NETUM®

- ► USB wired + 2.4G wireless communication
- ► Built-in FLASH memory, supports breakpoint resume
- ► Can store 2600 pieces Code-128 codes under offline state
- ► Supports Windows XP, Win7/8, Wince, mobile OS PC

Quick Start Guide

Packing list:

Barcode scanner x 1 pc

USB cable x 1pc

2.4G receiver x 1pc

Quick Start Guide x 1pc

Note: The device is not equipped with the charger, please charge the device via USB output charging equipment.
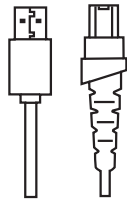
2.4G Wireless Barcode Scanner Overview

Netum 2.4G wireless model integrates a high-performance processer with an effective decoding board, combining a fast decoding speed. High precision and a high anti-interference ability in one device. The device can easily read barcodes on paper and other surface.
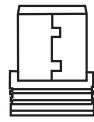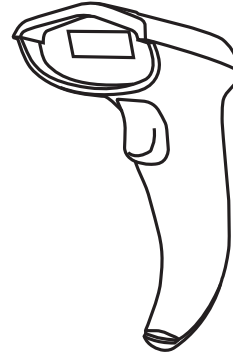
2.4 GHz Wireless

USB2.0 Wired

Factory Default Configuration

This confirguration including four steps,Please scan below codes one by one .

Note that there will not have a beep sound after you scan code of "default configuration".
As long as light turns off a few seconds before you release the trigger button that means scanner has read the codes successfully. keep scanning the following codes until last one to finish the default configuration.

· **Step 1 : Factory default**

303FFF3

· **Step 2 : Enable Code 39**

1000111

· **Step3 : Serial Port**

3030010

· **Step 4 : Baud Rate 19200**

2090107

Scanning Mode

Note that there will not have beep sound when you set below modes.
As long as light turns off a few seconds before you release the trigger button that indicate the configuration has been done.

· Key Holding

Press the button to trigger the reading, release the button to end the reading.
Reading success or reading time over a single reading time will end the reading

2050200

· Continuous Mode

The reading engine performs continuous work. Reading success or reading time over a single reading time will end the reading. More than the specified time will automatically trigger the next reading.

2050204

· Automatic Induction Mode

In automatic induction mode, the scan engine detects the brightness of the surroundings. Trigger reading when the brightness changes. Reading success or reading time over a single reading time will end the reading. Regardless of the last success or failure to read, re-enter the detection of the surrounding environment brightness.

2050209

Below configurations only apply for wireless model

If you are heading for a working area which lies outside the signal range, you may activate the offline mode of the scanner, following the steps described below. Under this enhanced offline 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. Due to the fact that the data entries will be automatically wiped from the buffer memory during upload, a data loss is possible when malfunctions occur during uploading.

1. By scanning the following barcode, the offline mode will be activated.
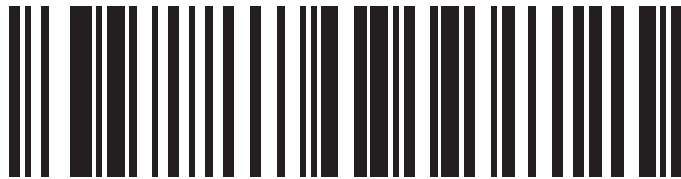
Offline mode activation

2. By scanning the following barcode, all data in the buffer memory will be deleted (only in offline mode).

Clear all Storage

3. By scanning the following barcode, all data entries in the buffer memory can be manually uploaded after reconnecting to the working station (only in offline mode).

Manual data upload

4. By scanning the following barcode, the gross quantity of the uploaded data entries will be summarised (only in offline mode).

Summarising of uploaded data entry quantity

5. By scanning the following barcode, the device leaves the offline mode, normal mode will be reinitialised.

Quit offline mode

Terminator configuration

Add character format: Decode Data + Terminator.

