

User Manual
WMM930Z Barcode Scanner

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1 Introduction

Usb of Setting Barcode



Enter Setting(default)



Exit Setting



Transmit Setting Barcode Data



Do not Transmit Setting Barcode

1.1 Restore to factory default



Restore to Factory Default

2. Wireless Setting

2.1 USB-Virtual COM Port



USB-Virtual COM Port

2.2 Quick Pair



Quick Pair

2.3 Data Transmission Mode



%%SpecCode10

Real Time Mode



%%SpecCode11

Storage Mode



%%SpecCode16

Upload Storage Data



%%SpecCode17

Show Stored Data Quantity



%%SpecCode18

Clear Stored Data

2.4 Scanner Timeout



%%SpecCode30

30S



%%SpecCode31

60S



%%SpecCode32

2 minutes



%%SpecCode33

5 minutes



%%SpecCode34

10 minutes



%%SpecCode35

30 minutes



%%SpecCode36

No Time out



%%SpecCode38

Sleep Now

2.5 Query Battery Level



%%SpecCode15

Query Battery Level

2.6 Data Transmission Speed



*Fast Speed



Medium Speed



Low Speed



Ultra-low Speed

2.7 GS Character Replace



Replace GS Character



*Disable GS Character replace (GS
function On by default

2.8 Keyboard Countries



%%SpecCode40

US-English



%%SpecCode41

Germany



%%SpecCode42

French



%%SpecCode43

Spanish



%%SpecCode44

Italian



%%SpecCode45

Japanese



%%SpecCode47

Belgium-French



%%SpecCode48

Portuguese-Portugal



UK-English



German IOS



Portuguese-Brazil



Russian



Czech



Italian142



Turkish Q



Turkish F



Sweden



Spanish-Mexico



Denmark



Norway



Croatia



Germany-Swiss



Swiss French



The Dutch



Hungary



Poland



French-Canada



Spanish-Latin Americas



Slovakia

2.9 Setup Prefix/Suffix

To add prefix and suffix, users are requested to scan the setting prefix or suffix first, and then scan the corresponding barcode (see appendix for barcode), up to 32 bytes.

To cancel prefix and suffix, first scan to set prefix or suffix, then scan to exit setting mode.












Set up Prefix



Set up Suffix

Appendix 1 Control Character Table








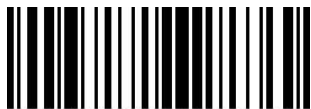


Hex	ASCII	Character group 0	Character group 1	Character group 2	Character group 3	Character group 4	Programming Code
1	SOH	NULL	Home	Ctrl+A	Alt+001	keypad enter	
2	STX	Ctrl+B	End	Ctrl+B	Alt+002	Cap Lock	
3	ETX	Ctrl+C	Up Arrow	Ctrl+C	Alt+003	Right Arrow	
4	EOT	*Customized Keys1	Down Arrow	Ctrl+D	Alt+004	Up Arrow	












5	ENQ	*Customized Keys2	Left Arrow	Ctrl+E	Alt+005	NULL	
6	ACK	*Customized Keys3	Right Arrow	Ctrl+F	Alt+006	NULL	
7	BEL	*Customized Keys4	Shift+Tab	Ctrl+G	Alt+007	Enter	
8	BS	Back Space	Back Space	Back Space	Alt+008	Left Arrow	
9	HT	Tab	Tab	Tab	Alt+009	Tab	












10	LF	Enter	Enter	Ctrl+P	Alt+010	Down Arrow	
11	VT	NULL	NULL	Ctrl+Q	Alt+011	Tab	
12	FF	NULL	NULL	Ctrl+R	Alt+012	delete	
13	CR	Enter	Enter	Enter	Alt+013	Enter	
14	S0	F1	Page Up	Ctrl+N	Alt+014	Insert	
15	S1	F2	Page Down	Ctrl+O	Alt+015	Esc	
16	DLE	F3	F11	Ctrl+P	Alt+016	F11	
17	DC1	F4	NULL	Ctrl+Q	Alt+017	Home	
18	DC2	F5	NULL	Ctrl+R	Alt+018	Print Screen	
19	DC3	F6	NULL	Ctrl+S	Alt+019	Back Space	
20	DC4	F7	NULL	Ctrl+T	Alt+020	Shift tab	












21	NAK	F8	F12	Ctrl+U	Alt+021	F12	
22	SYN	F9	F1	Ctrl+V	Alt+022	F1	
23	TB	F10	F2	Ctrl+W	Alt+023	F2	
24	CAN	F11	F3	Ctrl+X	Alt+024	F3	
25	EM	F12	F4	Ctrl+Y	Alt+025	F4	
26	SUB	NULL	F5	Ctrl+Z	Alt+026	F5	
27	Esc	Esc	F6	Ctrl+[Alt+027	F6	
28	FS	ALT+028	F7	Ctrl+\	Alt+028	F7	
29	GS	ALT+029	F8	Ctrl+]	Alt+029	F8	
30	RS	NULL	F9	Ctrl+^	Alt+030	F9	
31	US	NULL	F10	Ctrl+_	Alt+031	F10	


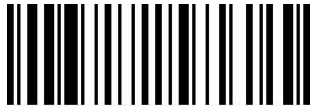









Appendix 2 Visible Characters












HEX	ASCII	Programming Barcode
32	Space	
33	!	
34	"	
35	#	
36	\$	
37	%	
38	&	
39	'	
40	(
41)	












42	*	
43	+	
44	,	
45	-	
46	.	
47	/	
48	0	
49	1	
50	2	
51	3	
52	4	

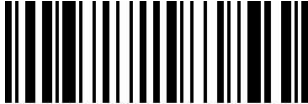










53	5	
54	6	
55	7	
56	8	
57	9	
58	:	
59	;	
60	<	
61	=	
62	>	
63	?	




