


# User Manual


## DT3108



### Barcodescanner – DT3108

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## Introduction

Thank you for trusting a product from DTRONIC. Please read the contents of the user manual carefully in order to use the products safely and effectively.

You are advised to keep this manual correctly for your installation and as a reference. Please do not disassemble the product or tear off the seal, otherwise we will not provide warranty or replacement service.

The illustrations in this user manual are for reference only. If there are images that do not match the actual product, please take the actual product as standard.

Updated information is subject to change without notice. All information in this manual is copyrighted and our company reserves all rights. It is prohibited to distribute, copy, compile or sell all or part of this manual without our written permission.

DTRONIC is a BOIP registered trademark and legally protected in cooperation with GS1. Diwolar is the only company with the rights to market this trademark. If you have purchased a product that was not purchased through Diwolar, the warranty is void. When contacting customer service always ask for the order number. This user manual applies to DTRONIC barcode scanners that identify barcodes using a laser scan pattern.

DTRONIC is not liable for damages and defects suffered when the barcode scanner fails, does not work properly or is misused.

Do you have any questions about your product? We will be happy to assist you.

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	WhatsApp: +316 45 733 500	Bereikbaar van 09:00-17:00u
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### Kind regards, team Dtronic

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# 1. Product

## 1.1 Function

- Works with Plug&Play and without installation software.
- Works with most WMS systems.
- Some WMS or POS systems must be set up to use a scanner.
- Device the scanner is connected to will see it as keyboard.
- Basically the scanner scans the 95% of bar codes, remaining 5% can be set as desired with this manual.
- There are patented parts in the scanner, DTRONIC has the rights to sell these items on the Dutch, Belgian and German market

## 1.2 Unbox

After opening the box containing the product, perform the following steps:

- Remove the scanner accessories from the packaging.
- Remove the scanner from the packaging.
- At the packing list, check that everything is complete and in good condition. If there are damaged or missing parts, save the original packaging and contact DTRONIC for customer service.

Packing list:

1. Handheld scanner
2. USB Connection Cable (for wireless scanners, this is the charging cable).
3. Paperclip
4. Abridged user manual

## 1.3 Start

Startup: connect the computer to the scanner. The computer will recognize it as a keyboard and the scanner can be used.

Power off: remove the cable connected to the scanner; remove the USB connected to the computer.

Restart: if the scanner crashes or is unresponsive, turn it off and restart it. Optionally, use the factory setting from this manual

## 1.4 Window

The scanning window must be kept clean, the supplier does not bear the warranty responsibility due to improper maintenance. Prevent the window from wearing out or being scratched by a hard object. Use a soft cloth to remove stain on the scanning window. Clean the scan window with a soft cloth, such as a lens cleaning cloth

Spraying liquid on the scan window is prohibited. Prohibit all cleaning solvents except cleaning water.






## 1.5 Reading

If the bar code is small, it should be closer to the scan window; if the bar code is large, it should be further away from the scan window for easier reading.

If the bar code is highly reflective (for example, the coated surface), you may need to tilt the bar code at an angle to scan the bar code. The best distance to read a bar code is 10-15 cm

## 1.6 Picture

## 1.7 Led indicator

	INDICATOR STATUS	EXPLAIN
	Red light on	Charging
	Red light off	No charging
	Green light on	No decoding
	Green light off	Decode succesfully
	One blue light on	Pairing successful or connect to USB

## 2. System Setup

### 2.1 System Setup

Option and function setting mainly by reading a series of special bar codes. In this chapter, we give you a detailed introduction to the options and functions available for user setup and the corresponding setup code.

This method of setting up the scan is direct, easy to understand and user-friendly.

