

**WAI-6510 2D CMOS Desktop
Barcode Scanner V1.0**



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Restore Default Setting

Restore all attributes of the scanner to factory status



Enter Setting



Exit and Save

Customized setting

Save as customer default: After setting and saving the settings you want, you want to restore your saved settings.

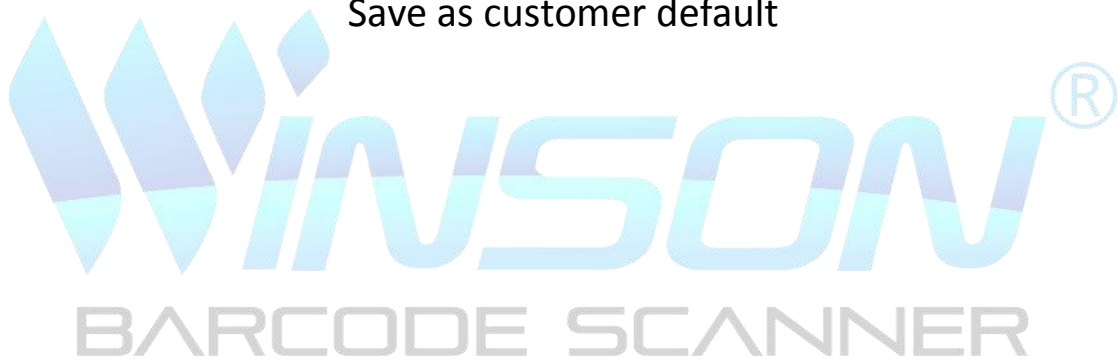
Restore saved settings: Restore saved settings.



Enter Setting



Save as customer default



Restore saved settings



Exit and Save

System Setting

Standby - low fill light

When the scanner is in standby mode and exceeds the set standby time, set the fill light to low brightness.

The default standby time is 10000 ms, the maximum settable time is 3600000 MS, the minimum is 1000 ms, and the setting time is 0 to turn off the low fill light function.

The fill light is set to low brightness after standby for 3000 ms.

Scan "Enter Setting"

Scan "Read time" setting code

Scan **Appendix Decimal Digits** , "3" setting code;

Scan **Appendix Decimal Digits** , "0" setting code;

Scan **Appendix Decimal Digits** , "0" setting code;

Scan "Exit and Save".

Standby - Low Fill Light



Enter Setting



Exit and Save

Sleep - Light Up Off

Turn off the fill light when the scanner is in standby mode and exceeds the set sleep time.

When sleep is turned off by default, the maximum setting time is 3600000 ms and the minimum setting time is 1000ms. If the setting time is zero, the sleep function is turned off.

The fill light is set to low brightness after 60000ms standby

Scan "Enter Setting" ;

Scan "Read Time" setting code;

Scan **Appendix Decimal Digits** , "6" setting code;

Scan **Appendix Decimal Digits** , "0" setting code;

Scan **Appendix Decimal Digits** , "0" setting code;

Scan **Appendix Decimal Digits** , "0" setting code;

Scan **Appendix Decimal Digits** , "0" setting code;

Scan "Exit and Save".

Sleep - Turn Off the Light



Enter Setting



Exit and Save

Same Barcode Setting

When reading the same barcode within the set time, reading the barcode will ignore not output and re time the limit time to avoid repeated reading of the same barcode.

Within 300 ms, the same barcode will not be read again by default, and 0-5000ms can be set. 0 means no interval.

Do not output the same barcode read repeatedly within 100ms.

Scan "Enter Setting"

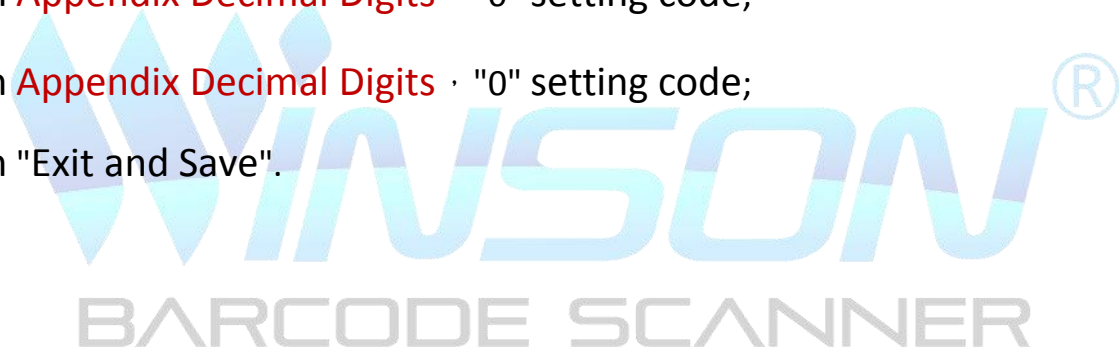
Scan "Read Time" setting code

Scan **Appendix Decimal Digits** · "1" setting code;

Scan **Appendix Decimal Digits** · "0" setting code;

Scan **Appendix Decimal Digits** · "0" setting code;

Scan "Exit and Save".