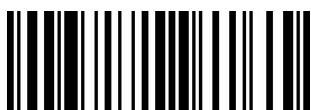







64	@	
65	A	
66	B	
67	C	
68	D	
69	E	
70	F	
71	G	
72	H	
73	I	
74	J	

75	K	
76	L	
77	M	
78	N	
79	O	
80	P	
81	Q	
82	R	
83	S	
84	T	
85	U	

86	V	
87	W	
88	X	
89	Y	
90	Z	
91	[
92	\	
93]	
94	^	
95	-	
96	`	

97	a	
98	b	
99	c	
100	d	
101	e	
102	f	
103	g	
104	h	
105	i	
106	j	
107	k	

108	l	
109	m	
110	n	
111	o	
112	p	
113	q	
114	r	
115	s	
116	t	
117	u	
118	v	

119	w	
120	x	
121	y	
122	z	
123	{	
124		
125	}	
126	~	
127	DEL	
199	Ç	
231	ç	

2.10 Character Escape

The prefix and suffix table is divided into two parts: the displayable character table part and the control character table part.

Displayable Character Table: Mainly ASCII characters with key value greater than 31. This part of the characters can be directly output through the HID keyboard, no need to escape.

Control Character Table: Mainly characters with key value less than 32 (see Appendix 2 for barcode), most of these characters cannot be output directly through the HID keyboard and need to be escaped to be output from the HID keyboard. This scanner defines 5 kinds of escaping methods, and different escaping methods can be switched by scanning the code. Customers can set the appropriate escape character set according to their own needs.



Setting the escape character set 0 (default)



Setting the escape character set 1



Setting the escape character set 2



Setting the escape character set 3

2.11 GS Character Replace



Enable GS Character Replace



Disable GS Character Replace

2.12 Terminator Suffix



Carriage Return(CR) (default)



Line Feed



Carriage Return+Line Feed



Tab



NO Terminator Suffix

2.13 Convert Case



Normal (default)



Convert Case



Convert all to uppercase



Convert all to lowercase

3. Interface

3.1 Serial Interface



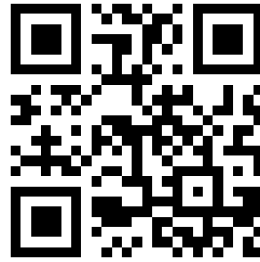
Serial Interface

Parameter	default
Serial Type	TTL-232
Baud Rate	9600
Parity Type	None
(Data Bits	8
Stop Bits	1
Hardware Flow Control	None

3.11 Baud Rate



1200



2400



4800



9600(default)



14400



19200



38400



57600



115200

3.12 Check Digit



Disable Check Digit(default)



Odd Parity



Even Parity

3.2 USB HID-KBW



HID-KBW (default)

3.21 Decode Session Timeout

The interval between the last key release and the next key press of the virtual keyboard is the key interval. The default value is 2ms, and the setting method is described in Appendix D.



Default delay (default)



No Delay



Short Delay



Long Delay



Custom Delay

3.22 Polling Speed



1ms(default)



2ms



3ms



4ms



5ms



6ms



7ms



8ms



9ms



10ms

3.3 USB-CDC



USB-CDC

3.3.1 USB HID-POS

The USB HID-POS interface is recommended for new applications.

Based on the HID interface, no driver installation is required.



HID-POS

Protocol format:

- vid: 0x26f1
- pid: 0x8803

Format of data sent by the host:

Byte	Content
0	Message ID (0x04)
1	Effective data length
2-61	Data
62	0x00, 1 Byte Reserved
63	0x00 (no data after) 0x01 (data after)

Data format sent from the scanner to the host

Byte	Content
0	Message ID (0x02)
1	Effective data length
2-57	Data
58-62	0x00, 5 Bytes Reserved
63	0x00 (no data after) 0x01 (data after)

4. Scan Mode

4.1 Batch Mode

In batch processing mode, when the trigger control interface of the reading module becomes trigger level, the reading module will start shooting and reading; if the control interface is always at trigger level (low level), the module will continue to read the code, and the same barcode can only be read once. When the reading is successful, the reading module will output the programmed content through the communication interface. To start a new batch reading, the host needs to undo the trigger level first and then send out the trigger level.



Batch Mode

4.2 Level Mode

In the trigger mode, when the trigger control interface of the reading module becomes the trigger level, the reading module will start shooting and reading; within the limited time range of "single reading time", if the trigger level is maintained, the reading will be shot continuously until success. When the trigger level is withdrawn, or the reading exceeds the limit of single reading time, the shooting and reading will be suspended. When the reading is successful, the reading module will

output the programmed content through the communication interface.
To start a new trigger reading, the host needs to undo the trigger level
and then issue the trigger level.



Trigger Mode (default)

4.3 Level or Pulse Mode

The trigger mode can choose to use the level maintenance condition or pulse trigger condition. The level maintenance condition means that the level of the trigger signal needs to be maintained during the process from the start of reading to the end of reading. The pulse trigger condition means that the level pulse of the trigger signal is detected, that is, the reading is started, and the reading is ended when the reading is successful or the single reading time limit is reached.



Level Mode(default)



Pulse Mode

4.4 Decode Session Timeout

Single reading time limit: It is the longest time allowed to shoot and read in the trigger mode when the trigger level is maintained. If this time limit is exceeded, the shooting and reading action will be stopped regardless of whether the reading is successful or not. The setting range of single reading time is 1000~3600000ms, and the default time is 3000ms. custom Modify single reading time limit setting method refer to AppendixD.



3000ms (default)



5000ms



Modify Custom Decode Attempt Duration

4.5 Reread Timeout

In order to avoid the same barcode being read many times continuously in a short period of time in the trigger mode, the reading module can be required to delay the same barcode for a set length of time in this mode before allowing the same barcode to be read.