#### 2.1.1 Setup code

	
Startup settings (default)	Exit Settings

#### 2.1.2 Restore factory default settings


Restore factory settings

#### 2.1.3 Product User Settings

	
Save user default settings	Restore user default settings






### 2.1.4 Led

	
Always off	Always on
	
Blink test mode	Disable blink test mode

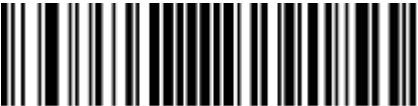
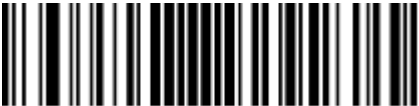
### 2.1.5 Beeper Duration

	
Short	Normal
	
2.7Khz	Mute

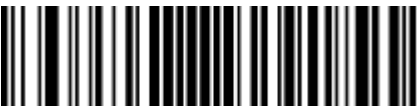
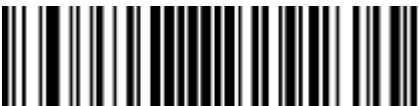
### 2.1.6 Beeper settings

	
Volume set to High (50%) (default)	Volume set to midrange (25%)
	
Volume set to bass (12.5%)	



### 2.1.7 Set the beep switch

	
Open (default)	Close

### 2.1.8 Power on beep switch

	
Open (default)	Close


### 2.1.9 Read success beep switch

	
Open (default)	Close

## 2.2 Reading mode settings

### 2.2.1 Continuous mode (default)

When the reading setting code is switched to this mode, it enters the continuous reading state. In this mode, the "repeat read switch" can be used to prevent the same barcode from being read more than once.






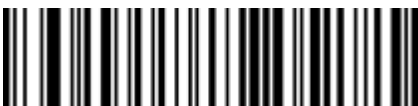

Continuous mode (default)

## 2.2.2 Auto Scan mode

	
Auto scan	Delay 50ms
	
Delay 100ms	Delay 300ms

## 2.3 Communication settings

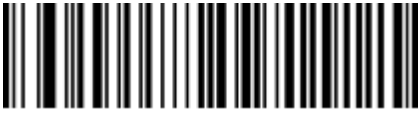









### 2.3.1 Communication settings

	
USB HID (default)	USB serial port
	
RS-232 serial port	Mac
	
USB CDC	Enable virtual keyboard
	
Disable virtual keyboard	

### 2.3.2 USB keyboard

Portuguese (Brazil) cannot output "?" and "/" .

	
Nederlands	Italian
	
Spanish (Brazil)	Portuguese

	
Portuguese (Brazil)	French
	
German (Austria)	Turkish Q
	
Turkish F	English (UK)
	
Japanese	German (Switzerland)
	
French (Belgium)	America

### 2.3.3 USB keyboard sending speed


If there is missed data at the receiver side, the occurrence speed should be turned down, which is easy to occur at the receiver side with poor performance.

	
5 ms (default)	10 ms

	
20 ms	

### 2.3.4 Set USB keyboard sending speed





USB keyboard send speed, unit is milliseconds (ms). The default value is 5ms, the settable time range: 0ms~200ms.


Set USB keyboard sending speed

Setting the USB keyboard to send speed of 50ms can be set by reading the following barcodes in order.

1. Read "Startup Settings"
2. Read the "Set USB keyboard send speed" setting code
3. Read data code: "5" "0" (see data code table)
4. Read "Save" (see data code table)
5. Read "Exit Settings"

### 2.3.5 Serial communication settings

	
Data bit 7	Data bit 8
	
Stop bit 1	Stop bit 2

### 2.3.6 Serial port baud rate setting

	
Baud rate 4800	Baud rate 9600 (default)
	
Baud rate 19200	Baud rate 38400
	
Baud rate 57600	Baud rate 115200

### 2.3.7 Serial port parity bit setting

	
No checksum (default)	Odd calibration
	
Even Check	

### 2.3.8 Custom prefix on/off settings

Custom prefixes add a user-defined string before the decoded information. For example, if you allow to add a custom prefix and set the prefix to the string "AB", after reading the barcode with the data "123", the scanner adds the string "AB" before the string "123", and the host side receives "AB123". After the barcode reading data is "123", the scanner will add the string "AB" before the string "123", and the host side will receive "AB123".