Same Barcode Reading



Enter Setting



Read time (ms)



Exit and Save

QR Web Barcode Setting



Enter Setting



Block QR pages: not output QR code with URL



Read QR web barcode



Exit and Save

Output mode

USB Keyboard Interface



Enter Setting



Exit and Save

USB Virtual Serial Interface



Enter Setting



Exit and Save

Serial Interface



Enter Setting



Exit and Save

Serial baud rate



Enter Setting



9600



19200



38400



57600



115200 (default)



230400



Exit and Save

International keyboard



Enter Setting



American (default)



Belgium



United Kingdom



Denmark

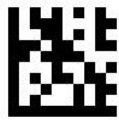


Exit and Save

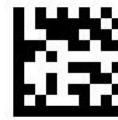
International keyboard



Enter Setting



France



Germany



Italy

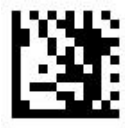


Norway



Exit and Save

International keyboard



Enter Setting



Interfaceugal



Spain



Sweden



Switzerland



Exit and Save

International keyboard



Enter Setting



Japan



Hungary



Czech Republic



Slovakia



Exit and Save

International keyboard



Enter Setting



Romania



Croatia



Poland



Turkey Q



Exit and Save

International keyboard



Enter Setting



Brazil



Russia



Bulgaria



Exit and Save

Code Page Character Encoding



Enter Setting



[Chinese-Simple \(GB2312\) – Unicode / Excel ; Notepad](#)



Chinese-Simple (GB2312) – Code Page / Word



Exit and Save

Code Page Character Encoding



Enter Setting



Korean – Unicode / Excel ; Notepad



Korean– Code Page / Word



Exit and Save

Code Page Character Encoding



Enter Setting



Thailand



Cyrillic



Turkish



Greek



Exit and Save

Code Page Character Encoding



Enter Setting



West European Latin



Central and East European Latin



Hebrew



Exit and Save

Barcode Setting

Support Barcodes Type	
UPC A	Default turn on
UPC E	Default turn on
EAN 8	Default turn on
EAN 13	Default turn on
Code 128	Default turn on
Code 39	Default turn on
Code 93	Default turn on
Codabar	Default turn on
Plessey	Turn off
MSI Plessey	Default turn on
Interleaved 2 of 5	Default turn on
Pharmacode	Turn off
PDF417	Turn off
Micro PDF417	Turn off
Data Matrix	Default turn on
QR	Default turn on
Micro QR	Turn off
DotCode	Turn off

Set Enable To Read All Barcodes



Enter Setting



Exit and Save

Only Reading 1D barcodes



Enter Setting



Exit and Save

Only Reading 2D Barcodes



Enter Setting



Exit and Save

UPC A



Enter Setting



Turn on UPC A (default)



Turn off UPC A

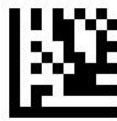


Exit and Save

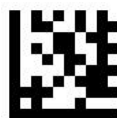
UPC A



Enter Setting



leading zero (default)



Drop leading zero



Exit and Save

UPC A



Enter Setting



Turn on check code (default)



Turn off check code

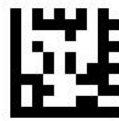


Exit and Save

UPC A



Enter Setting



Turn on EAN 13 conversion



Turn off EAN 13 conversion (default)



Exit and Save

UPC A



Enter Setting



Turn on UPC A 2/5 digit additional code



Turn off UPC A 2/5-digit additional code (default)



Exit and Save

UPC A



Enter Setting



Only read UPC A 2/5 digit additional code



Read UPC A and UPC A 2/5-digit additional codes (default)

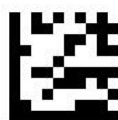


Exit and Save

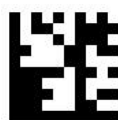
UPC E



Enter Setting



Turn on UPC E (默认)



Turn off UPC A



Exit and Save

UPC E



Enter Setting



Leading zero (default)



Drop leading zero



Exit and Save

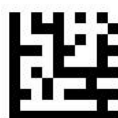
UPC E



Enter Setting



Turn on check code (default)



Turn off check code



Exit and Save

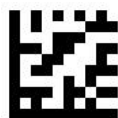
UPC E



Enter Setting



Turn on UPC A conversion



Turn off UPC A conversion (default)



Exit and Save

UPC E



Enter Setting



Turn on UPC E 2/5 digit additional code



Turn off UPC E 2/5 digit additional code (default)



Exit and Save

UPC E



Enter Setting



Only read UPC E 2/5 digit additional codes



Read UPC E and UPC E 2/5-digit additional codes (default)



