

# User Manual

## DT3402



### Barcodescanner – DT3402



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*Versie : 1.0*

## 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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	Website: <a href="http://www.dtronic.nl">www.dtronic.nl</a>	Webshop 24/7 geopend

### Kind regards, team Dtronic

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- Arjan	Operations manager
- Marjolein	Financial employee
- Jaxx	Administrative employee
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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

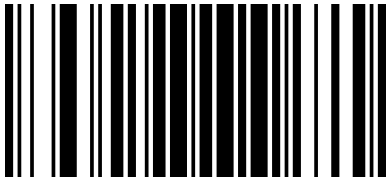
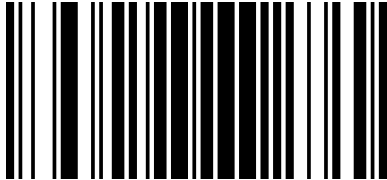
## 2. System Setup

### 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

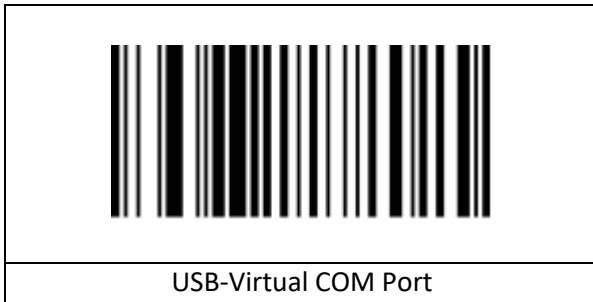
#### 2.1.2 Restore factory default settings


Restore factory settings

#### 2.1.3 Product User Settings

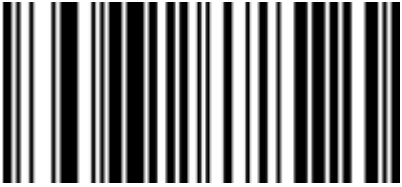
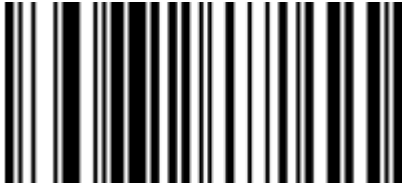
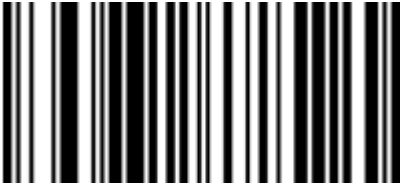
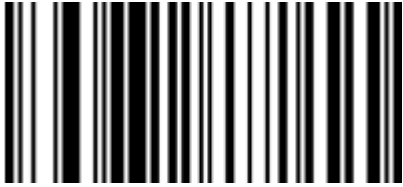
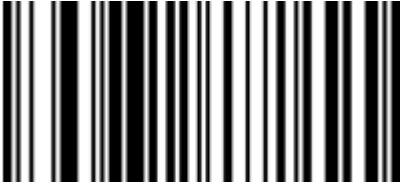
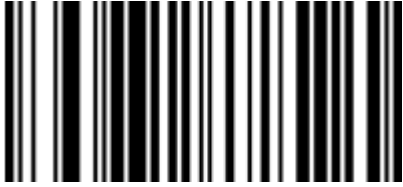


	
Save user default settings	Restore user default settings

## 2.2 Wireless




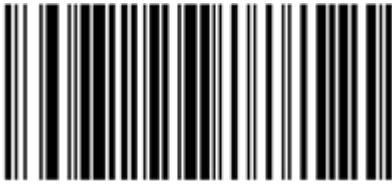
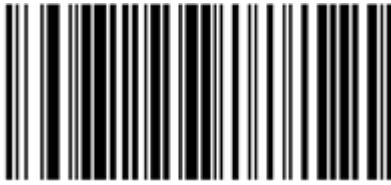


### 2.2.2 Led


	
Enable Aimer	Disable Aimer
	
Enable Illumination	Disable Illumination
	
Always off	Always on
	
Blink test mode	Disable blink test mode

### 2.2.3 Beeper Duration



	
Short	Normal

	
2.7Khz	Mute



### 2.2.4 Set the beep switch

	
Open (default)	Close

### 2.2.5 Power on beep switch

	
Open (default)	Close

### 2.2.6 Read success beep switch

	
Open (default)	Close

## 2.3 Reading mode settings

### 2.3.1 Level trigger mode

Enter the reading state when the trigger key pin is at low level. Press and hold the trigger key to start reading code. After reading the code successfully or releasing the trigger key, the code reading ends and the next decoding needs to re-enter the low level state.



