

NETUM[®]

Wireless Laser Scanner Manual

- Long distance wireless communication
- Fast decoding speed with a large battery capacity
- Built-in FLASH memory, supports breakpoint resume
- Store 2000 pieces Code-128 codes under store mode
- Supports Windows XP, Win7/8, Wince etc.

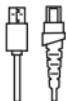
Package included:

- * Scanner x 1
- * USB Cable x 1
- * Receiver x 1
- * Manual x 1

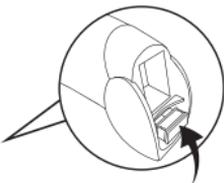
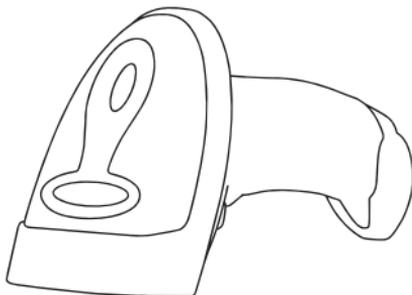
Barcode Scanner Overview



2.4 GHz USB Receiver



USB Cable



USB receiver was plugged in the bottom

Operation Instruction:

1. Choose Communication Mode

Working via USB Cable

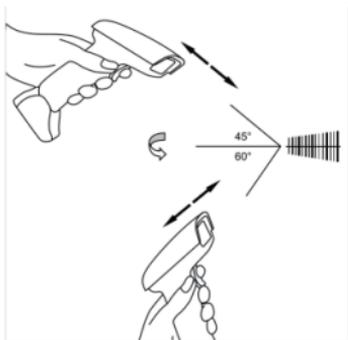
Connect scanner with your device via USB cable. If you use US keyboard, it's plug and play. If you use other type of keyboard , please refer to 'keyboard language 'to configure the keyboard language before use it.

Working via USB receiver

Plug the USB receiver on your device, then you can start to use it. US keyboard is configured by default. If you use other type of keyboard , please refer to 'keyboard language' to configure the keyboard language before you use it.

2. Get started to scan normal barcode

- ① Scan barcode in a correct angel ($\pm 45+60^\circ$)
- ② Moving scanner towards the barcode back and forth to find the best scanning distance.



3. LED and Beeper Indication

Successful Scan	Buzzer	LED
Yes	One beep	Light On then OFF
Failed	Three beeps	Light flash once then OFF
	Five beeps	

Important Note:

When scanner makes three beeps please configure the channel for it. Refer to 'Configure Working Channel'.

When scanner makes five beeps please charge power for it for 3-4 hours until the LED light turns to solid blue.

Barcode Programming

Our barcode scanners are factory programmed for common terminal and communications settings. If you need to change these settings, programming is accomplished by scanning the bar codes in this guide. An asterisk (*) next to an option indicates the default setting.

Communication Mode

USB -KBW *

When you connect the scanner to the Host via a USB connection, you can enable the USB-KBW feature by scanning the barcode below. It works on a Plug and Play basis and no driver is required.



USB -KBW *

Keyboard Language

In order to output the codes in a correct way after you scan a normal barcode, you have to configure the keyboard language before you use it.

For example

If you use French Keyboard, scan command barcode of "French Keyboard", after that scanner will output barcodes according to French keyboard layout. US Keyboard is configured by default, if you use a US keyboard you can ignore this step.



US Keyboard*



French Keyboard



Germany Keyboard



Italy Keyboard



Portugal Keyboard



Spain Keyboard



Turkey Keyboard



UK keyboard

Scanning Mode

Trigger Mode (Default)

Scanning this bar code will enable the scanner to enter manual trigger mode.



Trigger Mode

Continuous Mode

This mode enables the engine to scan/capture, decode and transmit over and over again.



Continuous Mode

Terminator

The scanner provides a shortcut for configuring the terminating character suffix to CR or CRLF and enabling it by scanning the appropriate barcode below.