The same reading delay means that after reading a barcode, the same barcode is refused to be read within the set time duration. Only after the time duration is exceeded, it can be read and output.

Set to "No delay for same reading" to output the same barcode read.

Set "Require same reading delay" and set "Disable reread timeout reset", the same barcode can be read and output only after the delay time limit is exceeded.

Set "Require the same reading delay" and set "Enable Re-read Timeout Reset", the same barcode can be read only after the delay time limit is exceeded and the same barcode is not read.

If the same barcode delay time is set to "Infinite Time", the same barcode will not be output.



No Delay for same barcode(default)



Delay for same barcode



Disable Reread Timeout (default)



Enable Reread Timeout

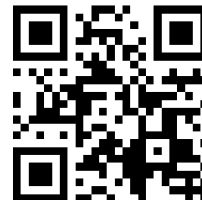
Read the following setting code to quickly modify the same read delay time limit value. The range of the same read delay time is 0~65535ms, and the default time is 1500ms; for customizing the same read delay time, please refer to Appendix D.



No Delay



1000ms



1500ms (default)



3000ms



5000ms



Set Custom Reread Timeout for
same barcode

4.6 Auto-Sensing Mode



Auto-Sensing Mode

4.7 Decode Session Timeout

This parameter sets the maximum time decode session continues during a scan attempt. It is programmable in 1ms increments from 1000ms to 3,600,000ms. When it is set to 0, the timeout is infinite. The default setting is 3,000ms.



3000ms (default)



5000ms



Set Custom Decode Session Timeout

4.8 Reread Timeout

Reread Timeout can avoid undesired rereading of same barcode in a given period of time. This feature is only applicable to the Sense and Continuous modes.



Disable Reread Timeout (default)



Enable Reread Timeout



Disable reread timeout reset
(default)



Enable reread timeout reset



No Reread Timeout



1000ms



1500ms (default)



3000ms



5000ms



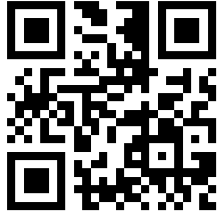
Set Custom Reread Timeout

4.9 Image Stabilization Timeout(Sense Mode)

This parameter defines the amount of time the engine will spend adapting to ambient environment after it decodes a barcode and “looks” for another. It is programmable in 1ms increments from 0ms to 3,000ms. The default setting is 60ms



60ms (default)



500ms



1000ms



Set Custom Image Stabilization
Timeout

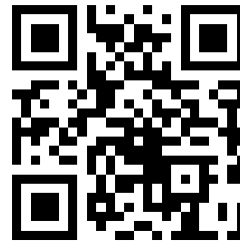
4.10 Sensitivity-Auto Sensing Mode



Normal



Low



High (default)



Extra High

4.11 Continuous Mode



Continuous Mode

4.12 Decode Session Timeout

In continuous mode, it is the maximum time that will continue to be collected and recognized before the successful reading, and after the timeout, it will enter the interval of not collecting and reading according to the setting. The setting range of single reading time is 1000~3600000ms, and the default time is 3000ms. refer to Appendix D for setting method.



3000ms (default)



5000ms



Set Custom

4.13 Timeout Between Decodes

The reading interval time is the interval time between two readings.

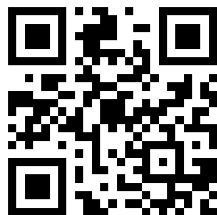
Whether the reading succeeds or fails, there will be a set time interval between the two readings, during which no reading will be collected. The setting range of read interval is 0~65535ms, and the default length is 1000ms.



500ms



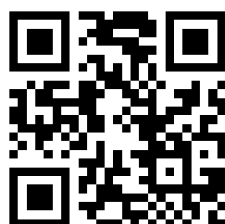
1000ms (default)



长 2000ms



5000ms



0ms



Custom Timeout

4.14 Reread Timeout

Reread Timeout can avoid undesired rereading of same barcode in a given period of time. This feature is only applicable to the Sense and Continuous modes.

After scanning “**Enable Reread Timeout**” and “**Disable Reread Timeout Reset**” barcode, the scanner will only decode the same barcode after the timeout. After scanning **Enable Reread timeout** and **Enable Reread Timeout Reset** barcode, the scanner will only decode the same barcode for one time.

If the **No Reread** barcode is scanned, the scanner will not decode the same barcode



Disable Reread Timeout (default)



Enable Reread Timeout



Disable Reread Timeout Reset

(default)



Enable Reread Timeout Reset

The reread timeout can be set from 0 to 65535ms, The default value is 1500ms.



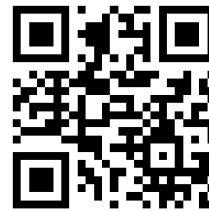
No Reread



1000ms



1500ms(default)



3000ms



5000ms



Set Custom Reread Delay Timeout

5 LED and Aimer

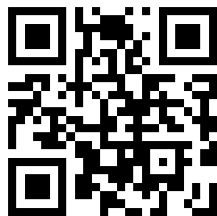
5.1 Illumination LED



Normal (default)



Always Off



Always On

5.2 Aimer



Normal (default)



Always Off



Always On

6 Beeper

6.1 Beeper



Mute



Beeper On(default)

6.2 Startup Beep



On (default)



Off

6.3 Good Read Beep



On (default)



Off

6.4 Beeper Type



Type 1



Type 2



Type 3 (default)

6.5 Beeper Volume



High (default)



Medium



Low

6.6 Setup Beep



On (default)



Off

6.7 Good Read LED Indicator



On (default)



Off



LED-Duration 100ms



LED-Duration 200ms (default)



LED-Duration 500ms



Set Custom LED Duration

6.8 Not Good Read (NGR)



Transmit NGR



Do not Transmit NGR (default)

Modify NGR

The NGR can be set from 0 to 7 characters according to ASCII Chart, character range is from 0 to 255.



