Manual

Official User Manual

WNI-6710g 2D scanner

User Guide

Content

1: Getting Start

About the manual

This user manual includes code settings, function settings (Illumination, keyboard type and restoring factory settings, etc.) and interface settings. If you need to change the function you need, scan the configuration according to the configuration code below. All barcodes marked with (*) denote default factory settings.

Recall default

000001

Recall Default

000095

Read the Version Number

Interface type setting

Identify the scanner as USB keyboard, should scan the "USB keyboard" bar code.

Under the environment of application software requiring serial port, USB can be recognized as USB COM type which requires user to install driver.

004001

USB Keyboard

004002

USB COM

2:Function mode setting

About function mode setting

This chapter can configure the function mode of the device, including working mode (such as image brightness reverse, aimer setting, illumination configuration, LED indicator setting and speaker setting, etc.) You only need to scan the corresponding configuration code in turn according to the instructions.

Working mode

816552

***Manual trigger mode**

816550

Auto Scanning mode

The sensitivity of automatic scanning mode is 15 levels, 1 is the highest and 15 is the lowest. 49859X，X represent the sensitivity grade（498591-4985915）

498591

498594

Same Bar Code Interval Time Settings in Auto Scanning Mode.

The same barcode interval time can be set to 1-127 (minimum 1, maximum 127)

When making configuration bar code, add "^ 3" character before it, such as ^ 37EFD6X (X means the same bar code interval time, 1 means 50ms, 127 means the same bar code interval time is 127 * 50ms), Configuration barcode should be code 128 type.

81029X, (810291 -81029127)

50ms

100ms

150ms

200ms

250ms

300ms

Barcode type On/Off


000102

All types On


000103

All types Off


000104

All 1D barcode types On


000105

All 1D barcode types Off


000106

All 2D barcode types On


000107

All 2D barcode types Off

QR mirror image


592781

Enable


592780

***Disable**

KOREA_POST


508861

Enable

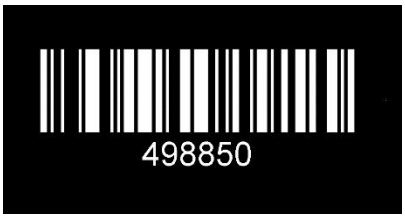

508860

***Disable**

Black and white reverse


498851

Black & white reverse on


498850

*** Black & white reverse off**

LED settings

499881

***Aimer enable**

499880

Aimer disable

499871

***Light enable**

499870

Light disable

499760

***Led light is normal**

499761

Led Indicator is reverse

499762

Led light stays off

499763

Led light stays on

Vibrator setting

578891

***Turn on**

578890

Turn off

Speaker setting

499820

***Turn on the speaker**

499821

Turn off the speaker

Duration of the horn

815850

***Normal**

815851

very brief

Speaker frequency setting

814647

2.7KHz

814646

1.6KHz

814645

***2.0KHz**

814644

2.4KHz

814643

3.1KHz

814642

3.5KHz

814641

4.2KHz

814640

No speak

test mode

After being configured in test mode, the device automatically triggers decoding every second.


000003

Configured in blink test mode


000002

***Cancel blink test mode**

Multi-level illumination setting


523690

Level 1


523691

Level 2


523692

***level 3**

Timeout setting

4951920

30s

4951940

60s

4951980

120s

49519120

180s

49519160

240s

49519200

Interface setting

RS232 interface


004000

RS232 baud rate


841590

300


841591

600


841593

2400


841594

4800

841595
9600

841597
19200

841598
38400

841599
57600

8415910
***115200**

Data bits

839860

7 bits

839861

*8 bits

Stop bits

839850

2 bits

839851

***1 bits**

Check bit setting

839640

O

839641

S

839642

E

839643

M

839644

***N**

3:Output setting

About output setting

This chapter can configure the output of the barcode scanner, including carriage return/line feed, adding prefix/suffix, setting bar code length, removing barcode digits (start/end removal) and multi-national keyboard switching settings.
You only need to scan the corresponding configuration codes in turn according to the instruction.