Exit and Save

EAN 8



Enter Setting



Turn on EAN 8 (default)



Turn off EAN 8

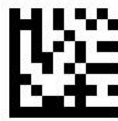


Exit and Save

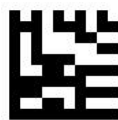
EAN 8



Enter Setting



Transmission Check Digit (default)



No transmission Check Digit



Exit and Save

EAN 8



Enter Setting



Turn on EAN-13 conversion



Turn off EAN-13 conversion (default)



Exit and Save

EAN 8



Enter Setting



Turn on EAN 8 2/5 digit add-on code



Turn off EAN 8 2/5 digit add-on code (default)



Exit and Save

EAN 8



Enter Setting



Read only EAN 8 2/5 digit additional codes



Read EAN 8 and EAN 8 2/5 digit additional codes (default)



Exit and Save

EAN 13



Enter Setting



Turn on EAN 13 (default)



Turn off EAN 13

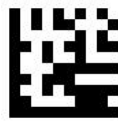


Exit and Save

EAN 13



Enter Setting



Transmit check digit (default)



No transmit check digit



Exit and Save

EAN 13



Enter Setting



Turn on ISBN conversion



Turn off ISBN conversion (default)

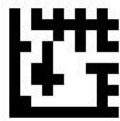


Exit and Save

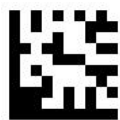
EAN 13



Enter Setting



Turn on ISSN conversion



Turn off ISSN conversion (default)



Exit and Save

EAN 13



Enter Setting



Turn on EAN 13 2/5 digit add-on code



Turn off EAN 13 2/5 digit add-on code (default)



Exit and Save

EAN 13



Enter Setting



Read only EAN 13 2/5 digit additional codes



Read EAN 13 and EAN 13 2/5 digit additional codes (default)



Exit and Save

Code 128 / GS1 -128



Enter Setting



Turn on Code 128 / GS1-128 (default)



Turn off Code 128 / GS1-128



Exit and Save

Code 39



Enter Setting



Turn on Code 39 (default)



Turn off Code 39

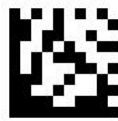


Exit and Save

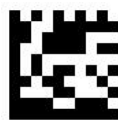
Code 39



Enter Setting



Turn on Code 39 Full ASCII function



Turn off Code 39 Full ASCII function (default)

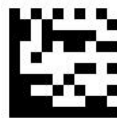


Exit and Save

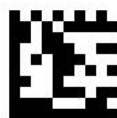
Code 39



Enter Setting



Transmission start/stop character



No transmission start/stop character(default)

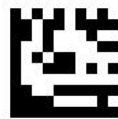


Exit and Save

Code 39



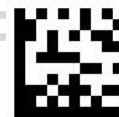
Enter Setting



No check (default)



Check and transmit



Check and no transmit



Exit and Save

Code 93



Enter Setting



Turn on Code 93



Turn off Code 93 (default)



Exit and Save

Codabar



Enter Setting



Turn on Codabar (default)



Turn off Codabar

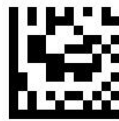


Exit and Save

Codabar



Enter Setting



No check (default)



Check and transmit



Check and no transmit



Exit and Save

Codabar



Enter Setting



Transmission start/stop character



No transmission start/stop character (default)



Exit and Save

Plessey



Enter Setting



Turn on Plessey



Turn off Plessey (default)



Exit and Save

MSI Plessey



Enter Setting



Turn on MSI Plessey (default)



Turn off MSI Plessey

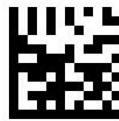


Exit and Save

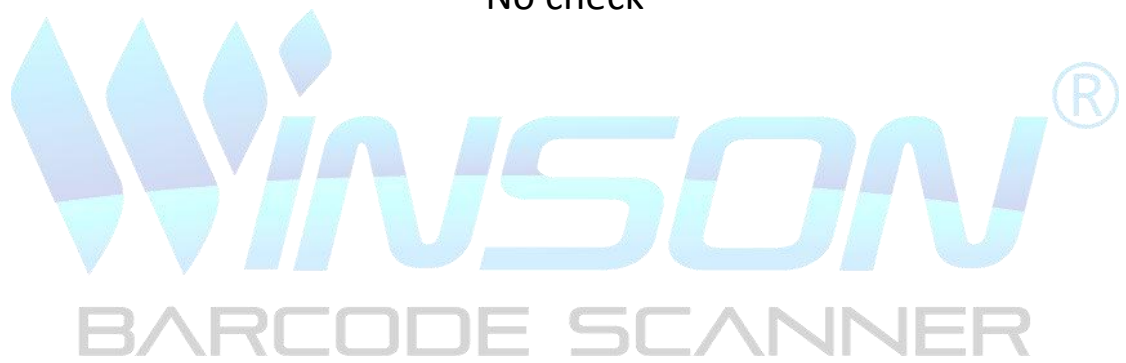
MSI Plessey



Enter Setting



No check



Mod 10 check (default)