Modify NGR

7. Data Format

After configuration, the scanner can output the decoded data as below format:

[Code ID] + [Prefix] + [DATA] + [Suffix] + [Terminator]
[Prefix] + [Code ID] + [DATA] + [Suffix] + [Terminator]

7.1 Data Edit



Enable Data Edit



Disable Data Edit

7.2 Prefix and Code ID sequence



Code ID+ Prefix



Prefix+Code ID (default)

7.3 Custom Prefix

7.3.1 Custom Prefix



Enable Custom Prefix



Disable Custom Prefix (default)

7.3.2 Set Custom Prefix

Up to 16 ASCII characters may be added as a custom prefix, please reference the ASCII Chart in Appendix C for desired character.



Set Custom Prefix

Example: Set custom prefix as "CODE" :

1. Reference the ASCII chart in Appendix 3 to find out the hex value assigned to the desired character. The corresponding hex number for the "CODE" 4 is **43**、**4F**、**44**、**45**;
2. Scan **Enter Setting** barcode
3. Scan **Set Custom Prefix** barcode
4. Scan "4" "3" "4" "F" "4" "4" "4" "5" barcodes from Digit barcodes.
5. Scan **Save** barcode

7.4 Code ID

7.4.1 Add Code ID



Enable Code ID



Disable Code ID (default)



Restore to default CODE ID

7.4.2 Modify Code ID

Example Modify PDF417 Code ID to 'p' :

1. Reference the ASCII chart in Appendix 3 to find out the hex value assigned to the desired character. The corresponding hex number for the "P" is 70.
2. Scan "Enter Setting" barcode
3. Scan "Modify PDF417 Code ID" barcode
4. Scan "7" , "0" digit barcodes
5. Scan "Save" barcode
6. Scan "Exit Setting" barcode.

Modify Code ID List:



Modify PDF417 Code ID



Modify Code128 Code ID



Modify QR Code ID



Modify DM Code ID



Modify EAN8 Code ID



Modify EAN13 Code ID



Modify UPCE0 Code ID



Modify UPCE1 Code ID



Modify UPCA Code ID



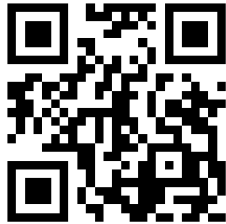
Modify IATA25 Code ID



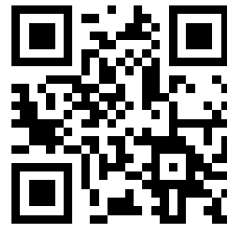
Modify Code 39 Code ID



Modify Code 93 Code ID



Modify Interleaved 2 of 5 Code ID



Modify Codabar Code ID



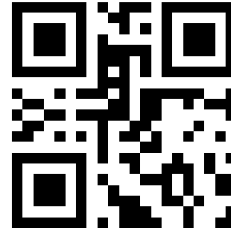
Modify Industrial 25 Code ID



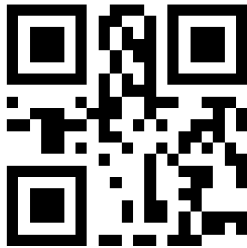
Modify Matrix 25 Code ID



Modify Code 11 Code ID



Modify MSI Plessey Code ID



Modify Micro QR Code ID



Modify Code32 Code ID



Modify ISBN Code ID



Modify ISSN Code ID

7.5 Custom Suffix

7.5.1 Custom Suffix



Enable Custom Suffix



Disable Custom Suffix(default)

7.5.2 Set Custom Suffix

Up to 16 ASCII characters may be set up as a custom suffix. Please reference the ASCII chart in Appendix C to desired characters.



Set Custom Suffix

Example: Set Custom Suffix to "CODE" :

1. Reference the ASCII chart in Appendix 3 to find out the hex value assigned to the desired character. The corresponding hex number for the

"CODE" is **43**、**4F**、**44**、**45**

2. Scan **Enter Setting** barcode

3. Scan **Set Custom Custom** barcode

4. Scan "4" "3" "4" "F" "4" "4" "4" "5" barcodes from Digit barcodes.

5. Scan **Save** barcode

7.6 Terminator Suffix

7.6.1 Add Terminator Suffix



Add Terminator Suffix (default)



No Terminator Suffix

7.6.2 Modify Terminator Suffix



Set Terminator Suffix as
0x0D((default)



Set Terminator Suffix as 0x0D 0x0A



Set Terminator Suffix

Example : Set Terminator Suffix to 0x0D :

1. Scan **Enter Setting** barcode
2. Scan **Set Terminator Suffix** barcode

-
3. Scan Digital Barcodes "0" , "D" .
 4. Scan "Save" barcode.

7.6.7 Data Edit

7.7.1 Start/Center/End Data

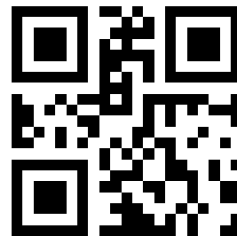
Decoded Data is consists of three parts of data: [Start][Center][End].

User can select desired data parts by scanning corresponding setting codes below.

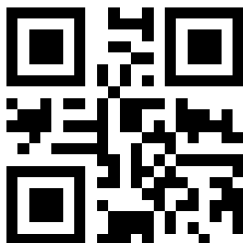


Transmit the complete Data

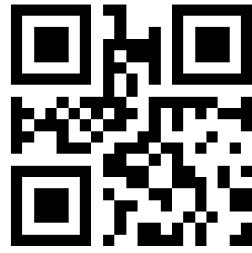
(default)



Only Transmit Start data



Only transmit End data



Only Transmit Center Data

7.7.2 Modify Length Range to Data



Modify Length Range to Start

Data



Modify Length Range to End Data

To be used by reading the corresponding setup code and in combination with the data code. Length Modify range 0-255.

