

WNI-6710g

Setting Manual

User Guide

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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)



810291

50ms



810292

100ms



810293

150ms



810294

200ms



810295

250ms



810296

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



579891

Enable



579890

***disable**

DATAMATRIX mirror image



580821

Enable



580820

***disable**

Mirror image for all types of barcode



592781

Enable



592780

***Disable**

Black and white reverse



498851

Black & white reverse on



498850

*** Black & white reverse off**

LED settings



499881

***Aimer enable**



499880

Aimer disable



499871

***Illumination enable**



499870

Illumination disable



499760

***Led indicator on**



499761

Led indicator reverse



499762

Led indicator off



499763

Led indicator keep lighting up

Beeper setting



499820

***Beeper on**



499821

Beeper off

Beeper duration



815850

Normal



815851



814647

2.7KHz



814646

1.6KHz



814645

2.0KHz



814644

2.4KHz



814643

3.1KHz



814642

3.5KHz



814641

4.2KHz



814640

No Beep

Testing mode

Once configured in blink test mode, the device automatically triggers decoding every second.



000003

blink test mode on



000002

***blink test mode off**

Standby mode setting

When making configuration barcode, add "^ 3" character before the digital command, such as ^352419X (X means standby time), and the configuration barcode should be code128 type.



Multi-level illumination setting



Timeout setting





4951980

120s



49519120

180s



49519160

240s



49519200

300s

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



Stop bits



Check bit setting





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

Remove digits setting



497191
Remove from start



577191
Remove from end

Remove the number of digits (the last number of setting barcode represents the number of digits user wants to remove)



497191
^349719X (X represents the numbers of digits should be removed)

Barcode length setting

The length of barcode could be set from 1 to 255 (minimum length is 1 and maximum length is 255).

When making configuration barcode, add "^ 3" character before the digit command, such as ^398119X (X indicates the length of bar code), the configuration barcode should be code128 type.



981191
Length 1



98119255
Length 255



981190
Barcode length lock

Add-on code setting



987821

Enable 2 digits add-on code



987820

*** Disable 2 digits add-on code**



987831

Enable 5 digits add-on code



987830

*** Disable 5 digits add-on code**



987861

Add-on code must have(UPC/EAN)



987860

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

Chinese output setting for USB keyboard mode

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 switched into other languages)



598690

***Default**



598691

For MS Word, QQ, Not for MS Excel, MS Notebook



598692

For MS Excel, MS Notebook, Not for MS Word, QQ

Keyboard language setting



837590

Belgium



837591

British



837592

France



837593

Germany



837594

Italy



837595

Spain



837596

USA



837598

Singapore



837599

Salvatore



8375910

Japan



8375911

Sierra Leone



8375912

Turkey



8375913

Russia



8375914

Hungary



8375915

Russian (Russia)



8375916

Thailand

ASCII alt code setting

You may need to output the characters in the form of ASCII code, at which time you could configure the corresponding configuration code as instruction.