Carriage return/Line feed setting


833861
Add carriage return


833860
Remove carriage return


833871
Add line feed


833870
Remove Line feed

Serial output settings

593752

Serial output utf-8

593751

Serial output GBK

593750

***Serial output according to barcode content**

ECI Output settings

536821

Output ECI information

536820

***Not output ECI information**

Strip barcode from start/end

Remove the number of digits from the barcode "^349719X" (X is the number of digits to be removed, the last 1 means to remove one digit, if it is 2, remove two digits, if it is 0, it is not removed normally, and the user can configure it by himself)

Remove 1 bit of barcode from the beginning

Remove the number of digits from the barcode "^349719X" (X is the number of digits to be removed, the last 1 means to remove one digit, if it is 2, remove two digits, if it is 0, it is not removed normally, and the user can configure it by himself)

Remove 1 bit of barcode from the end

Reserved x bits of data "^349619X" (X is the reserved number of bits, the last 1 represents one reserved bit, if two reserved for 2, the user can configure it by himself)

Reserved 1 bit

***Reserved header (default)**

Reserved tail

Set barcode length

Barcode length can be set to 1-255 (The Min length is 1, Max length is 255)

When making the configuration barcode, add "^3" characters in front, such as: ^398119X (X represents the length of the barcode), select code 128

The length is 1

The length is 255

Barcode length lock

Add-on code setting


987821

Enable 2 bits add-on code


987820

***Disable 2 bits add-on code**


987831

Enable 5 bits add-on code


987830

***Disable 5 bits add-on code**


987861

Add-on code must have UPC/EAN


987860

*** Add-on code must have off (UPC/EAN)**

Keyboard mode output Chinese

USB keyboard mode could output Chinese Characters, scan the corresponding configuration code as below to set the Chinese output. (The default status is no Chinese, and can be swiched into other languages)

598690

***default**

598691

Enable use in word ,disable use in excel,notepad

598692

Disable use in notepad、excel,disable use in word

Output invisible characters under the keyboard

579821

Output invisible characters under the keyboard

579820

***Not output invisible characters under the keyboard**

Character settings under the keyboard

534792

Characters under the keyboard are displayed in hexadecimal format x

534790

***Characters under keyboard are displayed in normal format**

534791

Output in binary format under keyboard

Transfer Chinese in LINUX

509821

Enable

509820

***Disable**

GS barcode output in AI format

531791

Enable

531790

***Disable**

CODE32 output character 'A'

534841

Enable

534840

***Disable**

Remove English alphabet characters from barcode

508891

Enable

508890

***Disable**

Keyboard language for country type


596190
Belgium


596191
England


596192
France


596193
Germany


596194
Italy


596195
Spain


596196
American


596198
Singapore


5961917

El Salvador


5961910

Japan


5961911

Sierra Leone


5961912

Turkey


5961913

Russia


5961914

Hungary


5961915

Russian


5961916

Thailand

5961928

Vietnamese

5961921

Czekh QWERTY

5961922

Czekh QWERTZ

5961923

Slovakia QWERTY

5961924

Russian PYC

5961925

Cyrillic

5961926

Arabic

5961927

Portuguese

German (Switzerland)

Italy 142

French (Switzerland) QWERTZ

Portuguese

Hebrew QWERTY

Polish programmer keyboard

Dutch

Simulation keyboard

You may need to type your characters in the form of ASCII code. At this time, you can configure the corresponding configuration code as required to simulate the keyboard.

595891

Alt code mode on

595890

Alt code mode off

595881

Turn on the simulation keyboard front zero

595880

Turn off the simulation keyboard front zero

Case switch

597791

All lower case

597792

All capital

597790

Restore default

GS character replacement

536590

GS characters are not replaced

536591

GS characters are replaced with |

536592

GS characters are replaced with Ç

536593

GS characters are replaced with]

536594

GS characters are replaced with ^]

536595

GS characters are replaced with <GS>

536596

GS characters are replaced with (GS)

536597

GS characters are replaced with ‘GS’

536598

GS characters are replaced with `GS`

536599

GS characters are replaced with GS

5365910

GS characters are replaced with ?