3030050
Disable

3030051
CR & LF

3030052
CR

3030053
TAB

Prefix/Suffix Values

A prefix and/or one or two suffixes can be appended to scan data for use in data editing. To set these values, scan a four-digit number (i.e. four bar codes) that corresponds to ASCII values. See the Table 4-3 and Numeric Bar Codes in appendix. To change the selection or cancel an incorrect entry, scan Cancel in appendix. To set the Prefix/Suffix values via serial commands, see Setting Prefixes and Suffixes Via Serial Commands.

NOTE In order to use Prefix/Suffix values, the Scan Data Transmission Format must be set.

50C0107
Scan Prefix

50C0006
Scan Suffix 1

50C0208
Scan Suffix 2

Scan Data Transmission Format

To change the Scan Data Transmission Format, scan one of the eight bar codes corresponding to the desired format

20C1000
*Data As Is

20C1001
<DATA><SUFFIX 1>

20C1002
<DATA><SUFFIX2>

20C1003
<DATA> <SUFFIX 1><SUFFIX 2>

20C1004
<PREFIX> <DATA >

20C1005
<PREFIX> <DATA> <SUFFIX 1>

20C1006
<PREFIX> <DATA> <SUFFIX 2>

20C1007
<PREFIX> <DATA> <SUFFIX 1> <SUFFIX 2>

4. Appendix

Numeric Bar Codes

For parameters requiring specific numeric values, scan the appropriately numbered bar code(s).

0

1

2

3

4

5

6

7

8

9

Cancel

To change the selection or cancel an incorrect entry, scan the bar code below

Cancel

Example on how to set prefix and suffix

Prefix Setting
Step 1: scan prefix

50C0107
Scan Prefix

Step 2: To set these values, scan a four-digit number (i.e. four bar codes) that corresponds to ASCII values. See the Table 4-3 and Numeric Bar Codes in appendix.

Step 3: i.e if you want to add "+" , scan 1043 (one by one)

1

0

4

3

Step 4: Set Data Transmission Format

20C1004
<PREFIX> <DATA >

Suffix Setting
Step 1: scan suffix

50C0006
Scan Suffix 1

Step 2 and Step 3 same procedures like setting prefix

Step 4: Set Data Transmission Format

20C1001
<DATA><SUFFIX 1>

7

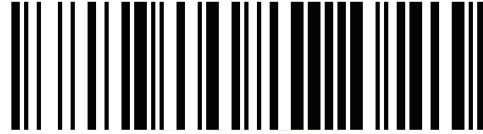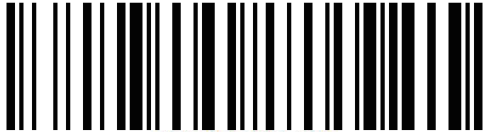## Keyboard Language
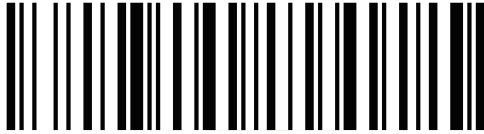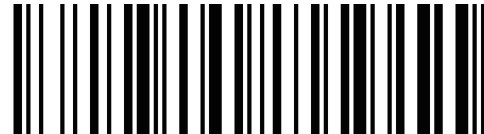
$LAN#EN
American Keyboard

$LAN#PT
Portugal Keyboard

$LAN#FR
French Keyboard

$LAN#ES
Spanish Keyboard

$LAN#GE
Germany Keyboard
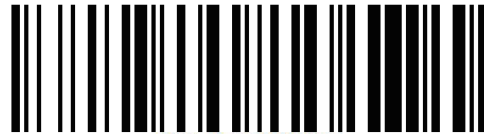
$LAN#TK
Turkey Q Keyboard

$LAN#IT
Italy Keyboard

Interval time between scanner power on and turn off

$RF#ST01
30S

$RF#ST02
60S

$RF#ST03
90S

$RF#ST04
120S

$RF#ST05
150S

$RF#ST06
180S

Common function Barcodes

Enable/Disable UPC-E

1000021
*Enable UPC-E

1000020
Disable UPC-E

Enable/Disable EAN-8

1000041
*Enable EAN-8

1000040
Disable EAN-8

Enable/Disable EAN-13

1000031
*Enable EAN-13

1000030
Disable EAN-13

Enable/Disable Bookland EAN(ISBN)

1000231
Enable Bookland EAN

1000230
*Disable Bookland EAN

Decode UPC/EAN Supplementals UPC/EAN

Supplementals are bar codes appended according to specific format conventions (e.g.UPC A+2, UPC E+2, EAN 13+2, EAN 13+5). The following options are available:

• Do not read supplementals – The scan engine can only read the barcode no matter the barcode with supplementals or not.