If set to "Off", the decoded information will only have the barcode data information, no prefix, and the default value is to turn off the custom prefix output.

Enable	Disable (default)
Clear all custom prefixes	

### 2.3.9 Customized prefixes

The custom prefix adds a user-defined string before the decoded information, and the output format after customization is "Custom Content + Barcode Content".

Set the custom prefix to 'a' (the hex value of a is 0x61)

1. Read "Startup Settings"
2. Read the "Custom Prefix" setting code
3. Check the ASCII code of the character "a": the ASCII code of "a" is "0x61" (see ASCII code table)
4. Read data code: "6" "1" (see data code table)
5. Read "Save" (see data code table)
6. Read "Exit Settings"

Customized prefixes



### 2.3.10 Custom suffix on/off settings

The custom suffix adds a user-defined string after the decoded information. For example, it is allowed to add a custom suffix and set the suffix to the string "AB", after reading the barcode with the data of "123", the scanner adds the string "AB" after the string "123", and the host side receives "123AB". After the barcode reading data is "123", the scanner will add the string "AB" after the string "123", and the host side will receive "123AB".

If set to "Off", only the barcode data information will be in the decoded information, no suffix, and the default value is to turn off the custom suffix output.

Enable	Disable (default)
Clear all custom suffixes	Output all

### 2.3.11 Custom suffixes

Custom suffix adds a user-defined string after the decoded information, and the output format after customization is "barcode content + custom content".

Set the custom suffix to 'a' (the hex value of a is 0x61)

1. Read "Startup Settings"
2. Read the "Custom Suffix" setting code
3. Check the ASCII code of the character "a": the ASCII code of "a" is "0x61" (see ASCII code table)
4. Read data code: "6" "1" (see data code table)
5. Read "Save" (see data code table)
6. Read "Exit Settings"

Custom suffixes





### 2.3.12 Custom ID output method

The user can use Code ID to identify the barcode type and the Code ID corresponding to each barcode type is customizable. The Code ID for all barcodes is 1 character.

Close Code ID (default): Code ID is not spliced to the read string.  
 Code ID prefix: The Code ID is spliced before the recognition string.  
 Code ID suffix: The Code ID is spliced after the recognition string.

Restore the Code ID of all barcodes, including Codabar, to the default value of.

1. Read "Startup Settings"
2. Read "Clear all custom Code IDs".
3. Read "Exit Settings"


	
Disable CODE ID (default)	Code ID prefix
	
Code ID suffix	Clear all custom Code IDs

### 2.3.13 Customize Code ID

Please refer to the following example for how to modify the Code ID.

Modify the Code ID of Codabar (Code ID:0x61) to "Y" (hexadecimal value 0x59).



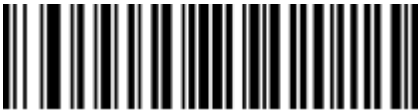



1. Read "Startup Settings"
2. Read "Custom Code ID"
3. Check the Code ID of the barcode: the Code ID of "Codabar" is "0x61" (see the list of code system support)
4. Check the ASCII code of the character "Y": the ASCII code of "Y" is "0x59" (see ASCII code table)
5. Read data code: "6" "1" "5" "9" (see data table)
6. Read "Save" (see data code table)
7. Read "Exit Settings"


Custom Code ID

### 2.3.14 Terminator settings

The terminator suffix is used to mark the end of a complete piece of data information. The terminator suffix stands alone and does not participate in any other form of data formatting. The terminator suffix must be the last piece of data sent, and no additional data will be added thereafter.

The ending character can be set to carriage return, line feed, carriage return line feed, tab or ETX, and the default ending character is set to carriage return.