The length of the Modify Start segment is 0x02, Example:

1. the hexadecimal value of 0x02 is represented by the data code "0", "2".
2. Scan the "On Set Code".

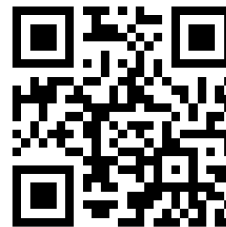
-
3. Scan the "Modify Start segment length" setting code.
 4. Scan the data code "0", "2";
 5. Scan "Save";

7.8 Decode Format

To allow the device to print various types of data in the specified encoding format, you can set the "Output Data Encoding Format". This includes GBK, UTF-8, UNICODE. default GBK format.



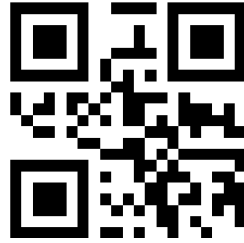
GBK (default)



UTF8



UNICODE



Original Data Format

7.9 ECI Mode



Enable ECI (default)

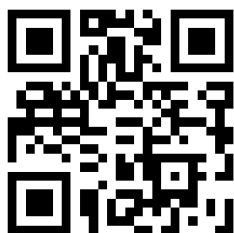


Disable ECI

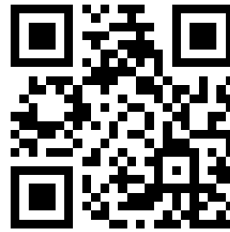
8. Symbologies

8.1 Global Setting

8.1.1 All Symbologies



Enable All Symbologies



Disable All Symbologies

8.1.2 All 1D Symbologies



Enable All 1D Symbologies



Disable All 1D Symbologies

8.1.3 All 2D Symbologies



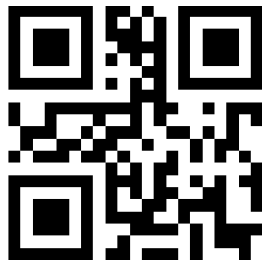
Enable All 2D Symbologies



Disable All 2D Symbologies

8.2 Inverse Barcodes

8.2.1 All Inverse Barcodes



Enable

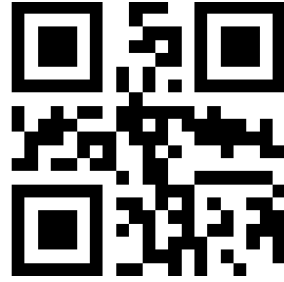


Disable (default)

8.2.2 1D Inverse Barcodes

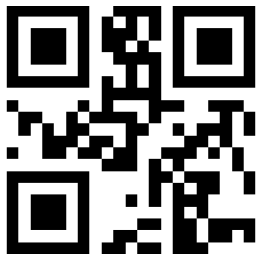


Enable



Disable (default)

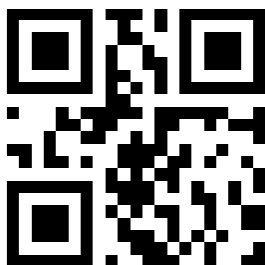
8.2.3 2D Inverse Barcodes



Enable PDF417 Inverse



Disable Inverse PDF417
(default)



Enable Inverse DM



Disable Inverse DM(default)



Enable QR Inverse



Disable QR (default)

8.3 Code 128

8.3.1 Restore Default



Restore Code 128 default

8.3.2 Enable/Disable Code 128



Enable Code 128 (default)



Disable Code 128

8.3.3 Set Length Range



Set the Minimum Length as 00

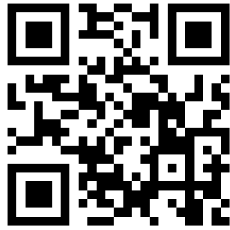
(default)



Set the minimum length to 04



Set the Maximum Length to 32



Set the Maximum Length to 255

(default)



Set the Custom Minimum Length



Set the Custom Maximum Length

8.4 EAN-8

8.4.1 Restore to default



Restore to default

8.4.2 Enable/Disable EAN-8



Enable EAN-8 (default)



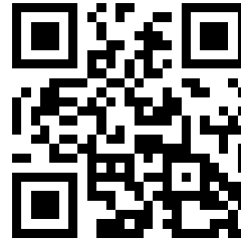
Disable EAN-8

8.4.3 Transmit Check Digit

EAN-8 barcode data is fixed to 8 characters, and the last character is check digit.



Transmit Check Digit (default)



Do not Transmit Check Digit

8.4.4 Add-On Code



*Disable 2 Add-On Code



Enable 2 Add-On Code



Disable 5 Add-On Code(default)



Enable 5 Add-On Code

8.5 EAN-13

8.5.1 Restore to default



Restore to default

8.5.2 Enable/Disable EAN-13



Enable EAN-13 (default)



DisableEAN-13

8.5.3 Transmit Check Digit



Transmit Check Digit (default)



Do not Transmit Check Digit

8.5.4 Add-On Code



Disable2 Add-On Code

(default)



Enable 2 Add-On Code

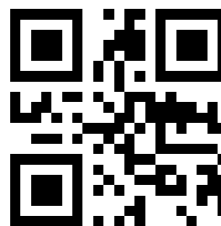


Disable 5 Add-On Code
(default)



Enable 5 Add-On Code

8.5.5 Convert EAN13 to ISBN



Do not Convert EAN13 to ISBN
(default)



Convert EAN13 to ISBN

8.5.6 Convert EAN13 to ISSN



Do not Convert EAN13 to ISSN
(default)



