.

1 character

2 character

3 character

4 character

5 character

6 character

7 character

8 character

9 character

10 character

11 character

12 character

13 character

14 character

15 character

16 character

Example: For barcode 123456789, if you want to limit the result characters to 3456789 ("12" in the barcode is hidden), you can scan these codes below.

"Hide character from start position" >" 2 character"

Note 1: To reinstate hidden leading character，scan code below.

Reinstate leading character

12.4 Hide character From End Position

Step1: Scan the code below.

Hide character from end position

Step 2: Scan desired code to hide the corresponding character.

1 character

2 character

3 character

4 character

5 character

6 character

7 character

8 character

9 character

10 character

11 character

12 character

13 character

14 character

15 character

16 character

Example: For barcode 123456789, if you want to limit the result characters to 123456 ("789" in the barcode is hidden), you can scan these codes below.

"Hide character from end position" >" 3 character"

Note 1: To reinstate hidden ending character，scan code below.

Reinstate ending character

ASCII Table

SOH	%%01
STX	%%02
ETX	%%03
EOT	%%04
ENQ	%%05
ACK	%%06
BEL	%%07
BS Backspace	%%08
TAB	%%09
LF	%%0A
VT	%%0B
FF	%%0C
CR	%%0D
F1	%%0E
F2	%%0F
F3	%%10
F4	%%11
F5	%%12
F6	%%13
F7	%%14
F8	%%15
F9	%%16

F10	%%17
F11	%%18
F12	%%19
SUB	%%1A
ESC	%%1B
FS	%%1C
GS	%%1D
RS	%%1E
US	%%1F
Space	%%20
!	%%21

"	%%22
#	%%23
$	%%24
%	%%25
&	%%26
'	%%27
(	%%28
)	%%29
*	%%2A
+	%%2B
,	%%2C

-	 %%2D
.	 %%2E
/	 %%2F
0	 %%30
1	 %%31
2	 %%32
3	 %%33
4	 %%34
5	 %%35
6	 %%36
7	 %%37

8	 %%38
9	 %%39
:	 %%3A
;	 %%3B
<	 %%3C
=	 %%3D
>	 %%3E
?	 %%3F
@	 %%40
A	 %%41
B	 %%42

C	 %%43
D	 %%44
E	 %%45
F	 %%46
G	 %%47
H	 %%48
I	 %%49
J	 %%4A
K	 %%4B
L	 %%4C
M	 %%4D

N	 %%4E
O	 %%4F
P	 %%50
Q	 %%51
R	 %%52
S	 %%53
T	 %%54
U	 %%55
V	 %%56
W	 %%57
X	 %%58

Y	%%59
Z	%%5A
[	%%5B
\	%%5C
]	%%5D
^	%%5E
_	%%5F
`	%%60
a	%%61
b	%%62
c	%%63

d	%%64
e	%%65
f	%%66
g	%%67
h	%%68
i	%%69
j	%%6A
k	%%6B
l	%%6C
m	%%6D
n	%%6E

o	 %%6F
p	 %%70
q	 %%71
r	 %%72
s	 %%73
t	 %%74
u	 %%75
v	 %%76
w	 %%77
x	 %%78
y	 %%79

z	 %%7A
{	 %%7B
|	 %%7C
}	 %%7D
~	 %%7E
DEL	 %%7F