5365911

GS characters are replaced with *

5365912

GS characters are replaced with [GS]

5365913

GS characters are replaced with <0x1D>

4: Barcode types setting

About barcode types

This chapter is about the configuration of barcode types for scanners, including UPC/EAN, Codabar code, Code39, Full ASCII Code39, Interleaved 2 of 5, Code93, UPC-A, GS1 DataBar Omnidirectional, GS1 DataBar Expanded, PDF 117, QR Code, Hong 2 of 5 (post) and Airline 2 of 5 and other supporting bar code configurations, scan the corresponding configuration barcode in turn according to the instructions. All barcodes marked with (*) denote default factory settings.

Barcode configuration

1. Airline 2 of 5

999851
Enable

999850
***Disable**

2. Aztec Code

993891
Enable

993890
***Disable**

993881
Black & White reversed Aztec enable

993880
*** Black & White reversed Aztec disable**

508821

Turn on Aztec image

508820

***Turn off Aztec image**

3. AU Postal Code

509891

Enable

509890

***Disable**

4. Codabar

998851

***Enable**

998850

Disable

610770

***Not parity**

610771

Turn on parity


922820

***Do not output initiate and ending characters**


610772

Turn on parity and transmit parity character


922821

Output initiate and ending characters


577730

*** No read Black&White reverse code**


577731

Read the Black&White reverse code

5. Codablock A


735891

Enable


735890

***Disable**

6. Codablock F

735881

Enable

735880

D

isable

7. Code 128

998861

***Enable**

998860

Disable

578740

*** No read Black&White reverse code**

578741

Read the Black&White reverse code

531871

Turn on the narrow quiet zone

531870

Turn off narrow quiet zone

8. Code 11


999861

Enable


999860

***Disable**


919840

***1-bit parity**


919841

2-bits parity


922861

Transmit check bit


922860

***Not transmit check bit**

9. Code 32

997841

Enable

997840

***Disable**

10. Code 39

998881

***Enable**

998880

Disable

609792

Turn on the parity

609790

***Not parity**


609791

Turn on the parity and output the parity character


609871

Output initiate and ending characters


609870

***Not output initiate and ending characters**


577770

***No read Black&White reverse code**


577771

Read the Black&White reverse code

11. Code93


998871

Enable


998870

***Disable**


577790

***No read Black&White reverse code**


577791

Read the Black&White reverse code

12.Composite


599891

Enable


599890

***Disable**

13. Data Matrix Code

994861

***Enable**

994860

Disable

994871

Enable reverse color dm code

994870

***Disable reverse color dm code**

531861

Data Matrix no locator was turned on

531860

***Data Matrix no locator was turned off**

580821

Data Matrix enable image

580820

***Data Matrix disable image**

14. EAN/UPC


998831

***Enable**


998830

Disable


532790

***No read Black&White reverse code**


532791

Read the Black&White reverse code


532792

Read the Black reverse code

15. EAN-8

997851

***Enable**

997850

Disable

920891

***Output EAN-8 parity bit**

920890

Not output EAN-8 parity bit

924871

EAN-8 convert to EAN-13

924870

*** Prohibit EAN-8 convert to EAN-13**

16. EAN-13

997881

***Enable**

997880

Disable

920871

***Output EAN-13parity bit**

920870

Not output EAN-13parity bit

17. ENG Postal Code

509841

Enable

509840

***Disable**

18. Full ASCII Code39

997821

Enable

997820

***Disable**

19. GS1 DataBar Expanded

995841

Enable

995840

***Disable**

20. GS1 DataBar Limited

995851

Enable

995850

***Disable**

21. GS1 DataBar Omnidirectional


995861

Enable


995860

***Disable**

22. HANXIN


726881

Enable


726880

***Disable**

23. Hong Kong 2 of 5(China post)


996831

Enable


996830

***Disable**

Notice: When reading a postal, all other postal need close.