No terminator



Add TAB as terminator



Add Enter as terminator

Working Mode (Only apply for wireless mode)

If you are heading for a working area which lies outside the signal range, you may activate store mode of the scanner. Under store mode, all scanned data will be stored directly into the buffer memory of the device. Furthermore, the data entries will be permanently saved in the buffer memory prior to the manual upload into the working station, so that you may upload them time and again to your liking.

1. By scanning the following barcode, the store mode will be activated



Store Mode

2. By scanning the following barcode, all data in the buffer memory will be deleted



Clear All Memory

3. By scanning the following barcode, all data entries in the buffer memory can be uploaded after reconnecting to the working station .



Uploading the Data

4. By scanning the following barcode, the gross quantity of the uploaded data entries will be summarised .



Summarising of Uploaded Data Entry Quantity

5. By scanning the following barcode, the device leaves the store mode, data will be outputted immediately the moment when you scan a barcode.



Quick Store Mode*

Configure Idle time

Scanner will stay awake during the idle time that you set for it and turn to sleep if you haven't used it during the whole idle time.



\$RF#ST02

Idle Time- 1 Min



\$RF#ST06

Idle Time- 3 Min



\$RF#ST20

Idle Time- 10Min



\$RF#ST60

Idle Time- 30Min

Sleep Mode can be disabled by scanning below command barcodes



\$POWER#OFF

Power Off



\$RF#ST00

Disable Sleep Mode

Configure the channel

When scanner makes three beeps please configure channel to rebuild the connection between scanner and receiver.

Steps:

Make sure you have removed the USB cable from the scanner before you configure the channel

1. Scan one of below channel after that scanner will make beep beep... sound.
2. Plug the USB receiver, the beep sound will stop immediately.

(Configure successfully)



\$RF#CH05



\$RF#CH06



\$RF#CH07



\$RF#CH08



\$RF#CH09



\$RF#CH10

Factory Restore

Configure the scanner to revert all configurations to factory defaults when unknown issues have happened .



Factory Restore

Start Wireless Scan

If there's beep sound after you scan a normal barcode but can not output any data please scan below command barcode to start wireless scan.



Start Wireless Scan

Check scanner Version

Scanned below command bercode to check the scanner's version.



Scanner Version

Configure Code ID

A code ID character identifies the code type of a scanned bar code. This can be useful when decoding more than one code type. The code ID character is inserted between the prefix character (if selected) and the decoded symbol.