Exit and Save

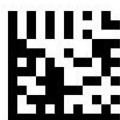
MSI Plessey



Enter Setting



Mod 10/10 check



Mod 11/10 check



Exit and Save

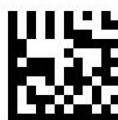
MSI Plessey



Enter Setting



Transmission Check Digit(default)



No transmission Check Digit



Exit and Save

Interleaved 2 of 5



Enter Setting



Turn on Interleaved 2 of 5 (default)



Turn off Interleaved 2 of 5

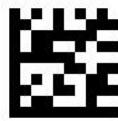


Exit and Save

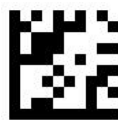
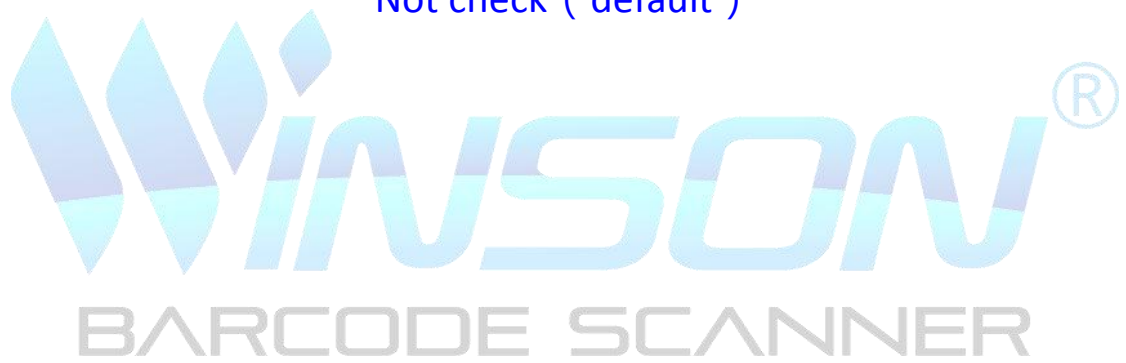
Interleaved 2 of 5



Enter Setting



Not check (default)



Check and transmit



Exit and Save

Pharmacode



Enter Setting



Turn on Pharmacode



Turn off Pharmacode (default)



Exit and Save

PDF417



Enter Setting



Turn on PDF417



Turn off PDF417 (default)



Exit and Save

Micro PDF417



Enter Setting



Turn on Micro PDF417



Turn off Micro PDF417 (default)



Exit and Save

Data Matrix



Enter Setting



Turn on Data Matrix (default)



Turn off Data Matrix



Exit and Save

Data Matrix



Enter Setting



Turn on image decoding (default)



Turn off image decoding



Exit and Save

Data Matrix



Enter Setting



Turn on Rectangular Data Matrix (default)



Turn off Rectangular Data Matrix



Exit and Save

QR



Enter Setting



Turn on QR (default)



Turn off QR



Exit and Save

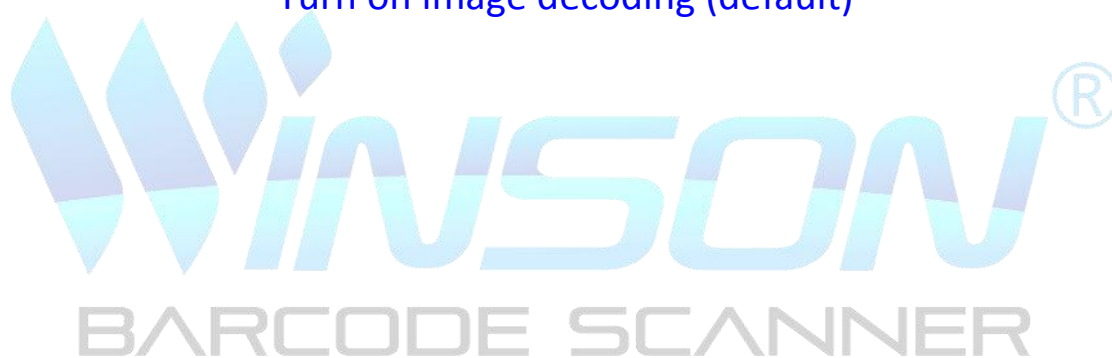
QR



Enter Setting



Turn on image decoding (default)



Turn off image decoding



Exit and Save

Micro QR



Enter Setting



Turn on Micro QR (default)



Turn off Micro QR



Exit and Save

DotCode



Enter Setting



Turn on DotCode



Turn off DotCode (default)



Exit and Save

Decoding length set

•Limit single length

Setting example:

Restrict reading of single length barcodes,for example, set the read length to 14 characters code 128

1. Scan **“Enter Setting”**
2. Scan **code 128**, limit single length setting code
3. Scan **ASCII Code table**, number 1 barcode
4. Scan **ASCII Code table**, number 4 barcode
5. Scan **“Exit and Save”**

•Limit 2 different lengths

Setting example:

Restrict reading 2 barcodes with different lengths, for example, set the read length to 2 characters and 14 characters of code 128

1. Scan **Enter Setting**

2. Scan code 128 to limit 2 different length setting codes
3. Scan **ASCII Code table**, number 0 barcode
4. Scan **ASCII Code table**, number 2 barcode
5. Scan **ASCII Code table**, number 1 barcode
6. Scan **ASCII Code table**, number 4 barcode
7. Scan Exit and Save

●Limit length range

Setting example:

Restrict reading of barcodes within the length range,for example,
set the read length to

8 - 14 character code 128

1. Scan **Enter Setting**
2. Scan code 128 , limited length range set code
3. Scan **ASCII Code table**, number 0 barcode
4. Scan **ASCII Code table**, number 8 barcode
5. Scan **ASCII Code table**, number 1 barcode
6. Scan **ASCII Code table**, number 4 barcode
7. Scan Exit and Save

•Any length

Setting example:

1. Scan **Enter Setting**
2. Scan code 128 , any length setting code
3. Scan Exit and Save

Code 128 Decoding length set

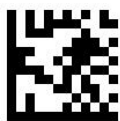


Enter Setting



Limit single length

Limit 2 different lengths



Limit length range



Any length (default)



Exit and Save

Code 39 Decoding length set



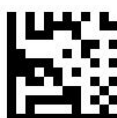
Enter Setting



Limit single length



Limit 2 different lengths



Limit length range



Any length (default)



Exit and Save

Code 93 Decoding length set



Enter Setting



Limit single length



Limit 2 different lengths



Limit length range



Any length (default)



Exit and Save

Codabar Decoding length set



Enter Setting



Limit single length



Limit 2 different lengths



Limit length range



Any length (default)



Exit and Save

Interleaved 2 of 5 Decoding length set



Enter Setting



Limit single length



Limit 2 different lengths



Limit length range



Any length (default)



Exit and Save

MSI Plessey Decoding length set



Enter Setting



Limit single length



Limit 2 different lengths



Limit length range



Any length (default)



Exit and Save

Data editing

Output format

The following is the data output format

Barcode type (4 bytes)	Prefix (4 bytes)	AIM ID	Barcode content	Suffix (4 bytes)	Terminal character (1 byte)
---------------------------	---------------------	--------	--------------------	---------------------	-----------------------------------

Barcode type

- 1、The default output is not to output barcode type
- 2、Open and close the output of barcode type through serial Interface commands and scan barcode
- 3、Only supInterfaces serial mode, USB keyboard does not supInterface

The format is defined as follows :

Start sign 0x03 (1 byte)	Barcode system code (1 byte) Hex	Barcode length (2 bytes) 0x0001 ~0xFFFF
-----------------------------	-------------------------------------	--

Barcode system code is as follows :

Code	2D barcode	Code	1D barcode	Code	1D barcode
0x 41	PDF417	0x61	UPC A	0x71	Pharmacode
0x 42	Micro PDF417	0x 62	UPC E	0x72	GS1 DataBar 14
0x 43	Data Matrix	0x 63	EAN 8	0x73	GS1 DataBar Expanded
0x 44	QR	0x 64	EAN 13	0x74	GS1 DataBar Limited
0x 45	Micro QR	0x 65	Code 128	0x75	Composite Code-A
0x 46	Aztec	0x66	Code 39	0x76	Composite Code-B
0x 47	MaxiCode	0x67	Code 93	0x77	Composite Code-C
		0x68	Code 32		

		0x69	Code 11		
		0x6A	Codabar		
		0x6B	Plessey		
		0x6C	MSI Plessey		
		0x6D	Interleaved 2 of 5		
		0x6E	IATA 2 of 5		
		0x6F	Matrix 2 of 5		
		0x70	Straight 2 of 5		

Barcode type



Enter Setting



Turn off(default)



Turn on



Exit and Save

Prefix

Add output characters before barcode data, up to 4 characters can be set

Add a character before all barcode data:

1. Scan " Enter Setting"
2. Scan "Set All Code Prefix"
3. Scan ASCII Code table, a set code
4. Scan "Exit and Save"

Remove prefix:

1. Scan " Enter Setting"
2. Scan "Turn off all code prefixes"
3. Scan "Exit and Save"

Add &13 characters before the EAN 13 barcode data:

1. Scan " Enter Setting"
2. Scan "Set EAN 13 Prefix"
3. Scan ASCII Code table, & set code
3. Scan ASCII Code table, 1 set code
3. Scan ASCII Code table, 3 set code
4. Scan "Exit and Save"

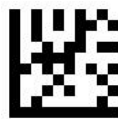
Remove the EAN 13 prefix:

1. Scan " Enter Setting"
2. Scan "Set EAN 13 Prefix"
3. Scan "Exit and Save"

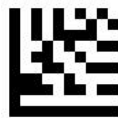
Prefix



Enter Setting



Turn off all code prefixes (default)



Set all code prefixes



Exit and Save

Prefix



Enter Setting



Set UPC A Prefix



Turn off UPC A Prefix



Exit and Save

Prefix



Enter Setting



Set UPC E Prefix



Turn off UPC E Prefix



Exit and Save

Prefix



Enter Setting



Set EAN 8 Prefix



Turn off EAN 8 Prefix

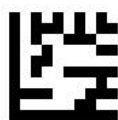


Exit and Save

Prefix



Enter Setting



Set EAN 13 Prefix



Turn off EAN 13 Prefix



Exit and Save

Prefix



Enter Setting



Set Code 128 Prefix



Turn off Code 128 Prefix



Exit and Save

Prefix



Enter Setting



Set Code 39 Prefix



Turn off Code 39 Prefix



Exit and Save

Prefix



Enter Setting



Set Code 93 Prefix



Turn off Code 93 Prefix



Exit and Save

Prefix



Enter Setting



Set Codabar Prefix



Turn off Codabar Prefix



Exit and Save

Prefix



Enter Setting



Set Plessey Prefix



Turn off Plessey Prefix



Exit and Save

Prefix



Enter Setting



Set MSI Plessey Prefix



Turn off MSI Plessey Prefix



Exit and Save

Prefix



Enter Setting



Set Interleaved 2 of 5 Prefix



Turn off Interleaved 2 of 5 Prefix



Exit and Save

Prefix



Enter Setting



Set Pharmacode Prefix



Turn off Pharmacode Prefix

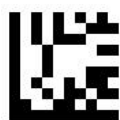


Exit and Save

Prefix



Enter Setting



Set PDF417 Prefix



Turn off PDF417 Prefix



Exit and Save

Prefix



Enter Setting



Set Micro PDF417 Prefix



Turn off Micro PDF417 Prefix



Exit and Save

Prefix



Enter Setting



Set Data Matrix Prefix



Turn off Data Matrix Prefix



Exit and Save

Prefix



Enter Setting



Set QR Prefix



Turn off QR Prefix



Exit and Save

Prefix



Enter Setting



Set Micro QR Prefix



Turn off Micro QR Prefix



Exit and Save

Prefix



Enter Setting



Set Aztec Prefix



Turn off Aztec Prefix



Exit and Save

Suffix

Add output characters after barcode data, up to 4 characters can be set

After add a character to all barcode data:

1. Scan "Enter Setting"
2. Scan "Set All Code Suffixes"
3. Scan ASCII Code table, a set code
4. Scan "Exit and Save"

Remove suffix:

1. Scan "Enter Setting"
2. Scan "Turn off all code suffixes"
3. Scan "Exit and Save"

Add &13 characters after EAN 13 barcode data:

1. Scan "Enter Setting"
2. Scan "Set EAN 13 Suffix"
3. Scan ASCII Code table, & set code
3. Scan ASCII Code table, 1 set code
3. Scan ASCII Code table, 3 set code
4. Scan "Exit and Save"

Remove the EAN 13 suffix:

1. Scan "Enter Setting"
2. Scan "Turn off EAN 13 Suffix"
3. Scan "Exit and Save"

Suffix



Enter Setting



Turn off all code suffixes (default)