24. Interleaved 2 of 5


998841

Enable


998840

***Disable**


610792

Turn on the parity


610790

***Not parity**


610791

Turn on parity and output the parity character


577750

***No read Black&White reverse code**


577751

Read the Black&White reverse code

25. JP Postal Code

Enable

***Disable**

26. KIX Postal Code

Enable

***Disable**

27. Matrix 2 of 5

Enable

***Disable**

Turn on Matrix 2 of 5 parity bit

***Turn off Matrix 2 of 5parity bit**

OutputMatrix 2 of 5parity bit

***Not output Matrix 2 of 5 parity bits**

28. Maxicode

Enable

***Disable**

29. MicroPDF417


995821

Enable


995820

***Disable**

30. Micro QR Code


993841

Enable


993840

***Disable**


993831

Enable reserve micro QR


993830

***Disable reserve micro QR**

31. MSI

997871

Enable

997870

***Disable**

535650

***Single parity module 10 output parity bit**

535651

Single parity module10

535652

Double parity module10 not output parity bit

535653

Double parity module 10/module 10

535654

Double parity module 10/module 11not output parity bit

535655

Double parity module 10/module 11

535656

Not parity

32. PDF417

999891

Enable

999890

***Disable**

572790

***No read Black&White reverse code**

572791

Read the Black&White reverse code

33. Pharma Code


508881

Enable


508880

***Disable**

34. PLANET Code


509861

Enable


509860

***Disable**

35. POSTNET Code


509851

Enable


509850

***Disable**

36. QR Code


993871

***Enable**


993870

Disable


993861

Enable reverse color QR


993860

*** Disable reverse color QR**


591890

***Turn on website QR code**


591891

Turn off website QR code

Turn on chain QR

***Turn off chain QR**

Enable QR image

***Disable QR image**

37. Royal Infomail Code

Enable

***Disable**

38. Straight 2 of 5 Industrial

Enable

***Disable**

39. Telepen

Enable

***Disable**

40. Trioptic Code

Enable

***Disable**

41. UPC-A

997831

***Enable**

997830

Disable

924821

***UPC-A output parity bit**

924820

UPC-A not output parity bit

924881

***Output UPC-A number system characters**

924880

Not output UPC-Anumber system characters

924851

UPC-A convert to EAN-13

924850

***UPC-Anot convert to EAN-13**

42. UPC-E

997891

***Enable**

997890

Disable

924830

***UPC-E not output parity bit**

924831

UPC-E output parity bit

924860

***UPC-E not output initiate character**

924861

UPC-E output initiate character

924841

UPC-E expand to 12 bits

924840

***Disable UPC-E expand to12 bits**

43. UPU Postal Code

509831

Enable

509830

***Disable**

5: Special function setting

About special function setting

This chapter enumerates some configuration examples of equipment use, specifies the configuration method of special functions, which is convenient for users to operate the scanner. The configuration of special functions could be setting by scanning the corresponding configuration barcodes in turn according to the instruction.

Interleaved 2 of 5 suffix setting

Prefix

595821

Turn on

595820

Turn off

Suffix

833821

Turn on

833820

Turn off

Invoice information barcode setting

Scan the following configuration barcodes in turn:

598692

For MS Notebook and Excel, not for MS Word

593861

Turn on

593860

Turn off

Configure not to output the first 10 characters

If you need to scan, the barcode value is（1234567890ABCDEFGHIJKLMN）
Scan the following configuration codes in turn：

Output result：ABCDEFGHIJKLMN

Show all information：

Output result：1234567890ABCDEFGHIJKLMN

Web page Chinese input settings
Scan from top to bottom:

Factory settings

Utf-8 code Enable use in Word,disable use in Notebook、Excel)

833860

Cancel Enter

833870

Cancel newline

Suffix with # (the following is the configuration plus # configuration)

000000

954090

O

3

5

000000

Program mode

Barcode length locking configuration(Length lock for up to 6 barcode types supported)

Add a length locking configuration process for a single bar code type:

Example 1

Lock the code 128 type length to 10 digits. Look-up the barcode types table, the code 128 number is 083.