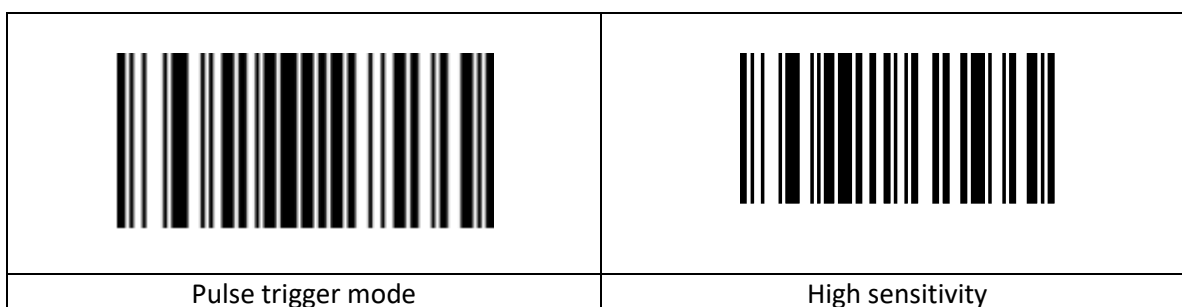
### 2.3.2 Continuous mode (default)


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.



### 2.3.3 Pulse trigger mode

When the reading setting code is switched to this mode, it enters the pulse-triggered reading state.

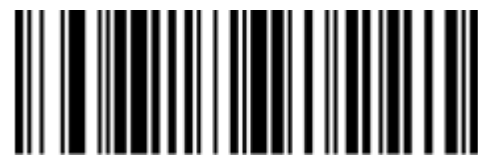


	
Low sensitivity	

**2.3.4 Auto Scan mode**

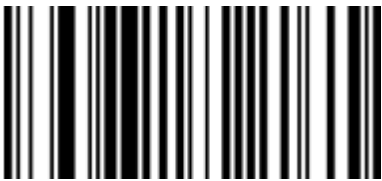


	
Auto scan	Delay 50ms
	
Delay 100ms	Delay 300ms

**2.3.5 Code reading timeout**

	
30sec	300sec
	
2400sec	

### 2.3.6 One read timeout

One time reading timeout time, the unit is 0.1 seconds. The default value is 30 (3 seconds), when set to 0, it means that the device is always in the reading state, and the time range can be set: 0~999.

	
Short time (3s)	In time (7s)
	
Long time (10s)	

Valid only in "Level Trigger Mode" and "Pulse Trigger Mode".

## 2.4 Communication settings

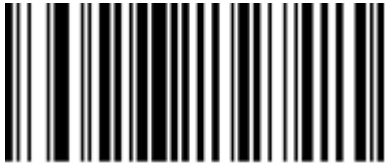
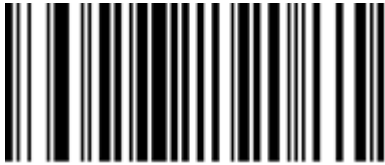
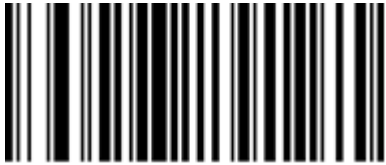
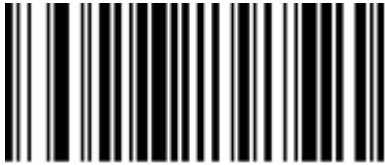
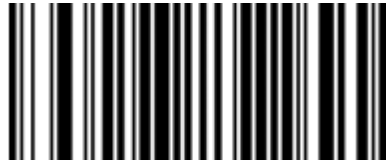