Exit and Save

Suffix



Enter Setting



Set UPC A suffix



Exit and Save

Suffix



Enter Setting



Set UPC E suffix



Turn off UPC E suffix



Exit and Save

Suffix



Enter Setting



Set EAN 8 suffix



Turn off EAN 8 suffix



Exit and Save

Suffix



Enter Setting



Set EAN 13 suffix



Exit and Save

Suffix



Enter Setting



Set Code 128 suffix



Exit and Save

Suffix



Enter Setting



Set Code 39 suffix



Turn off Code 39 suffix



Exit and Save

Suffix



Enter Setting



Set Code 93 suffix



Exit and Save

Suffix



Enter Setting



Set Codabar suffix



Turn off Codabar suffix



Exit and Save

Suffix



Enter Setting



Set Plessey suffix



Exit and Save

Suffix



Enter Setting



Set MSI Plessey suffix



Turn off MSI Plessey suffix



Exit and Save

Suffix



Enter Setting



Set Interleaved 2 of 5 suffix



Turn off Interleaved 2 of 5 suffix



Exit and Save

Suffix



Enter Setting



Set Pharmacode suffix



Exit and Save

Suffix



Enter Setting



Set PDF417 suffix



Exit and Save

Suffix



Enter Setting



Set Micro PDF417 suffix



Turn off Micro PDF417 suffix



Exit and Save

Suffix



Enter Setting



Set Data Matrix suffix



Turn off Data Matrix suffix



Exit and Save

Suffix



Enter Setting



Set QR suffix



Turn off QR suffix



Exit and Save

Suffix



Enter Setting



Set Micro QR suffix



Turn off Micro QR suffix



Exit and Save

Suffix



Enter Setting



Set Aztec suffix



Turn off Aztec suffix



Exit and Save

Barcode identification code table		
Symbology	Mexxen	AIM
UPC-A	A	E
UPC-E	E	E
EAN-8	FF	E
EAN-13	F	E
Code 128	K	C
Code 39	M	A

Code 93	L	G
Code 32	M	A
Code 11	O	H
Codabar	N	F
Plessey	P	P
MSI / Plessey	a	M
Interleaved 2 of 5	I	I
IATA 2 of 5	Z	R
Matrix 2 of 5	G	X
Straight 2 of 5	S	S
Pharmacode	H	X
GS1 DataBar 14	RS	e
GS1 DataBar Expanded	RX	e
GS1 DataBar Limited	RL	e
Composite CC-A	m	e
Composite CC-B	n	e
Composite CC-C	i	e
PDF417	r	L
Micro PDF417	s	L
Data Matrix	t	d
QR	u	Q
Micro QR	j	Q
Aztec	e	Z
MaxiCode	v	U

Terminal character



Enter Setting



None



Enter / CR (default)



Exit and Save

WINSON
BARCODE SCANNER

Terminal character



Enter Setting



CR / LF



TAB



Exit and Save

Letter case conversion



Enter Setting



Turn off(default)



Convert to uppercase



Convert to lower case



Exit and Save

Caps Lock



Enter Setting



Turn off Caps Lock (default)



Turn on Caps Lock



Exit and Save

GS character conversion

Convert GS characters to other in keyboard mode ASCII Code

Set GS characters to # output:

1. Scan "Enter Setting"
2. Scan "Convert GS Characters"
3. Scan the ASCII Code table, # setup code
4. Scan "Exit and Save"

Set GS character conversion to carriage return output:

1. Scan "Enter Setting"
2. Scan "Convert GS Characters"
3. Scan the ASCII Code table, Enter Setup Code
4. Scan "Exit and Save"

Restore the default value of GS characters

1. Scan "Enter Setting"
2. Scan "Turn off GS character conversion"
3. Scan "Exit and Save"

GS character conversion



Enter Setting



Turn off GS character conversion (default)



Convert GS characters

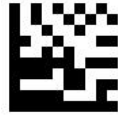


Exit and Save

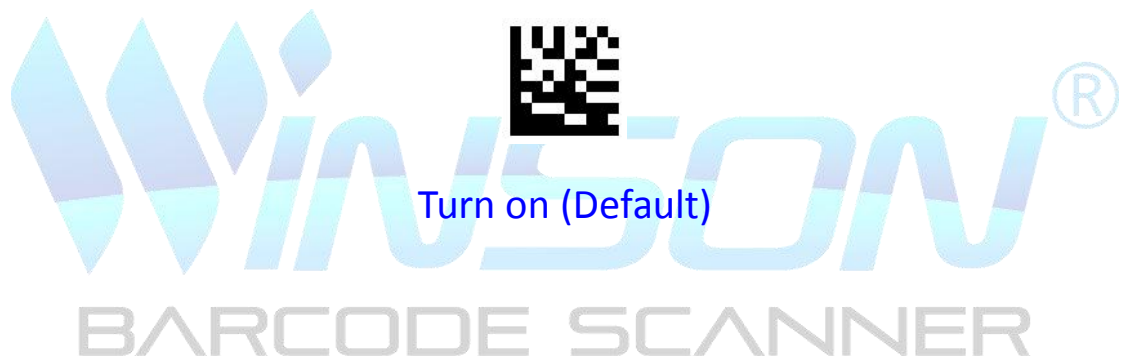
Function Key Mapping



Enter Setting



Turn off



Exit and Save

Function Key Mapping



Enter Setting



Ctrl Char Mode (Default)



Exit and Save

Appendix I Decimal digit



0



1



4



5

Appendix I Decimal digit



6



7



Appendix II ASCII Code Table

Hex	Decimal	ASCII	Function Key Mapping		
			Turn off	Ctrl Char mode	Alt+Unicode mode
00	0	NUL	Null	Ctrl+@	Alt + 000
01	1	SOH	Home	Ctrl+A	Alt + 001
02	2	STX	End	Ctrl+B	Alt + 002
03	3	ETX	Up Arrow	Ctrl+C	Alt + 003
04	4	EOT	Down Arrow	Ctrl+D	Alt + 004
05	5	ENQ	Left Arrow	Ctrl+E	Alt + 005
06	6	ACK	Right Arrow	Ctrl+F	Alt + 006
07	7	BEL	Null	Ctrl+G	Alt + 007
08	8		Backspace	Backspace	Alt + 008
09	9		TAB	TAB	Alt + 009