595891

Alt code mode on



595890

Alt code mode off



595881

4 digits alt code on



595880

4 digits alt code off

Case switching



597791

All lower case



597792

All higher case



597790

Default case setting

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 types setting

1. Airline 2 of 5



2. Aztec Code



Black & White reversed Aztec enable



*** Black & White reversed Aztec disable**

3. Codabar



998851

***Enable**



998850

Disable



610770

***No Check bit**



610771

Open check bit



610772

Open and output the check bit



922821

Initial and ending characters output on



922820

*** Initial and ending bits output off**



577730

No read Black&White reverse code



577731

Read the Black&White reverse code

4. Codablock A



735891

Enable



735890

***Disable**

5. Codablock F



735881

Enable



735880

***Disable**

6. Code 128



998861

***Enable**



998860

Disable



578740

No read Black&White reverse code



578741

Read the Black&White reverse code

7. Code 11



999861

Enable



999860

***Disable**



919840

***1 check bit**



919841

2 check bits



922861

Check bits output

8. Code 32



997841

Enable



922860

*** Check bits output off**



997840

***Disable**

9. Code 39



998881

***Enable**



998880

Disable



609792

Check bits on



609790

***No check bit**



609791

Check bits on and output



609871

Initial and ending bit output



609870

***Initial and ending bit output off**

10. Code93



998871

Enable



998870

***Disable**

11.Composite



599891

Enable



599890

***Disable**

12. Data Matrix Code



994861
***Enable**



994860
Disable



994871
Black & white reversed DM code enable



994870
*** Black & white reversed DM code disable**

13.DOT_CODE



580881
Enable



580880
***Disable**

14. EAN/UPC



998831

***Enable**



998830

Disable

15. EAN-8



997851

***Enable**



997850

Disable



920891

*** EAN-8 check bit output**



920890

EAN-8 check bit output off



EAN-8 transform to EAN-13



*** EAN-8 transform to EAN-13 disable**

16. EAN-13



***Enable**



Disable



*** EAN-13 check bit output**



EAN-13 check bit output off

17. Full ASCII Code39



997821

Enable



997820

***Disable**

18. GS1 DataBar Expanded



995841

Enable



995840

***Disable**

19. GS1 DataBar Limited



995851

Enable



995850

***Disable**

20. GS1 DataBar Omnidirectional



995861

Enable



995860

***Disable**

21. HANXIN



726881

Enable



726880

***Disable**

22. Hong Kong 2 of 5(China post)



996831

Enable



996830

***Disable**

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

23. Interleaved 2 of 5



998841
***Enable**



998840
Disable



610792
Check bit on



610790
***Check bit off**



610791
Check bit on and output

24. Matrix 2 of 5



999841
Enable



Matrix 2 of 5 check bit on



999840
***Disable**



Matrix 2 of 5 check bit off



Matrix 2 of 5 check bit output on



*** Matrix 2 of 5 check bit output off**

25. Maxicode



993851
Enable



993850
***Disable**

26. MicroPDF417



995821

Enable



995820

***Disable**

27. Micro QR Code



993841

Enable



993840

***Disable**



993831

Black & white reversed micro QR enable



993830

*** Black & white reversed micro QR disable**

28. MSI



997871

Enable



997870

***Disable**

29. PDF417



999891

***Enable**



999890

Disable

30. Pharmacode



530841

Enable



530840

***Disable**

31. QR Code



993871

***Enable**



993870

Disable



993861

Black and white reversed QR enable



993860

*** Black and white reversed QR Disable**



591890

***Web site address on**



591891

Web site address off

32. Straight 2 of 5 Industrial



998891
Enable



998890
***Disable**

33. Telepen



999821
Enable



999820
***Disable**

34. Trioptic Code



996871
Enable



996870
***Disable**

35. UPC-A



997831

***Enable**



997830

Disable



924821

***UPC-A check bit output**



924820

UPC-A check bit output off



924881

***UPC-A number system digit output**



924880

UPC-A number system digit output off



924851

UPC-A transform to EAN-13



924850

***UPC-A transform to EAN-13 off**

36. UPC-E



997891

***Enable**



997890

Disable



924830

***UPC-E check bit output off**



924831

UPC-E check bit output



924860

***UPC-E head bit output off**



924861

UPC-E head bit output on



924841

UPC-E expand to 12 bits



924840

*** UPC-E expand to 12 bits off**

37. UPCE



997891

Enable



997890

***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



595821

On



595820

Off

Invoice information barcode setting

Scan the following configuration barcodes in turn:



For MS Notebook and Excel, not for MS Word



Program mode

Barcode length locking configuration

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



000000

enter/exit the program mode



979090

setting the barcode length – type 1



978090

setting the barcode types – type 1



977090

setting the barcode length – type 2



976090

setting the barcode types – type 2



975090

setting the barcode length – type 3



974090

setting the barcode types – type 3



973090

setting the barcode length – type 4



972090

setting the barcode types – type 4



971090

setting the barcode length – type 5



970090

setting the barcode types – type 5



969090

setting the barcode length – type 6



968090

setting the barcode types – type 6

Byte codes list(decimal)



0



1



2



3



4



5



6



7



8



9

Barcode Types 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" setting code, 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" setting code, exit the program mode

Process to add multiple prefix:

Example 3, add multiple prefix

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 for the byte 1 prefix
4. Scan the "byte 2 prefix setting" barcode
5. Scan the byte-code for the byte 2 prefix
6. Scan the "enter/exit the program mode" setting code, exit the program mode

Process to add multiple suffix:

Similar to add multiple prefix

Delete all the prefix:

Scan the "Delete all prefix" setting code

Delete all the suffix:

Scan the "Delete all suffix" setting code



000000

enter/exit the program mode



964090

byte 1 prefix setting



963090

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 10 prefix setting



000014

Delete all prefix



954090

byte 1 suffix setting



953090

byte 2 suffix setting



952090

byte 3 suffix setting



951090

byte 4 suffix setting



950090

byte 5 suffix setting



949090

byte 6 suffix setting



948090

byte 7 suffix setting



947090

byte 8 suffix setting



946090

byte 9 suffix setting



945090

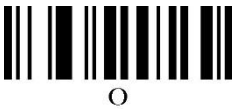
byte 10 suffix setting



000015

Delete all suffix

Byte codes list(decimal)



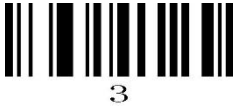
0



1



2



3



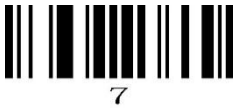
4



5



6



7



8



9

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	í	193	Á	225	á
130	,	162	ç	194	Â	226	â
131	f	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	^	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	Đ	240	đ
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	Ɓ	254	ɓ
159	Ÿ	191	ℓ	223	Ɓ	255	ɓ