### 2.4.1 Communication settings

	
USB HID (default)	USB serial port
	
RS-232 serial port	USB CDC

### 2.4.2 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

### 2.4.3 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	

### 2.4.4 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"

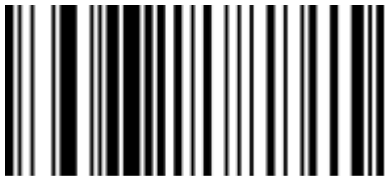
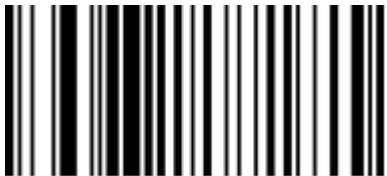
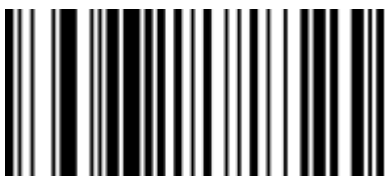
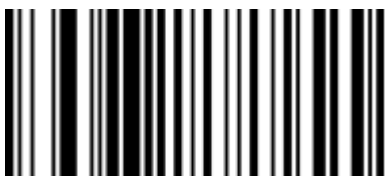


### 2.4.5 Serial communication settings

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



	
Check bit O	Check bit N
	
Check bit E	

### 2.4.6 Serial port baud rate setting

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

### 2.4.7 Serial port parity bit setting

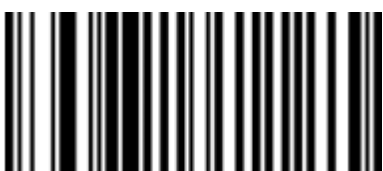
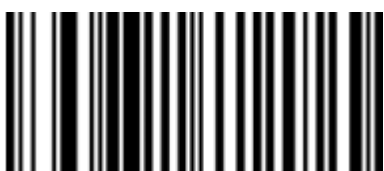
	
No checksum (default)	Odd calibration
	
Even Check	

## 2.5 Data format setting

Length of custom prefix and suffix: (0~10) characters, if set to "on", "Code ID prefix", "custom prefix", "end suffix", etc. will be added before and after the decoding information. "Custom suffix", "End suffix", etc.

The maximum number of data cache is 5, and the maximum length of individual data is 7900 characters; the data output is sequential output, and you need to wait for the first barcode output to finish before the second barcode output, and so on.

### 2.5.1 Hide 1 character

	
Hide 1 from start	Hide 1 from the end

### 2.5.2 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.



### 2.5.3 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"



### 2.5.4 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.

	
Clear all custom suffixes	Output all

### 2.5.5 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

### 2.5.6 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.

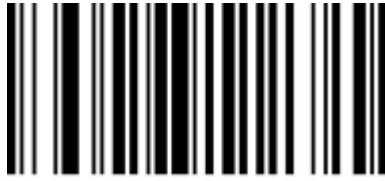
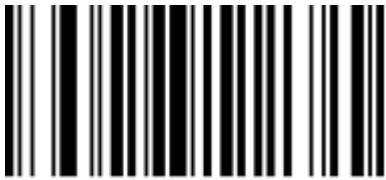

Close Code ID (default): Code ID is not spliced to the read string.

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.

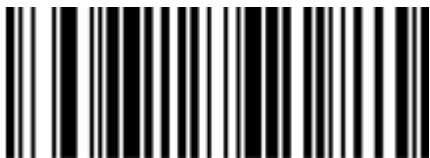
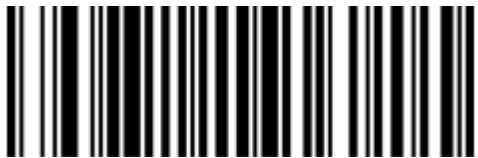
1. Read "Startup Settings"
2. Read "Clear all custom Code IDs".
3. Read "Exit Settings"