0A	10	LF	Null	Ctrl+J	Alt + 010
0B	11	VT	Null	Ctrl+K	Alt + 011
0C	12	FF	Null	Ctrl+L	Alt + 012
0D	13		Enter	Enter	Enter
0E	14	SO	Page Up	Ctrl+N	Alt + 014
0F	15	SI	Page Down	Ctrl+O	Alt + 015

Hex	Decimal	ASCII	Function Key Mapping		
			Turn off	Ctrl Char mode	Alt+Unicode mode
10	16	DLE	F11	Ctrl+P	Alt + 016
11	17	DC1	Null	Ctrl+Q	Alt + 017
12	18	DC2	Null	Ctrl+R	Alt + 018
13	19	DC3	Null	Ctrl+S	Alt + 019
14	20	DC4	Null	Ctrl+T	Alt + 020
15	21	NAK	F12	Ctrl+U	Alt + 021
16	22	SYN	F1	Ctrl+V	Alt + 022
17	23	ETB	F2	Ctrl+W	Alt + 023
18	24	CAN	F3	Ctrl+X	Alt + 024
19	25	EM	F4	Ctrl+Y	Alt + 025
1A	26	SUB	F5	Ctrl+Z	Alt + 026

1B	27	ESC	F6	Ctrl+[	Alt + 027
1C	28	FS	F7	Ctrl+\	Alt + 028
1D	29	GS	F8	Ctrl+]	Alt + 029
1E	30	RS	F9	Ctrl+^	Alt + 030
1F	31	US	F10	Ctrl+_	Alt + 031

Hex	Decimal	ASCII	
20	32	SPACE	
21	33	!	

22	34	"	
23	35	#	
24	36	\$	
25	37	%	

26	38	&	
27	39	'	
Hex	Decimal	ASCII	
28	40	(	
29	41	)	

2A	42	*	
2B	43	+	
Hex	Decimal	ASCII	
2C	44	,	
2D	45	-	

2E	46	.	
2F	47	/	
Hex	Decimal	ASCII	
30	48	0	
31	49	1	

32	50	2	
33	51	3	
Hex	Decimal	ASCII	
34	52	4	
35	53	5	

36	54	6	
37	55	7	
Hex	Decimal	ASCII	
38	56	8	
39	57	9	

3A	58	:	
3B	59	;	
3C	60	<	
3D	61	=	

3E	62	>	
3F	63	?	
Hex	Decimal	ASCII	
40	64	@	
41	65	A	

42	66	B	
43	67	C	
44	68	D	
45	69	E	

46	70	F	
47	71	G	
Hex	Decimal	ASCII	
48	72	H	
49	73	I	

4A	74	J	
4B	75	K	
Hex	Decimal	ASCII	
4C	76	L	
4D	77	M	

4E	78	N	
4F	79	O	
Hex	Decimal	ASCII	
50	80	P	
51	81	Q	

52	82	R	
53	83	S	
Hex	Decimal	ASCII	
54	84	T	
55	85	U	

56	86	V	
57	87	W	
Hex	Decimal	ASCII	
58	88	X	
59	89	Y	

5A	90	z	
5B	91	[	

Hex	Decimal	ASCII	
5C	92	\	

5D	93	]	
5E	94	^	
5F	95	-	

Hex	Decimal	ASCII
-----	---------	-------

60	96	,	
62	97	a	
62	98	b	
63	99	c	

Hex	Decimal	ASCII	
64	100	d	
65	101	e	
66	102	f	
67	103	g	

Hex	Decimal	ASCII	
68	104	h	
69	105	i	
6A	106	j	
6B	107	k	

Hex	Decimal	ASCII	
6C	108	l	
6D	109	m	
6E	110	n	
6F	111	o	

Hex	Decimal	ASCII	
70	112	p	
71	113	q	
72	114	r	
73	115	s	

Hex	Decimal	ASCII	
74	116	t	
75	117	u	
76	118	v	
77	119	w	

Hex	Decimal	ASCII	
78	120	x	
79	121	y	
7A	122	z	
7B	123	{	

Hex	Decimal	ASCII	
7C	124		
7D	125	}	
7E	126	~	
7F	127	Delete	

Appendix III Function keys



Insert



Delete



Home



End



Up Arrow



Down Arrow



Left Arrow



Right Arrow



Ctrl



Alt



Page Up



Page Down



F3



F4



F5



F6



F7



F8



F9



F10



F11



F12