	
No terminator	Enter (default)
	
Line Feed (Down)	Carriage return + Line feed (Enter+Down)
	
Tab	ETX

## 2.3.15 CTRL + X




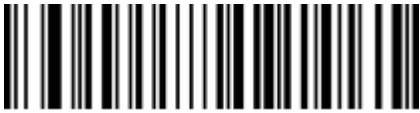
Non- printable ASCII control characters			Keyboard Control + ASCII ( CTRL+ X) Mode		
DEC	HEX	Char	Control + X Mode Off	Windows Mode Control + X Mode On	
				CTRL + X	CTRL + X function
0	00	NUL		CTRL+ @	
1	01	SOH	NP Enter	CTRL+ A	Select all
2	02	STX	Caps Lock	CTRL+ B	Bold
3	03	ETX	ALT Make	CTRL+ C	Copy

4	04	EOT	ALT Break	CTRL+ D	Bookmark
5	05	ENQ	CTRL Make	CTRL+ E	Center
6	06	ACK	CTRL Break	CTRL+ F	Find
7	07	BEL	Enter / Ret	CTRL+ G	
8	08	BS		CTRL+ H	History
9	09	HT	Tab	CTRL+ I	Italic
10	0A	LF		CTRL+ J	Justify
11	0B	VT	Tab	CTRL+ K	hyperlink
12	0C	FF	Delete	CTRL+ L	list, left align
13	0D	CR	Enter / Ret	CTRL+ M	
14	0E	SO	Insert	CTRL+ N	New
15	0F	SI	ESC	CTRL+ O	Open
16	10	DLE	F11	CTRL+ P	Print
17	11	DC1	Home	CTRL+ Q	Quit
18	12	DC2	PrtScn	CTRL+ R	
19	13	DC3	Backspace	CTRL+ S	Save

20	14	DC4		CTRL+ T	
21	15	NAK	F12	CTRL+ U	
22	16	SYN	F1	CTRL+ V	Paste
23	17	ETB	F2	CTRL+ W	
24	18	CAN	F3	CTRL+ X	
25	19	EM	F4	CTRL+ Y	
26	1A	SUB	F5	CTRL+ Z	
27	1B	ESC	F6	CTRL+ [	
28	1C	FS	F7	CTRL+ \	
29	1D	GS	F8	CTRL+ ]	
30	1E	RS	F9	CTRL+ ^	
31	1F	US	F10	CTRL+ -	
127	7F	␣	NP Enter		

### 2.3.16 Case output settings

Case conversion for characters in a string, prefix and suffix have no effect.



	
Normal output (default)	Convert Case
	
Convert all to Uppercase	Convert All to lowercase

## 2.4 Symbologies



Each type of barcode has its own unique properties, and the setup codes in this chapter allow you to adjust the scanner to accommodate these property changes.

The fewer barcode types that are turned on, the faster the scanner will Scan. You can turn off the barcode types that will not be used to improve the performance of the scanner.



### 2.4.1 1D all symbologies

	
Enable	Disable



### 2.4.2 2D all symbologies

	
Enable	Disable



### 2.4.3 QR mirror code

	
Enable	Disable



### 2.4.4 Data matrix mirror code

	
Enable	Disable





**2.4.5 Mirror Code for all symbologies**

	
Enable	Disable

**2.4.6 All barcodes**





	
Close all barcodes	Turn on all barcodes

**2.4.7 EAN8 Settings**

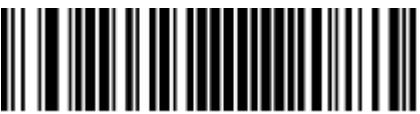

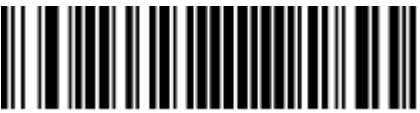
	
EAN8 on (default)	EAN8 off
	
Convert EAN8 to EAN13	Do not Convert EAN8 to EAN13 (default)

**2.4.8 Code 11 Settings**



	
Enable	Disable

	
1 check bit	2 check bits
	
Transmit check bit	Not transmit check bit

### 2.4.9 Add-on code setting

	
Adaptive UPC/EAN add-on codes	Only Decode UPC/EAN Add-on codes
	
Ignore UPC/EAN add-on codes (default)	