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

### 2.5.7 Terminator settings

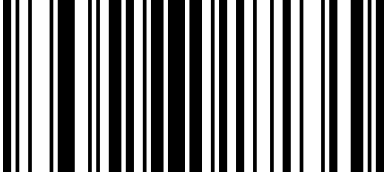
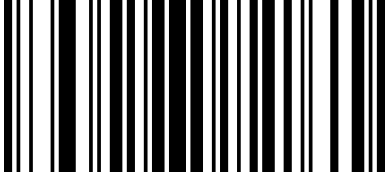
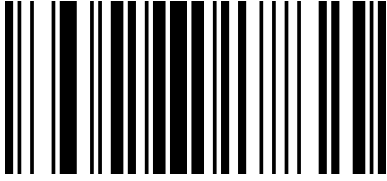
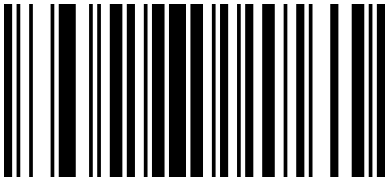
The terminator suffix is used to mark the end of a complete piece of data information. The terminator suffix stands alone and does not participate in any other form of data formatting. The terminator suffix must be the last piece of data sent, and no additional data will be added thereafter.

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.

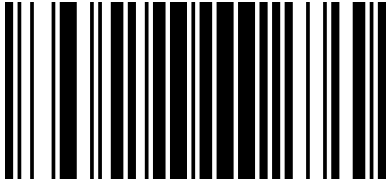
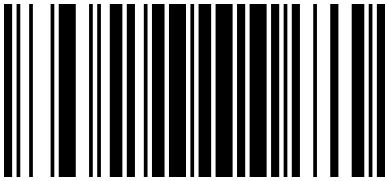
	
No terminator	Enter (default)
	
Line Feed (Down)	Carriage return + Line feed (Enter+Down)
	
Tab	ETX

### 2.5.8 Case output settings

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

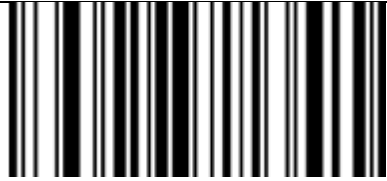
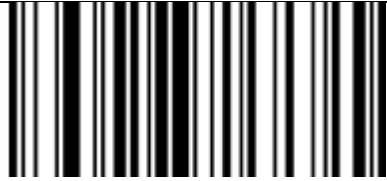

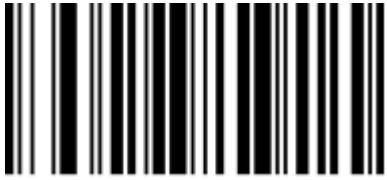
	
Normal output (default)	Convert Case
	
Convert all to Uppercase	Convert All to lowercase

### 2.5.9 All barcodes


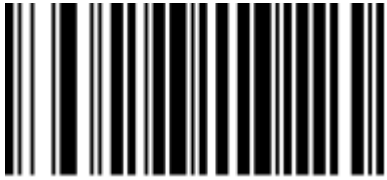



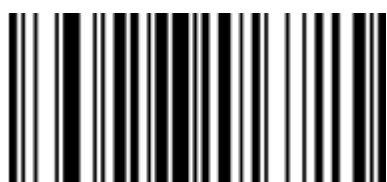
	
Close all barcodes	Turn on all barcodes

### 2.5.10 EAN8 Settings



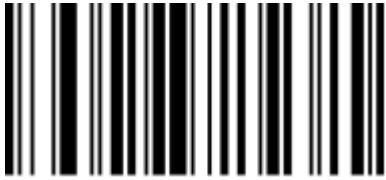
	
EAN8 on (default)	EAN8 off

	
Enable EAN8 transmission Check Character (default)	Disable EAN8 transmit Check Character
	
Convert EAN8 to EAN13	Do not Convert EAN8 to EAN13 (default)