2010E00
*Ignore UPC/EAN with Supplementals

- Only read the barcode with supplementals- The scan engine can only read the barcode with supplementals.

2010E01

Decode UPC/EAN with Supplementals

- Auto read supplementals- The scan engine can not only read the barcode with supplementals,but also read the barcode without supplementals.

2010E02

Auto discriminate UPC/EAN Supplementals

Eable/Disable Code 128

1000101

*Enable Code 128

1000100

Disable Code 128

Enable/Disable Code 39

1000001

*Enable Code 39

1000000

Disable Code 39

Enable/Disable Code 39 Full ASCII

1020111

Enable Code 39 Full ASCII

1020110

*Disable Code 39 Full ASCII

NOTE Trioptic Code 39 and Code 39 Full ASCII cannot be enabled simultaneously. If you get an error beep when enabling Code 39 Full ASCII, disable Trioptic Code 39 and try again.

Enable/Disable Code 93

1000111
Enable Code 93

1000110
*Disable Code 93

Enable/Disable Code 11

1000121
Enable Code 11

1000120
* Disable Code 11

Enable/Disable Interleaved 2 of 5

1000061
*Enable Interleaved 2 of 5

1000060
Disable Interleaved 2 of 5

Enable/Disable Matrix 25

3030201
Enable Matrix 25

3030200
*Disable Matrix 25

Enable/Disable Codabar

1000071
Enable Codabar

1000070
Disable Codabar

Enable/Disable MSI

1000141
Enable MSI

1000140
*Disable MSI

Enable/Disable GS1 DataBar-14

1000351
Enable GS1 DataBar-14

1000350
*Disable GS1 DataBar-14

Enable/Disable GS1 DataBar Limited

1000361
Enable GS1 DataBar Limited

1000360
*Disable GS1 DataBar Limited

Enable/Disable GS1 DataBar Expanded

1000371
Enable GS1 DataBar Expanded

1000370
*Disable GS1 DataBar Expanded

Enable/Disable PDF417

1000170
Disable PDF417

1000171
*Enable PDF417

Enable/Disable QR

1003250
Disable QRCode

1003251
*Enable QRCode

Enable/Disable Data Matrix(DM)

1003240
Disable DataMatrix

1003241
*Enable DataMatrix

Setting Prefixes and Suffixes Via Serial Commands

To append a prefix and suffixes to the decode data:

1、 Set the Scan Data Transmission Format (parameter 0xE2) to the desired option.
2、 Enter the required value(s) for Prefix (0x69), Suffix1 (0x68) or Suffix2 (0x6A)
   using the hex values for the desired ASCII value from Table 4-3

Table 4-3 Character Equivalents (Continued)

Scan Value	Hex Value	Full ASCLL Code 39 Encode Char	Keystroke
1000	00h	%U	CTRL 2
1001	01h	$A	CTRL A
1002	02h	$B	CTRL B
1003	03h	$C	CTRL C
1004	04h	$D	CTRL D
1005	05h	$E	CTRL E
1006	06h	$F	CTRL F
1007	07h	$G	CTRL G
1008	08h	$H	CTRL H
1009	09h	$I	CTRL I
1010	0Ah	$J	CTRL J
1011	0Bh	$K	CTRL K
1012	0Ch	$L	CTRL L
1013	0Dh	$M	CTRL M
1014	0Eh	$N	CTRL N
1015	0Fh	$O	CTRL O
1016	10h	$P	CTRL P
1017	11h	$Q	CTRL Q
1018	12h	$R	CTRL R
1019	13h	$S	CTRL S
1020	14h	$T	CTRL T
1021	15h	$U	CTRL U
1022	16h	$V	CTRL V
1023	17h	$W	CTRL W
1024	18h	$X	CTRL X