### 2.4.10 EAN 13 settings

	
EAN13 on (default)	EAN13 off





**2.4.11 ISSN**







**2.4.12 ISSN Settings**


	
Convert EAN-13 to ISSN	Do not Convert EAN-13 to ISSN (default)

**2.4.13 ISBN setting**







	
Convert EAN13 to ISBN	Do not Convert EAN13 to ISBN (default)

**2.4.14 UPC-A settings**



	
Transmit UPC-A check character (default)	Do not Transmit UPC-A check character
	
Convert UPC-A to EAN13 (default)	Do not Convert UPC-A to EAN13
	
Enable	Disable

	
Output digital	Not output digital


**2.4.15 UPC-E settings**

	
UPC-E on (default)	UPC-E Off
	
Transmit UPC-E Check Character (default)	Do no Transmit UPC-E transmission Check Character
	
Convert UPC-E to UPC-A	Do not Convert UPC-E to UPC-A (default)











**2.4.16 UPCE**

	
Enable	Disable


**2.4.17 EAN/UPC**



	
Enable	Disable

**2.4.18 Code 39 Settings**

	
Code 39 on (default)	Code 39 Off
	
Enable Code 39 Check Character	Disable Code 39 Check Character (default)
	
Transmit Code 39 Check Character	Do not Transmit Code 39 Check Character (default)
	
Transmit Code 39 start and stop characters	Do not Transmit Code 39 start and stop characters (default)
	
Full ASCII On	Full ASCII Off (default)

### 2.4.19 Code 39 Length Setting

	<p><b>OPMERKING:</b> If the maximum length is less than the minimum length, only the barcode of these two lengths will be Scan. If the maximum length is equal to the minimum length, only this length is supported.</p>
---	--



	
Minimum length setting	Maximum length setting

**Example**


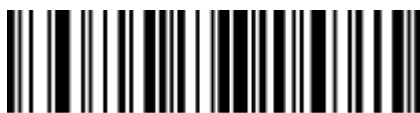
Set the scanner to Scan only barcodes with a minimum of 8 bytes and a maximum of 12 bytes.

1. Scan "Startup Settings"
2. Scan "Minimum length setting"
3. Scan Digital Code "8" (see Appendix 1 for data and edit barcode)
4. Scan "Save" (see Appendix 1 to save or cancel)
5. Scan "Maximum length setting"
6. Scan Digital Code "1" "2" (see Appendix 1)
7. Scan "Save" (see Appendix 1 to save or cancel)
8. Scan "Exit Settings"


### 2.4.20 Code 32 settings

	
Convert Code39 to Code32	Do not Convert Code39 to Code32 (default)

### 2.4.21 Code 128 settings

	
Code 128 on (default)	Code 128 Off

### 2.4.22 Code 128 length setting

**OPMERKING:**  
 If the maximum length is less than the minimum length, only the barcode of these two lengths will be Scan. If the maximum length is equal to the minimum length, only this length is supported.



	
Minimum length setting	Maximum length setting

**Example**


Set the scanner to Scan only barcodes with a minimum of 8 bytes and a maximum of 12 bytes.



1. Scan "Startup Settings"
2. Scan "Minimum length setting"
3. Scan Digital Code "8" (see Appendix 1 for data and edit barcode)
4. Scan "Save" (see Appendix 1 to save or cancel)
5. Scan "Maximum length setting"
6. Scan Digital Code "1" "2" (see Appendix 1)
7. Scan "Save" (see Appendix 1 to save or cancel)
8. Scan "Exit Settings"

### 2.4.23 Code 93 settings

	
Code 93 On (default)	Code 93 Off

### 2.4.24 Code 93 Length Setting

**OPMERKING:**  
 If the maximum length is less than the minimum length, only the barcode of these two lengths will be Scan. If the maximum length is equal to the minimum length, only this length is supported.







	
Minimum length setting	Maximum length setting

**Example**

Set the scanner to Scan only barcodes with a minimum of 8 bytes and a maximum of 12 bytes.