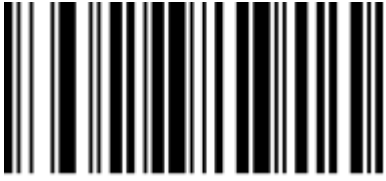

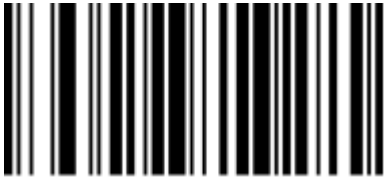

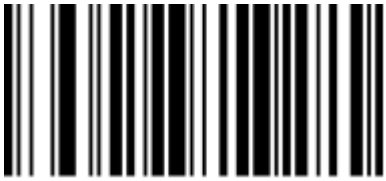
### 2.5.11 Code 11 Settings

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

**2.5.12 Add-on code setting**

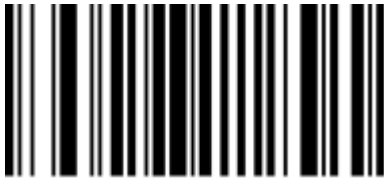
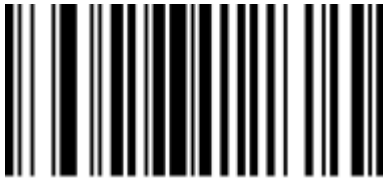
	
Adaptive UPC/EAN add-on codes	Only Decode UPC/EAN Add-on codes
	
Ignore UPC/EAN add-on codes (default)	

**2.5.13 EAN 13 settings**

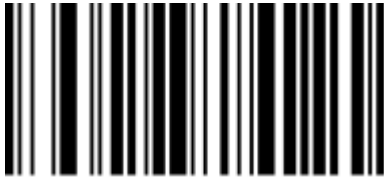
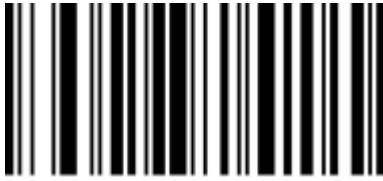

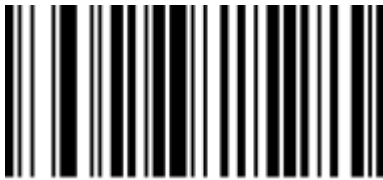
	
EAN13 on (default)	EAN13 off
	
Enable EAN13 transmission Check Character (default)	Disable EAN13 transmission checks
	
Transmit EAN13 System Character (default)	Do not Transmit EAN13 System Character



**2.5.14 ISSN Settings**



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

**2.5.15 ISBN setting**

	
Set the ISBN data bits to 13 bits	Set ISBN data bits to 10 bits (default)
	
Convert EAN13 to ISBN	Do not Convert EAN13 to ISBN (default)

**2.5.16 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



**2.5.17 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)
	
Extended to 12 bits	Disable to 12 bits



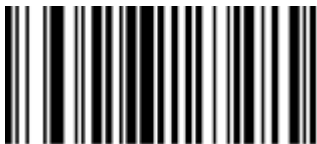
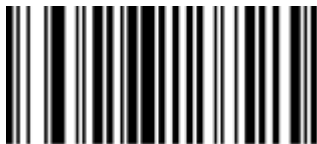


**2.5.18 UPCE**

	
Enable	Disable

**2.5.19 AN/UPC**

	
Enable	Disable


**2.5.20 Code 39 Settings**

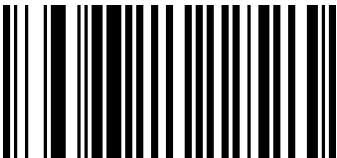
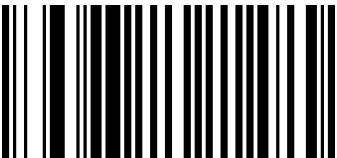
	
Code 39 on (default)	Code 39 Off
	
Enable Code 39 Check Character	Disable Code 39 Check Character (default)
	
Transmit Code 39 Check Character	Do not Transmit Code 39 Check Character (default)

	
Transmit Code 39 start and stop characters	Do not Transmit Code 39 start and stop characters (default)
	
Full ASCII On	Full ASCII Off (default)

## 2.5.21 Code 39 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

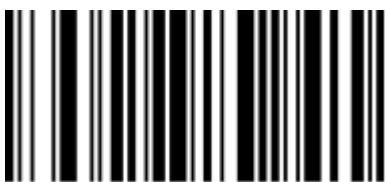
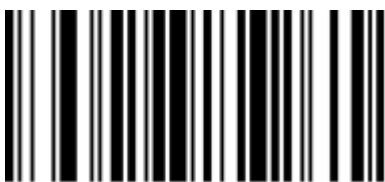
Set the scanner to Scan only barcodes with a minimum of 8 bytes and a maximum of 12 bytes.