Convert EAN13 to ISSN

8.6 UPCE0

8.6.1 Restore to factory default



Restore to factory default

8.6.2 Enable/Disable UPCE0

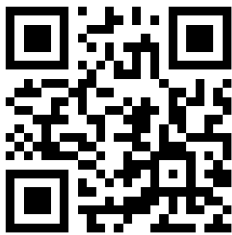


Enable UPCE0 (default)



Disable UPCE0

8.6.3 Transmit Check Digit



Transmit Check Digit (default)



Do not Transmit Check Digit

8.6.4 System Character



Transmit System Character
(default)



Do Not Transmit System
Character

8.7 UPCE1

8.7.1 Restore to default



Restore to default

8.7.2 Enable/Disable UPCE1



EnableUPCE1 (default)



DisableUPCE1

8.7.3 Transmit Check Digit



Transmit Check Digit (default)



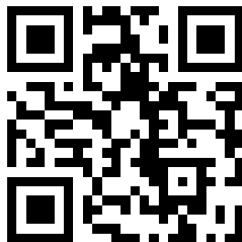
Do not Transmit Check Digit

8.7.4 Transmit System Character



Transmit System Character

(default)



Do not Transmit System Character

8.7.5 Add-On Code

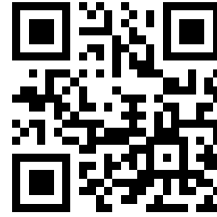


Disable 2 Add-On Code

(default)



Enable 2 Add-On Code



Disable 5 Add-On Code
(default)



Enable 5 Add-On Code

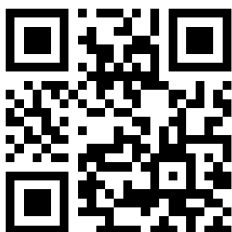
8.8 UPCA

8.8.1 Restore to default



Restore to default

8.8.2 Enable/Disable UPCA



Enable UPCA(default)



Disable UPCA

8.8.3 Convert UPCA to EAN13



Disable (default)

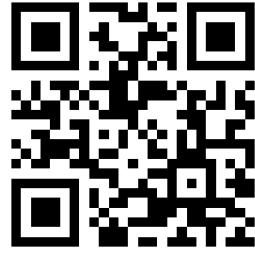


Enable

8.8.4 Transmit Check Digit



Transmit Check Digit (default)



Do not Transmit Check Digit

8.8.5 Transmit System Character



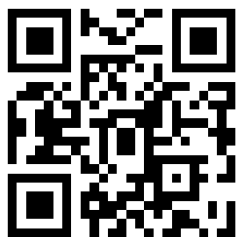
Transmit System Character

(default)



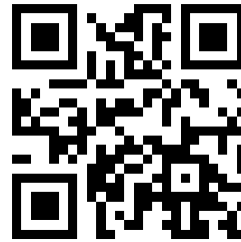
Do not Transmit System Character

8.8.6 Add-On Code



Disable2 Add-On Code

(default)



Enable 2 Add-On Code



Disable 5 Add-On Code

(default)



Enable 5 Add-On Code

8.9 Interleaved 2 of 5

8.9.1 Restore to default



Restore to default

8.9.2 Enable/Disable InterLeaved25



Enable InterLeaved 25 (default)



Disable InterLeaved25

8.9.3 Set Length Range



Set the Minimum Length as 00
(default)



Set the minimum length to 04



Set the Maximum Length to 32



Set the Maximum Length to 255

(default)



Set the Custom Minimum Length



Set the Custom Maximum Length

8.9.4 Check Digit



Disable Check Digit (default)



USS Check Digit but Do not
Transmit Check Digit



USS Check Digit and Transmit
Check Digit

8.10 Matrix 2 of 5

8.10.1 Restore to default



Restore to default

8.10.2 Enable/Disable Matrix 25



Enable Matrix 25



Disable Matrix 25 (default)

8.10.3 Set Length Range



Set the Minimum Length as 00
(default)



Set the minimum length to 04



Set the Maximum Length to 32



Set the Maximum Length to 255

(default)



Set the Custom Minimum Length



Set the Custom Maximum Length

8.10.4 Check Digit

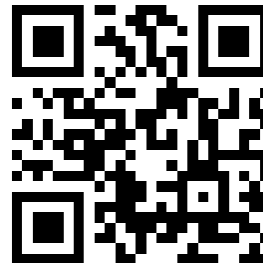


Disable Check Digit (default)



Enable but Do no Transmit Check

Digit



Enable and Transmit Check Digit

8.11 Industrial 2 of 5

8.11.1 Restore to default



Restore to default

8.11.2 Enable/Disable Industrial 25



Enable Industrial 25



Disable Industrial 25 (default)

8.11.3 Set Length Range



Set the Minimum Length as 00
(default)



Set the minimum length to 04



Set the Maximum Length to 32



Set the Maximum Length to 255

(default)

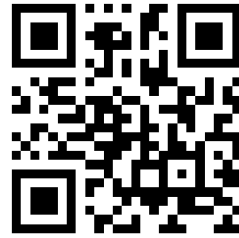


Set the Custom Minimum Length



Set the Custom Maximum Length

8.11.4 Check Digit



Disable Check Digit (default)



Enable but Do no Transmit Check
Digit



Enable and Transmit Check Digit

8.12 IATA 2 of 5

7.12.1 Restore to default

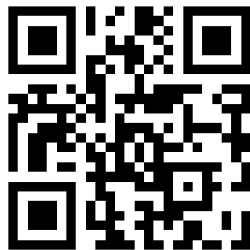


Restore to default

8.12.2 Enable/Disable IATA 25



Enable IATA 25



Disable IATA 25 (default)

8.12.3 Set Length Range



Set the Minimum Length as 00
(default)



Set the minimum length to 04



Set the Maximum Length to 32



Set the Maximum Length to 255
(default)