01400

Disable Prefix Code ID*



01401

Enable Prefix Code ID



0B140

Disable Suffix Code ID*



01402

Enable Suffix Code ID

Symbologies

Users usually need to know barcode type in the process of scanning

Code 11



01261

Enable Code 11



01260

Disable Code11



01321

Enable Code11 Multi-Verification



01320

Disable Code11 Multi-Verification

Code 39



00221

Enable Code39



00220

Disable Code39



00251

Enable transmit Code39 check digit



00250

Disable transmit Code39 check digit



00231

Enable FULL ASCII



00230

Disable FULL ASCII



00281

Transmit Code 39
Start/Stop Character



00280

Do not Transmit Code 39
Start/Stop Character



00331

Enable Code39 Multi-Verification



00330

Disable Code39 Multi-Verification

Code 32



00261

Enable Code32



00260

Disable Code32

Code 93



00621

Enable Code93



00620

Disable Code93



00681

Enable Code93 Multi-Verification



00680

Disable Code93 Multi-Verification

Code 128



00691

Enable Code128



00690

Disable Code128



00841

Enable Code128 Multi-Verification



00840

Disable Code128 Multi-Verification

Codabar



00851

Enable Codabar



00850

Disable Codabar



00861

Transmit Codabar
Start/Stop Character



00860

Do not Transmit Codabar
Start/Stop Character



00951

Enable Codabar Multi-Verification



00950

Disable Codabar Multi-Verification

Interleaved 2 of 5



00961

Enable Interleaved 2 of 5



00960

Disable Interleaved 2 of 5



01051

Enable Interleaved 2 of 5
Multi- verification



01050

Disable Interleaved 2 of 5
Multi- verification

Industrial 2 of 5



01061

Enable Industrial 2 of 5



01060

Disable Industrial 2 of 5



01141

Enable Industrial 2 of 5
Multi- verification



01140

Disable Industrial 2 of 5
Multi-verification

China Post



01571

Enable China Post



01570

Disable China Post

MSI



01151

Enable MSI



01150

Disable MSI



01251

Enable MSI Multi-Verification



01250

Disable MSI Multi-Verification

EAN-8



00371

Enable EAN-8



00370

Disable EAN-8



00471

Transmit EAN-8 check digit



00470

Do not transmit EAN-8 check digit

EAN-13



00361

Enable EAN-13



00360

Disable EAN-13



00461

Transmit EAN-13 Check Character



00460

Do not Transmit EAN-13
Check Character



00481

Enable Convert EAN-13 to ISBN



00480

Disable Convert EAN-13 to ISBN



01501

Enable Convert EAN-13 to ISSN



01500

Disable Convert EAN-13 to ISSN

UPC-A



00341

Enable UPC-A



00340

Disable UPC-A



00421

Transmit UPC-A check digit



00420

Do not transmit UPC-A check digit



00391

Enable Convert UPC-A to EAN-13



00390

Disable Convert UPC-A to EAN-13

UPC-E



00351

Enable UPC-E



00350

Disable UPC-E



00431

Transmit UPC-E check digit



00430

Do not transmit UPC-E check digit



00381

Enable Convert UPC-E to UPC-A



00380

Disable Convert UPC-E to UPC-A

UPC/EAN Add-on Digits



00550

*Disable UPC/EAN Add-on Digits



00551

Enable UPC/EAN 2-Digit Add-on Code



00552

Enable 5-Digit Add-On Code



00553

Enable UPC/EAN 2 or 5 Digit Add-on Code



00541

Enable UPC/EAN Multi- verification



00540

Disable UPC/EAN Multi-verification

Configure Prefix or Suffix

Add Prefix

1. Scan code 'add prefix'. This step will clear all previous prefix configuration. Maximum you can add 32 codes.



0C001
Add Prefix

2. Scan related prefix codes to configure the prefix.

For example :

① If you want to add 'MG' as prefixes, first scan code of M then scan Code of G.



\$4D
M



\$47
G

② Scan 'Test', there're prefixes of MG before Test. That's MGTEST.



TEST

Configure Prefix or Suffix

1. Scan code 'add suffix'. This step will clear all previous suffix configuration. Maximum you can add 32 codes.



0C002
Add Suffix

2.Scan related suffix codes to configure the suffix.

For example :

① If you want to add 'MG' as suffixes, first scan code of M then scan Code of G.



② Scan 'Test' , there're suffixes of MG after Test. That's TESTMG.

Hide Front/Back Codes

Hide Front Codes

Scan barcode of ' Hide Front Codes'. All previous configuration will be cleared.



Scan the number that you want to hide. Maximum can hide 32 codes.

For example

If you want to hide front 2 codes, scan code of \$02



Scan test code '123456789' then you will get the result 3456789

Hide Back Codes

Scan barcode of ' Hide Back Codes'. All previous configuration will be cleared.



Scan the number that you want to hide. Maximum can hide 32 codes.

For example

If you want to hide 2 codes from the end, scan code of \$02



Scan test code '987654321' then you will get the result 9876543.

Hide Number xth Code from the front

Scan barcode of ' 0C005'. All previous configuration will be cleared.



Scan the number code of the position that you want to hide.

For example

If you want to hide the second code from the front, scan code of \$02



Scan test code '987654321' then you will get the result 97654321.