1. Scan "Startup Settings"
2. Scan "Minimum length setting"
3. Scan Digital Code "8" (see Appendix 1 for data and edit barcode)
4. Scan "Save" (see Appendix 1 to save or cancel)
5. Scan "Maximum length setting"
6. Scan Digital Code "1" "2" (see Appendix 1)
7. Scan "Save" (see Appendix 1 to save or cancel)
8. Scan "Exit Settings"


**2.4.25 Codabar Settings**

	
Codabar on (default)	Codabar Off
	
Transmit Codabar start and stop characters	Do not Transmit Codabar start and stop characters (default)
	
Not check	Enable check transmit check bit

### 2.4.26 Codabar Length Setting

**OPMERKING:**

 If the maximum length is less than the minimum length, only the barcode of these two lengths will be Scan. If the maximum length is equal to the minimum length, only this length is supported.



	
Minimum length setting	Maximum length setting

**Example**



Set the scanner to Scan only barcodes with a minimum of 8 bytes and a maximum of 12 bytes.

1. Scan "Startup Settings" barcode
2. Scan "Minimum length setting" barcode
3. Scan Digital Code "8" (see Appendix 1 for data and edit barcode)
4. Scan "Save" (see Appendix 1 to save or cancel)
5. Scan "Maximum length setting"
6. Scan Digital Code "1" "2" (see Appendix 1)
7. Scan "Save" (see Appendix 1 to save or cancel)
8. Scan "Exit Settings".



### 2.4.27 GS1 Databar Limited

	
Enable	Disable

### 2.4.28 GS1 Databar omnidirectional

	
Enable	Disable


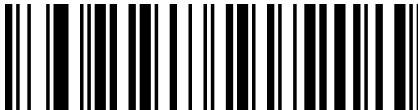
**2.4.29 GS1 Databar Expanded**

	
Enable	Disable

**2.4.30 Data matrix Code**




	
Enable	Disable
	
2 of 5 enable	2 of 5 disable

**2.4.31 MSI**



	
Enable	Disable




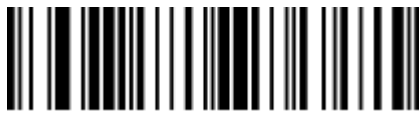
**2.4.32 QR**

	
Enable	Disable
	
Enable QR code URL link	Disable QR code URL link


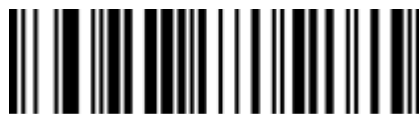
**2.4.33 Micro QR code**

	
Enable	Disable



**2.4.34 PDF417**

	
Enable	Disable



**2.4.35 Micro PDF417**

	
Enable	Disable

**2.4.36 RSS-Expanded**

	
Enable	Disable



**2.4.37 RSS-Limited**

	
Enable	Disable







**2.4.38 RSS-14**

	
Enable	Disable



**2.4.39 Straight 2 of 5 Industrial**

	
Enable	Disable

**2.4.40 Interleave 2 of 5 (ITF5) setting**


	
ITF5 on (default)	ITF5 off
	
Enable ITF25 check character (default)	Disable ITF25 Check Character
	
Transmit ITF25 Check Character	Do not Transmit ITF25 Check Charcter (default)



**2.4.41 Aztec code**

	
Enable	Disable

**2.4.42 ITF25 length setting**

**OPMERKING:**

 If the maximum length is less than the minimum length, only the barcode of these two lengths will be Scan. If the maximum length is equal to the minimum length, only this length is supported.

	
Minimum length setting	Maximum length setting

**Example**

Set the scanner to Scan only barcodes with a minimum of 8 bytes and a maximum of 12 bytes.

1. Scan "Startup Settings" barcode
2. Scan "Minimum length setting" barcode
3. Scan Digital Code "8" (see Appendix 1 for data and edit barcode)
4. Scan "Save" (see Appendix 1 to save or cancel)
5. Scan "Maximum length setting"
6. Scan Digital Code "1" "2" (see Appendix 1)
7. Scan "Save" (see Appendix 1 to save or cancel)
8. Scan "Exit Settings".