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"

### 2.5.22 Code 32 settings

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

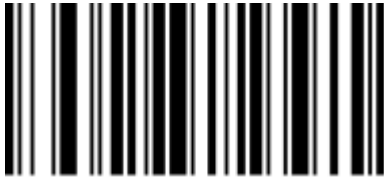
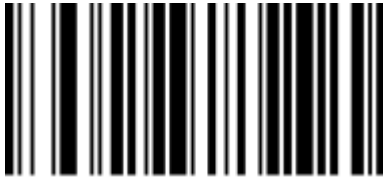
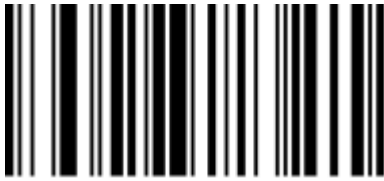
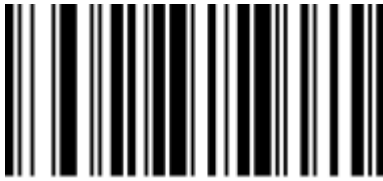
### 2.5.23 Code 128 settings

	
Code 128 on (default)	Code 128 Off

### 2.5.24 Code 93 settings


	
Code 93 On (default)	Code 93 Off
	
Enable Code 93 Check Character (default)	Disable Code 93 Check Character
	
Transmit Code 93 check digit	Do not Transmit Code 93 Check Digit (default)

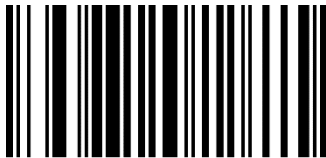
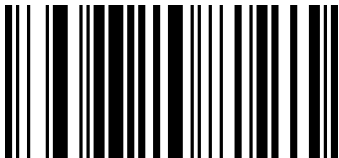
### 2.5.25 Codabar Settings

	
Codabar on (default)	Codabar Off
	
Transmit Codabar start and stop characters	Do not Transmit Codabar start and stop characters (default)

### 2.5.26 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.


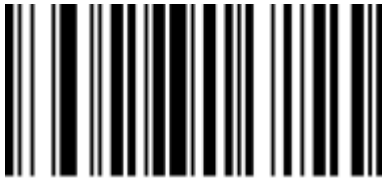
	
Minimum length setting	Maximum length setting

**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".

**2.5.27 GS1 Databar Limited**

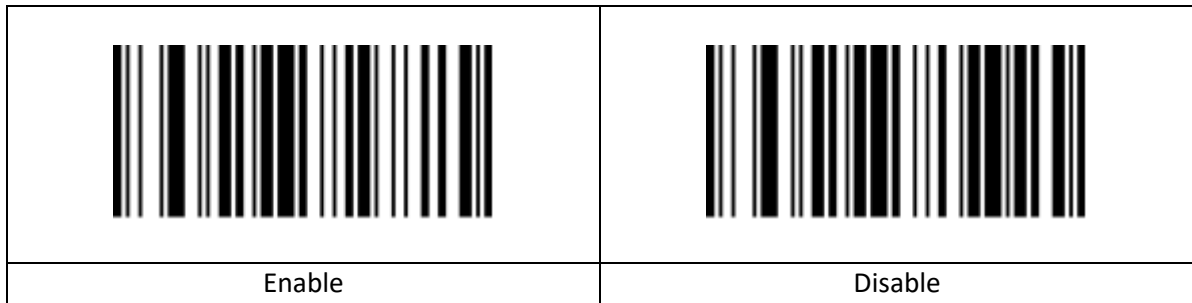
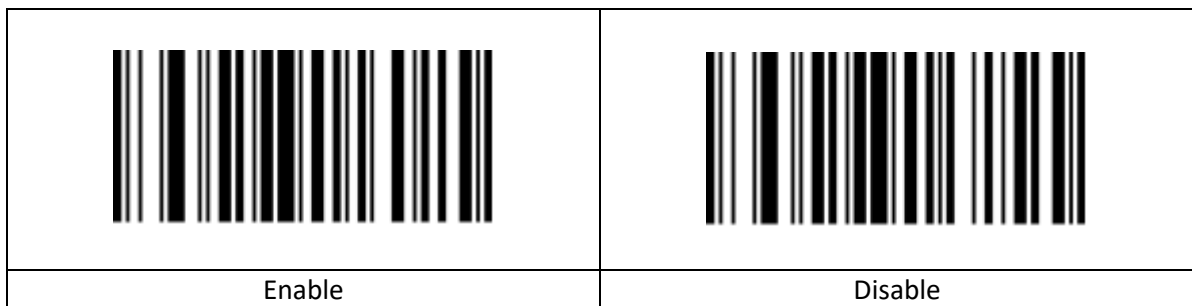
	
