
32-bit Wired laser scanner

Quick Start Guide

Warm Tip: Do not discard this manual at will !!!

Contents

Scanning Mode Setting:	- 1 -
Anti white barcode:	- 2 -
Keyboard Language:	- 3 -
USB and USB com settings:	- 4 -
Configure Prefix or Suffix:	- 4 -
Hide the beginning/length and tail characters of the bar code:	- 5 -
Prefix and Suffix and Hidden Character Settings:.....	- 5 -
Data setting code:	- 6 -
Output formatting:	- 7 -
Ctrl +Key Set/Composite key settings.....	- 8 -
Terminator settings.....	- 8 -
EAN-13 and ISBN/ISSN Conversion settings	- 9 -
EAN-8.....	- 10 -
UPC-E	- 11 -
CODE 128.....	- 12 -
CODE 39.....	- 12 -
Code 93.....	- 13 -
Interleaved 2 of 5	- 13 -
Industrial 2 of 5	- 13 -
Codabar.....	- 14 -
Code 11.....	- 14 -
MSI/Plessey.....	- 14 -
UK/Plessey.....	- 14 -
GS1 DataBar.....	- 15 -
GS1 DataBar Limited	- 15 -
GS1 DataBar Expanded	- 16 -
Appendix:.....	- 17 -

Scanning Mode Setting:

Manual mode: press the key, the scanner emits the laser and starts decoding. After decoding, the scanner automatically turns off the laser and sends a prompt signal.



*Manual mode

Press Scanning Mode: It can continue scan barcode when the button is continuing pressed.



Press Scanning Mode

Click Scanning Mode: When the button is click, the scanner will keep scanning the barcode until the barcode is reader or the Stand-by duration elapsed.



Click Scanning Mode

Continuous scanning mode: the laser of the scanner is always on.



Continuous scanning mode

Anti white barcode :

At present, the reading function of anti white bar code only supports some specific coding system.



Enable anti white barcode reading



Turn off anti white barcode reading*

Keyboard Language:

Follow below instructions to configure the keyboard language before you use it.

For example:

If you use French Keyboard, scan barcode of “ French Keyboard”. Locate the cursor

on the place where you want to output the data then you can start to scan.

American Keyboard is set by default, if you use a US keyboard you can just ignore it.



*US



France



Germany



Italy



Portugal



Spain



Turkey Q



UK

*For more language settings, please contact the vendor for the full electronic version.

USB and USB com settings:

Virtual serial port function, scanning gun is set by scanning the following barcode:



*USB keyboard



USB virtual serial port

Note: when setting *USB virtual serial port*, the driver of corresponding product model needs to be installed, please contact the dealer for request.

Configure Prefix or Suffix :

1. If the output of prefix and suffix is not turned on, the output of prefix and suffix can be turned on by setting the output format.
2. Adding the prefix and suffix action is added after the prefix and suffix previously set. If you have set the prefix and suffix before you want to give up the previous content and reset it, please scan "Clear the prefix/suffix" first, and then do the following adding action.
3. Scanning adds prefix or suffix bar code;
4. Determine the two hexadecimal values of prefixes and suffixes that need to be added.
5. Scanning data setting code: Scanning hexadecimal high-bit values, then scanning low-bit values;
6. Repeat steps 4 and 5 to add the next character.

Hide the beginning/length and tail characters of the bar code:

1. Scanning and hiding the beginning/length and tail characters of the first and middle parts to set barcodes;
2. Scanning the two hexadecimal values of the length of the characters to be hidden (for example, to hide four characters, scan \$NO# 0, \$NO# 4; to hide 12 characters, scan \$NO# 0, \$NO# C);
3. Scanning data setting code: Scanning hexadecimal high-bit values, then scanning low-bit values;
4. Setting output format to open or clear hidden characters.

Prefix and Suffix and Hidden Character Settings:

20 prefixes and/or 20 suffixes can be attached to scanned data for data editing. By scanning a two-digit hexadecimal number (that is, two barcodes) setting, it corresponds to the ASCII value.



Add prefix



Adding suffixes



Clear prefix



Clear suffixes



Number of Hidden Bar Code
Header Characters



Hide the beginning bit of the
character in the middle of the
bar code



Number of Characters in
Hidden Barcode



Number of characters at the
end of hidden barcode

Be careful:

Hiding intermediate characters requires three steps:

*Step1: Sweep "Hide the beginning bit of the middle character of the barcode"
(from which bit to hide) +\$NO # 0 + NO? (1)*

*Step2: Sweep "Number of Characters in Hidden Bar Code" Bar Code (Hidden
How many bits)*

+\$NO #0+\$NO?