Table 4-3 Character Equivalents (Continued)

Scan Value	Hex Value	Full ASCLL Code 39 Encode Char	Keystroke
1025	19h	$Y	CTRL Y
1026	1Ah	$Z	CTRL Z
1027	1Bh	%A	CTRL [
1028	1Ch	%B	CTRL \
1029	1Dh	%C	CTRL]
1030	1Eh	%D	CTRL 6
1031	1Fh	%E	CTRL -
1032	20h	Space	Space
1033	21h	/A	!
1034	22h	/B	'
1035	23h	/C	#
1036	24h	/D	$
1037	25h	/E	%
1038	26h	/F	&
1039	27h	/G	'
1040	28h	/H	(
1041	29h	/I	)
1042	2Ah	/J	*
1043	2Bh	/K	+
1044	2Ch	/L	,
1045	2Dh	-	-
1046	2Eh	.	.
1047	2Fh	/	/
1048	30h	0	0
1049	31h	1	1
1050	32h	2	2
1051	33h	3	3
1052	34h	4	4
1053	35h	5	5
1054	36h	6	6
1055	37h	7	7

Table 4-3 Character Equivalents (Continued)

Scan Value	Hex Value	Full ASCLL Code 39 Encode Char	Keystroke
1056	38h	8	8
1057	39h	9	9
1058	3Ah	/Z	:
1059	3Bh	%F	;
1060	3Ch	%G	<
1061	3Dh	%H	-
1062	3Eh	%I	>
1063	3Fh	%J	?
1064	40h	%V	@
1065	41h	A	A
1066	42h	B	B
1067	43h	C	C
1068	44h	D	D
1069	45h	E	E
1070	46h	F	F
1071	47h	G	G
1072	48h	H	H
1073	49h	I	I
1074	4Ah	J	J
1075	4Bh	K	K
1076	4Ch	L	L
1077	4Dh	M	M
1078	4Eh	N	N
1079	4Fh	O	O
1080	50h	P	P
1081	51h	Q	Q
1082	52h	R	R
1083	53h	S	S
1084	54h	T	T
1085	55h	U	U
1086	56h	V	V

Table 4-3 Character Equivalents (Continued)

Scan Value	Hex Value	Full ASCLL Code 39 Encode Char	Keystroke
1087	57h	W	W
1088	58h	X	X
1089	59h	Y	Y
1090	5Ah	Z	Z
1091	5Bh	%K	[
1092	5Ch	%I	\
1093	5Dh	%M	]
1094	5Eh	%N	^
1095	5Fh	%O	_
1096	60h	%W	‘
1097	61h	+A	a
1098	62h	+B	b
1099	63h	+C	c
1100	64h	+D	d
1101	65h	+E	e
1102	66h	+F	f
1103	67h	+G	g
1104	68h	+H	h
1105	69h	+I	i
1106	6Ah	+J	j
1107	6Bh	+K	k
1108	6Ch	+L	l
1109	6Dh	+M	m
1110	6Eh	+N	n
1111	6Fh	+O	o
1112	70h	+P	p
1113	71h	+Q	q
1114	72h	+R	r
1115	73h	+S	s
1116	74h	+T	t
1117	75h	+U	u

Table 4-3 Character Equivalents (Continued)

Scan Value	Hex Value	Full ASCLL Code 39 Encode Char	Keystroke
1118	76h	+V	v
1119	77h	+W	w
1120	78h	+X	x
1121	79h	+Y	y
1122	7Ah	+Z	z
1123	7Bh	%P	{
1124	7Ch	%Q	|
1125	7Dh	%R	}
1126	7Eh	%S	~
1127	7Fh		Undefined

Support

For any inquiries or comments concerning our products, please send an email to service@gzxlscan.com, and we will respond to you as soon as possible.

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