Enable	Disable

**2.5.28 GS1 Databar omnidirectional**

	
Enable	Disable

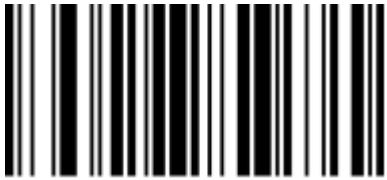
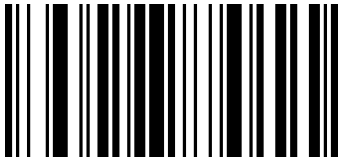
**2.5.29 Data matrix Code**

	
Enable	Disable
	
2 of 5 enable	2 of 5 disable

**2.5.30 MSI****2.5.31 RSS-Limited****2.5.32 RSS-14****2.5.33 Straight 2 of 5 Industrial**



### 2.5.34 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 Character (default)

### 2.5.35 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

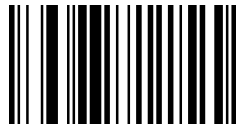
**Example**

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".

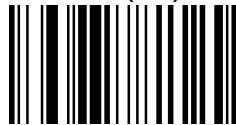
## 3. Appendix

### 3.1.1 Character Table



1001

SOH (01)



1004

EOT (04)



1007

BEL (07)



1010

LF (0A)



1013

CR (0D)



1016

DEL (10)



1019

DC3 (13)



1002

STX (02)



1005

ENQ (05)



1008

Backspace (08)



1011

VT (0B)



1014

SO (0E)



1017

DC1 (11)



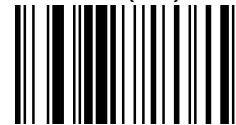
1020

DC4 (14)



1003

ETX (03)



1006

ACK (06)



1009

HT (09)



1012

FF (0C)



1015

SI (0F)



1018

DC2 (12)

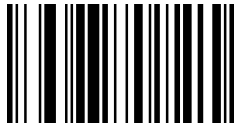


1021

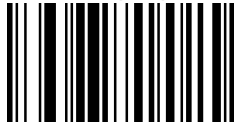
NAK (15)



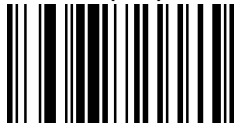
1022  
SYN (16)



1025  
EM (19)



1028  
FS (1C)



1031  
US (1F)



1034  
" (22)



1037  
% (25)



1040  
( (28)

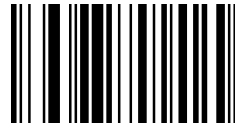


1043  
+ (2B)



1046

1023  
ETB (17)



1026  
SUB (1A)



1029  
GS (1D)



1032  
Space (20)



1035  
# (23)



1038  
& (26)



1041  
) (29)

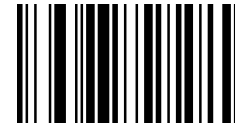


1044  
, (2C)



1047

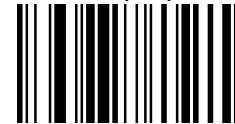
1024  
CAN (18)