Step3: Sweep "Allow Hiding the Middle Content of Bar Code" Bar Code

Data setting code:

Parameters require exact values, and scan the digital setting code to be set.



\$NO#0



\$NO#1



\$NO#2



\$NO#3



\$NO#4



\$NO#5



\$NO#6



\$NO#7



\$NO#8



\$NO#9



\$NO#A



\$NO#B



\$NO#C



\$NO#D



\$NO#E



\$NO#F

Output formatting:

Scan the corresponding barcode below to set the desired data transmission format.



*Clear format



Allow suffix output



Allow prefix output



Allow hiding of barcode headers



Allow concealment of the middle part of the barcode



Allow hiding of barcode tail content

Ctrl +Key Set/ Composite key settings



* Combination key closure



Combination bond enabling

Terminator settings



* CR *



CR + CR



None

EAN-13 and ISBN/ISSN Conversion settings

Enable/Disable EAN-13:



Enable EAN



Disable EAN

EAN-13 Check Digit Verification :



Enable EAN-13 Check Digit Verification *



Disable EAN-13 Check Digit Verification

EAN-13 Check Digit Transmission :



Transmit EAN 13 Check Digit*



Do Not Transmit EAN-13 Check Digit

Supplement Digits :



2 Digits



5 Digits



2 Digits or 5 Digits



None*

EAN13 to ISBN / ISSN :



Enable



Disable*

EAN-8

Enable/Disable EAN-8



Enable*



Disable

EAN-8 Check Digit Verification :



Enable*



Disable

EAN-8 Check Digit Transmission :



Transmit EAN 8 Check Digit L*



Do Not Transmit EAN 8 Check Digit

Supplement Digits :



2 Digits



5 Digits



2 Digits or 5 Digits



None*

UPC-E

Enable/Disable UPC-E



Enable*



Disable

UPC-E Check Digit Verification :



Enable*



Disable

UPC-E Check Digit Transmission:



Transmit UPC E Check Digit *



Do Not Transmit UPC E Check Digit

Supplement Digits :



2 Digits



5 Digits



2 Digits or 5 Digits



None*

CODE 128

Enable/Disable CODE 128:



Enable*



Disable

128 Check Digit Verification :



Enable*



Disable

128 Check Digit Transmission :



Transmit Code 128 Check Digit *



Do Not Transmit Code 128 Check Digit

CODE 39

Enable/Disable Code 39



Enable*



Disable

39 Check Digit Verification :



Enable



Disable*

39 Check Digit Verification :



Enable



Disable*

Code 93

Enable/Disable Code 930:



Enable*



Disable

Code 93 Full ASCII Conversion :



ASCII



ASCII *

Interleaved 2 of 5

Enable/Disable Format of Interleaved :



Enable*



Disable

Industrial 2 of 5

Enable/Disable Industrial 2 of 5:



Enable*



Disable

Codabar

Enable/Disable Codabar :



Enable*



Disable

Codabar Check Digit Verification :



Enable*



Disable

Code 11

Enable/Disable Code 11 :



Enable



Disable

MSI/Plessey

Enable/Disable MSI/Plessey :



Enable*



Disable

UK/Plessey

Enable/Disable UK /Plessey :



Enable*



Disable

UK/Plessey Check Digit Verification :



Enable*



Disable

Code 11

Enable/Disable Code 11 :



Enable*



Disable

Conversion :



Convert GS1 DataBar to UCC/EAN128



Convert GS1 DataBar to UPC-A
or EAN-13



Disable Conversion *

GS1 DataBar Limited

Enable/Disable GS1 DataBar Limited:



Enable*



Disable

Conversion:



ConvertGS1DataBar to UCC/EAN128



Convert GS1 DataBar to UPC-A
or EAN-13



Disable Conversion *

GS1 DataBar Expanded

Enable/Disable GS1 DataBar Expanded:



Enable*



Disable



Convert GS1 DataBar to UCC/EAN 128



Disable Conversion *

Appendix:

surface 1、Combination Key-Function Key Contrast Table

HEX	*Ctrl OFF ASC II	Ctrl ON	HEX	*Ctrl OFF ASC II	Ctrl ON
00H	NUL	Ctrl+2	10H	NUL	Ctrl+P
01H	NUL	Ctrl+A	11H	NUL	Ctrl+Q
02H	NUL	Ctrl+B	12H	NUL	Ctrl+R
03H	NUL	Ctrl+C	13H	NUL	Ctrl+S
04H	NUL	Ctrl+D	14H	NUL	Ctrl+T
05H	NUL	Ctrl+E	15H	NUL	Ctrl+U
06H	NUL	Ctrl+F	16H	NUL	Ctrl+V
07H	NUL	Ctrl+G	17H	NUL	Ctrl+W
08H	BS	BS	18H	NUL	Ctrl+X
09H	HT	HT	19H	NUL	Ctrl+Y
0AH	LF	LF	1AH	NUL	Ctrl+Z
0BH	NUL	Ctrl+K	1BH	ESC	ESC
0CH	NUL	Ctrl+L	1CH	NUL	Ctrl+\
0DH	CR	CR	1DH	NUL	Ctrl+]]
0EH	NUL	Ctrl+N	1EH	NUL	Ctrl+6
0FH	NUL	Ctrl+O	1FH	NUL	Ctrl+-

surface 2 : ASCII Character Equivalents

HEX	ASC II	HEX	ASC II	HEX	ASC II	HEX	ASC II
20H	Space	30H	0	40H	@	50H	P
21H	!	31H	1	41H	A	51H	Q
22H	"	32H	2	42H	B	52H	R
23H	#	33H	3	43H	C	53H	S
24H	\$	34H	4	44H	D	54H	T
25H	%	35H	5	45H	E	55H	U
26H	&	36H	6	46H	F	56H	V
27H	'	37H	7	47H	G	57H	W
28H	(	38H	8	48H	H	58H	X
29H	)	39H	9	49H	I	59H	Y
2AH	*	3AH	:	4AH	J	5AH	Z
2BH	+	3BH	;	4BH	K	5BH	[
2CH	,	3CH	<	4CH	L	5CH	\
2DH	-	3DH	=	4DH	M	5DH]
2EH	.	3EH	>	4EH	N	5EH	^
2FH	/	3FH	?	4FH	O	5FH	_
60H	`	70H	p	80H	F1	90H	End
61H	a	71H	q	81H	F2	91H	Page Down
62H	b	72H	r	82H	F3	92H	Right Arrow

surface 2 : ASCII Character Equivalents(Continued)

HEX	ASCII	HEX	ASCII	HEX	Fun Key	HEX	Fun Key
63H	c	73H	s	83H	F4	93H	Left Arrow
64H	d	74H	t	84H	F5	94H	Down Arrow
65H	e	75H	u	85H	F6	95H	Up Arrow
66H	f	76H	v	86H	F7	96H	Print Screen
67H	g	77H	w	87H	F8	97H	*Ctrl
68H	h	78H	x	88H	F9	98H	*Shift
69H	i	79H	y	89H	F10	99H	*Left Alt
6AH	j	7AH	z	8AH	F11	9AH	*Right Alt
6BH	k	7BH	{	8BH	F12		
6CH	l	7CH	|	8CH	Insert		
6DH	m	7DH	}	8DH	Home		
6EH	n	7EH	~	8EH	Page Up		
6FH	o	7FH	DEL	8FH	Delete		

Warranty card

Dear Customer:

Thank you for purchasing our products, please keep this card in good condition and present it when you claim for warranty!

Warranty Card:

User Name:	Tel:	Distributor Stamp	Distributor Name:
Model Number:	Serial No:		Distributor Tel:
Purchase Date:			Distributor Add:

Limited Warranty:

1. Netum warrants this product against defects in material and workmanship, under normal use and service, for one (1) year from the date of purchase.
2. During the warranty period, Netum will, at its option, repair or replace the defective product at no charge provided that you deliver the product to Netum service center.
3. Buyer is responsible for shipment of the product to Netum and assumes all costs and risks associated with this transportation. Return shipment to Buyer will be at Netum's expense. Buyer shall be responsible for return shipment charges for product(s) returned where Netum determines that there is no defect or where Netum determines that the product is not eligible for warranty repair or replacement.

What May Void the Warranty:

This Limited Warranty may be null and void in the following circumstances:

1. Misuse, neglect, accidental damage, unauthorized repair, or tampering of any product by the end user or any third party;
2. Improper installation or failure to conduct regular maintenance or cleaning of any product by the end user or any third party;
3. Failure of the end user or any third party to exercise caution to protect any covered product or part from electrostatic discharge damage, adverse temperature and humidity conditions.
4. Incompatibility is not a defect covered by the Netum warranty.