Set the Custom Minimum Length



Set the Custom Maximum Length

8.12.4 Check Digit



Disable Check Digit (default)



Enable but Do no Transmit Check
Digit



Enable and Transmit Check Digit

8.13 Code 39

8.13.1 Restore to default



Restore to default

8.13.2 Enable/Disable Code 39



Enable Code 39 (default)



Disable Code 39

8.13.3 Transmit Start Character

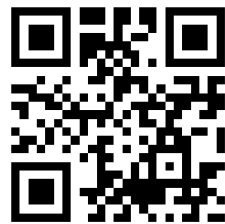


Transmit Start Character



Do not Transmit Start Character
(default)

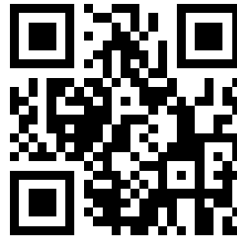
8.13.4 Set Length Range



Set the Minimum Length as 00
(default)



Set the minimum length to 04

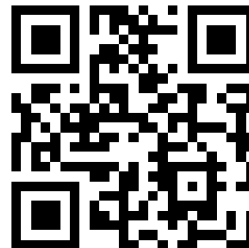


Set the Maximum Length to 32



Set the Maximum Length to 255

(default)



Set the Custom Minimum Length



Set the Custom Maximum Length

8.13.5 Check Digit



Disable Check Digit

(default)



Enable but Do not Transmit Check
Digit

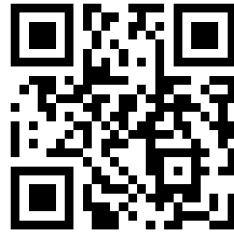


Enable and Transmit Check Digit

8.13.6 Disable/Enable Code32



Disable Code32 (default)



Enable Code32

8.13.7 Full ASCII



Enable Full ASCII



Disable Full ASCII (default)

8.14 Codabar

7.14.1 Restore to default



Restore to default

8.14.2 Enable/Disable Codabar



Enable Codabar (default)



Disable Codabar

8.14.3 Set Length Range



Set the Minimum Length as 00

(default)



Set the minimum length to 04



Set the Maximum Length to 32



Set the Maximum Length to 255

(default)



Set the Custom Minimum Length



Set the Custom Maximum Length

8.14.4 Transmit Check Digit



Disable Check Digit (default)



MOD 10 / Enable and Transmit

Check Digit



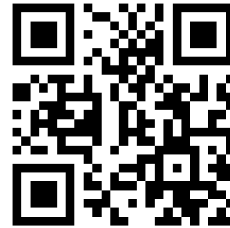
MOD 10 / Enable but Do not

Transmit Check Digit



MOD 16 / Enable and Transmit

Check Digit



MOD 16 / Enable but Do not
Transmit Check Digit

8.14.5 Start/Stop Character



Do not Transmit Start/Stop Character

The start character of Codabar may be set to one of the "A" , "B" ,
"C" , "D" . Stop Character may be set to one of "T" 、 "N" 、
"*" 、 "E"



ABCD/ABCD (default)



ABCD/TN*E



abcd/abcd



abcd/tn *e

8.15 Code 93

8.15.1 Restore to default



Restore to default

8.15.2 Enable/Disable Code 93



Enable Code 93 (default)



Disable Code 93

8.15.3 Set Length Range



Set the Minimum Length as 00

(default)



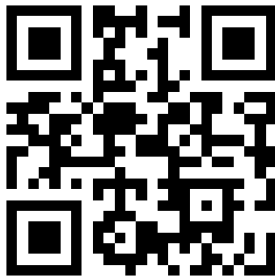
Set the minimum length to 04



Set the Maximum Length to 32



Set the Maximum Length to 255
(default)



Set the Custom Minimum Length



Set the Custom Maximum Length

8.16 Code 11

8.16.1 Restore to default



Restore to default

8.16.2 Enable/Disable Code 11

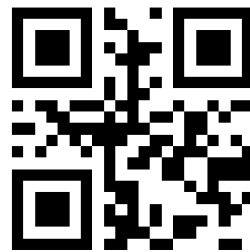


Enable Code 11

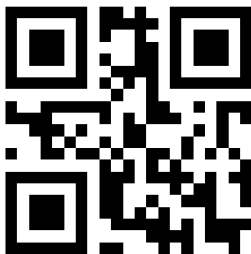


Disable Code11 (default)

8.16.3 Set Length Range



Set the Minimum Length as 00
(default)



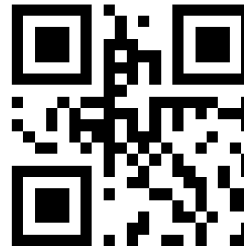
Set the minimum length to 04



Set the Maximum Length to 32



Set the Maximum Length to 255
(default)



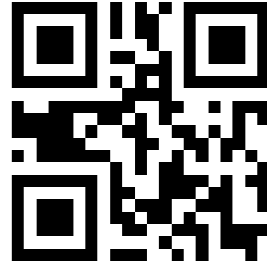
Set the Custom Minimum Length



Set the Custom Maximum Length

8.17 MSI Plessey

7.17.1 Restore to default



Restore to default

8.17.2 Enable/Disable MSI Plessey



Enable MSI Plessey



Disable MSI Plessey (default)

8.17.3 Set Length Range



Set the Minimum Length as 00

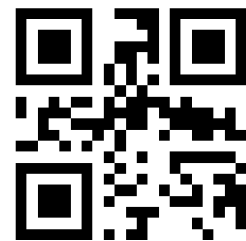
(default)



Set the minimum length to 04

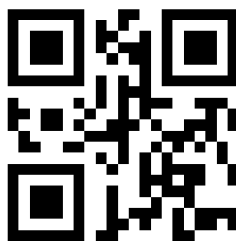


Set the Maximum Length to 32



Set the Maximum Length to 255

(default)