1. Scan the "enter/exit the program mode" setting code, enter the program mode
2. Scan the "setting the barcode length – type 1" code
3. Scan the byte code "0","1","0" in turn
4. Scan the "setting the barcode types" code
5. Scan the byte code "0","8","3" in turn
6. Scan the "enter/exit the program mode" setting code, exit the program mode

Add length locking for 2 different barcode types:

Example 2

1. Scan the "enter/exit the program mode" setting code, enter the program mode
2. Scan the "setting the barcode length – type 1" code for barcode type 1
3. Scan the 3 byte-codes in turn
4. Scan the "setting the barcode types – type 1" code for barcode type 1
5. Scan the 3 byte-codes in turn
6. Scan the "setting the barcode length – type 2" code for barcode type 2
7. Scan the 3 byte-codes in turn
8. Scan the "setting the barcode types – type 2" code for barcode type 2
9. Scan the 3 byte-codes in turn
10. Scan the "enter/exit the program mode" setting code, exit the program mode

Enter/Exit the program mode

Setting the barcode length – type 1

Setting the barcode length – type 1

Setting the barcode length – type 2


976090

Setting the barcode length – type 2


975090

Setting the barcode length – type 3


974090

Setting the barcode length – type 3


973090

Setting the barcode length – type 4


972090

Setting the barcode length – type 4


971090

Setting the barcode length – type 5


970090

Setting the barcode length – type 5

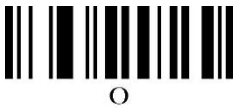

969090

Setting the barcode length – type 6


968090

Setting the barcode length – type 6

Bytecode value (decimal)



Barcode Type Table

Barcode No.	Barcode type
002	UPC-E
003	EAN-8
004	UPC-A
005	EAN-13
080	CODE 39
081	CODABAR
082	INTERLEAVED 2 OF 5
083	CODE 128
084	CODE 93
091	MSI
092	CODE 11
093	AIRLINE 2 OF 5
094	MATRIX 2 OF 5
095	TELEPEN
096	UK PLESSEY
097	AIRLINE(13 DIGITS)
098	STANDARD 2 OF 5
099	TRIOPTIC
101	RSS14
102	RSS LIMIT
103	RSS EXT
104	PDF417
105	MICRO PDF417
106	DATA MATRIX
107	AZTEC
108	QR
109	MAXICODE

Add prefix/suffix (maximum 10 characters)

Process to add prefix:

Example 1, add a 1-byte prefix and the character is "(" , the ASCII code decimal number is 040.

1. Scan the "enter/exit the program mode" setting code, enter the program mode
2. Scan the "byte 1 prefix setting" barcode
3. Scan the byte-code "0" ," 4" ," 0"
4. Scan the "enter/exit the program mode"

Process to add suffix:

Example 2, add a 1-byte suffix and the character is ")" , the ASCII code decimal number is 041.

1. Scan the "enter/exit the program mode" setting code, enter the program mode
2. Scan the "byte 1 suffix setting" barcode
3. Scan the byte-code "0" ," 4" ," 1"
4. Scan the "enter/exit the program mode"

Process to add multiple prefix:

Example 3, add multiple prefix

1. Scan "Enter/Exit Programming Mode" to make the device enter the programming mode.
2. Scan "Configure prefix 1st byte".
3. Scan the first bytecode value in turn.
4. Scan "Configure prefix 2 bytes".
5. Scan the second bytecode value in turn.
6. Repeat 4,5, steps...
7. Swipe "Enter/Exit programming Mode".

Add a suffix of multiple bytes:

Similar to adding multiple prefixes.

Clear all prefixes:

Scan the "Clear All Prefixes" barcode.

Clear all suffixes:

Scan the "Clear All Prefixes" barcode.