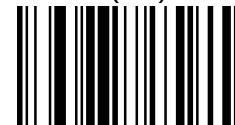
1027  
ESC (1B)



1030  
RS (1E)



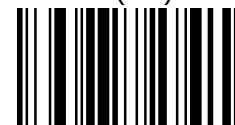
1033  
! (21)



1036  
\$ (24)



1039  
' (27)



1042  
\* (2A)



1045  
- (2D)

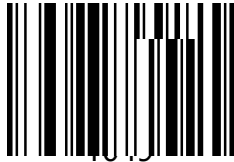


1048

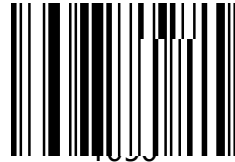
. (2E)

/ (2F)

0 (30)



1 (1073)



2 (1074)



3 (1075)



4 (1076)



5 (1077)



6 (1078)



7 (1079)



8 (1080)



9 (1081)



: (1082)



; (1083)



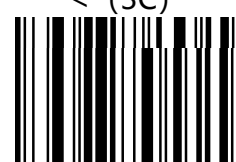
&lt; (1084)



= (1085)



&gt; (1086)



? (1087)



@ (1088)



A (1089)



B (1090)



C (1091)



D (1092)



E (1093)



F (1094)



G (1095)

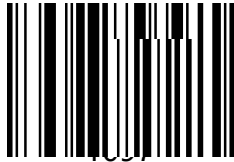


H (1096)

^ (5E)

\_ (5F)

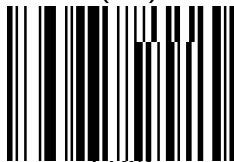
` (60)



a 1(621)



d 1(624)



g 1(627)



j 1(630)



m 1(633)



p 1(636)



s 1(639)



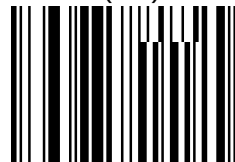
v 1(642)



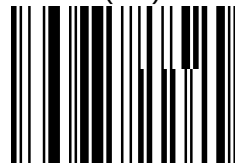
b 1(622)



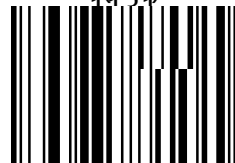
e 1(625)



h 1(628)



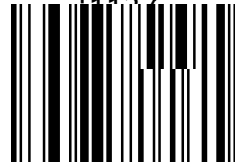
k 1(631)



n 1(634)



q 1(637)



t 1(640)



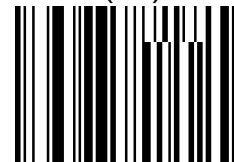
w 1(643)



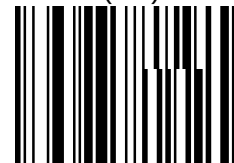
c 1(623)



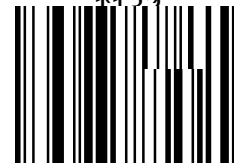
f 1(626)



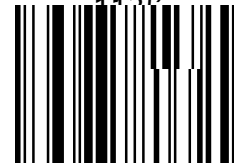
i 1(629)



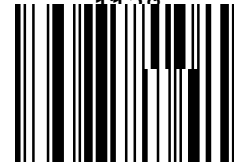
l 1(632)



o 1(635)



r 1(638)



u 1(641)



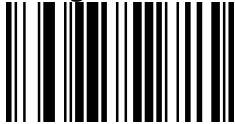
x 1(644)

1142  
Page up



1145

Page arrow



1148

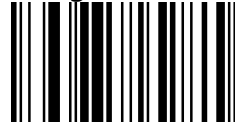
Down arrow

1143  
Delete



1146

Right arrow



1149

Up arrow

1144  
END



1147

Left arrow

### 3.1.2 ASCII Code table

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



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

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

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

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<b>7A</b>	122	z
<b>7B</b>	123	{ (Left/ Opening Brace)
<b>7C</b>	124	(Vertical Bar)
<b>7D</b>	125	} (Right/Closing Brace)
<b>7E</b>	126	~ (Tilde)
<b>7F</b>	127	DEL (Delete)