Set the Custom Minimum Length



Set the Custom Maximum Length

8.17.4 PDF 417

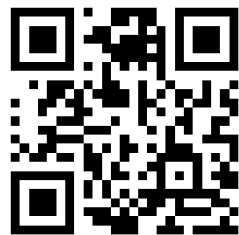


Enable PDF 417 (default)



Disable PDF 417

8.17.5 QR Code

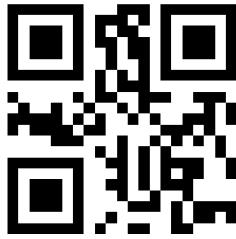


Enable QR (default)



Disable QR

8.17.6 Micro QR



Enable Micro QR



Disable Micro QR (default)

8.17.7 Data Matrix



Enable Data Matrix (default)



Disable Data Matrix

9. Query Firmware Version



Query Firmware Version

10. Digit barcodes

Digit Barcodes 0~F



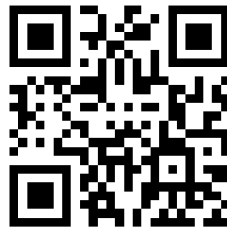
0



1



2



3



4



5



6



7



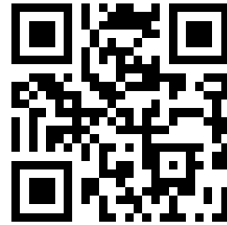
8



9



A



B



C



D



E



F

10. Save or Cancel



Save



Cancel Last Data



Cancel a string of data



Cancel current settings

Appendix A: Code ID

Barcode Type	Code ID
Code128	j
EAN-8	d
EAN-13	d
UPC-E0	c
UPC-E1	c
UPCA	c
Interleaved 2 of 5	e
Matrix 2 of 5	v
Industrial 2 of 5	D
IATA25	s
Code 39	b
Codabar	a
Code 93	i
PDF417	r
QR	Q
Data Matrix	u
Code 11	H
MSI Plessey	J
Micro QR	Q
Code32	b
ISBN	d
ISSN	d

Appendix B: ASCII Chart

hex	dec	char
00	0	NUL (Null char.)
01	1	SOH (Start of Header)
02	2	STX (Start of Text)
03	3	ETX (End of Text)
04	4	EOT (End of Transmission)
05	5	ENQ (Enquiry)
06	6	ACK (Acknowledgment)
07	7	BEL (Bell)
08	8	BS (Backspace)
09	9	HT (Horizontal Tab)
0a	10	LF (Line Feed)
0b	11	VT (Vertical Tab)
0c	12	FF (Form Feed)
0d	13	CR (Carriage Return)
0e	14	SO (Shift Out)
0f	15	SI (Shift In)
10	16	DLE (Data Link Escape)
11	17	DC1 (XON) (Device Control 1)
12	18	DC2 (Device Control 2)
13	19	DC3 (XOFF) (Device Control 3)
14	20	DC4 (Device Control 4)
15	21	NAK (Negative Acknowledgment)
16	22	SYN (Synchronous Idle)
17	23	ETB (End of Trans. Block)
18	24	CAN (Cancel)
19	25	EM (End of Medium)
1a	26	SUB (Substitute)
1b	27	ESC (Escape)
1c	28	FS (File Separator)

1d	29	GS (Group Separator)
1e	30	RS (Request to Send)
1f	31	US (Unit Separator)
20	32	SP (Space)
21	33	! (Exclamation Mark)
22	34	" (Double Quote)
23	35	# (Number Sign)
24	36	\$ (Dollar Sign)
hex	dec	char
25	37	% (Percent)
26	38	& (Ampersand)
27	39	` (Single Quote)
28	40	((Right / Closing Parenthesis)
29	41) (Right / Closing Parenthesis)
2a	42	* (Asterisk)
2b	43	+ (Plus)
2c	44	, (Comma)
2d	45	- (Minus / Dash)
2e	46	. (Dot)
2f	47	/ (Forward Slash)
30	48	0
31	49	1
32	50	2
33	51	3
34	52	4
35	53	5
36	54	6
37	55	7
38	56	8
39	57	9
3a	58	: (Colon)
3b	59	; (Semi-colon)

3c	60	< (Less Than)
3d	61	= (Equal Sign)
3e	62	> (Greater Than)
3f	63	? (Question Mark)
40	64	@ (AT Symbol)
41	65	A
42	66	B
43	67	C
44	68	D
45	69	E
46	70	F
47	71	G
48	72	H
49	73	I
4a	74	J
4b	75	K
4c	76	L
hex	dec	char
4d	77	M
4e	78	N
4f	79	O
50	80	P
51	81	Q
52	82	R
53	83	S
54	84	T
55	85	U
56	86	V
57	87	W
58	88	X
59	89	Y
5a	90	Z

5b	91	[(Left / Opening Bracket)
5c	92	\ (Back Slash)
5d	93] (Right / Closing Bracket)
5e	94	^ (Caret / Circumflex)
5f	95	_ (Underscore)
60	96	' (Grave Accent)
61	97	a
62	98	b
63	99	c
64	100	d
65	101	e
66	102	f
67	103	g
68	104	h
69	105	i
6a	106	j
6b	107	k
6c	108	l
6d	109	m
6e	110	n
6f	111	o
70	112	p
71	113	q
72	114	r
73	115	s
74	116	t
hex	dec	char
75	117	u
76	118	v
77	119	w
78	120	x
79	121	y

7a	122	z
7b	123	{ (Left/ Opening Brace)
7c	124	(Vertical Bar)
7d	125	} (Right/Closing Brace)
7e	126	~ (Tilde)
7f	127	DEL (Delete)