Appendix A

No.	Code ID	Barcode Type Code	Barcode Type
1		00/01	
2	A	2	CODE 128
3	C	3	EAN 8
4	D	4	EAN 13
5	D	5	ISBN
6	E	6	UPC-A
7	F	7	UPC-E
8	I	8	CODE 93
9	J	9	GS1 Omnidirectional
10	K	10	GS1 Limited
11	L	11	GS1 Expanded
12	M	12	CODE 39
13	N	13	Interleaved 2 of 5
14	O	14	Industrial 2 of 5
15	P	15	China post
16	Q	16	Matrix 2 of 5
17	S	17	MSI
18	U	18	CODE 11
19	V	19	Codebar

Appendix B:



OC001

Add Prefix



OC002

Add Suffix



OC003

Hide Front Codes



OC004

Hide Back Codes



\$24

\$



\$25

%



\$26

&



\$27

,



\$28

(



\$29

)



\$30

0



\$31

1



\$32

2



\$33

3



\$34

4



\$35

5



\$36

6



\$37

7

\$23

#



\$38
8



\$3F
?



\$46
F



\$39
9



\$40
@



\$47
G



\$3A
:



\$41
A



\$48
H



\$3B
;



\$42
B



\$49
I



\$3C
<



\$43
C



\$4A
J



\$3D
=



\$44
D



\$4B
K



\$3E
>



\$45
E



\$4C
L



\$4D
M



\$54
T



\$5B
[



\$4E
N



\$55
U



\$5C
\



\$4F
O



\$56
V



\$5D
]



\$50
P



\$57
W



\$5E
^



\$51
Q



\$58
X



\$5F
-



\$52
R



\$59
Y



\$60
`



\$53
S



\$5A
Z



\$61
a



\$62

b



\$6A

j



\$71

q



\$63

c



\$6B

k



\$72

r



\$64

d



\$6C

l



\$73

s



\$65

e



\$6D

m



\$74

t



\$66

f



\$6E

n



\$75

u



\$67

g



\$6F

o



\$76

v



\$68

h



\$70

p



\$77

w



\$78

x



\$7F

DEL



\$86

F7



\$79

y



\$80

F1



\$87

F8



\$7A

z



\$81

F2



\$88

F9



\$7B

{



\$82

F3



\$89

F10



\$7C

|



\$83

F4



\$8A

F11



\$7D

}



\$84

F5



\$8B

F12



\$7E

~



\$85

F6



\$98

/(KP)



\$99
* (KP)



\$9F
1 (KP)



\$A4
6 (KP)



\$9A
- (KP)



\$A0
2 (KP)



\$A5
7 (KP)



\$9B
+ (KP)



\$A1
3 (KP)



\$A6
8 (KP)



\$9C
. (KP)



\$A2
4 (KP)



\$A7
9 (KP)



\$9E
0 (KP)



\$A3
5 (KP)

FAQ

1. Some barcodes can not be read, why ?

- a. Dirty or unclear barcodes might not be read.
- b. Digital barcode displayed on phone, computers or tablets can't be read by laser scanner.

- c. The possible reason is that the configuration for some barcode types are not commonly used is off by default. You need to activate a specific barcode type to get it to work. Please contact the customer service team for help.
 - d. Scanner can not read 2d (QR, Datamatrix,PDF417)
2. Is there any barcodes for applying or remove suffix ?
Yes, please refer to the manual on the part of 'configure prefix or suffix.
3. The data can not be sent to my computer. Why?
a. Please make sure scanner has quit from store mode. Because it will store your scans internally instead of instantly transmitting them to the connected device. You need to scan the 'uploading the data' to send the scanned codes to your connected device.
- b. The scanner has disconnected with the USB receiver (It will make 3 beeps when you scan the normal barcode and data can not be uploaded). In that case please refer to the part of 'configure the channel'.
4. There's laser beam but scanner can not read any barcode or it makes 5 beeps after read a barcode.
In this case, please charge power for the scanner immediately. Scanner can not read any barcode when it's under low voltage.

Support

For any inquiries please do not hesitate to contact us.

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