## 3. Appendix

### 3.1.1 Symbolgies ID Set

Symbologies	HEX	CODE ID(default)
All Symbologies	99	
Codabar	61	a
Code128	6A	j
Code32	3C	<
Code93	69	i
Code39	62	b
Code11	48	h
EAN-13	64	d
EAN-8	64	d
GS1 DataBar	52	R
GS1 DataBar Limited	52	R
GS1 DataBar Expanded	52	R
GS1-128 (EAN-128)	6A	j
2 of 5		
Interleaved 2 of 5	65	e
Matrix 2 of 5	76	V
Industry 2 of 5	44	D
UPC-A	63	c
UPC-E	63	c
ISBN	42	B
ISSN	6E	n
Aztec Code	7A	z
DataMatrix	75	u
PDF417	72	r
Micro PDF417	53	s

QR Code	51	Q
Micro QR Code	51	Q

### 3.1.2 ASCII Tabel

<i>Dec</i>	<i>Hex</i>	<i>Cha</i>	<i>Dec</i>	<i>Hex</i>	<i>Cha</i>	<i>Dec</i>	<i>Hex</i>	<i>Cha</i>
32	20	<SPACE>	64	40	@	96	60	`
33	21	!	65	41	A	97	61	a
34	22	"	66	42	B	98	62	b
35	23	#	67	43	C	99	63	c
36	24	\$	68	44	D	100	64	d
37	25	%	69	45	E	101	65	e
38	26	&	70	46	F	102	66	f
39	27	'	71	47	G	103	67	g
40	28	(	72	48	H	104	68	h
41	29	)	73	49	I	105	69	i
42	2A	*	74	4A	J	106	6A	j
43	2B	+	75	4B	K	107	6B	k
44	2C	,	76	4C	L	108	6C	l
45	2D	-	77	4D	M	109	6D	m
46	2E	.	78	4E	N	110	6E	n
47	2F	/	79	4F	O	111	6F	o
48	30	0	80	50	P	112	70	p
49	31	1	81	51	Q	113	71	q
50	32	2	82	52	R	114	72	r
51	33	3	83	53	S	115	73	s
52	34	4	84	54	T	116	74	s

53	35	5	85	55	U	117	75	u
54	36	6	86	56	V	118	76	v
55	37	7	87	57	W	119	77	w
56	38	8	88	58	X	120	78	x
57	39	9	89	59	Y	121	79	y
58	3A	:	90	5A	Z	122	7A	z
59	3B	;	91	5B	[	123	7B	{
60	3C	<	92	5C	\	124	7C	
61	3D	=	93	5D	]	125	7D	}
62	3E	>	94	5E	^	126	7E	~
63	3F	?	95	5F	_			

### 3.1.3 Function Key Mapping

<i>Dec</i>	<i>Hex</i>	<i>Key (When Disable Control Character )</i>	<i>Key (When Enable Control Character)</i>
0	00	Save	Ctrl+@
1	01	Insert	Ctrl+A
2	02	Home	Ctrl+B
3	03	End	Ctrl+C
4	04	Delete	Ctrl+D
5	05	PageUp	Ctrl+E
6	06	PageDown	Ctrl+F
7	07	ESC	Ctrl+G
8	08	Backspace	Backspace

9	09	Tab	Tab
10	0A	Enter	Ctrl+J
11	0B	Caps Lock	Ctrl+K
12	0C	Print Screen	Ctrl+L
13	0D	Enter	Enter
14	0E	Scroll Lock	Ctrl+N
15	0F	Pause/Break	Ctrl+O
16	10	F11	Ctrl+P
17	11	↑	Ctrl+Q
18	12	↓	Ctrl+R
19	13	←	Ctrl+S
20	14	→	Ctrl+T
21	15	F12	Ctrl+U
22	16	F1	Ctrl+V
23	17	F2	Ctrl+W
24	18	F3	Ctrl+X
25	19	F4	Ctrl+Y
26	1A	F5	Ctrl+Z
27	1B	F6	ESC
28	1C	F7	Ctrl+\
29	1D	F8	Ctrl+] ]