Enter/Exit the program mode

Byte 1 prefix setting

Byte 2 prefix setting

962090

Byte 3 prefix setting

961090

Byte 4 prefix setting

960090

Byte 5 prefix setting

959090

Byte 6 prefix setting

958090

Byte 7 prefix setting

957090

Byte 8 prefix setting

956090

Byte 9 prefix setting

955090

Byte 9 prefix setting

Cancel all prefixes

Byte 1suffix setting

Byte 2 suffix setting

Byte 3 suffix setting

Byte 4 suffix setting

Byte 5 suffix setting

Byte 6 suffix setting

Byte 7 suffix setting

Byte 8 suffix setting

Byte 9 suffix setting

Byte 10 suffix setting

Delete all suffix

Appendix: ASCII List

Decimal number	Character	Decimal number	Character	Decimal number	Character	Decimal number	Character
000	NUL	032	SP	064	@	096	‘
001	SOH	033	!	065	A	097	a
002	STX	034	"	066	B	098	b
003	ETX	035	#	067	C	099	c
004	EOT	036	$	068	D	100	d
005	ENQ	037	%	069	E	101	e
006	ACK	038	&	070	F	102	f
007	BEL	039	`	071	G	103	g
008	BS	040	(	072	H	104	h
009	HT	041	)	073	I	105	i
010	LF	042	*	074	J	106	j
011	VT	043	+	075	K	107	k
012	FF	044	,	076	L	108	l
013	CR	045	—	077	M	109	m
014	SOH	046	.	078	N	110	n
015	SI	047	/	079	O	111	o
016	DLE	048	0	080	P	112	p
017	DC1	049	1	081	Q	113	q
018	DC2	050	2	082	R	114	r
019	DC3	051	3	083	S	115	s
020	DC4	052	4	084	T	116	t
021	NAK	053	5	085	U	117	u
022	SYN	054	6	086	V	118	v
023	ETB	055	7	087	W	119	w
024	CAN	056	8	088	X	120	x
025	EM	057	9	089	Y	121	y
026	SUB	058	:	090	Z	122	z
027	ESC	059	;	091	[	123	{
028	FS	060	<	092	\	124	|
029	GS	061	=	093	]	125	}
030	RS	062	>	094	^	126	~
031	US	063	?	095	_	127	DEL

ASCII extended （CP-1252 ）

Decimal number	Character	Decimal number	Character	Decimal number	Character	Decimal number	Character
128	€	160		192	À	224	à
129		161	¡	193	Á	225	á
130	‚	162	¢	194	Â	226	â
131	ƒ	163	£	195	Ã	227	ã
132	„	164	¤	196	Ä	228	ä
133	…	165	¥	197	Å	229	å
134	†	166	¦	198	Æ	230	æ

135	‡	167	§	199	Ç	231	ç
136	ˆ	168	¨	200	È	232	è
137	‰	169	©	201	É	233	é
138	Š	170	ª	202	Ê	234	ê
139	‹	171	«	203	Ë	235	ë
140	Œ	172	¬	204	Ì	236	ì
141		173		205	Í	237	í
142	Ž	174	®	206	Î	238	î
143		175	¯	207	Ï	239	ï
144		176	°	208	Ð	240	ð
145	‘	177	±	209	Ñ	241	ñ
146	’	178	²	210	Ò	242	ò
147	“	179	³	211	Ó	243	ó
148	”	180	´	212	Ô	244	ô
149	·	181	µ	213	Õ	245	õ
150	–	182	¶	214	Ö	246	ö
151	—	183	·	215	×	247	÷
152	˜	184	¸	216	Ø	248	ø
153	™	185	¹	217	Ù	249	ù
154	š	186	º	218	Ú	250	ú
155	›	187	»	219	Û	251	û
156	œ	188	¼	220	Ü	252	ü
157		189	½	221	Ý	253	ý
158	ž	190	¾	222	Þ	254	þ
159	Ÿ	191	¿	223	ß	255	ÿ