30	1E	F9	Ctrl+^
31	1F	F10	Ctrl+_

### 3.1.4 Control Character Set

Dec	Hex	Cha
0	00	NUL
1	01	SOH
2	02	STX
3	03	ETX
4	04	EOT
5	05	ENQ
6	06	ACK
7	07	BEL
8	08	BS
9	09	HT
10	0A	LF
11	0B	VT
12	0C	FF
13	0D	CR
14	0E	SO

15	0F	SI
16	10	DLE
17	11	DC1
18	12	DC2
19	13	DC3
20	14	DC4
21	15	NAK
22	16	SYN
23	17	ETB
24	18	CAN
25	19	EM
26	1A	SUB
27	1B	ESC
28	1C	FS
29	1D	GS
30	1E	RS
31	1F	US

### 3.1.5 Examples

The maximum length for every prefix or suffix is 10 digits, setting up by scanning parameter barcodes. (Please enable Custom prefix/Suffix by scanning parameter barcodes)

#### **Example 1.1: Set up Custom prefix"XYZ" for all symbologies**

According to the Barcode Type ID, "99" is the Hex value for all symbologies;

According to the Visible ASCII character, "58,58,5A" is the Hex value for XYZ;

Steps:

Scan Parameter Barcode Set Custom Prefix, Scanner will beep twice;

Scan parameter barcodes 9, 9, 5, 8, 5, 9, 5, A, Save by sequences in Appendix Data and Digital Barcodes

#### **Example 1.2 : Set up Custom Prefix" R" for QR code.**

According to the appendix Barcode Type ID Table, 51 is the Hex value for Qr code;

According to the appendix Visible ASCII Character Table, 52 is the Hex value for R;

Steps:

Scan Parameter Barcode Set Custom Prefix;

Scan parameter barcodes 5, 1, 5, 2, Save by sequences in appendix Data and Digital Barcodes

#### **Example 1.3: Restore custom prefix for QR code**

1. Scan parameter barcode "Set Custom Prefix"
2. Scan parameter barcode 5,1, Save in appendix Data and Digital Barcodes.

## Set Length Range for barcode

### Example 2.1 : Set Length Range for Code128 as 4 - 12 digits

1. Scan Parameter Barcode Set Minimum Length for Code 128,
2. Scan parameter barcode 4 in the appendix Data and Digital Barcodes,
3. Scan parameter barcode Save in the appendix Data and Digital Barcodes,
4. Scan parameter barcode Set Maximum Length for Code128,
5. Scan parameter barcode 1,2 in the appendix Data and Digital Barcodes,
6. Scan parameter barcode Save in the appendix Data and Digital Barcodes.

### Example 2.2 : Set Length Range for Interleaved 2 of 5 as 14 digits

Method 1 . Scan parameter barcode Set Length Range for ITF25 as 14 digits

Step:

Scan parameter barcode Set Minimum Length for Interleaved 2 of 5

Scan parameter barcode 1, 4, save in the appendix Data and digital Barcodes

Scan parameter barcode Set Maximum Length for Interleaved 2 of 5

Scan parameter barcode 1, 4, save by sequence in the appendix Data and digital Barcodes

### Example 2.3 : Enable Code39 with any digit length

1. Scan parameter barcode Set minimum Length for Code39
2. Scan parameter barcode o, Save in the appendix Data and Digital Barcodes
3. Scan parameter barcode Set Maximum Length for Code39
4. Scan parameter barcode o, Save in the appendix Data and Digital Barcodes

### 3.1.6 Data Digit code



1



2



3



4



5



6



7



8



9



A



B



C



D



E



F



Cancel All Digits



Cancel Current Configuration



Cancel Last Digit



Save